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# EXTERIOR INTERIOR TRIM

# General Description

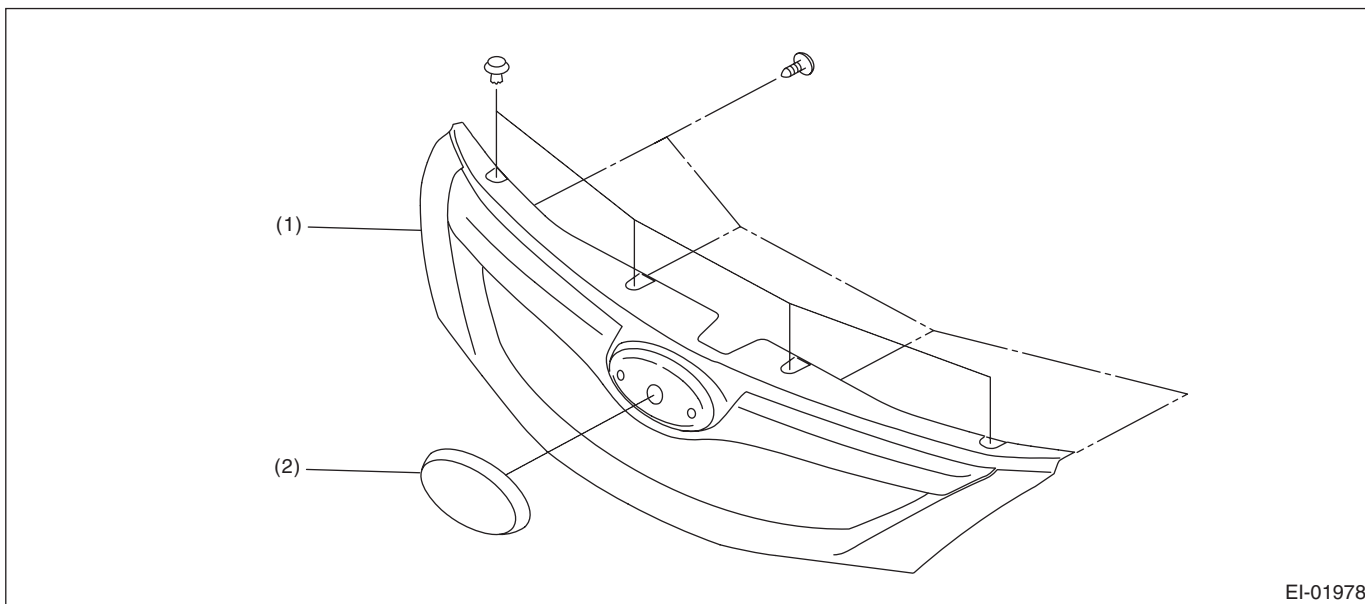
EXTERIOR/INTERIOR TRIM

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## 1. General Description

### A: COMPONENT

#### 1. FRONT GRILLE

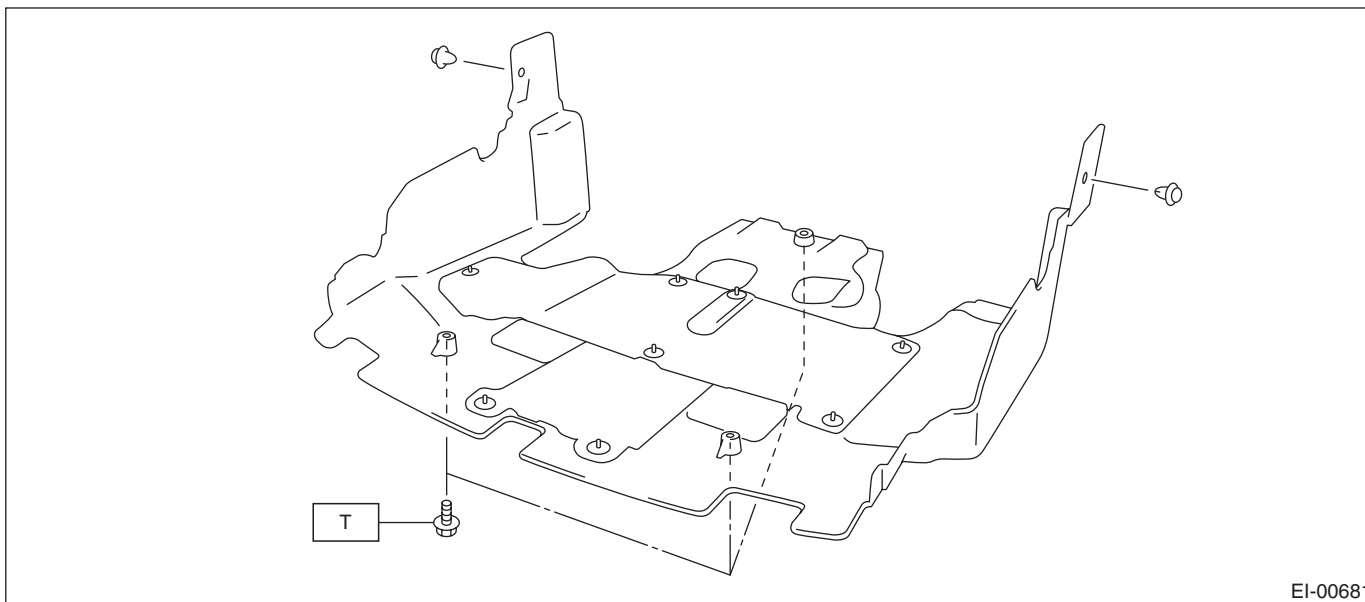


EI-01978

(1) Front grille ASSY

(2) Front grille emblem

#### 2. UNDER COVER

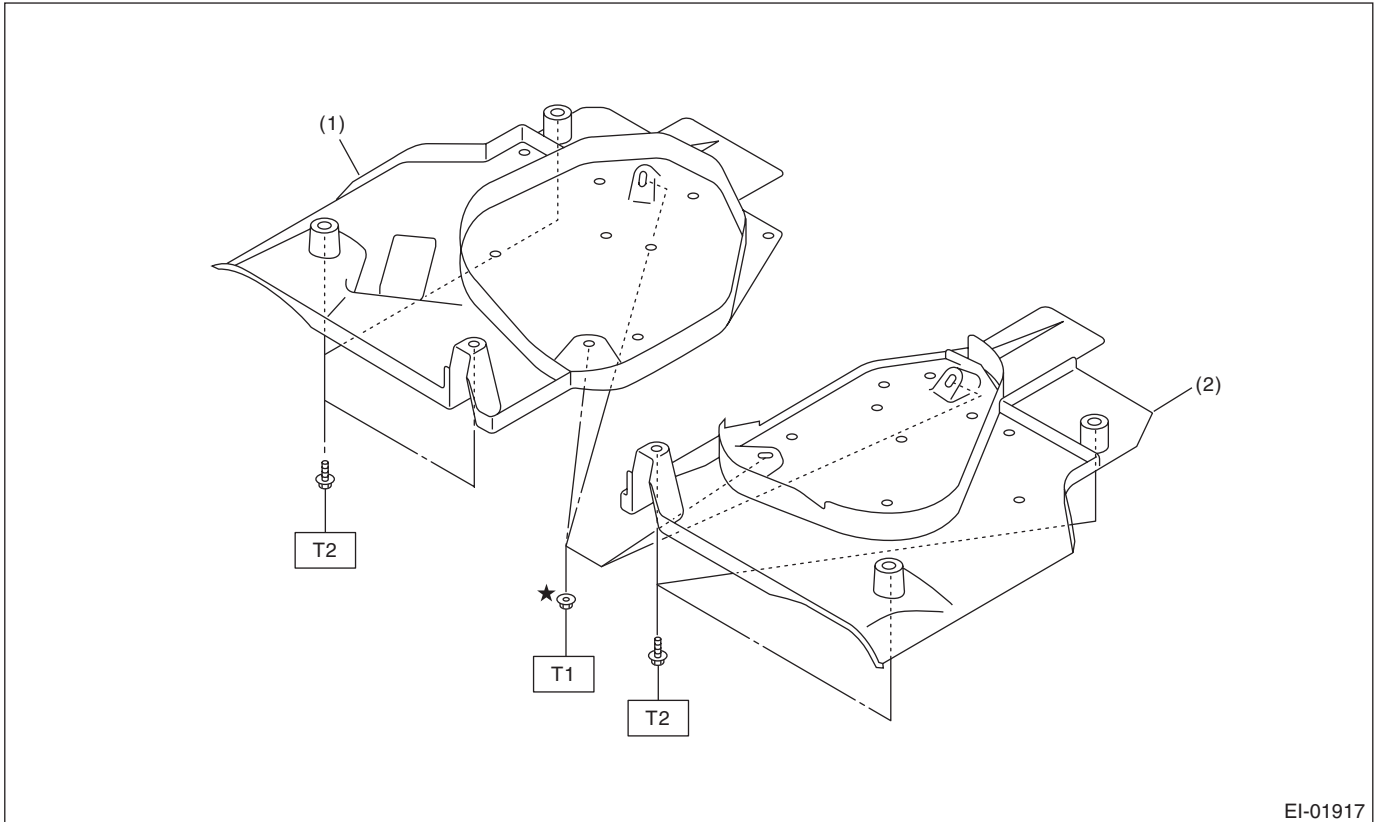


EI-00681

**Tightening torque:N-m (kgf-m, ft-lb)**

**T: 14 (1.42, 10.3)**

## 3. UNDER PROTECTOR



EI-01917

(1) Fuel tank protector RH

(2) Fuel tank protector LH

**Tightening torque: N-m (kgf-m, ft-lb)**

**T1: 9 (0.92, 6.5)**

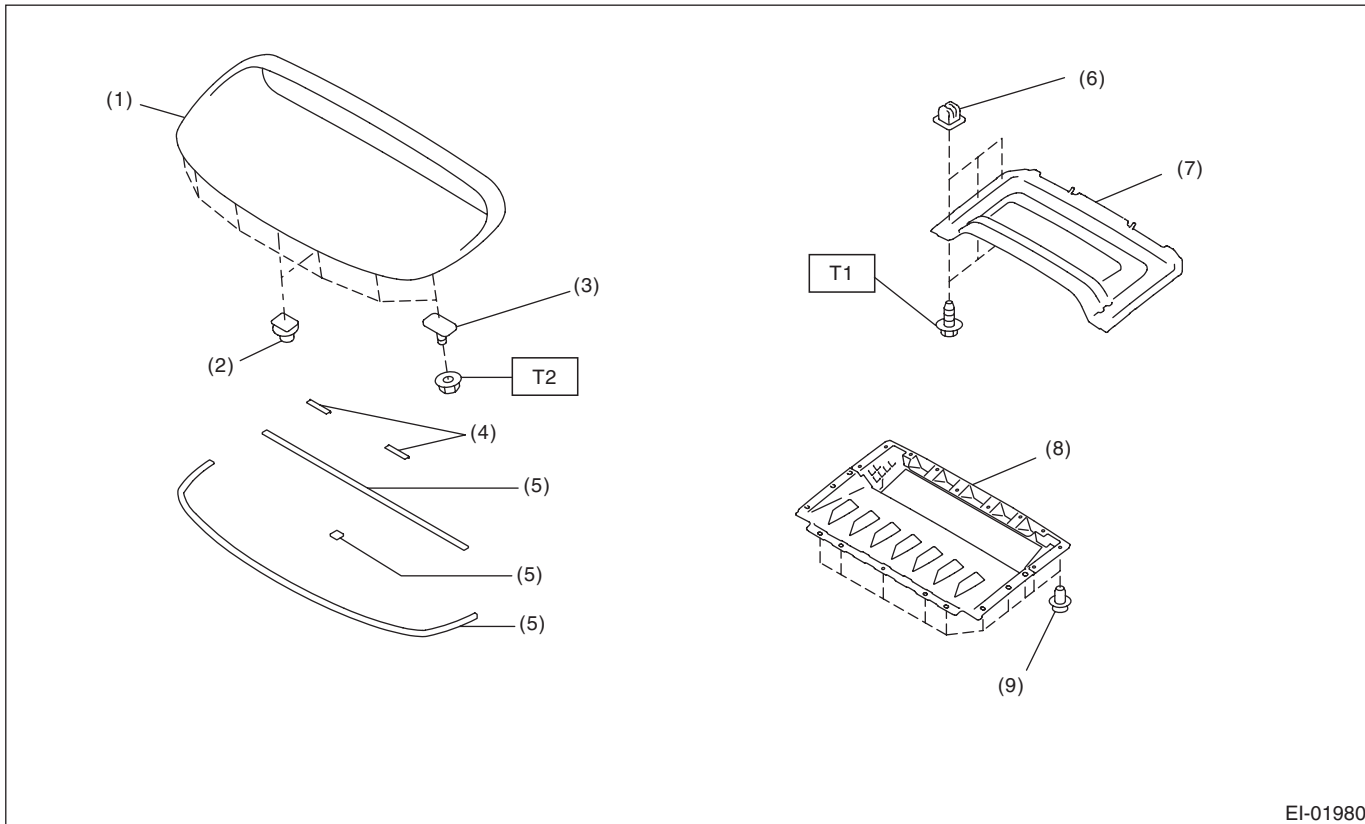
**T2: 18 (1.84, 13.3)**

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## EXTERIOR/INTERIOR TRIM

### 4. FRONT HOOD GRILLE



EI-01980

- |                       |                     |
|-----------------------|---------------------|
| (1) Front hood grille | (6) Grommet         |
| (2) Clip anchor       | (7) Hood duct       |
| (3) Bolt              | (8) Hood duct inner |
| (4) Protector         | (9) Clip            |
| (5) Gasket            |                     |

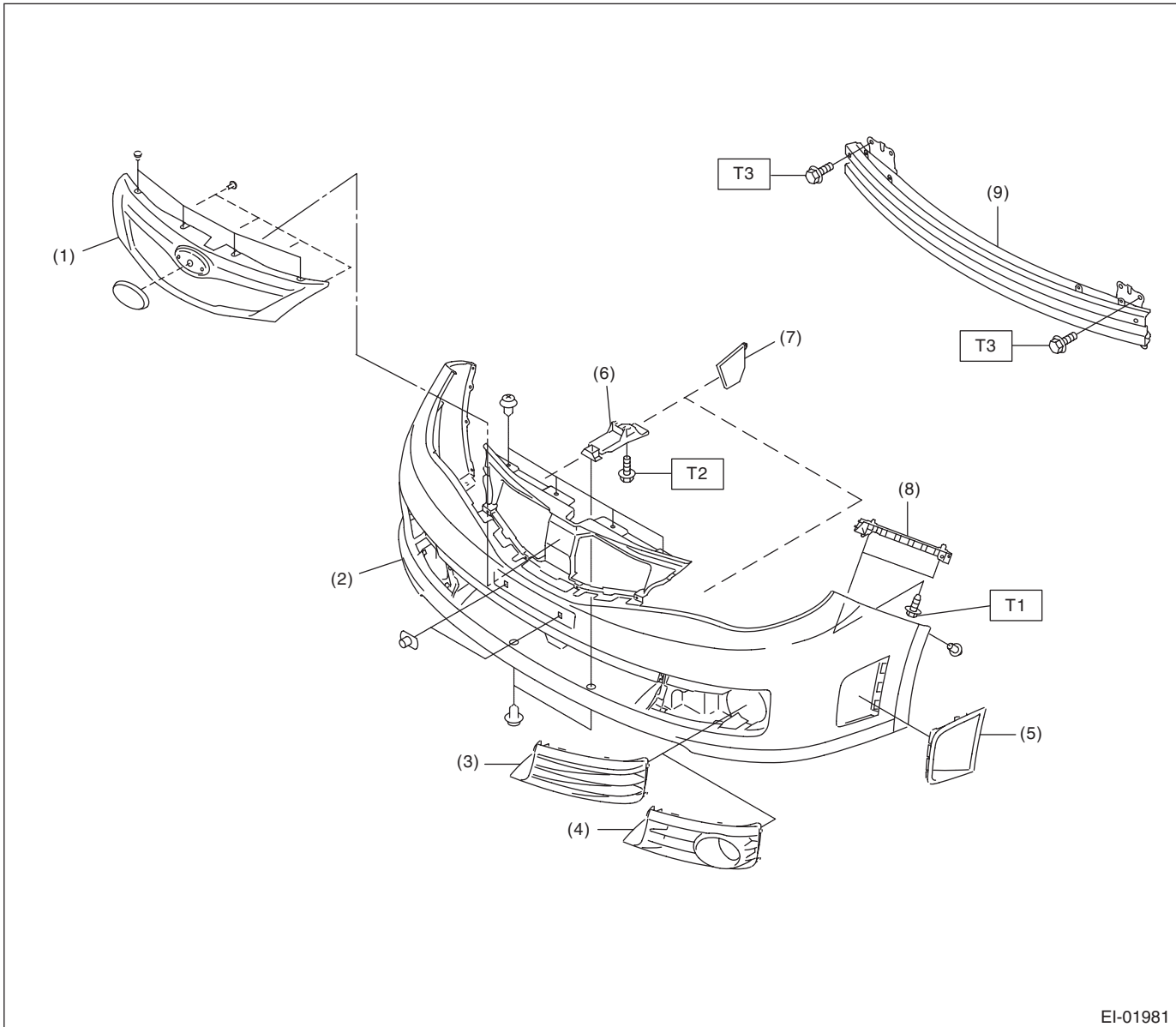
**Tightening torque: N·m (kgf·m, ft·lb)**

**T1: 1.0 (0.1, 0.74)**

**T2: 4.5 (0.46, 3.3)**

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## 5. FRONT BUMPER



EI-01981

- |                       |                                |
|-----------------------|--------------------------------|
| (1) Front grille ASSY | (6) Front bracket center lower |
| (2) Bumper face       | (7) Radiator gasket            |
| (3) Front cover       | (8) Front side bracket         |
| (4) Fog light cover   | (9) Bumper beam reinforcement  |
| (5) Side cover        |                                |

---

**Tightening torque: N·m (kgf·m, ft·lb)**

<b>T1:</b>	<b>7.5 (0.76, 5.5)</b>
<b>T2:</b>	<b>14 (1.42, 10.3)</b>
<b>T3:</b>	<b>33 (3.4, 24)</b>

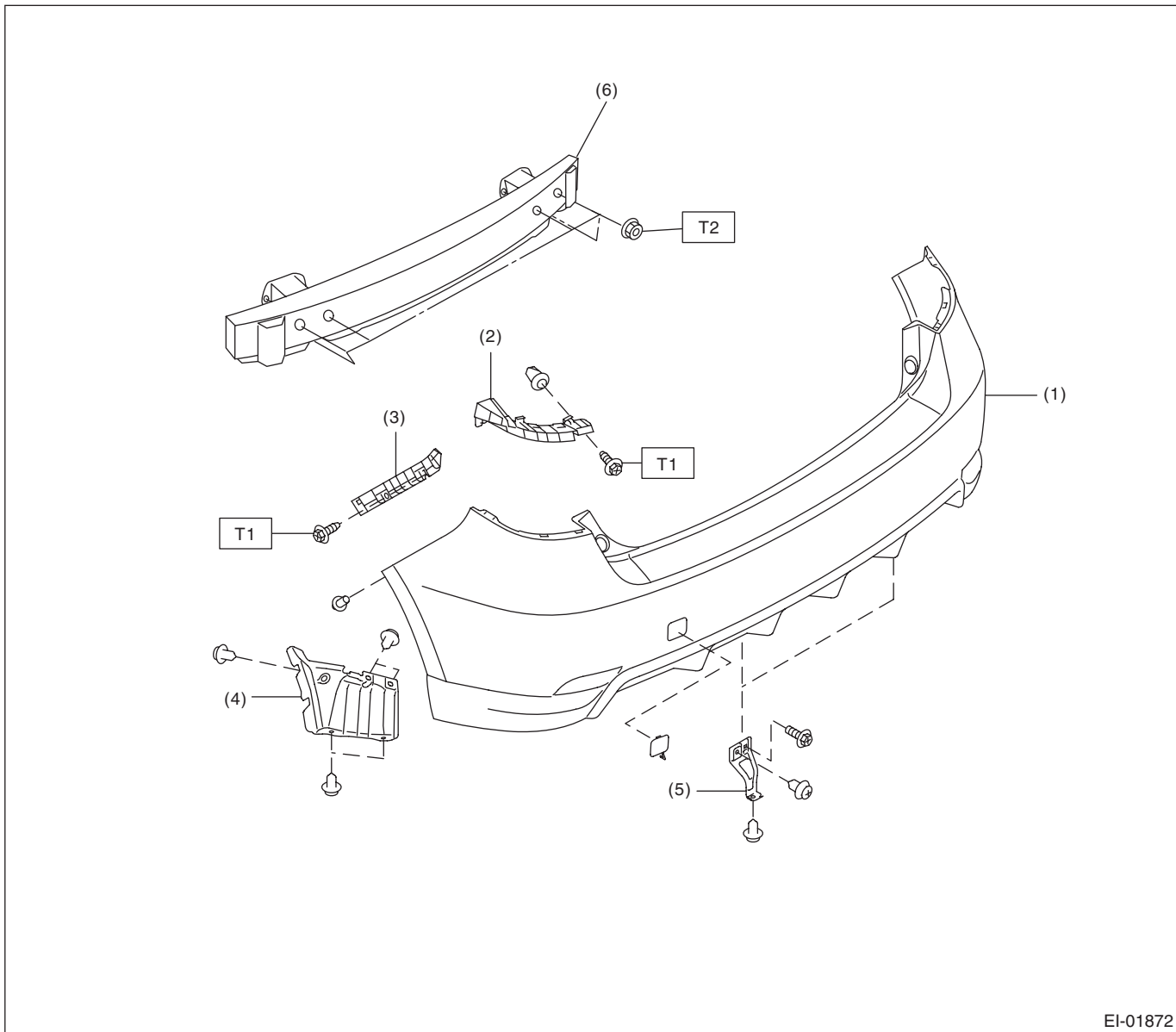
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# General Description

EXTERIOR/INTERIOR TRIM

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## 6. REAR BUMPER



EI-01872

- |                         |                               |
|-------------------------|-------------------------------|
| (1) Bumper face         | (4) Rear side cover lower     |
| (2) Rear bracket corner | (5) Lower bracket             |
| (3) Rear side bracket   | (6) Bumper beam reinforcement |

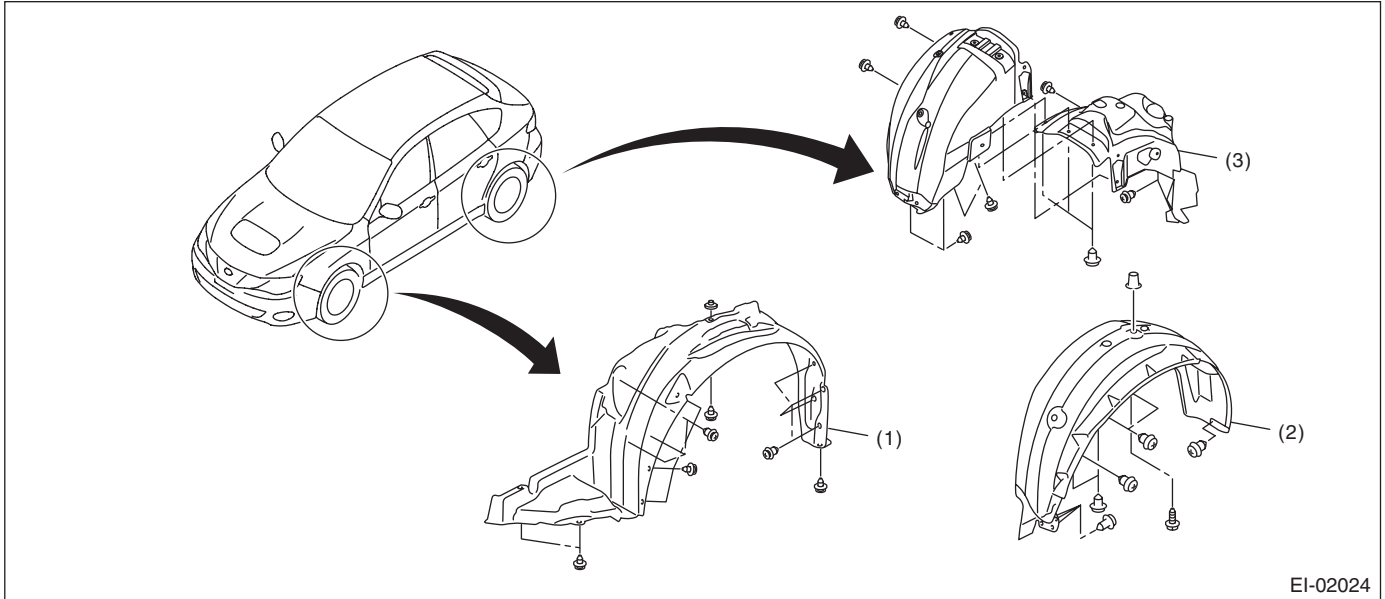
**Tightening torque: N·m (kgf·m, ft·lb)**

**T1: 7.5 (0.76, 5.5)**

**T2: 33 (3.4, 24)**

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### 7. MUD GUARD



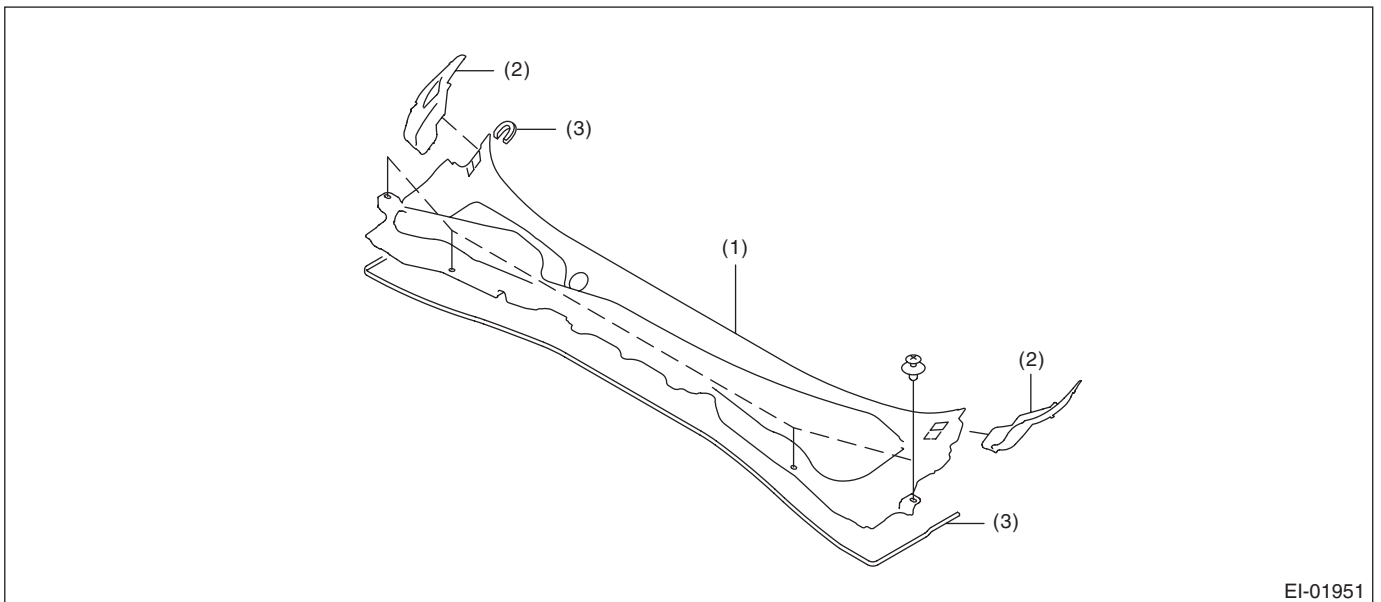
EI-02024

(1) Front mud guard

(2) Rear mud guard LH

(3) Rear mud guard RH

### 8. COWL PANEL



EI-01951

(1) Cowl panel

(2) Cowl panel side

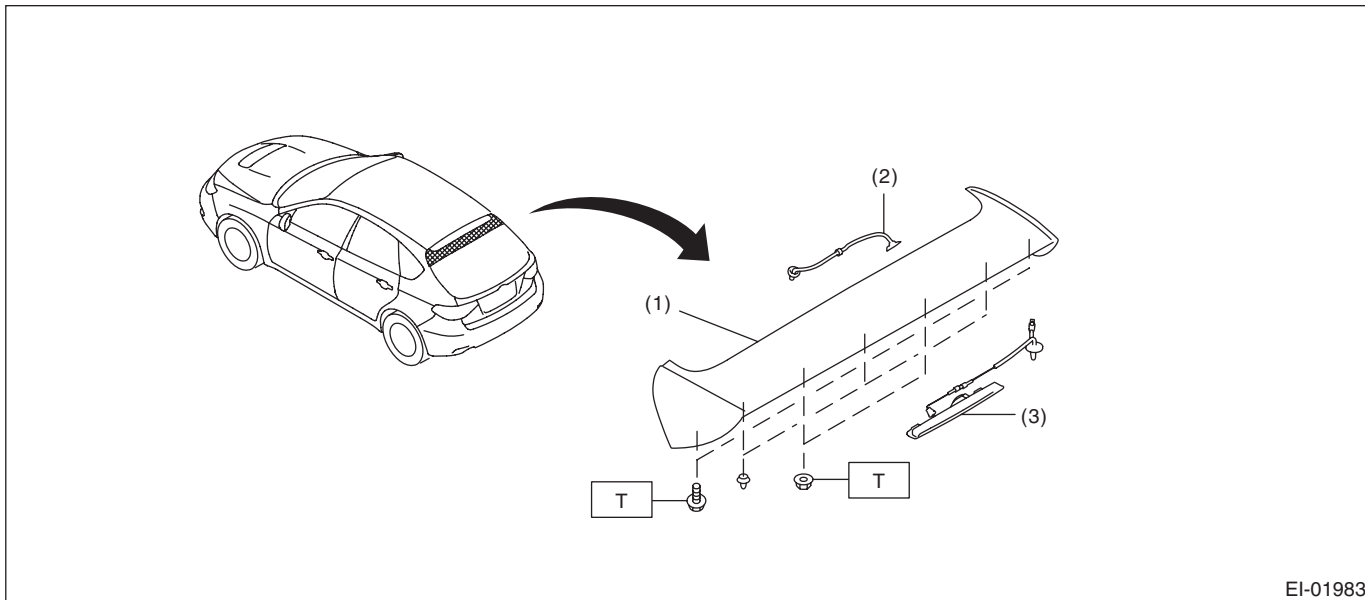
(3) Gasket

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## 9. ROOF SPOILER



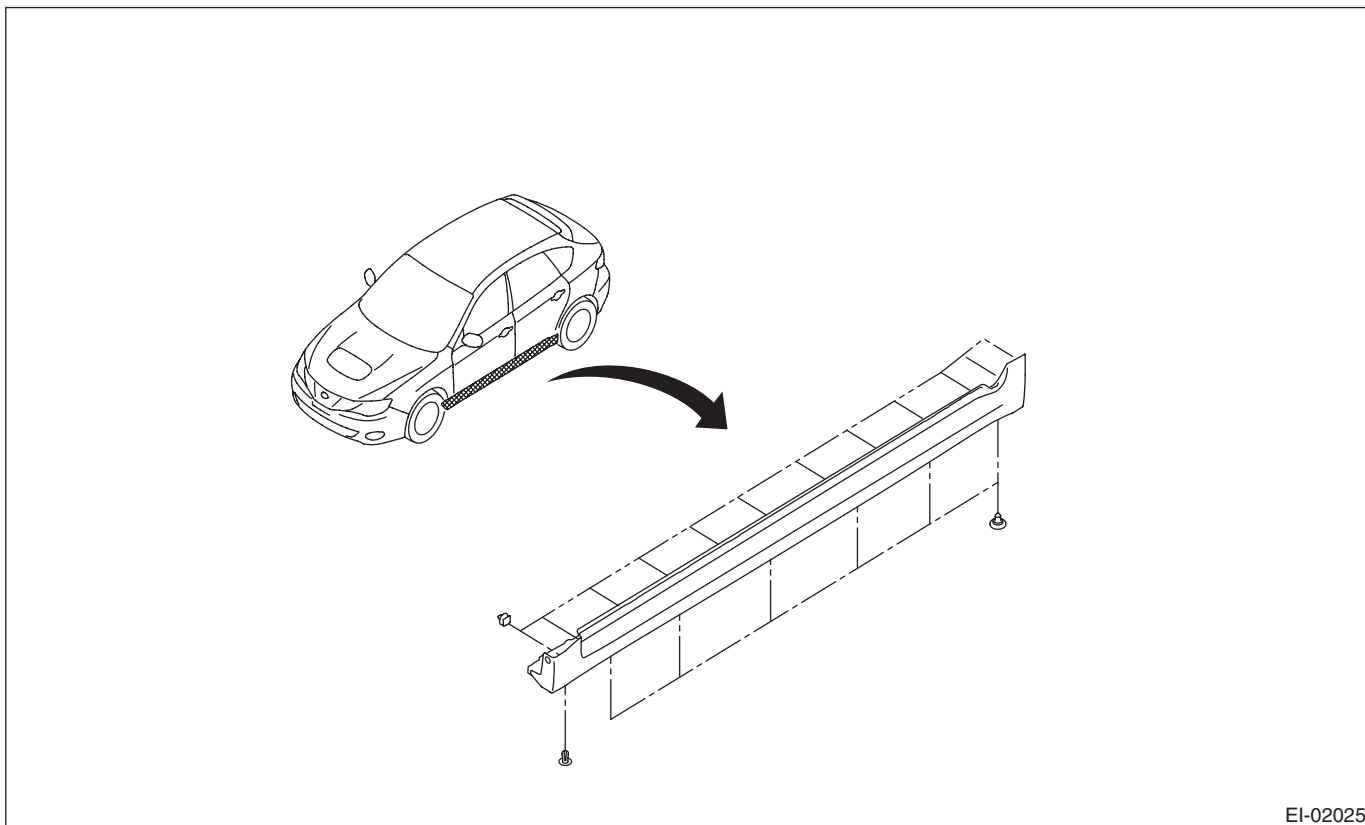
- (1) Roof spoiler
- (2) Washer nozzle

- (3) High-mounted stop light

**Tightening torque: N-m (kgf-m, ft-lb)**

**T: 7.5 (0.76, 5.5)**

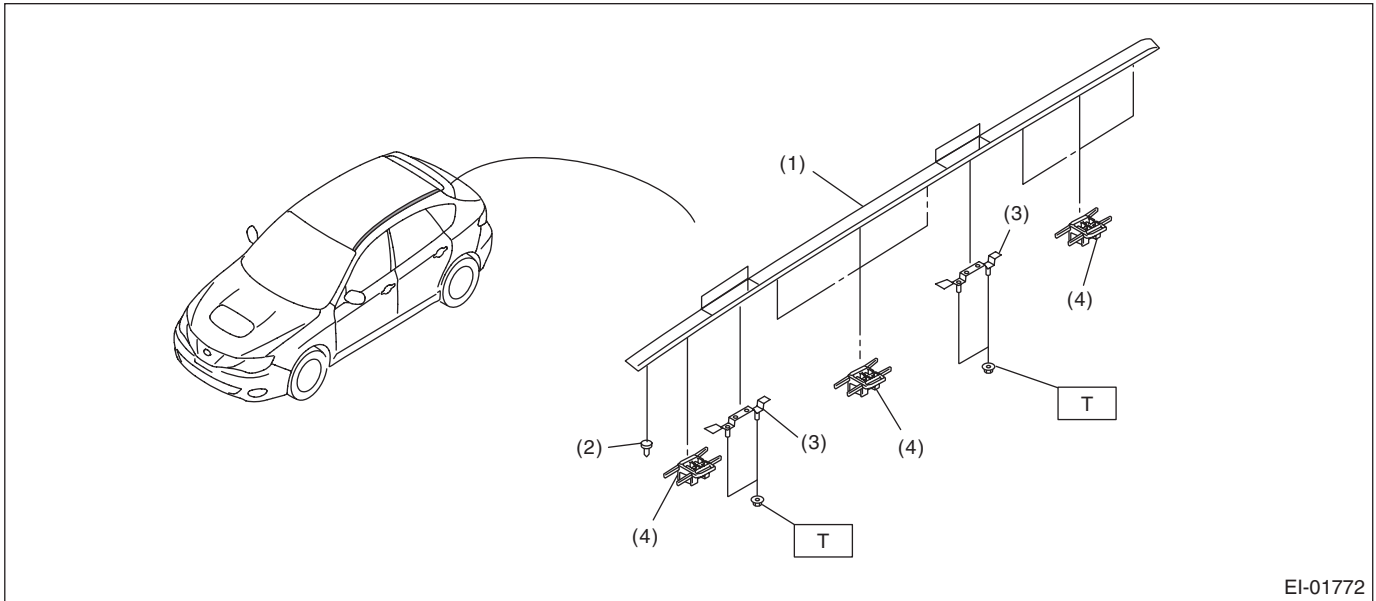
## 10. SIDE SILL SPOILER





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## 11. ROOF MOLDING



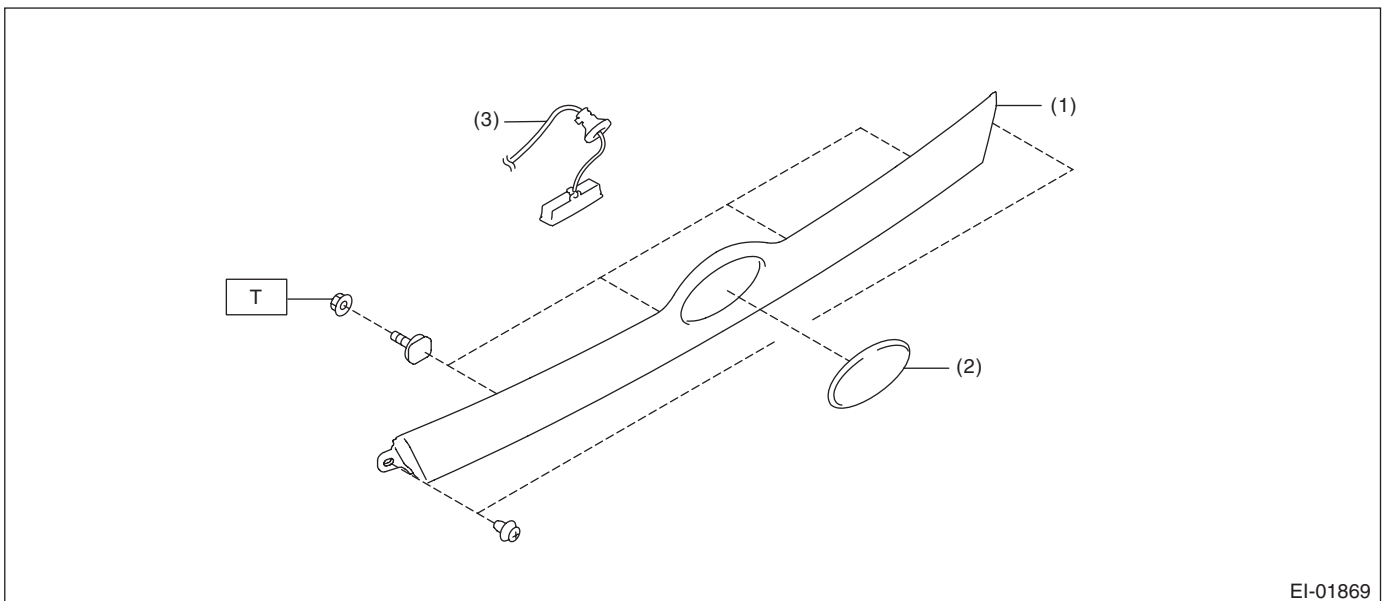
EI-01772

- (1) Roof molding
- (2) Rivet

- (3) Roof carrier attachment bracket
- (4) Clip

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

## 12. REAR GATE GARNISH



EI-01869

- (1) Rear gate garnish
- (2) Ornament

- (3) Rear gate opener switch harness

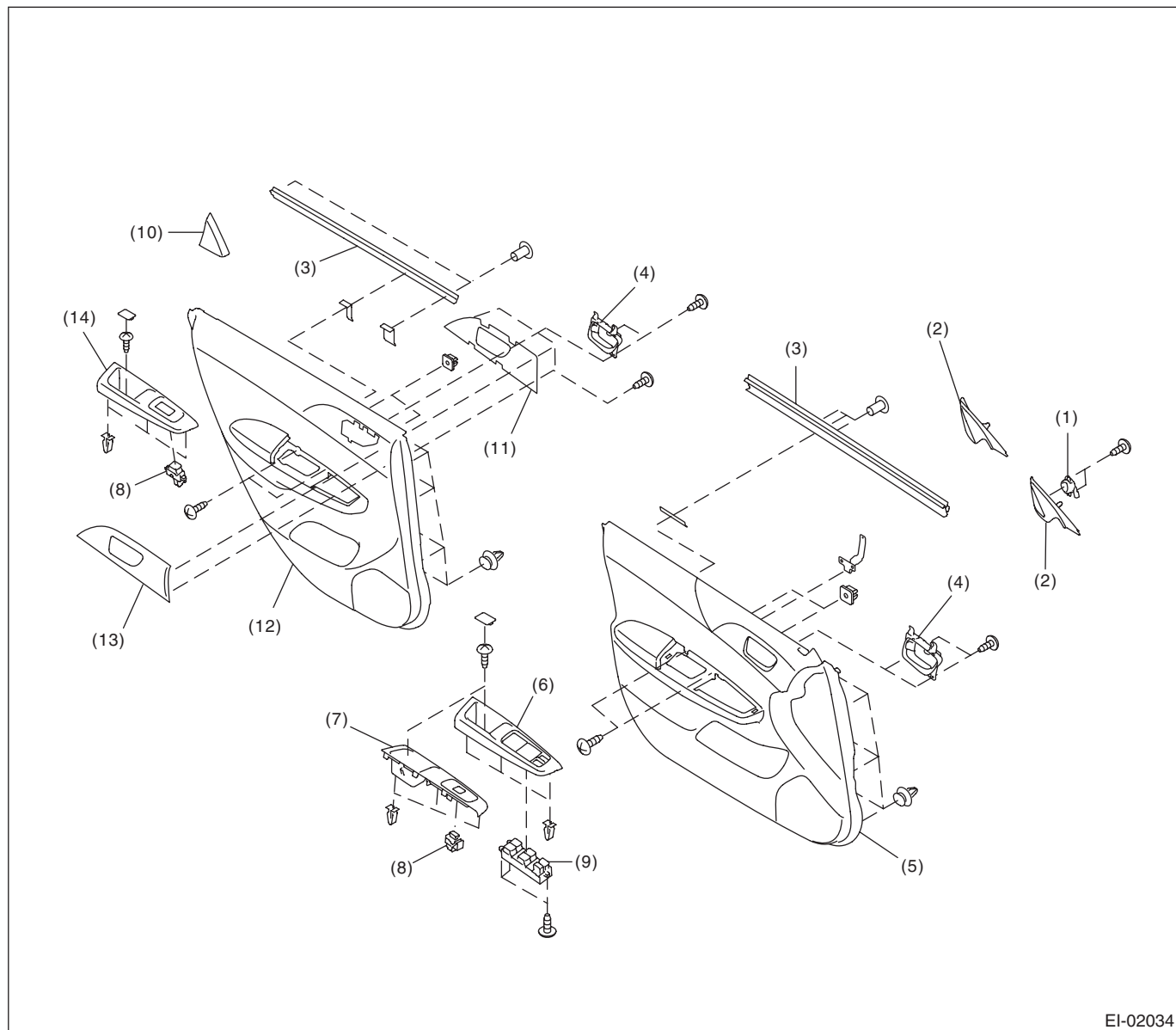
**Tightening torque: N-m (kgf-m, ft-lb)**  
**T: 4.5 (0.46, 3.32)**

# General Description

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## 13.DOOR TRIM

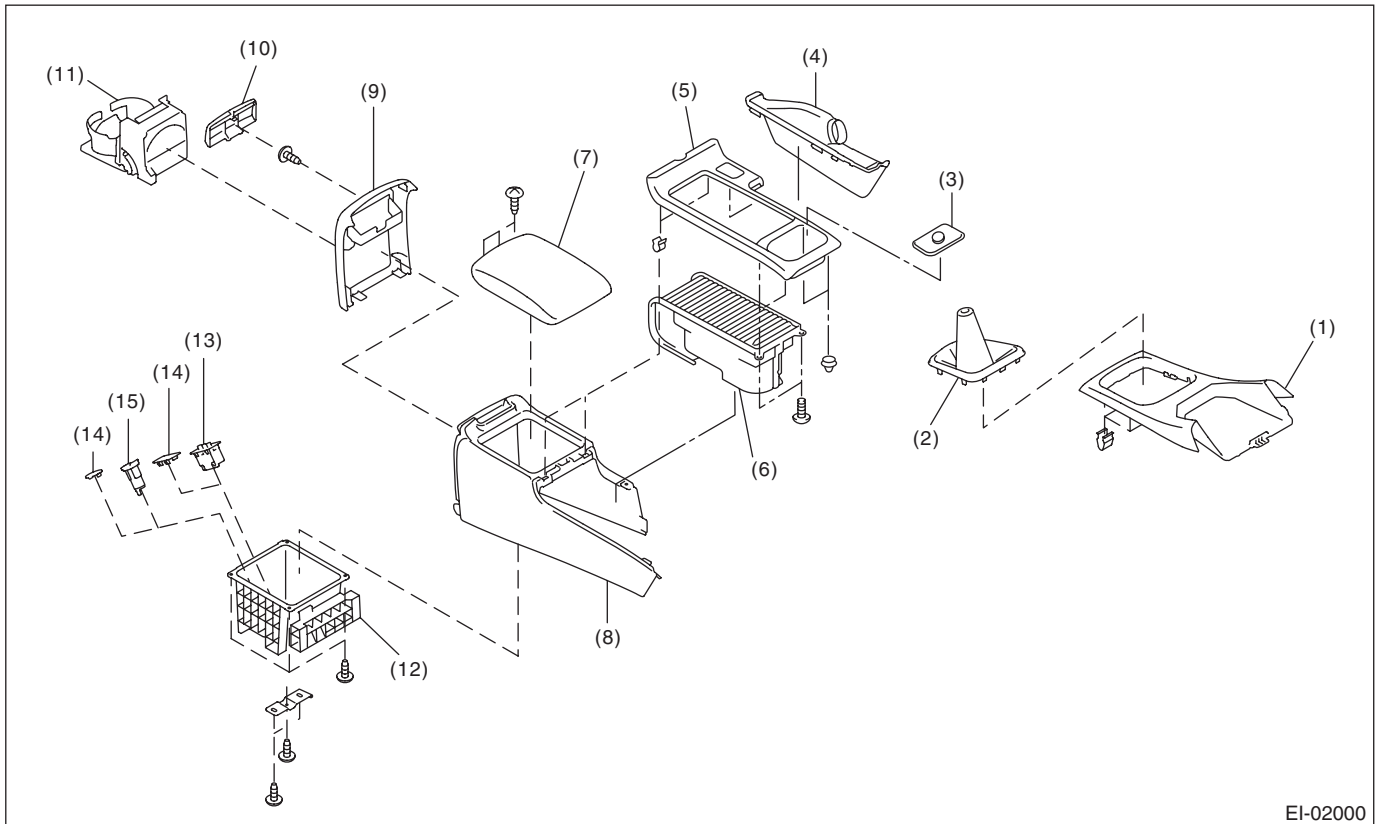


EI-02034

- |                         |                                   |                                     |
|-------------------------|-----------------------------------|-------------------------------------|
| (1) Tweeter             | (6) Power window switch cover LH  | (11) Rear door ornament board       |
| (2) Gusset cover front  | (7) Power window switch cover RH  | (12) Rear door trim                 |
| (3) Upper weather strip | (8) Power window sub-switch       | (13) Rear door ornament panel       |
| (4) Inner remote        | (9) Power window main switch ASSY | (14) Power window switch cover rear |
| (5) Front door trim     | (10) Gusset cover rear            |                                     |

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## 14. CONSOLE BOX



EI-02000

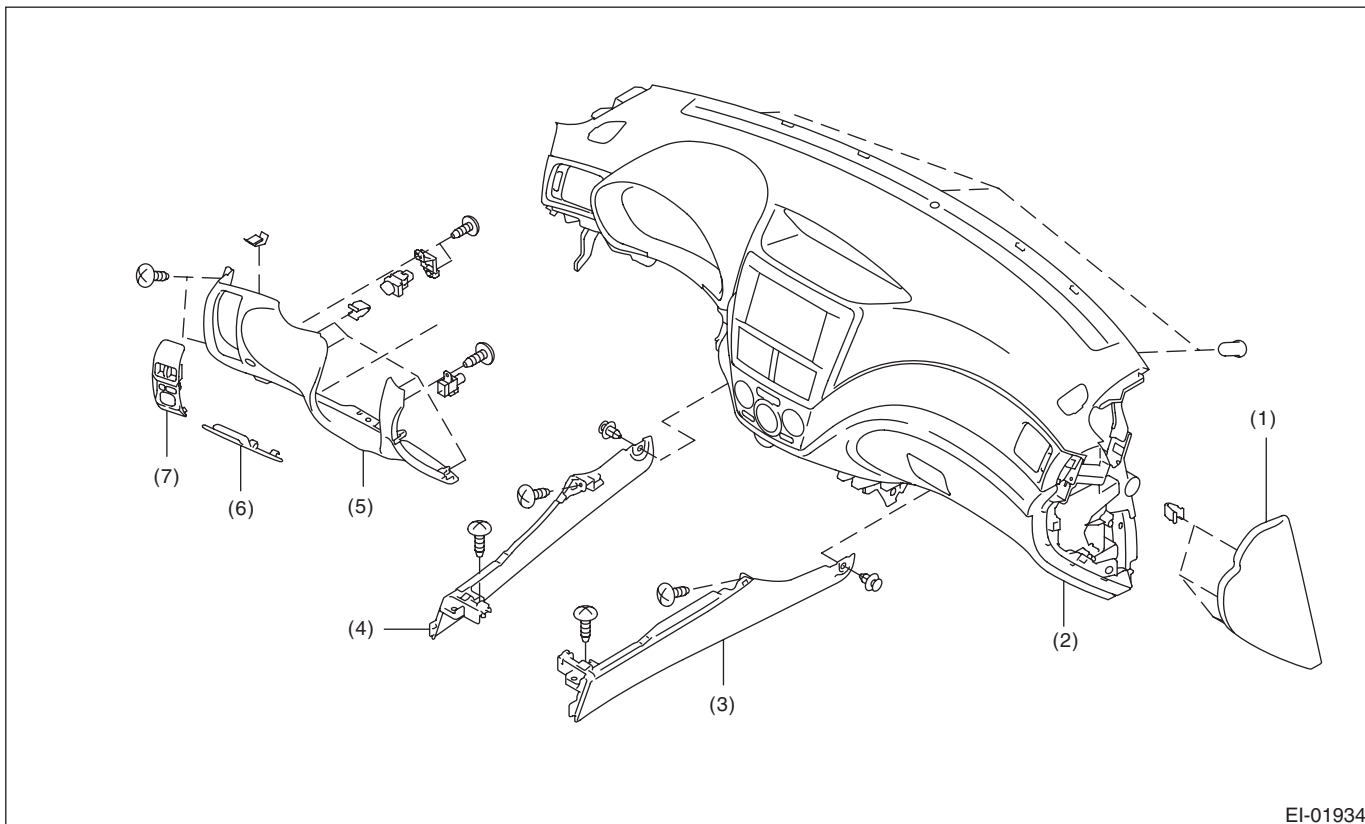
- |                              |                           |                                    |
|------------------------------|---------------------------|------------------------------------|
| (1) Console front panel      | (6) Cup holder ASSY       | (11) Rear cup holder               |
| (2) Shift boot               | (7) Upper lid             | (12) Console pocket                |
| (3) SI-drive switch          | (8) Console box outer     | (13) AUX input terminal            |
| (4) Parking brake lever boot | (9) Console box end cover | (14) Cap                           |
| (5) Console cover            | (10) Console box end cap  | (15) Accessory power supply socket |

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## 15. INSTRUMENT PANEL



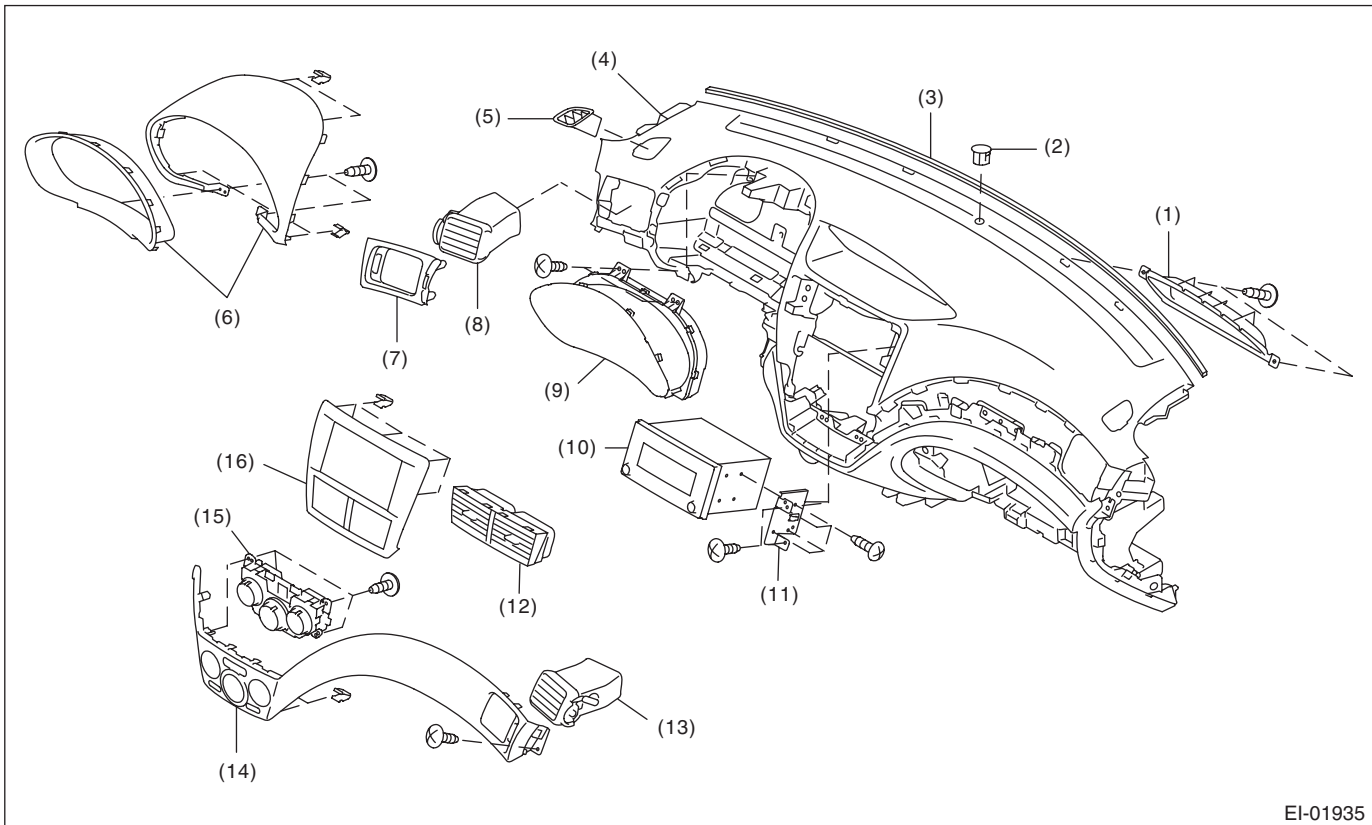
EI-01934

- |                                 |                                  |                       |
|---------------------------------|----------------------------------|-----------------------|
| (1) Instrument panel side cover | (4) Console side panel LH        | (6) Fuse box lid      |
| (2) Instrument panel ASSY       | (5) Instrument panel lower cover | (7) Switch panel ASSY |
| (3) Console side panel RH       |                                  |                       |

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SALES Studios



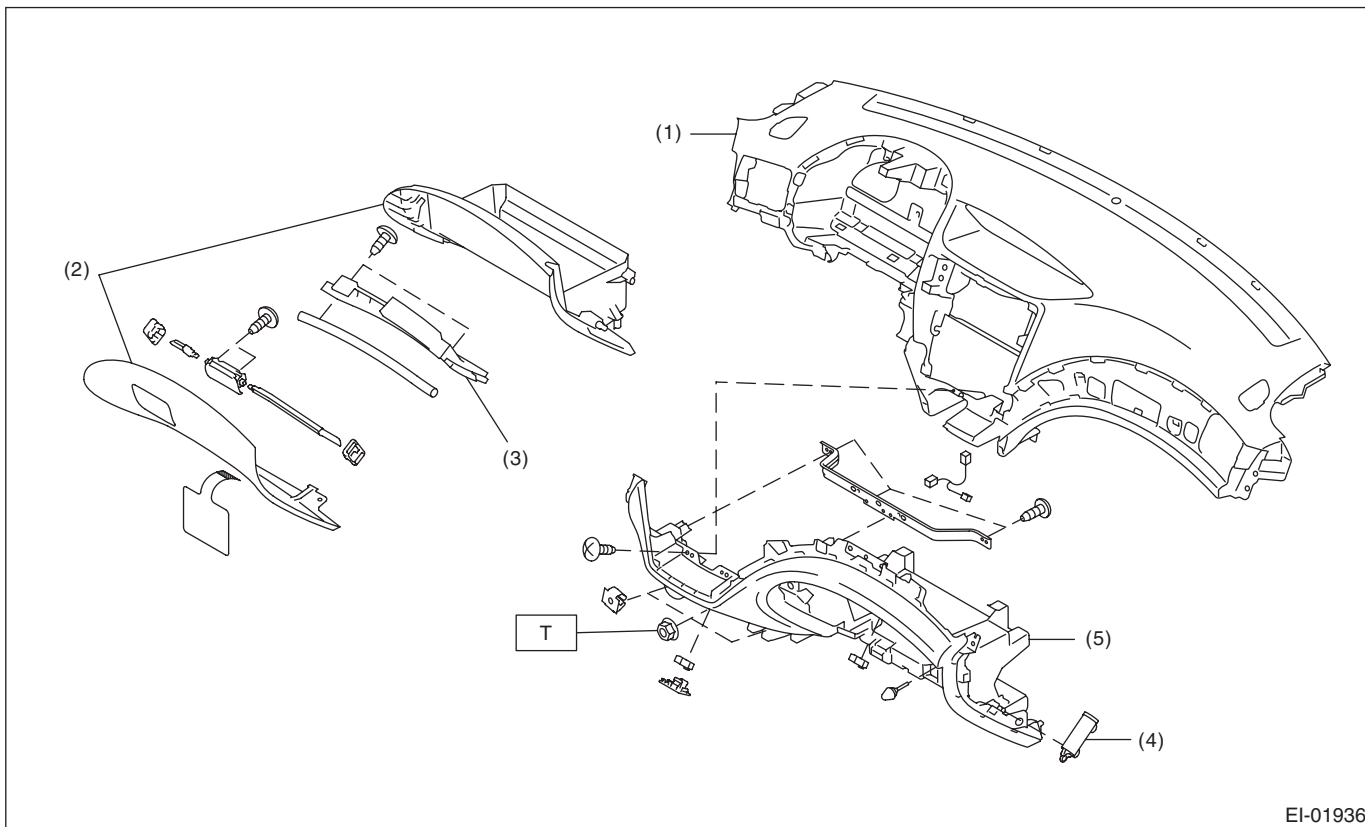
EI-01935

- |                           |                             |                              |
|---------------------------|-----------------------------|------------------------------|
| (1) Clock panel           | (7) Ornament panel LH       | (12) Air vent grille CTR     |
| (2) Sunload sensor        | (8) Air vent side grille LH | (13) Air vent side grille RH |
| (3) Cushion               | (9) Combination meter ASSY  | (14) Ornament panel RH       |
| (4) Instrument panel ASSY | (10) Audio                  | (15) Control module          |
| (5) Defroster side grille | (11) Audio bracket          | (16) Center panel            |
| (6) Meter visor ASSY      |                             |                              |

# General Description

## EXTERIOR/INTERIOR TRIM

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- (1) Instrument panel pad & frame ASSY
- (2) Glove box lid ASSY
- (3) Glove box pad
- (4) Glove box damper
- (5) Instrument panel lower

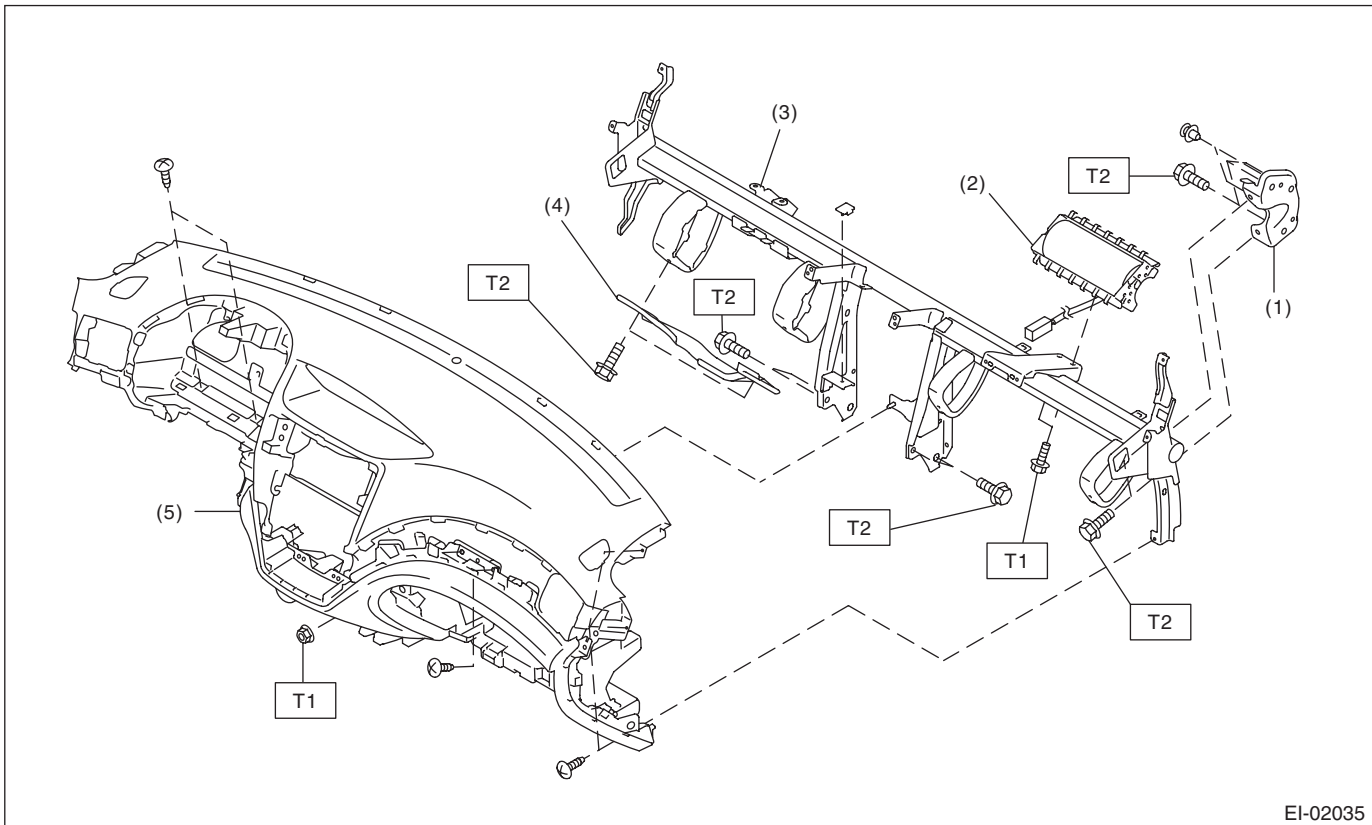
**Tightening torque: N·m (kgf·m, ft·lb)**

**T: 7.5 (0.76, 5.5)**

# General Description

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EI-02035

- (1) Steering support beam bracket
- (2) Airbag module ASSY (Passenger)
- (3) Steering support beam ASSY
- (4) Knee guard panel
- (5) Instrument panel ASSY

**Tightening torque: N·m (kgf·m, ft·lb)**

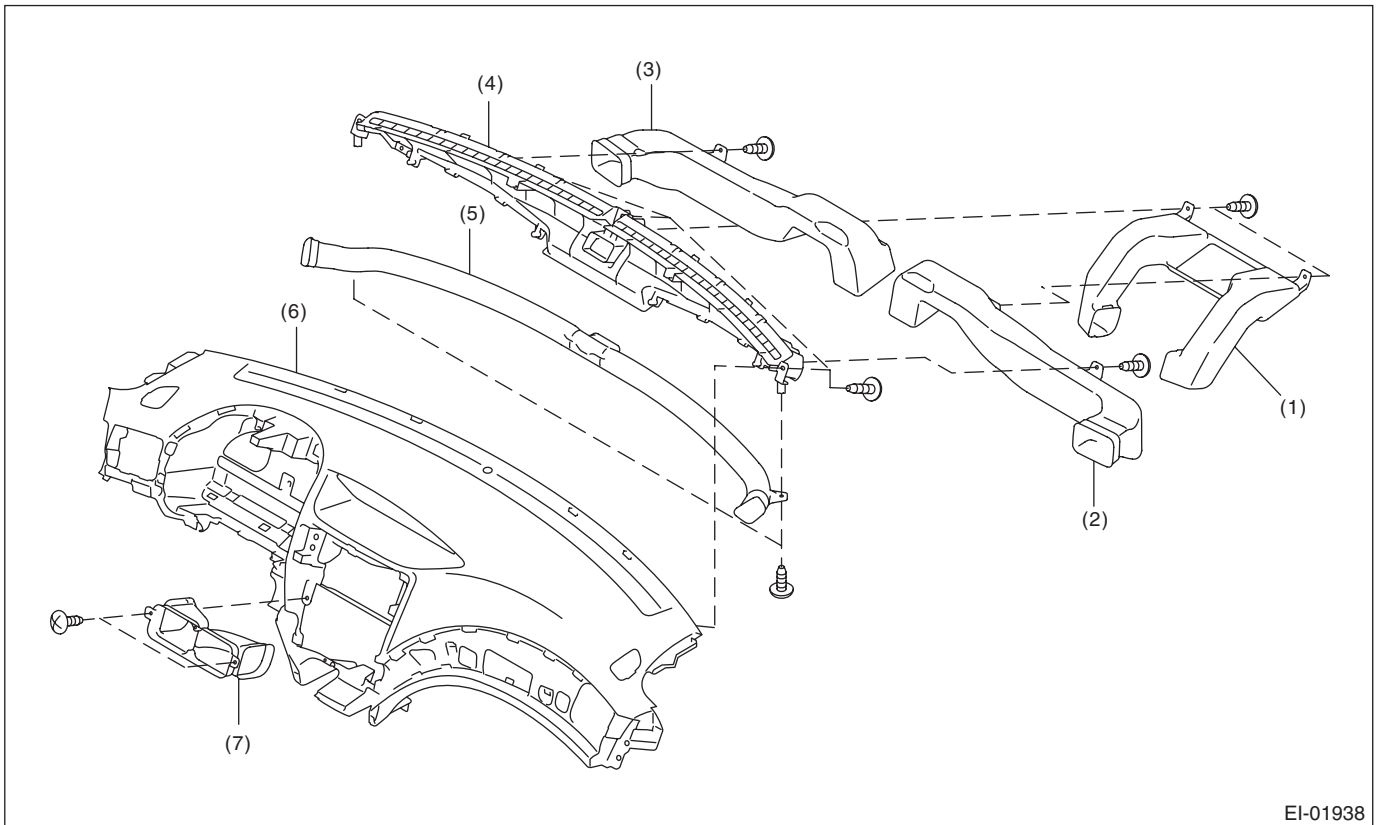
**T1: 7.5 (0.76, 5.5)**

**T2: 25 (25.5, 18.4)**

# General Description

## EXTERIOR/INTERIOR TRIM

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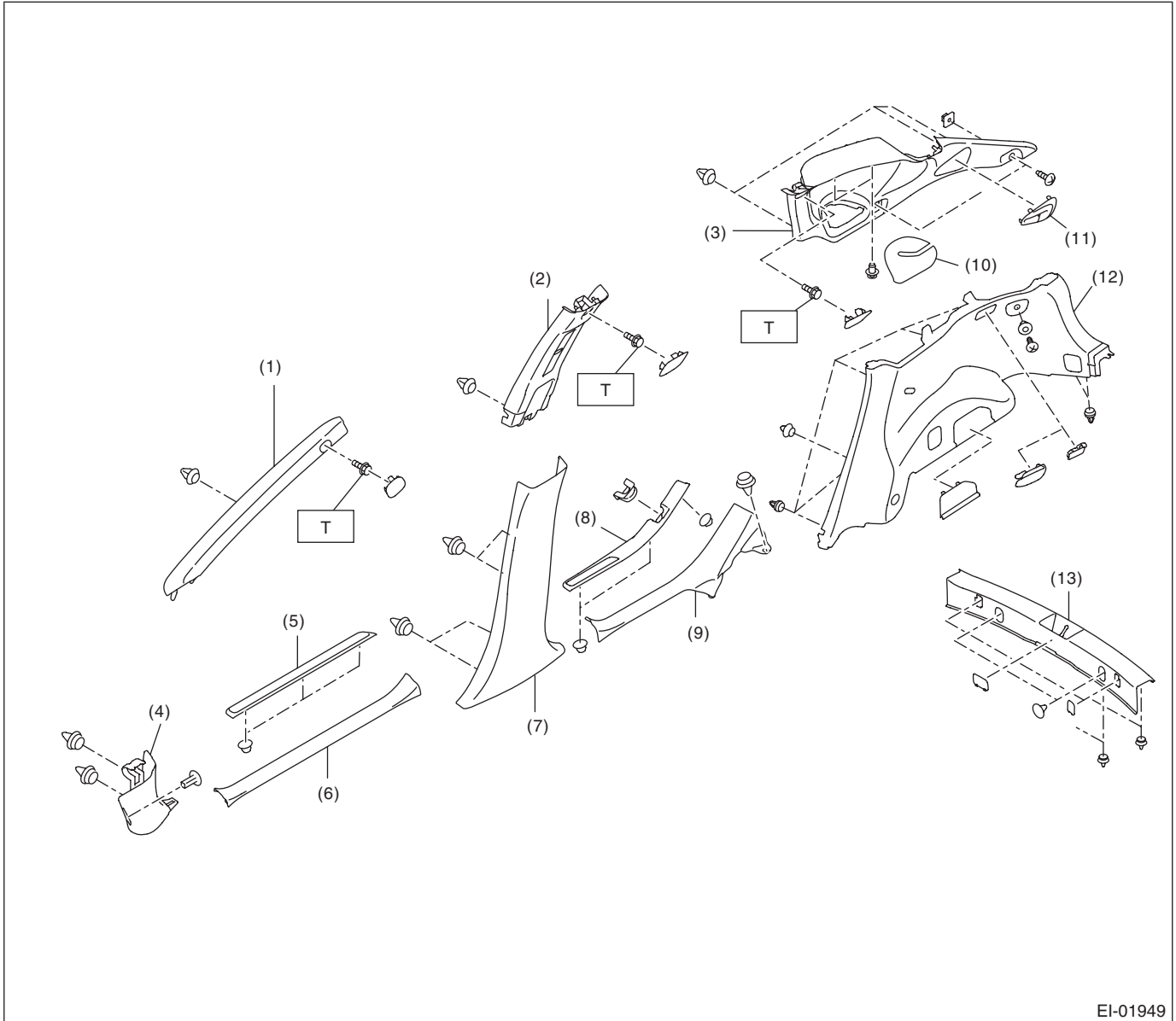
EI-01938

- |                           |                                       |                            |
|---------------------------|---------------------------------------|----------------------------|
| (1) Center vent duct      | (5) Side defroster                    | (7) Center vent duct front |
| (2) Side vent duct LH     | (6) Instrument panel pad & frame ASSY |                            |
| (3) Side vent duct RH     |                                       |                            |
| (4) Defroster nozzle ASSY |                                       |                            |



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## 16.INNER TRIM



EI-01949

- |                               |                              |                              |
|-------------------------------|------------------------------|------------------------------|
| (1) Front pillar upper trim   | (7) Center pillar lower trim | (12) Rear quarter lower trim |
| (2) Center pillar upper trim  | (8) Rear outside scuff plate | (13) Luggage room end cover  |
| (3) Rear quarter upper trim   | (9) Rear inside scuff plate  |                              |
| (4) Front pillar lower trim   | (10) Side seat belt cover    |                              |
| (5) Front outside scuff plate | (11) Center seat belt cover  |                              |
| (6) Front inside scuff plate  |                              |                              |

**Tightening torque: N·m (kgf·m, ft·lb)**

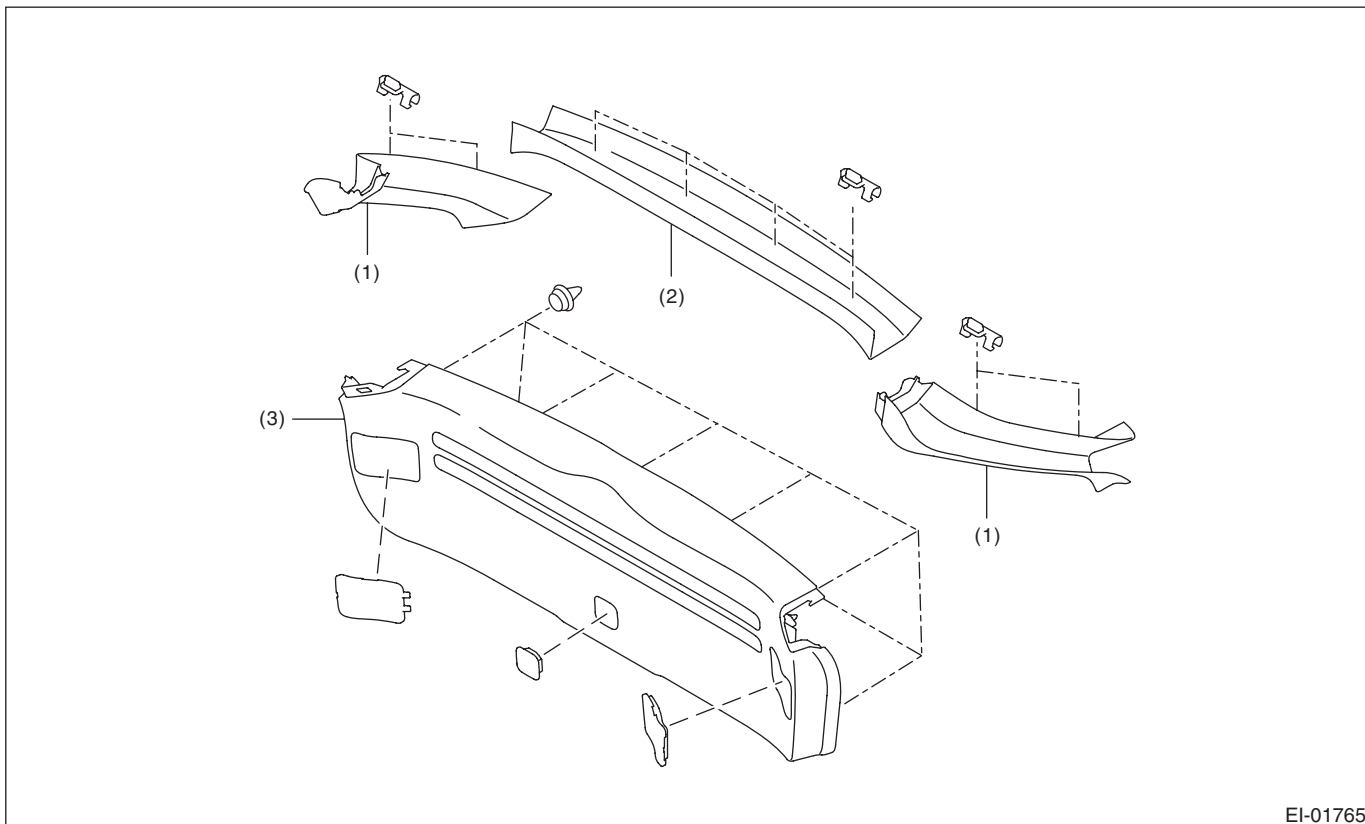
**T: 7.5 (0.76, 5.5)**

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## EXTERIOR/INTERIOR TRIM

### 17. REAR GATE TRIM



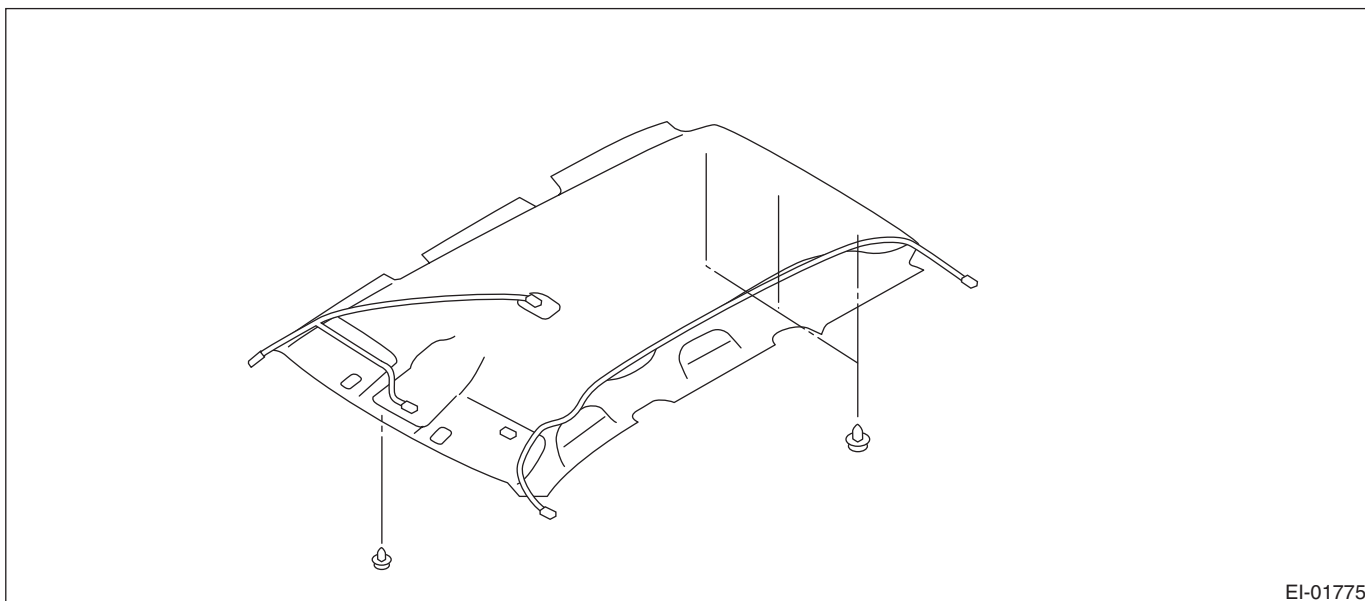
EI-01765

(1) Rear gate pillar trim

(2) Rear gate upper trim

(3) Rear gate lower trim

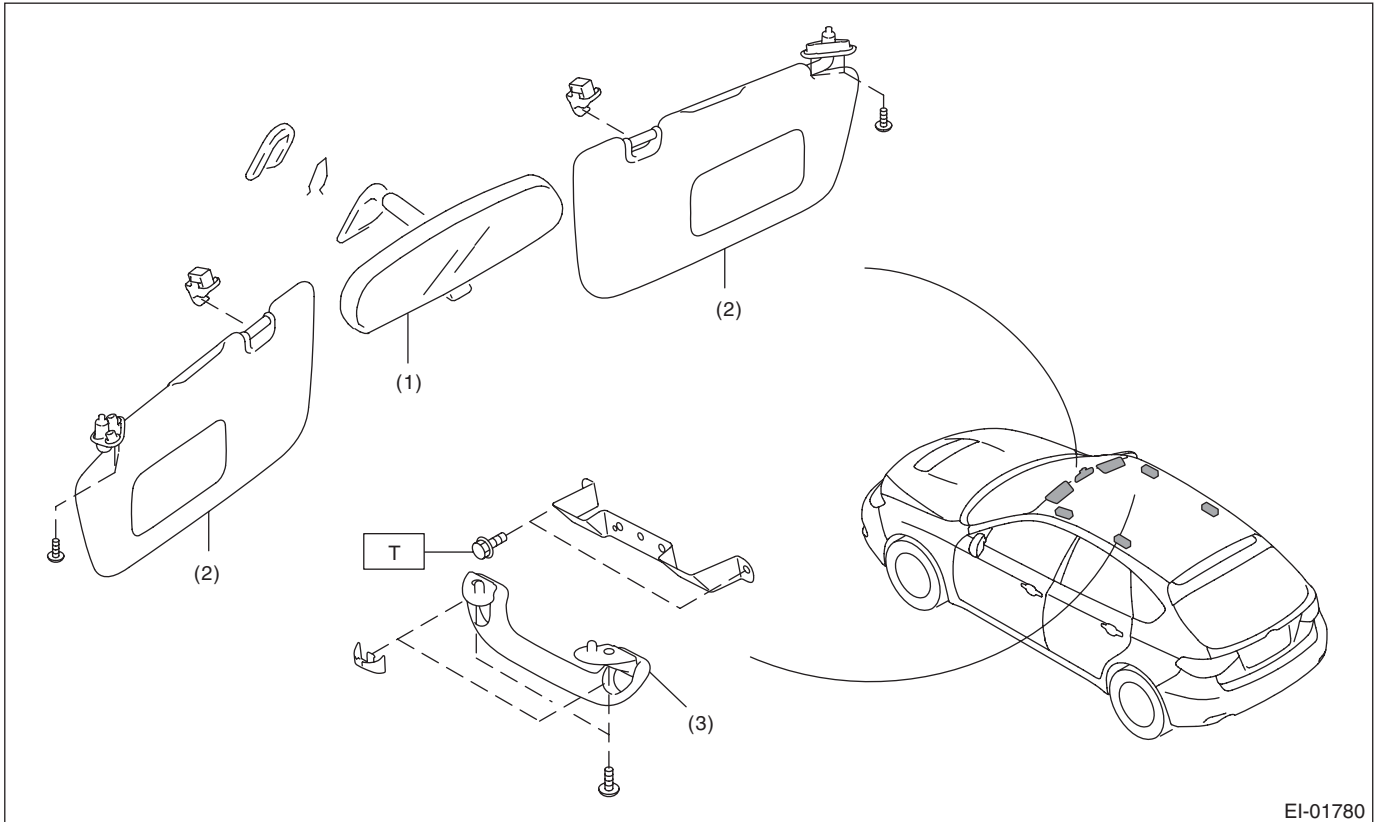
### 18. ROOF TRIM



EI-01775

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## 19.ROOM INNER PARTS



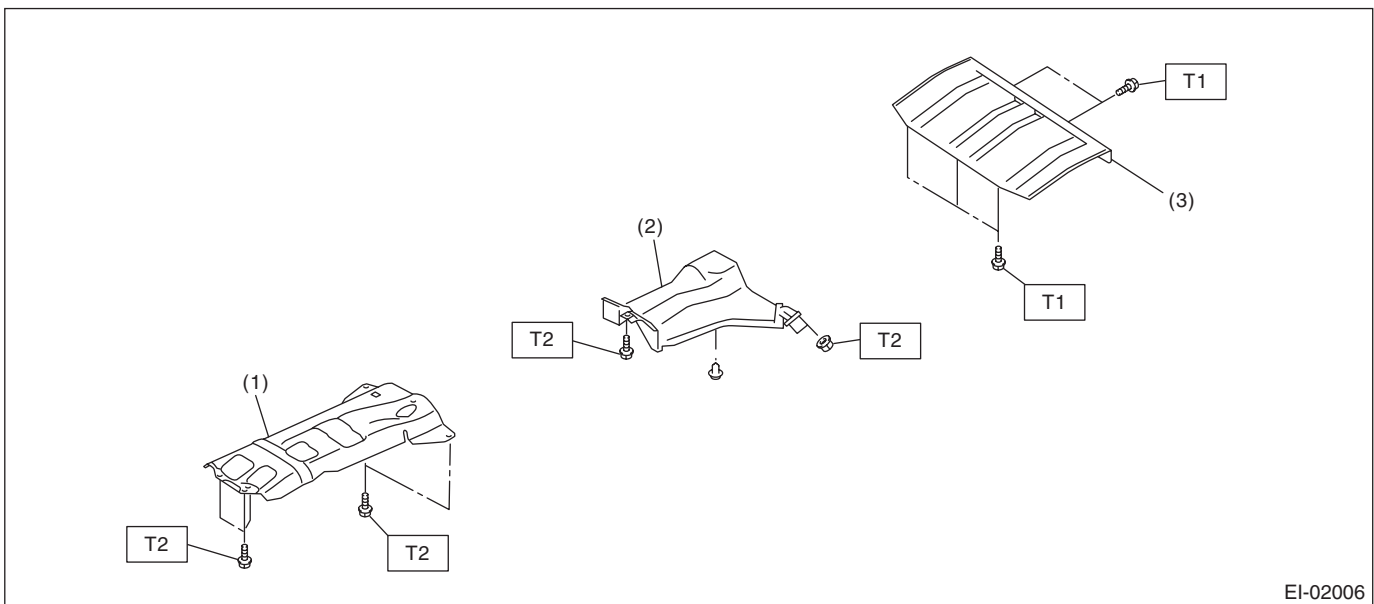
EI-01780

- (1) Room mirror
- (2) Sun visor

- (3) Assist grip

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

## 20.HEAT SHIELD COVER



EI-02006

- (1) Front heat shield cover
- (2) Center heat shield cover

- (3) Rear heat shield cover

**Tightening torque:N-m (kgf-m, ft-lb)**  
**T1: 7.5 (0.76, 5.5)**  
**T2: 18 (1.84, 13.3)**

# General Description

EXTERIOR/INTERIOR TRIM

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## B: PREPARATION TOOL

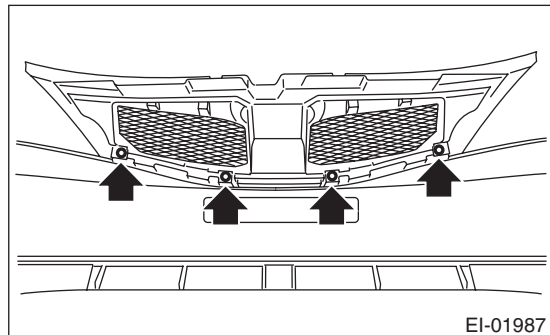
TOOL NAME	REMARKS
Clip remover	Used for removing trim. <ul style="list-style-type: none"><li>• KTC AP201-10A</li><li>• KTC AP201-N</li><li>• KTC AP203-10A</li><li>• KTC AP20L-10B</li></ul> Or equivalent.
Clip clamp pliers	Used for removal of various clips and clamps. <ul style="list-style-type: none"><li>• KTC CCP-190</li></ul> Or equivalent.

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## 2. Front Grille

### A: REMOVAL

- 1) Remove the front bumper face. <Ref. to EI-26, FRONT BUMPER FACE, REMOVAL, Front Bumper.>
- 2) Remove the screws from the reverse side of the bumper face to remove the front grille assembly.



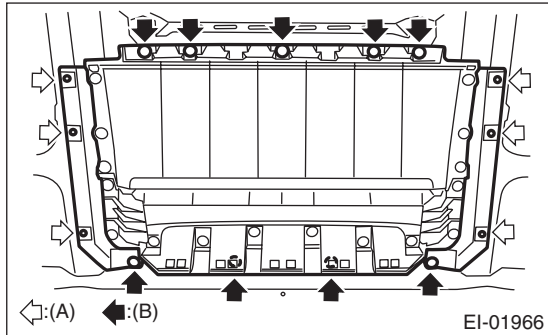
### B: INSTALLATION

Install in the reverse order of removal.

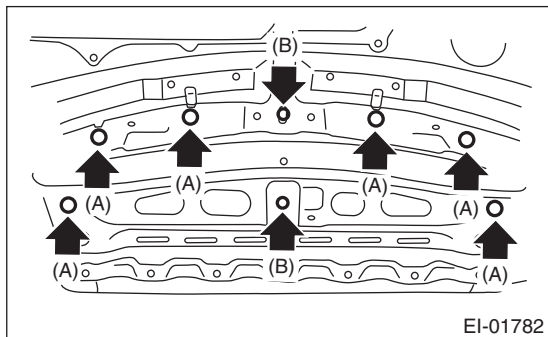
## 3. Front Hood Grille

### A: REMOVAL

- 1) Open the front hood.
- 2) Remove the front hood insulator. <Ref. to EB-12, FRONT HOOD INSULATOR, REMOVAL, Front Hood.>
- 3) Remove screws (A) and clip (B), and remove the front hood duct ASSY.



- 4) Loosen the nuts (A), remove the clip (B), and then remove the front hood grille.

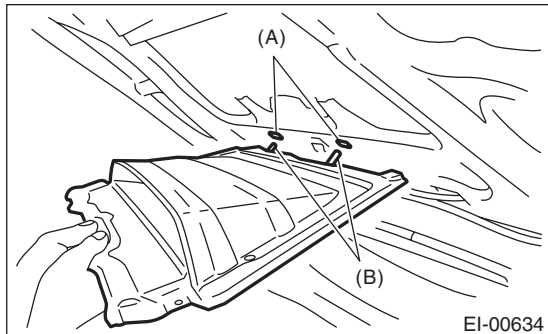


### B: INSTALLATION

Install in the reverse order of removal.

#### NOTE:

Insert the hooks (B) of the front hood duct into holes (A) of the front hood.

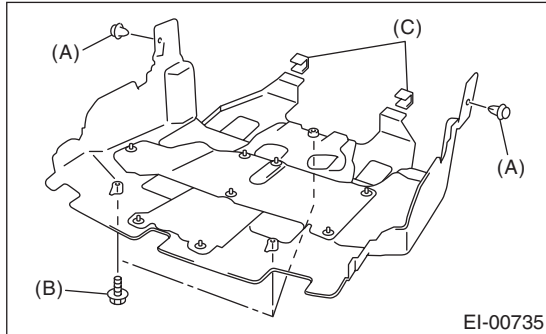


**Tightening torque:**  
**4.5 N·m (0.46 kgf-m, 3.32 ft-lb)**

## 4. Front Under Cover

### A: REMOVAL

- 1) Lift up the vehicle
- 2) Remove clips (A), (C) in front fender and bolts (B), then remove the front under cover.



### B: INSTALLATION

Install in the reverse order of removal.

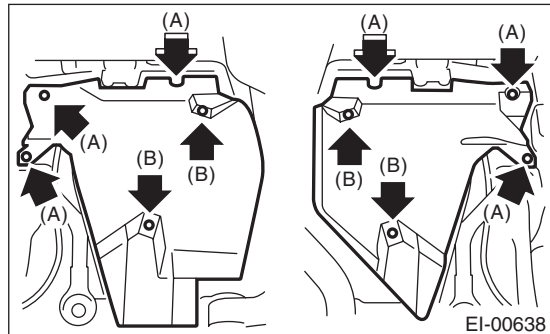
#### ***Tightening torque:***

***14 N·m (1.42 kgf·m, 10.3 ft·lb)***

## 5. Fuel Tank Protector

### A: REMOVAL

- 1) Lift up the vehicle.
- 2) Remove the bolts (A) and nuts (B), and then remove the fuel tank protector.



### B: INSTALLATION

#### CAUTION:

Do not reuse the nut (self locking nut). Always replace with a new part.

Install in the reverse order of removal.

#### Tightening torque:

Refer to "COMPONENT" of "General Description". <Ref. to EI-3, UNDER PROTECTOR, COMPONENT, General Description.>

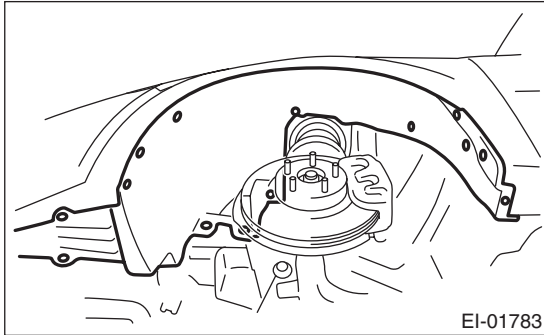


## 6. Mud Guard

### A: REMOVAL

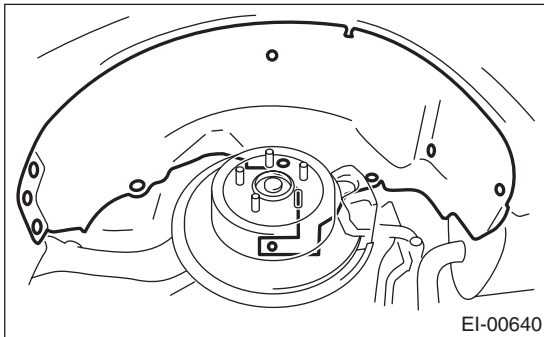
#### 1. FRONT MUD GUARD

- 1) Jack-up the vehicle.
- 2) Remove the front wheels.
- 3) Loosen the screws and clips to remove the mud guard.



#### 2. REAR MUD GUARD

- 1) Jack-up the vehicle.
- 2) Remove the rear wheels.
- 3) Loosen the screws and clips to remove the mud guard.



### B: INSTALLATION

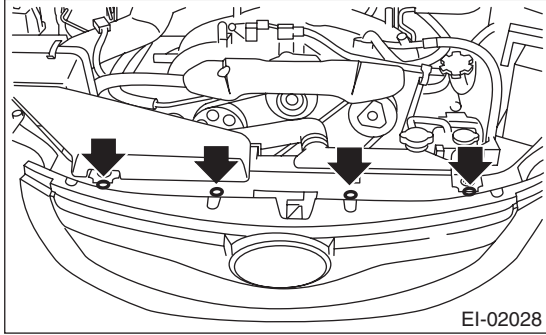
Install in the reverse order of removal.

## 7. Front Bumper

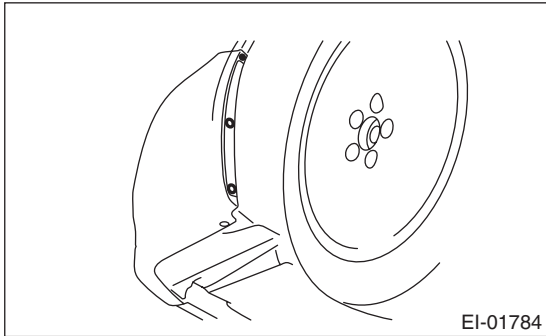
### A: REMOVAL

#### 1. FRONT BUMPER FACE

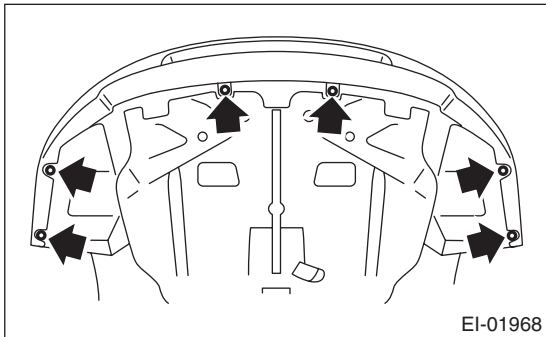
- 1) Disconnect the ground cable from the battery.
- 2) Remove the clip of the front grille.



- 3) Turn over the front mud guard, and remove the clips connecting the fender and bumper.



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



- 5) Disconnect the fog light connector. (Model with fog light)

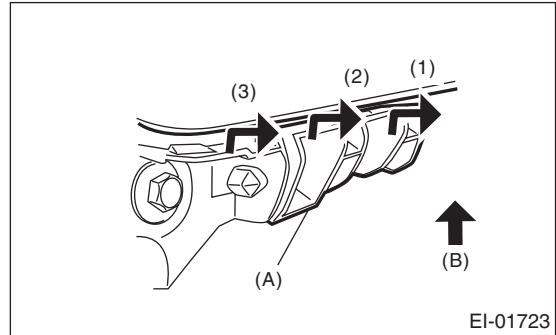
- 6) Detach the flange sections of the bumper face side from the guide bracket (A).

#### CAUTION:

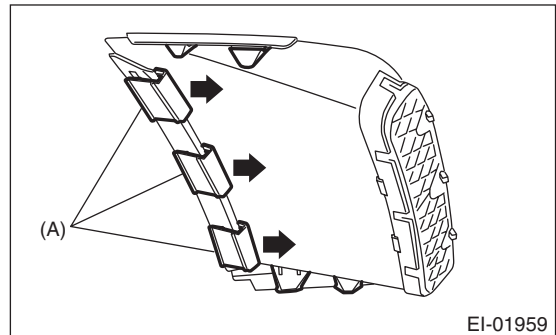
**Do not pull forcibly. It may damage the flange sections of the bumper face side.**

#### NOTE:

It is easier to detach them from the fender side in the order from (1) to (3), while pulling up the bumper face to the direction of arrow (B) (upward).



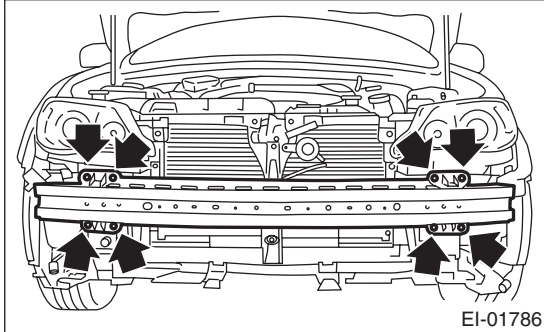
- 7) Remove the bumper face from vehicle body.
- 8) Remove the front grille from bumper face. <Ref. to EI-21, REMOVAL, Front Grille.>
- 9) Remove the fog light from bumper face. <Ref. to LI-20, REMOVAL, Front Fog Light Assembly.>
- 10) Remove the side cover from bumper face.



- (1) Remove clip (A).
- (2) Remove the upper and lower claws.

## 2. FRONT BUMPER BEAM ASSEMBLY

- 1) Disconnect the ground cable from the battery.
- 2) Remove the front bumper face. <Ref. to EI-26, FRONT BUMPER FACE, REMOVAL, Front Bumper.>
- 3) Remove the bolts, and remove the bumper beam assembly from vehicle body.



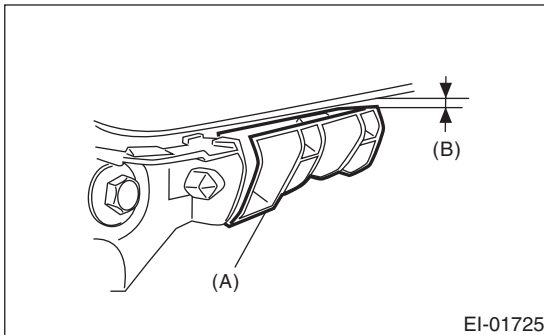
**NOTE:**

After all bolts are removed, raise the whole bumper beam a little to remove it from vehicle body.

## B: INSTALLATION

### 1. FRONT BUMPER FACE

- 1) Install in the reverse order of removal.
- 2) Fit the bumper face to the gap (B) between the guide bracket (A) and fender securely.



### 2. FRONT BUMPER BEAM ASSEMBLY

Install in the reverse order of removal.

**Tightening torque:**

Refer to “COMPONENT” of “General Description”. <Ref. to EI-5, FRONT BUMPER, COMPONENT, General Description.>

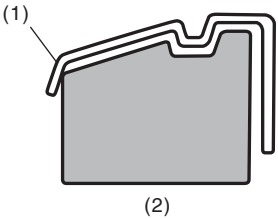
# Front Bumper

EXTERIOR/INTERIOR TRIM

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## C: REPAIR

### 1. COATING METHOD FOR PP BUMPER

Process No.	Process name	Job contents	
1	Bumper installation	Place the bumper on a paint worktable as required. Use the paint worktable conforming to inner shape of bumper if possible.	 <p>(1) Bumper (2) Set bumper section</p> <p>EI-00234</p>
2	Masking	Mask specified part (black base) with masking tape. Use masking tape for PP (example, Nichiban No. 533, etc.).	
3	Degreasing/cleaning	Clean all parts to be painted with white gasoline, normal alcohol, etc. to remove dirt, oil, fat, etc.	
4	Primer paint	Apply primer to all parts to be painted, using spray gun. Use primer (clear).	
5	Drying	Dry at normal temperature [10 to 15 min. at 20°C (68°F)]. In half-dried condition, PP primer paint is dissolved by solvent, e.g. thinner, etc. Therefore, if dust or dirt must be removed, use ordinary alcohol etc.	
6	Top coat paint (I)	Non-colored	Metallic paint
		Use section (block) paint for top coat. • Paint to be used (for each color): Solid paint Hardener PB Thinner T-301 • Mixture ratio: Main agent : Hardener = 4 : 1 • Viscosity: 10 — 13 sec./20°C (68°F) • Film thickness: 35 — 45 μ • Spraying pressure: 245 — 343 kPa (2.5 — 3.5 kgf/cm <sup>2</sup> , 36 — 50 psi)	Use section (block) paint for top coat. • Paint to be used (for each color): Metallic paint Hardener PB Thinner T-306 • Mixture ratio: Main agent : Hardener = 10 : 1 • Viscosity: 10 — 13 sec./20°C (68°F) • Film thickness: 15 — 20 μ • Spraying pressure: 245 — 343 kPa (2.5 — 3.5 kgf/cm <sup>2</sup> , 36 — 50 psi)
7	Drying	Not required.	Dry at normal temperature [at least 10 min. at 20°C (68°F)]. In half-dried condition, avoid dust, dirt.
8	Top coat paint (II)	Not required.	Apply a clear coat to parts with top coat paint (I), three times at 5 — 7 minutes intervals. • Paint to be used: Metallic paint Hardener PB Thinner T-301 • Mixture ratio: Clear coat : Hardener = 6 : 1 • Viscosity: 14 — 16 sec./20°C (68°F) • Film thickness: 25 — 30 μ • Spraying pressure: 245 — 343 kPa (2.5 — 3.5 kgf/cm <sup>2</sup> , 36 — 50 psi)
9	Drying	60°C (140°F), 60 min. or 80°C (176°F), 30 min. If higher than 80°C (176°F), PP may become be deformed. Keep maximum temperature 80°C (176°F) or less.	
10	Inspection	Check paint.	
11	Removal of masking	Remove the masking tape applied in procedure 2.	

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## 2. REPAIR INSTRUCTIONS FOR COLORED PP BUMPER

**NOTE:**

All PP bumpers are provided with a grained surface, and if the surface is damaged, it cannot normally be restored to its former condition. Damages limited to the shallow scratches that cause only a change in the luster of the base material or coating, can be almost fully restored. Before repairing a damaged area, explain this point to the customer and obtain an understanding about the matter. Repair methods are outlined below, based on a classification of the extent of damage.

1) Minor damage causing only a change in the luster of the bumper due to a light touch  
 Almost restorable.

Process No.	Process name	Job contents	
1	Cleaning	Clean the area to be repaired using water.	
2	Sanding	Grind the repairing area with #500 sand paper in a "feathering" motion.	
3	Finish	Resin section	Coated section
		Repeatedly apply wax to the affected area using soft cloth (such as flannel). Recommended wax: NITTO KASEI Soft 99 TIRE WAX BLACK, or equivalent.	Perform either the same process as for the resin section or process No. 18 and subsequent in the 3) section, depending on the degree and nature of damage.
		Polish the waxed area with clean cloth after 5 — 10 minutes.	

2) Deep damage caused by scratching with fences etc.  
 A dent cannot be repaired but a whitened or swelled part can be removed.

Process No.	Process name	Job contents	
1	Cleaning	Clean the damaged area with water.	
2	Removal of damaged area	Cut off protruding area, if any, due to collision, using a putty knife.	
3	Sanding	Grind the affected area with #100 — #500 sand paper.	
4	Finish	Resin section	Coated section
		Same as step 3 in the "1)" section.	Perform step 12 and subsequent operations in the "3)" section.

# Front Bumper

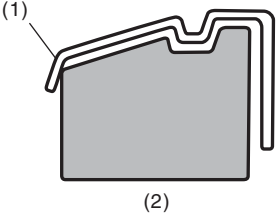
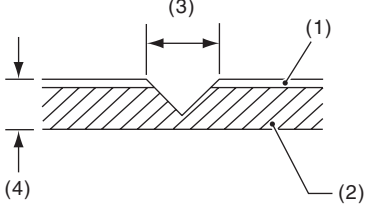
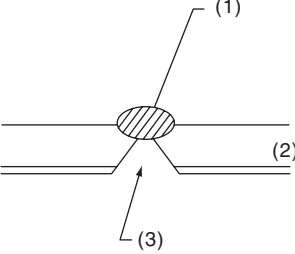
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## EXTERIOR/INTERIOR TRIM

3) Deep damage such as a break or hole that requires filling

Much of the peripheral grained surface must be sacrificed for repair. The degree of restoration is not really worth the expense. (The surface, however, will become almost flush with adjacent areas.)

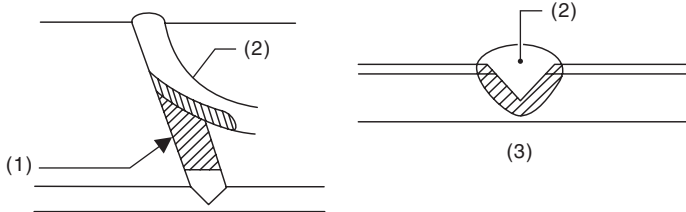
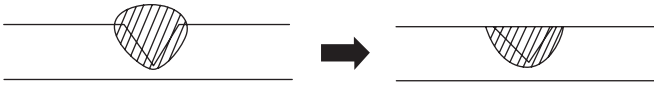
Recommended repair kit: PP Part Repair Kit (NRM)

Process No.	Process name	Job contents	
1	Bumper removal	Remove the bumper as required.	
2	Removal of parts	Remove the parts built into bumper as required.	
3	Bumper placement	Place the bumper on a paint worktable as required. It is recommended to use the paint worktable conforming to internal shape of bumper.	 <p style="text-align: right;">EI-00234</p> <p>(1) Bumper (2) Set bumper section</p>
4	Surface preparation	Remove dust, oil, etc. from areas to be repaired and surrounding areas, using a suitable solvent (NRM No. 900 Precleno, white gasoline, or alcohol, etc.).	
5	Cutting	If the damage is a crack or a hole, cut a guide slit of 20 to 30 mm (0.79 to 1.18 in) in length along the crack or hole up to the bumper base surface. Next, use a knife or grinder to carve a V-shaped groove in the area for repair.	 <p style="text-align: right;">EI-00235</p> <p>(1) Paint surface (2) PP base surface (3) 20 — 30 mm (0.79 — 1.18 in) (4) 3 mm (0.12 in)</p>
6	Sanding (I)	Grind beveled surface with sand paper (#40 — #60) to smooth finish.	
7	Cleaning	Clean the sanded surface with the same solvent as used in Procedure 4.	
8	Temporary welding	Grind the side just opposite the beveled area with sand paper (#40 — #60) and clean using a solvent. Temporarily spot-weld the side, using PP welding rod and heater gun.	 <p style="text-align: right;">EI-00236</p> <p>(1) Welded point (Use heater gun and PP welding rod) (2) PP base surface (3) Beveled section</p> <p>NOTE:</p> <ul style="list-style-type: none"> <li>Do not melt welding rod until it flows out. This results in reduced strength.</li> <li>Leave the welded spot unattended until it cools completely.</li> </ul>

# Front Bumper

EXTERIOR/INTERIOR TRIM

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Process No.	Process name	Job contents
9	Welding	<p>Using a heater gun and PP welding rod, weld the beveled spot while melting both the rod and damaged area.</p>  <p>(1) Welding rod                      (2) Melt hatched area                      (3) Section</p> <p>NOTE:</p> <ul style="list-style-type: none"> <li>• Melt the sections indicated by hatched area.</li> <li>• Do not melt the welding rod until it flows out, in order to provide strength.</li> <li>• Always keep the heater gun 1 to 2 cm (0.4 to 0.8 in) away from the welding spot.</li> <li>• Leave the welded spot unattended until it cools completely.</li> </ul> <p style="text-align: right;">EI-00237</p>
10	Sanding (II)	<p>Remove excess part of weld with a putty knife. If a drill or disc wheel is used instead of the knife, operate it at a rate lower than 1,500 rpm and grind the excess part little by little. A higher rpm will cause the PP substrate to melt from the heat.</p>  <p style="text-align: right;">EI-00042</p> <p>Sand the welded spot smooth with #240 sand paper.</p>
11	Masking	<p>Mask the black substrate section using masking tape.                      Recommended masking tape: Nichiban No. 533 or equivalent</p>
12	Cleaning/ degreasing	<p>Completely clean the entire coated area, using solvent similar to that used in Procedure 4.</p>
13	Primer coating	<p>Apply a coat of primer to the repaired surface and its surrounding areas. Mask these areas, if necessary.                      Recommended primer: Mp/ 364 PP Primer</p> <p>NOTE:                      Be sure to apply a coat of primer using a spray gun at a pressure of 245 — 343 kPa (2.5 — 3.5 kgf/cm<sup>2</sup>, 36 — 50 psi).</p>
14	Leave unattended	<p>Leave the repaired area unattended at 20°C (68°F) for 10 to 15 minutes until primer is half-dry.</p> <p>NOTE:                      If dirt or dust comes in contact with the coated area, wipe it off with a cloth dampened with alcohol.                      (Do not use thinner since the coated area tends to melt.)</p>
15	Primer surfacer coating	<p>Apply primer surfacer to the repaired area two or three times at an interval of 3 — 5 minutes.                      Recommended surfacer:</p> <ul style="list-style-type: none"> <li>• UPS 300 Flex Primer</li> <li>• No. 303 UPS 300 Exclusive hardener</li> <li>• NPS 725 Exclusive Reducer (thinner)</li> <li>• Mixture ratio:                          2 : 1 (UPS 300 : No. 303)</li> <li>• Viscosity: 12 — 14 sec./20°C (68°F)</li> <li>• Coating film thickness: 40 — 50 μ</li> </ul>
16	Drying	<p>Allow the coated surface to dry for 20 minutes at 20°C (68°F) [or 30 minutes at 60°C (140°F)].</p>

# Front Bumper

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## EXTERIOR/INTERIOR TRIM

Process No.	Process name	Job contents	
17	Sanding (III)	Sand the coated surface and its surrounding areas using #400 sand paper and water.	
18	Cleaning/ degreasing	Same as Process No. 12.	
19	Top coat (I)	Non-colored	Metallic paint
		Use a "block" coating method. • Recommended paint: Suncryl (SC) No. 307 Flex Hardener SC Reducer (thinner) • Mixture ratio: Suncryl (SC) : No. 307 Flex Hardener = 3 : 1 • Viscosity: 11 — 13 sec./20°C (68°F) • Coating film thickness: 40 — 50 μ • Spraying pressure: 245 — 343 kPa (2.5 — 3.5 kgf/cm <sup>2</sup> , 36 — 50 psi)	Use a "block" coating method. • Recommended paint: Suncryl (SC) No. 307 Flex Hardener SC Reducer (thinner) • Mixture ratio: Suncryl (SC) : No. 307 Flex Hardener = 3 : 1 • Viscosity: 11 — 13 sec./20°C (68°F) • Coating film thickness: 20 — 30 μ • Spraying pressure: 245 — 343 kPa (2.5 — 3.5 kgf/cm <sup>2</sup> , 36 — 50 psi)
20	Leave unattended	Not required.	Leave unattended at 20°C (68°F) for at least 10 minutes until the top coated area is half-dry. NOTE: Be careful to keep dust or dirt from coming in contact with the affected area.
21	Top coat (II)	Not required.	Apply a clear coat three times at an interval of 3 to 5 minutes. • Recommended paint: SC710 Overlay Clear No. 307 Flex Hardener SC Reducer (thinner) • Mixture ratio: Suncryl (SC) : No. 307 Flex Hardener = 3 : 1 • Viscosity: 10 — 13 sec./20°C (68°F) • Coating film thickness: 20 — 30 μ • Spraying pressure: 245 — 343 kPa (2.5 — 3.5 kgf/cm <sup>2</sup> , 36 — 50 psi)
22	Drying	Allow the coated surface to dry for two hours at 20°C (68°F) or 30 minutes at 60°C (140°F)]. NOTE: Do not allow the temperature to exceed 80°C (176°F) since this will deform the PP substrate.	
23	Inspection	Carefully check the condition of the repaired area.	
24	Removal of masking	Remove the masking tape applied in Process No. 11 and 13.	
25	Parts installation	Install parts on the bumper in reverse order of removal.	
26	Bumper installation	Install the bumper.	



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## 8. Rear Bumper

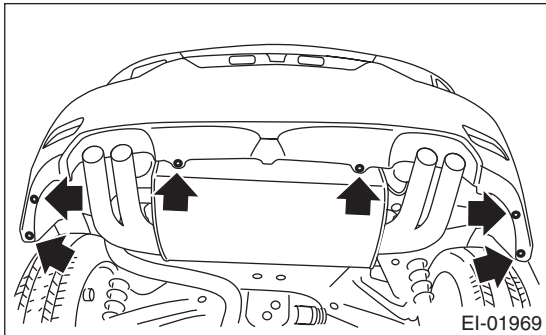
### A: REMOVAL

#### 1. REAR BUMPER FACE

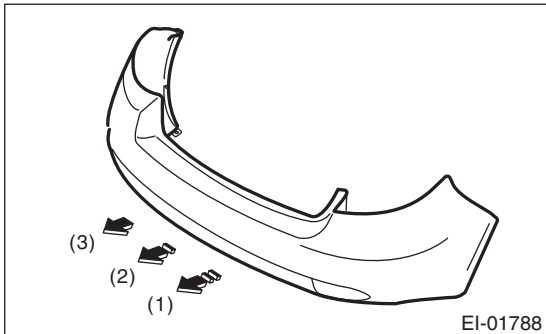
1) Remove the clips inside the wheel housing.



2) Remove the clips on the lower side of rear bumper.



3) Remove the rear bumper from vehicle body.



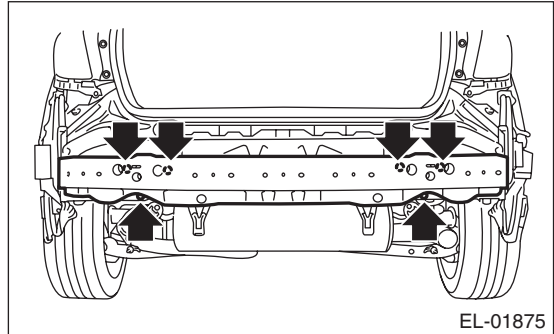
#### NOTE:

- Do not pull with an excessive force. Otherwise the bracket installation area may be damaged.
- Lifting the bumper face upward, and removing in the order of (1)-(3) of the fender side, will make it easier to remove.

4) Remove the reflector.

#### 2. REAR BUMPER BEAM ASSEMBLY

- 1) Disconnect the ground cable from the battery.
- 2) Remove the rear bumper face. <Ref. to EI-33, REAR BUMPER FACE, REMOVAL, Rear Bumper.>
- 3) Remove the nuts, and remove the bumper beam assembly from vehicle body.



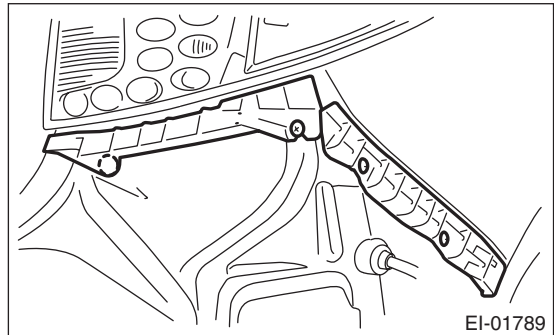
#### NOTE:

After all nuts are removed, raise the whole bumper beam a little to remove it from vehicle body.

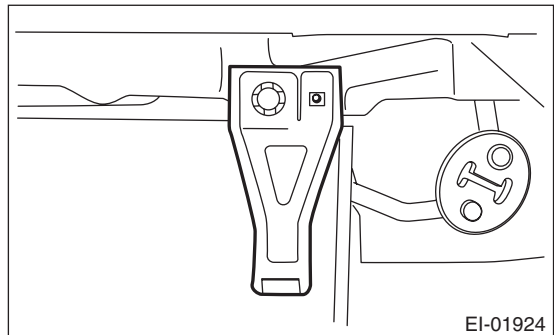
#### 3. REAR BUMPER BRACKET

Remove the rear bumper face from vehicle body, and remove each bumper bracket.

- Corner bracket



- Lower bracket



## **B: INSTALLATION**

Install in the reverse order of removal.

### **NOTE:**

If the bumper face comes off easily from the beam upper rear, adjust the hook of the bracket side.

### ***Tightening torque:***

***Refer to “COMPONENT” of “General Description”.***

***<Ref. to EI-6, REAR BUMPER, COMPONENT, General Description.>***

## **C: REPAIR**

Refer to the description for front bumper repair.

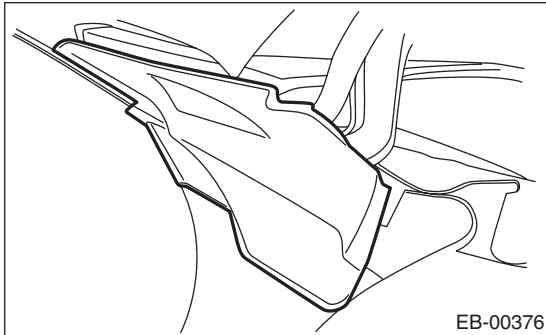
***<Ref. to EI-28, REPAIR, Front Bumper.>***

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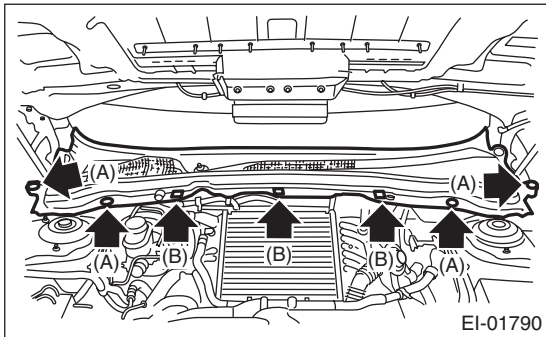
## 9. Cowl Panel

### A: REMOVAL

- 1) Open the front hood.
- 2) Remove the wiper arm. <Ref. to WW-14, REMOVAL, Front Wiper Arm.>
- 3) Remove the cowl panel side.



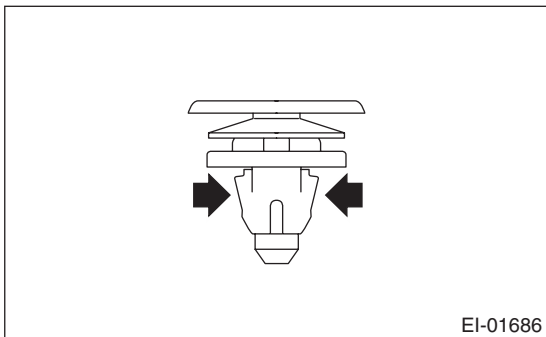
- 4) Remove the clips (A) and (B), and remove the cowl panel.



### CAUTION:

When removing the clip (B), pushing clip claws from both side.

Be careful because the clip can be damaged if you pull unnecessarily hard on them.

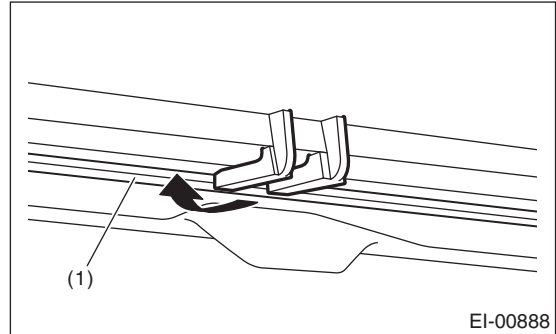


### B: INSTALLATION

Install in the reverse order of removal.

#### NOTE:

Hook the claw of the cowl panel on the lower end of the wind shield.

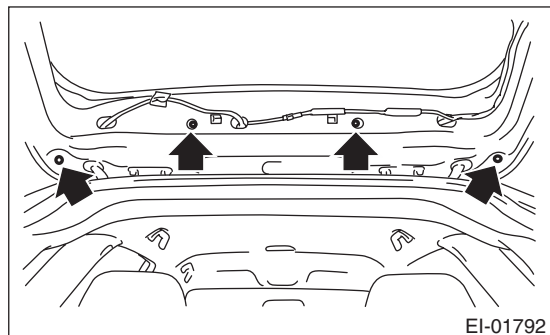


(1) Wind shield cross section

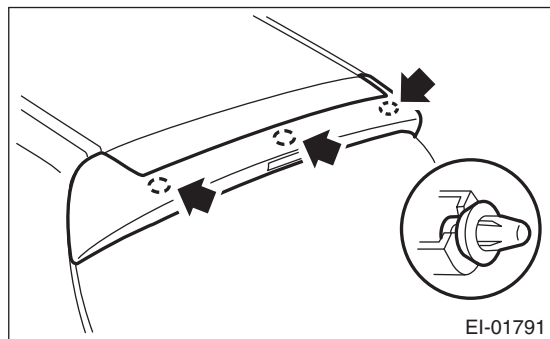
## 10. Roof Spoiler

### A: REMOVAL

- 1) Disconnect the ground cable from the battery.
- 2) Remove the rear gate trim. <Ref. to EI-55, REMOVAL, Rear Gate Trim.>
- 3) Disconnect the connector of high-mounted stop light and the washer hose of rear washer.
- 4) Remove the bolts and nuts.



- 5) Remove the clips, and remove the roof spoiler.



### B: INSTALLATION

**CAUTION:**

- Improper installing may cause the water leakage, make sure the harness grommet is installed securely.
- Check that there is no foreign matter in roof spoiler between the high-mounted stop light harness or washer hose, it may cause washer defective and improperly installation.

Install in the reverse order of removal.

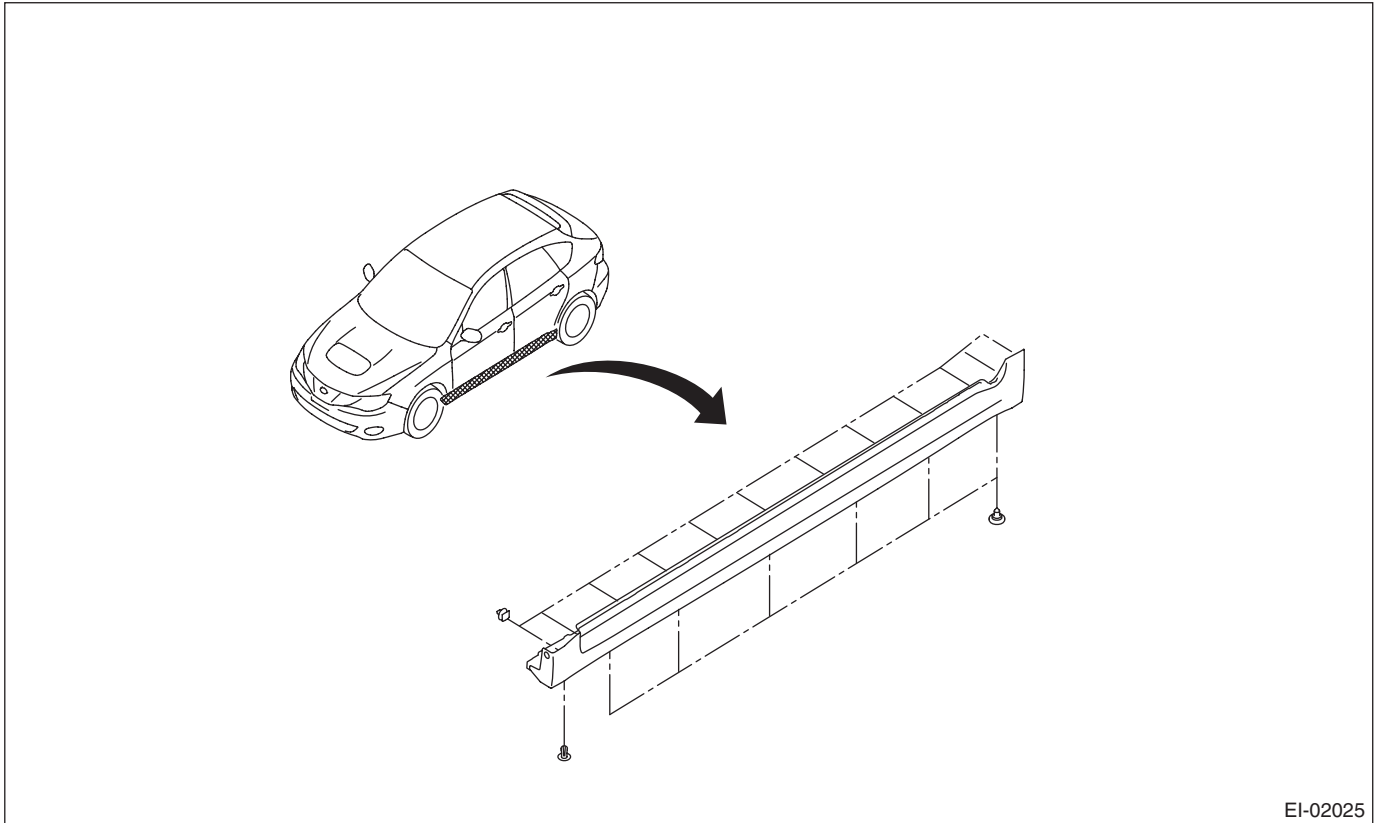
**Tightening torque:**

**7.5 N·m (0.76 kgf-m, 5.5 ft-lb)**

## 11.Side Sill Spoiler

### A: REMOVAL

Remove the clip, and side spoiler.



EI-02025

### B: INSTALLATION

Install in the reverse order of removal.

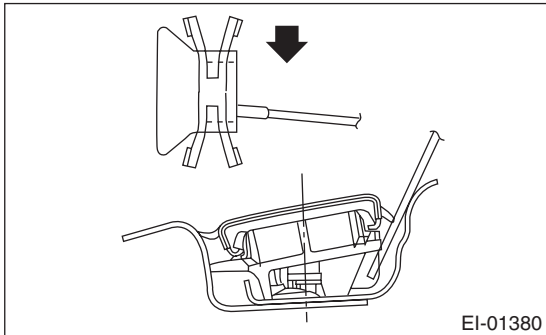
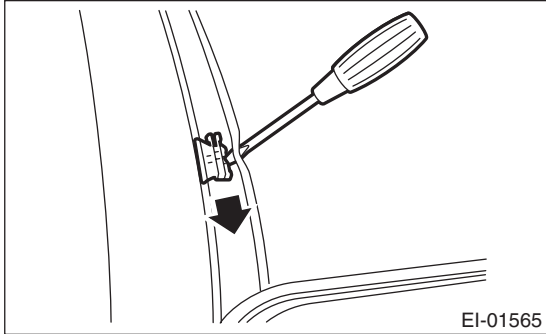
## 12. Roof Molding

### A: REMOVAL

1) Peel the end of the roof molding, and slide the inner clip in the direction of the arrow using a flat tip screwdriver, to remove the clip from the stud on the vehicle side.

Right side: Slide towards the front of the vehicle.

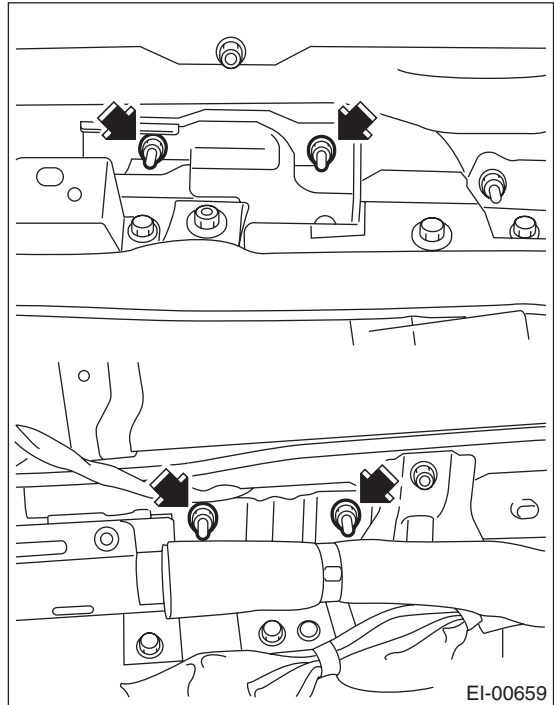
Left side: Slide towards the rear of the vehicle.



2) Pull up the roof molding upward, and remove from the vehicle.

3) Remove the roof trim. <Ref. to EI-54, REMOVAL, Roof Trim.>

4) Remove the nut, and remove the roof carrier bracket.



### B: INSTALLATION

1) Install the roof carrier bracket.

#### Tightening torque:

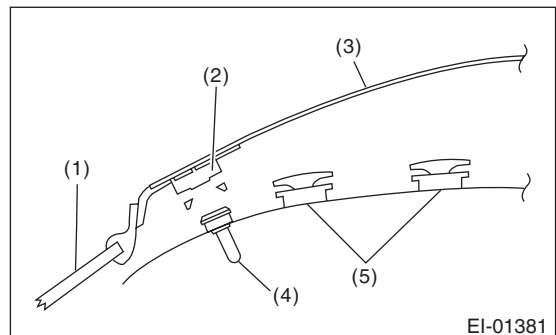
**7.5 N-m (7.6 kgf-m, 5.5 ft-lb)**

2) Remove the clips from the roof molding, and attach to the studs on the vehicle.

#### CAUTION:

**Always replace clips that were damaged during removal of the roof moulding.**

3) Push the front end of the roof molding against the front window, and attach the forward positioning clip onto the rivet on the body.



- (1) Windshield
- (2) Positioning clip
- (3) Roof molding
- (4) Rivet
- (5) Clip

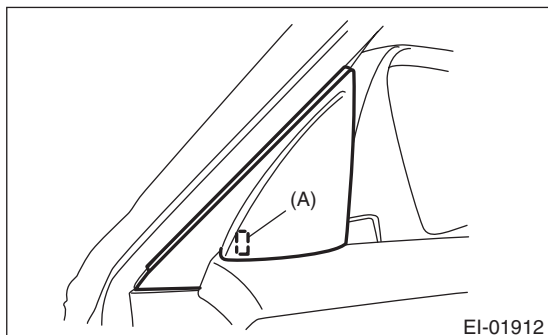
4) While pushing down the roof molding from above, connect the roof molding and the clip.

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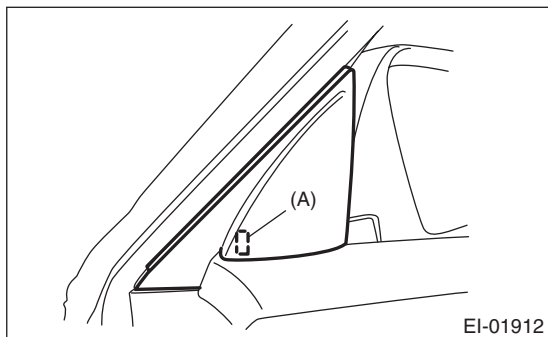
### 13. Door Trim

#### A: REMOVAL

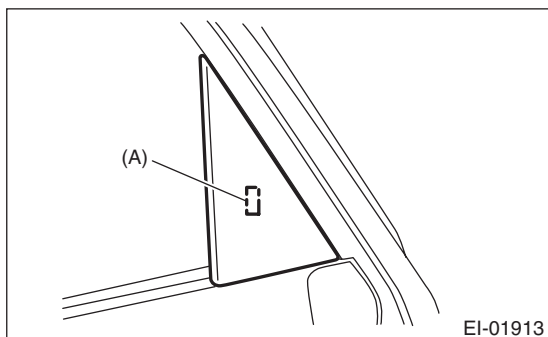
- 1) Disconnect the ground cable from the battery.
- 2) Remove the clip (A), and remove the gusset cover.



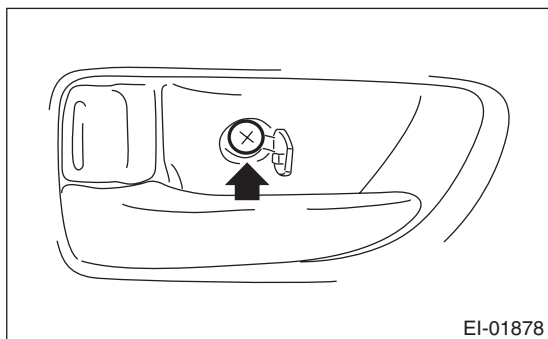
- Front  
Disconnect the connector. (model with tweeter type)



- Rear

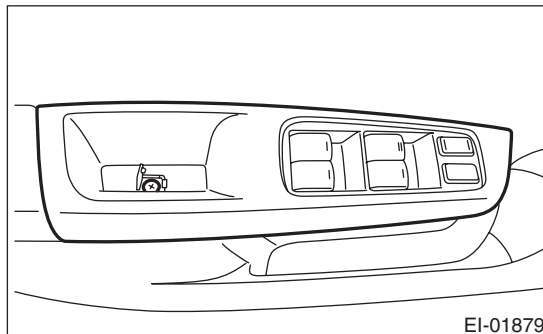


- 3) Open the inner remote area cover and then remove the screws.

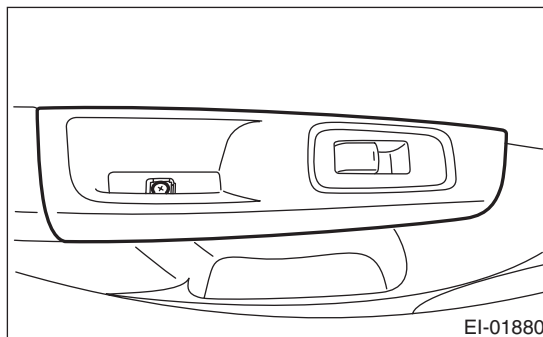


- 4) Remove the screws to remove the power window switch assembly.

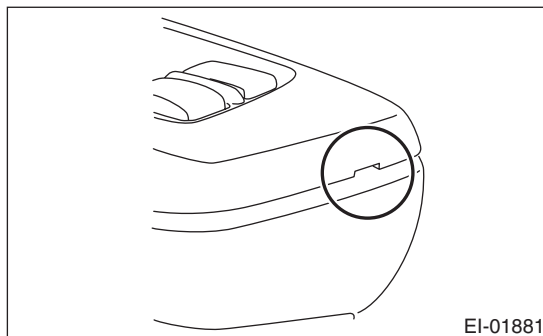
- Front door



- Rear door



**NOTE:**  
Remove the cutout portion from end of switch panel.



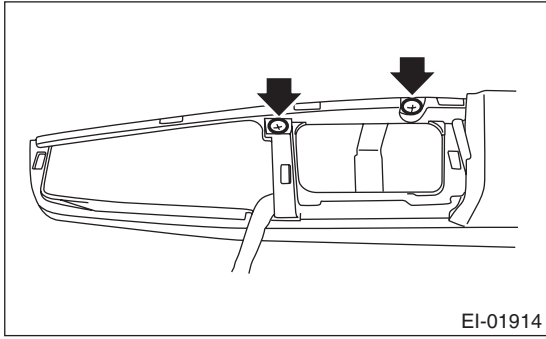
# Door Trim

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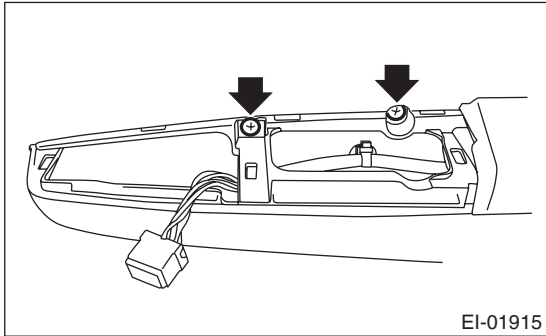
## EXTERIOR/INTERIOR TRIM

5) Remove the door trim screw.

- Front



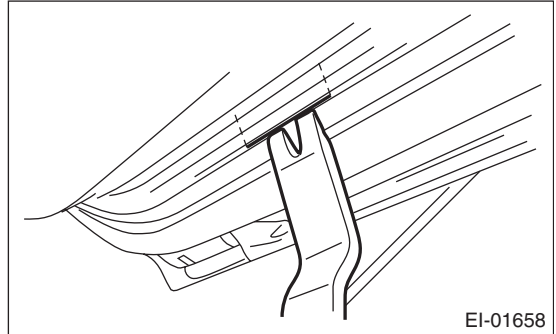
- Rear



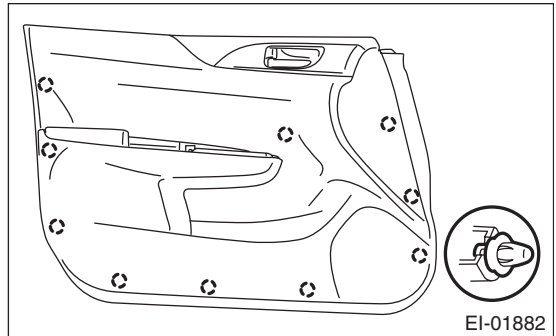
6) Remove the clips, and disconnect all wire cables to remove the door trim.

### NOTE:

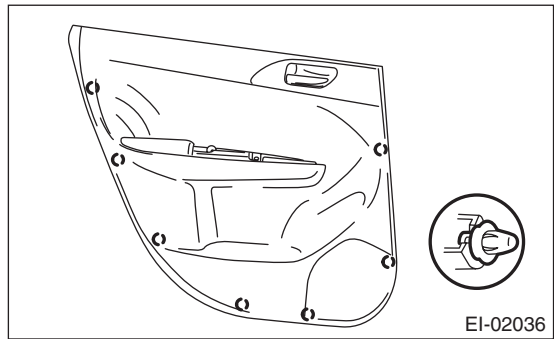
Insert the lower slit of trim to plastic clip remover and then lift up the trim.



- Front door trim



- Rear door trim



## B: INSTALLATION

Install in the reverse order of removal.

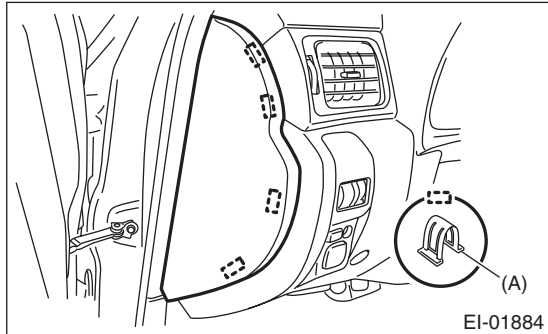


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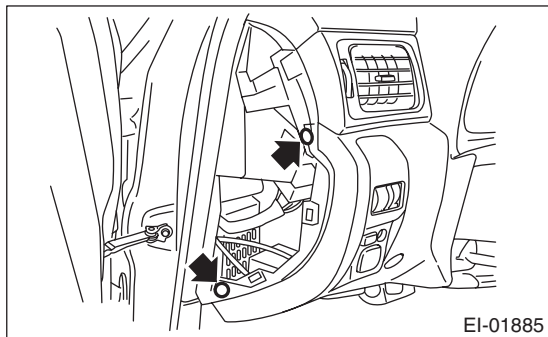
## 14. Instrument Panel Lower Cover

### A: REMOVAL

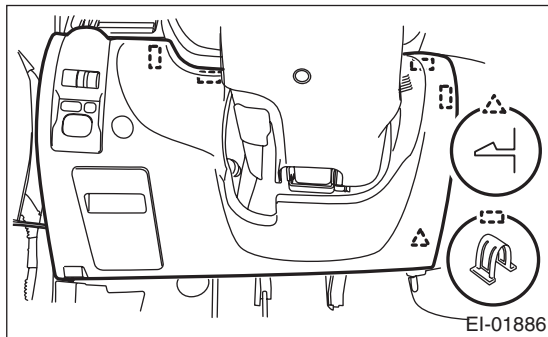
- 1) Disconnect the ground cable from the battery.
- 2) Remove the plastic hook (A), and remove the instrument panel side cover LH.



- 3) Remove the screws.



- 4) Disconnect the connectors, and remove the instrument panel lower cover.



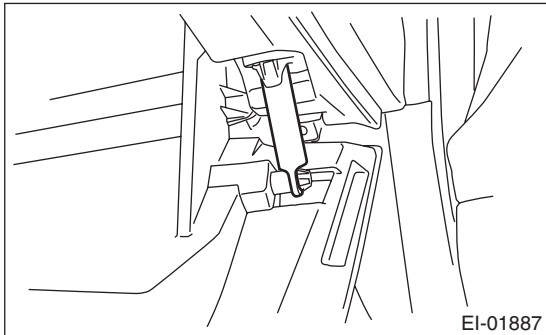
### B: INSTALLATION

Install in the reverse order of removal.

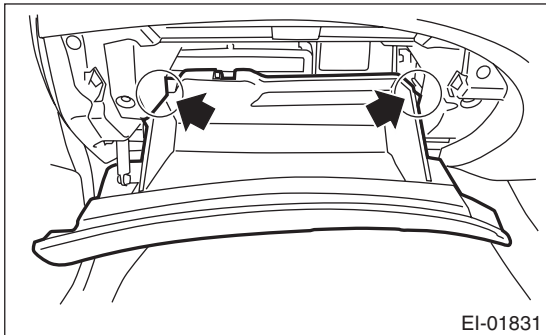
## 15. Glove Box

### A: REMOVAL

- 1) Disconnect the ground cable from the battery.
- 2) Remove the glove box damper.



- 3) Remove the stopper section, and pull out the glove box lid assembly towards yourself.



- 4) Remove the instrument panel lower cover. <Ref. to EI-46, INSTRUMENT PANEL LOWER, REMOVAL, Center Console.>

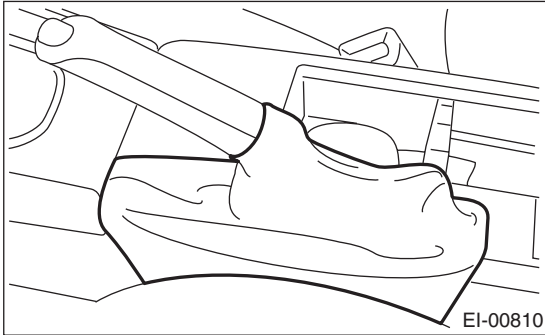
### B: INSTALLATION

Install in the reverse order of removal.

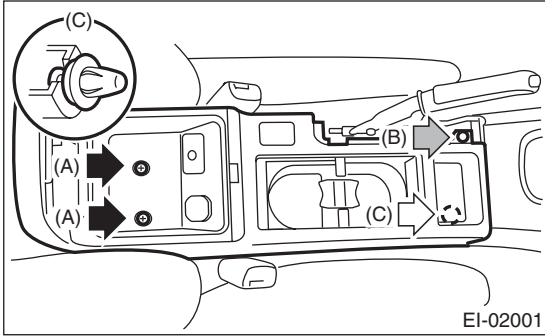
## 16. Console Box

### A: REMOVAL

- 1) Disconnect the ground cable from the battery.
- 2) Remove the parking brake lever boot.



- 3) Remove the bolt (A), screw (B) and clip (C).



- 4) Disconnect the connector, and remove the console box.

### B: INSTALLATION

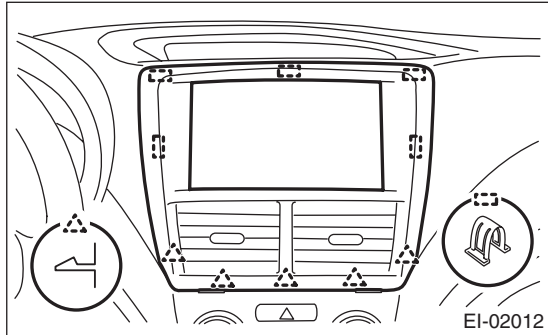
Install in the reverse order of removal.

## 17.Center Console

### A: REMOVAL

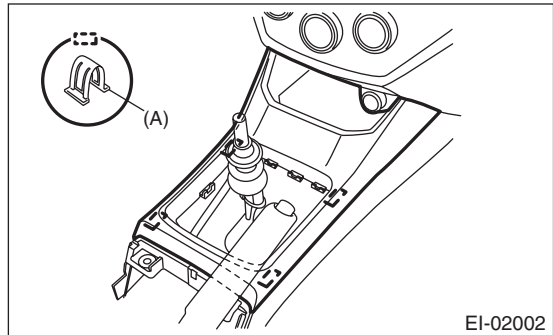
#### 1. CENTER PANEL

- 1) Insert the lower slit of center panel to plastic clip remover and then lift up the panel.
- 2) Remove the claws and plastic hook and then remove the center panel.



#### 2. CONSOLE FRONT PANEL

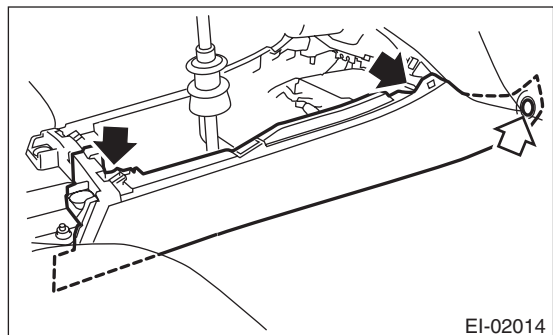
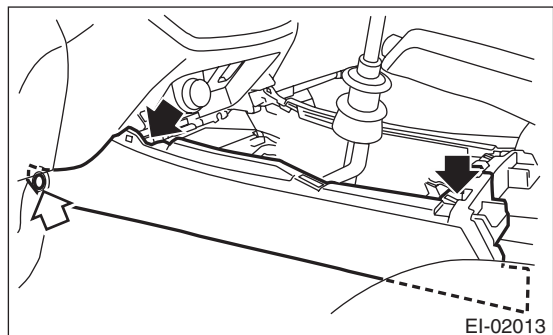
- 1) Remove the console box. <Ref. to EI-43, REMOVAL, Console Box.>
- 2) Remove the shift knob.
- 3) Remove the plastic hook (A), and then lift up the console front panel.
- 4) Disconnect the connector and then remove the console front panel.



#### NOTE:

When removing the console front panel, pull it in the direction of the rear vehicle.

- 5) Remove the screws and clip to remove the console side cover.



#### NOTE:

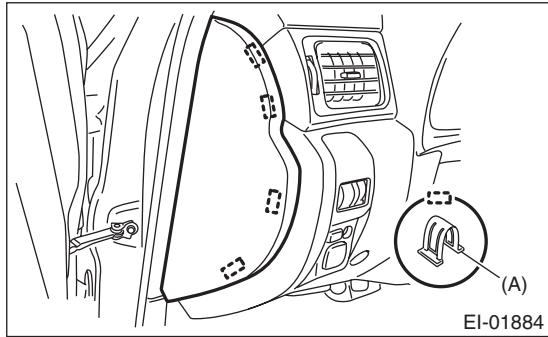
Pull it in the direction of the rear vehicle.

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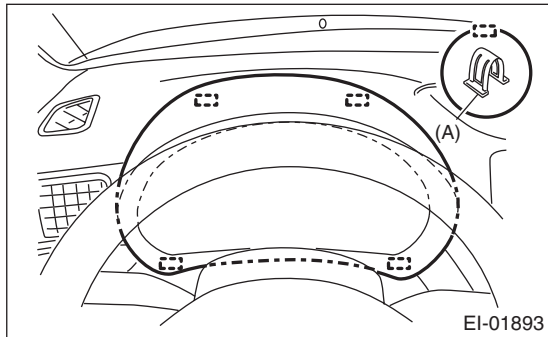
## 3. ORNAMENT PANEL

### • DRIVER'S SIDE

1) Remove the plastic hook (A), and then remove the instrument panel side cover LH.



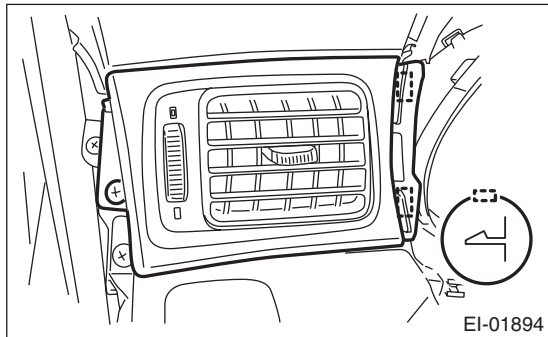
2) Remove the plastic hook (A), and then remove the meter visor.



#### NOTE:

Remove the plastic hook which located in lower side of meter visor, pull it towards you.

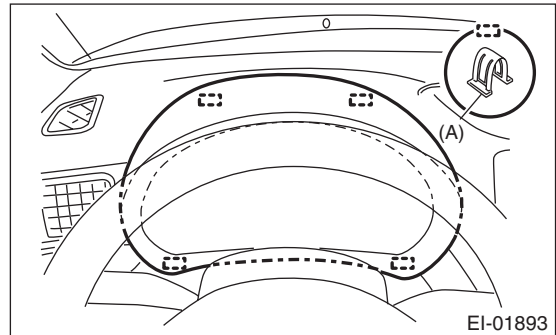
3) Loosen the screws, and then remove the claws and ornament panel LH.



### • PASSENGER'S SIDE

1) Remove the instrument panel lower cover. <Ref. to EI-41, REMOVAL, Instrument Panel Lower Cover.>

2) Remove the plastic hook (A), and then remove the meter visor.

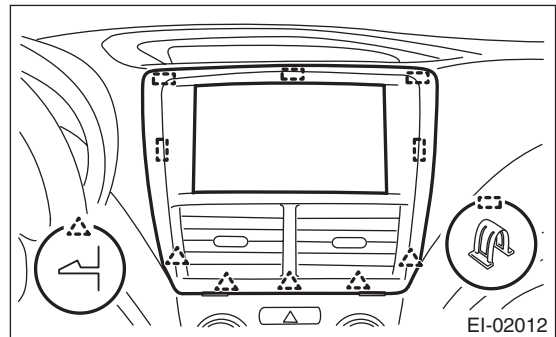


#### NOTE:

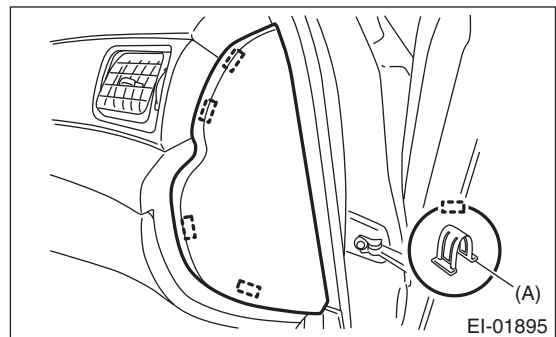
Remove the plastic hook which located in lower side of meter visor, pull it towards you.

3) Insert the lower slit of center panel to plastic clip remover and then lift up the panel.

4) Remove the claws and plastic hook and then remove the center panel.



5) Remove the plastic hook (A), and then remove the instrument panel side cover RH.

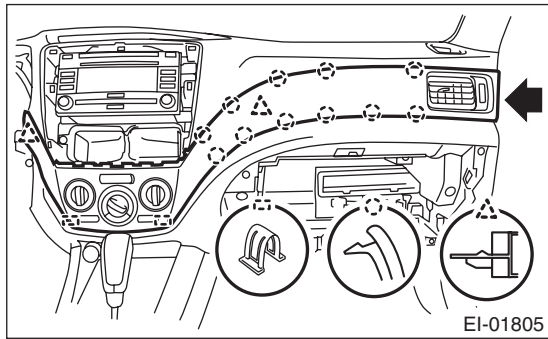


# Center Console

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## EXTERIOR/INTERIOR TRIM

6) Loosen the screws, and then remove the plastic hooks and ornament panel RH.



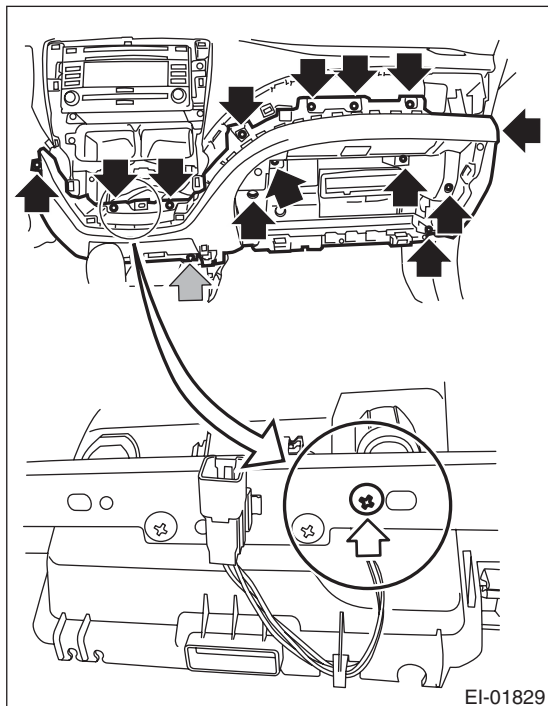
7) Disconnect the connector.

### 4. INSTRUMENT PANEL LOWER

- 1) Remove the console box. <Ref. to EI-43, REMOVAL, Console Box.>
- 2) Center panel <Ref. to EI-44, CENTER PANEL, REMOVAL, Center Console.>
- 3) Console front panel <Ref. to EI-44, CONSOLE FRONT PANEL, REMOVAL, Center Console.>
- 4) Remove the ornament panel RH. <Ref. to EI-45, ORNAMENT PANEL, REMOVAL, Center Console.>
- 5) Remove the instrument panel lower cover. <Ref. to EI-41, REMOVAL, Instrument Panel Lower Cover.>
- 6) Remove the glove box lid. <Ref. to EI-41, REMOVAL, Instrument Panel Lower Cover.>
- 7) Remove the screws and nuts, and then remove the instrument panel lower.

#### NOTE:

White arrowed screw is tightened at backside of the panel.



### B: INSTALLATION

Install in the reverse order of removal.

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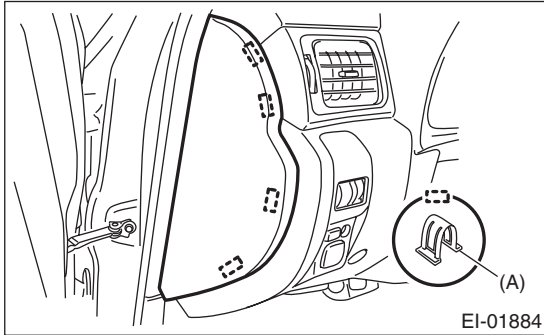
## 18. Instrument Panel Assembly

### A: REMOVAL

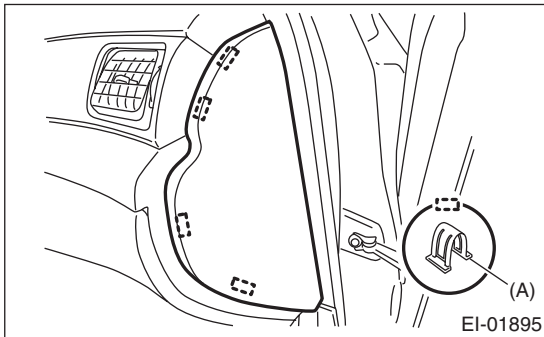
#### CAUTION:

Be careful not to damage the airbag system harness when servicing the instrument panel. Damage may cause the system to malfunction.

- 1) Disconnect the ground cable from the battery.
- 2) Remove the front pillar upper trim. <Ref. to EI-50, REMOVAL, Upper Inner Trim.>
- 3) Remove the plastic hook (A), and then remove the instrument panel side cover LH.



- 4) Remove the plastic hook (A), and then remove the instrument panel side cover RH.



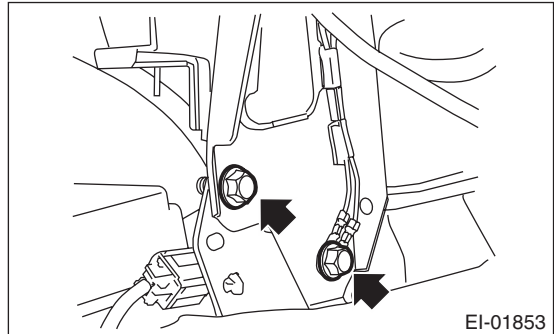
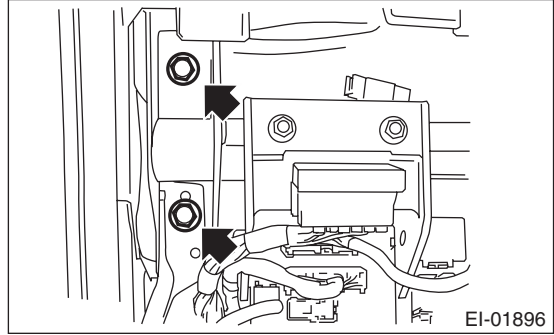
Remove the console box. <Ref. to EI-43, REMOVAL, Console Box.>

- 5) Console front panel <Ref. to EI-44, CONSOLE FRONT PANEL, REMOVAL, Center Console.>
- 6) Remove the instrument panel lower cover. <Ref. to EI-41, REMOVAL, Instrument Panel Lower Cover.>
- 7) Remove the steering shaft assembly. <Ref. to PS-15, REMOVAL, Steering Column.>
- 8) Disconnect the connector.

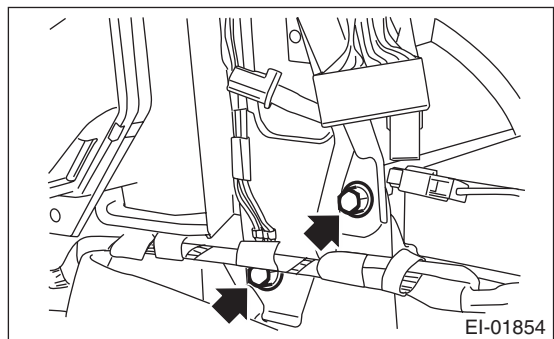
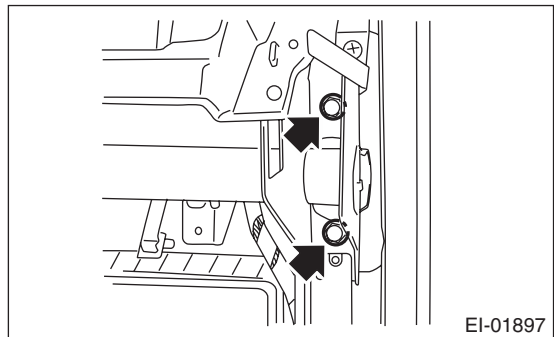
#### NOTE:

If necessary, make alignment marks for easy reassembly.

- 9) Remove the driver's side bolts and fuse box.



- 10) Remove the bolt of passenger's side.



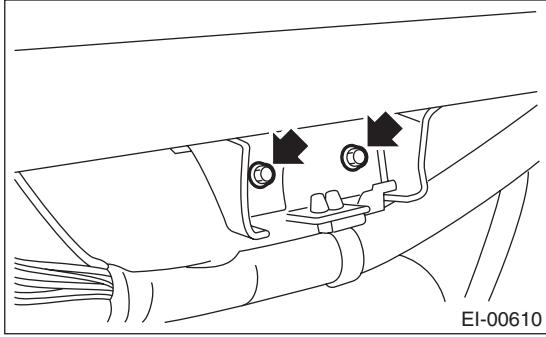
- 11) Make sure that the connectors are disconnected, and remove the instrument panel from the vehicle.
- 12) Remove the combination meter assembly. <Ref. to IDI-13, REMOVAL, Combination Meter.>
- 13) Remove the audio. <Ref. to ET-6, REMOVAL, Audio.>
- 14) Remove the GPS antenna. <Ref. to ET-13, REMOVAL, GPS Antenna.>
- 15) Remove the heater vent duct. <Ref. to AC-38, REMOVAL, Heater Vent Duct.>

# Instrument Panel Assembly

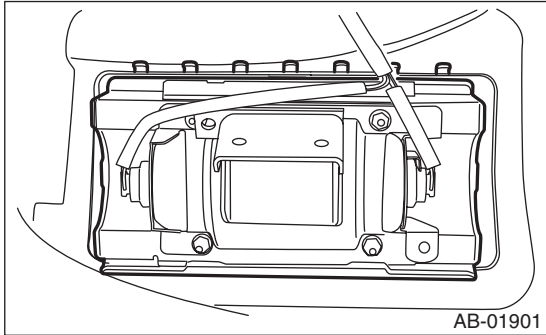
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## EXTERIOR/INTERIOR TRIM

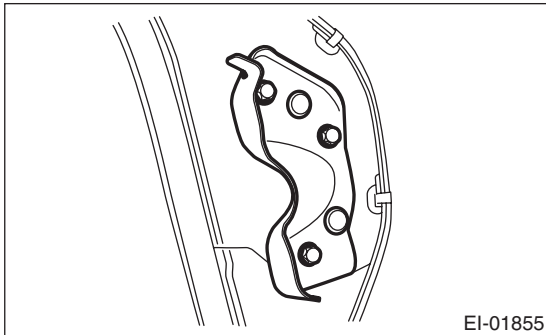
16) Remove the bolts securing the passenger's side airbag module to the steering support beam.



17) Remove the claw, and remove the passenger's airbag module.



18) Remove the steering support beam bracket.



## B: INSTALLATION

1) Attach each part in the reverse order of disassembly, until the instrument panel assembly is formed.

### NOTE:

How to install insulator and pad;

- Adhesive

Use polyurethane adhesive. When assembling the instrument panel assembly, wait until the adhesive has evaporated to prevent filling of the smell in the compartment.

- Double-sided tape

Use commercial double-sided tape. (Use strong double-sided adhesive tape.)

2) Insert the matching pins (3 locations) on the body side, into the instrument panel assembly.

3) Check that the matching pins are inserted securely, and then route the harness.

4) Install in the reverse order of removal.

### Tightening torque:

**25 N·m (25.5 kgf-m, 18.4 ft-lb)**

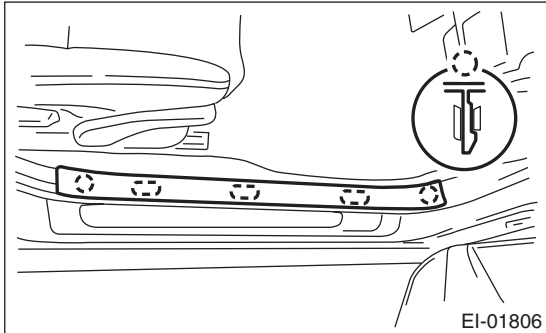


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## 19. Lower Inner Trim

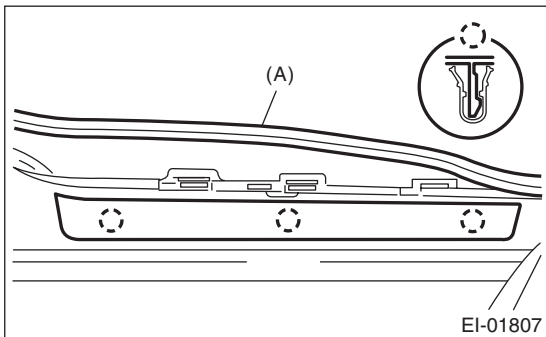
### A: REMOVAL

1) Remove the hook, and remove the inside scuff plate.

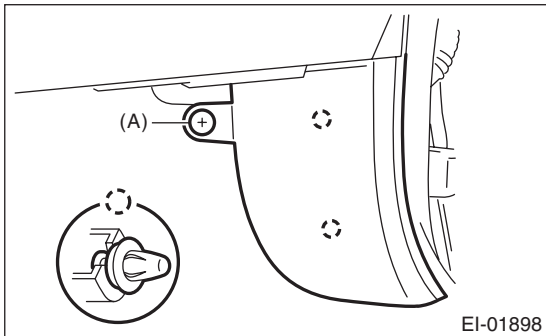


**CAUTION:**  
 Do not pull forcefully. There is the possibility of the scuff plate being damaged.

2) Remove the door molding (A), and remove the outside scuff plate.

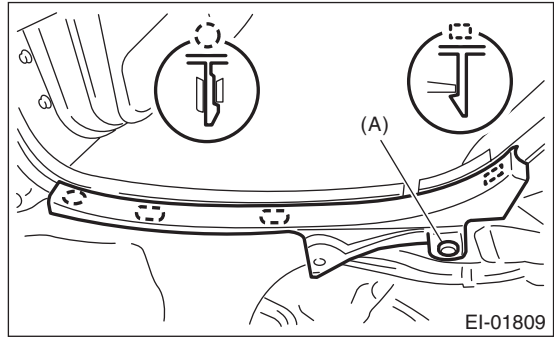


3) Remove clip (A), and remove the front pillar lower trim.



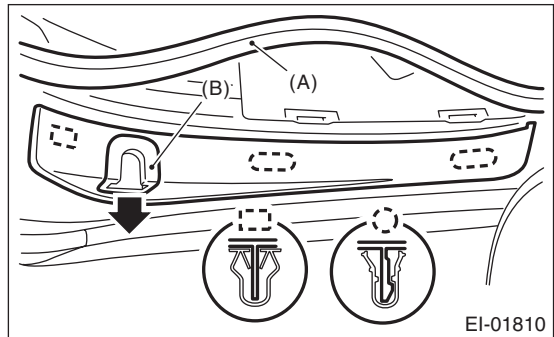
4) Remove the rear seat cushion. <Ref. to SE-11, REMOVAL, Rear Seat.>

5) Remove clip (A), and remove the inside scuff plate.

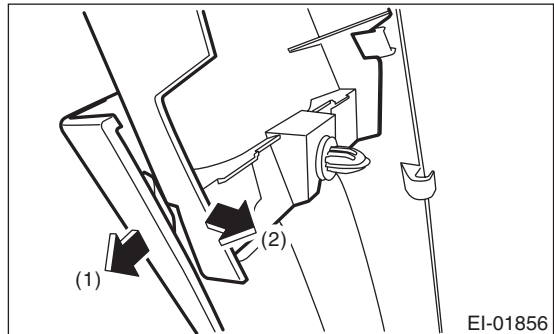


**CAUTION:**  
 Do not pull forcefully. There is the possibility of the scuff plate being damaged.

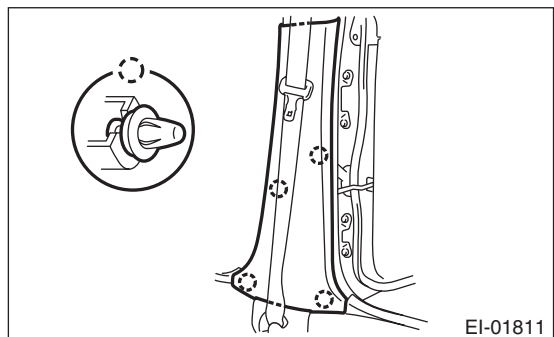
6) Remove door molding (A) and door catcher cover (B), then remove the outside scuff plate.



7) Pull the upper trim and then remove the lower trim claw while expanding it.



8) Remove the clips of the center pillar lower trim.



### B: INSTALLATION

Install in the reverse order of removal.

# Upper Inner Trim

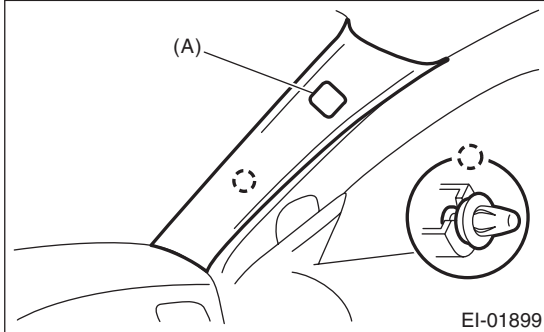
EXTERIOR/INTERIOR TRIM

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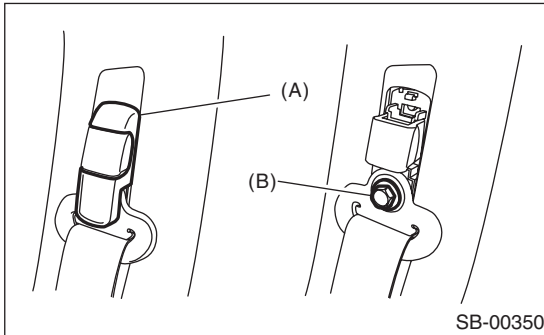
## 20. Upper Inner Trim

### A: REMOVAL

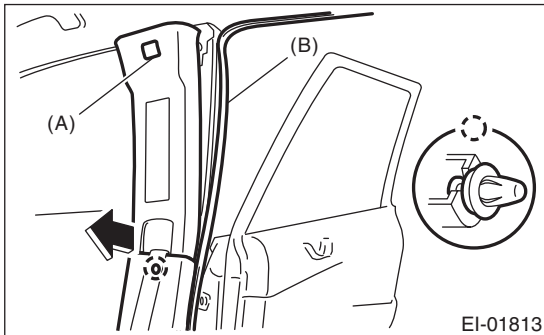
- 1) Remove the cap (A) on the upper side of the pillar trim, and remove the bolt inside.
- 2) Remove the front pillar upper trim.



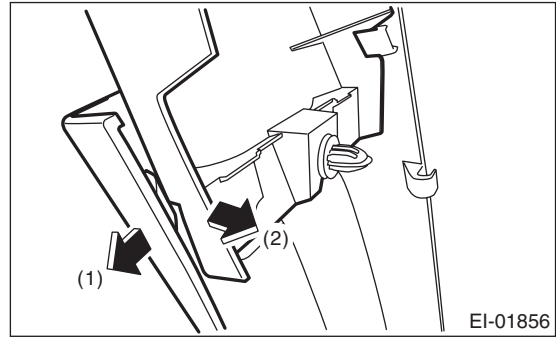
- 3) Remove the front inside scuff plate, rear inside scuff plate and center pillar lower trim. <Ref. to EI-49, REMOVAL, Lower Inner Trim.>
- 4) Remove anchor bolt (A).
- 5) Loosen the shoulder anchor bolt (B), and then detach the shoulder anchor from center pillar.



- 6) Remove the cap (A) on the upper side of the pillar trim, and remove the bolt inside.
- 7) Remove the weather strip (B).
- 8) Remove the upper trim clip of the center pillar along with lower trim, pull it straight out.



- 9) Pull the upper trim and then remove the lower trim claw while expanding it.



### B: INSTALLATION

Install in the reverse order of removal.

#### **Tightening torque**

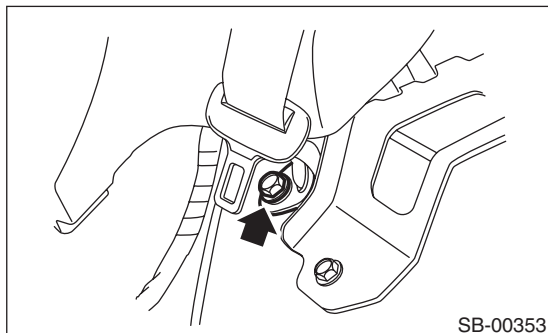
**7.5 N-m (0.76 kgf-m, 5.5 ft-lb)**

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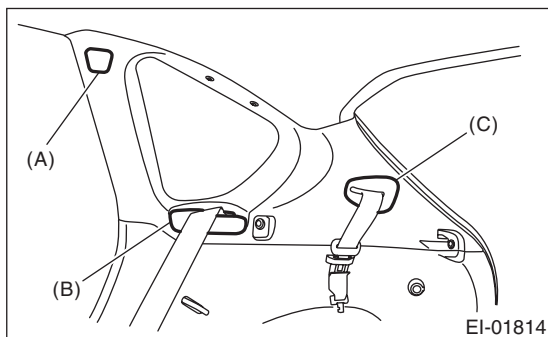
## 21. Rear Quarter Trim

### A: REMOVAL

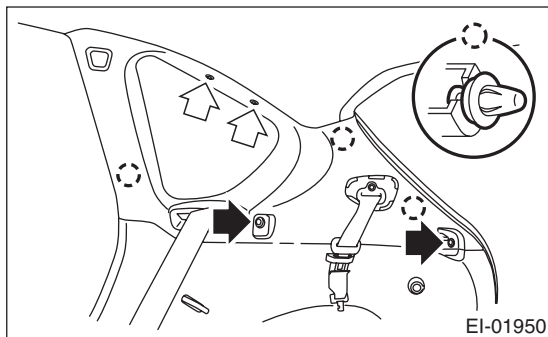
- 1) Remove the rear seat. <Ref. to SE-11, REMOVAL, Rear Seat.>
- 2) Remove the seat belt lower anchor bolt.



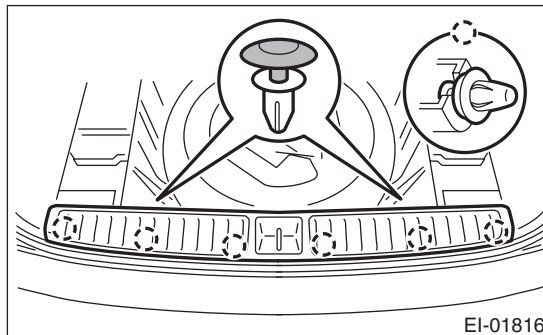
- 3) Remove the cap (A) on the upper side of the rear quarter trim, and remove the bolt inside.
- 4) Remove the side belt cover (B).
- 5) Remove the rear belt cover (C) and then remove the anchor bolt inside.



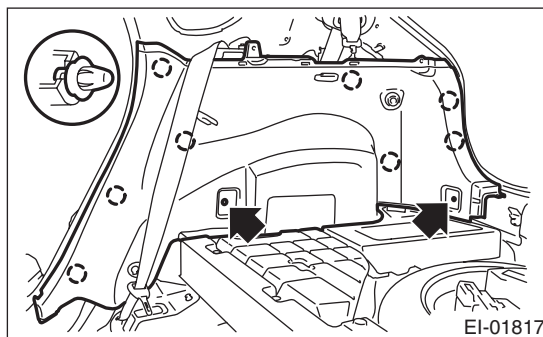
- 6) Remove the clips and screws to remove the rear quarter upper trim.



- 7) Remove the luggage room end cover.



- 8) Remove the bolts to remove the rear quarter lower trim.



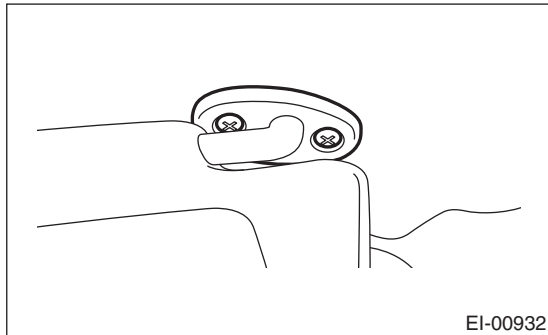
### B: INSTALLATION

Install in the reverse order of removal.

## 22.Sun Visor

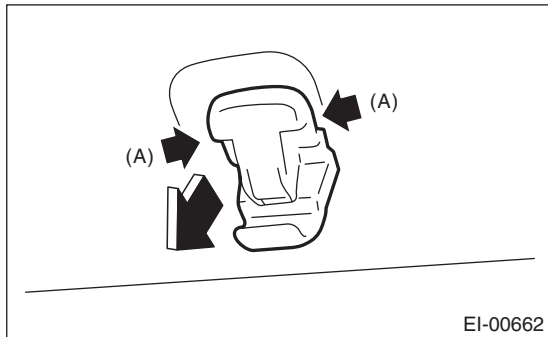
### A: REMOVAL

1) Loosen the attachment screws and remove the sun visor.



2) Disconnect the connector. (Model with vanity mirror light)

3) While pressing the (A) on the both side using flat tip screwdriver, pull the sun visor hook to remove it.



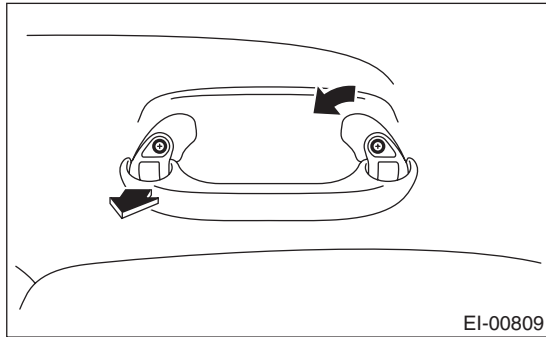
### B: INSTALLATION

Install in the reverse order of removal.

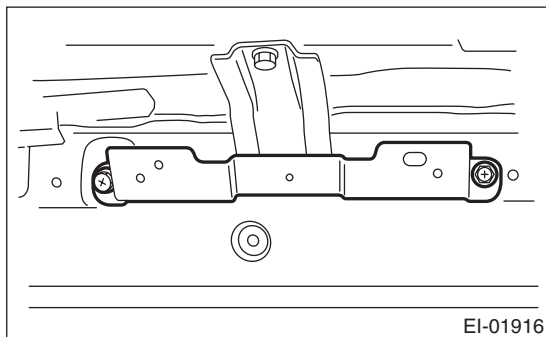
## 23. Assist Grip

### A: REMOVAL

- 1) Remove the screw cover, and remove the screw inside.
- 2) Pull the left side of assist grip, and rotate the right side of it counterclockwise to remove.



- 3) Remove the roof trim. <Ref. to EI-54, REMOVAL, Roof Trim.>
- 4) Remove the bolts, and remove the assist grip bracket.



### B: INSTALLATION

Install in the reverse order of removal.

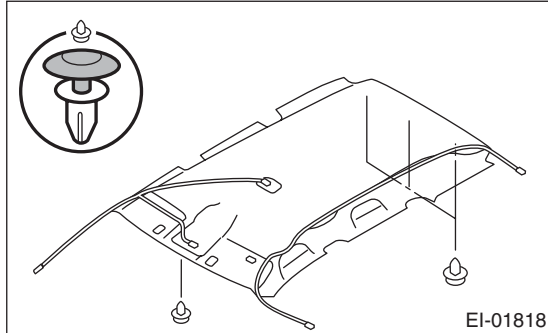
#### ***Tightening torque***

***7.5 N·m (0.76 kgf·m, 5.5 ft·lb)***

## 24. Roof Trim

### A: REMOVAL

- 1) Disconnect the ground cable from the battery.
- 2) Remove the spot map light. <Ref. to LI-31, REMOVAL, Spot Map Light.>
- 3) Remove the room light. <Ref. to LI-32, REMOVAL, Room Light.>
- 4) Remove the sun visor. <Ref. to EI-52, REMOVAL, Sun Visor.>
- 5) Remove the assist grip. <Ref. to EI-53, REMOVAL, Assist Grip.>
- 6) Remove the upper inner trim. <Ref. to EI-50, REMOVAL, Upper Inner Trim.>
- 7) Remove the rear quarter trim. <Ref. to EI-51, REMOVAL, Rear Quarter Trim.>
- 8) Disconnect the harness connector between front pillar and rear quarter (LH).
- 9) Remove the clips, and then remove the roof trim.



### CAUTION:

**Do not remove the roof end trim with excessive force. Otherwise the roof trim may become damaged. Roof trim and roof end trim are fastened by rivets.**

### B: INSTALLATION

Install in the reverse order of removal.

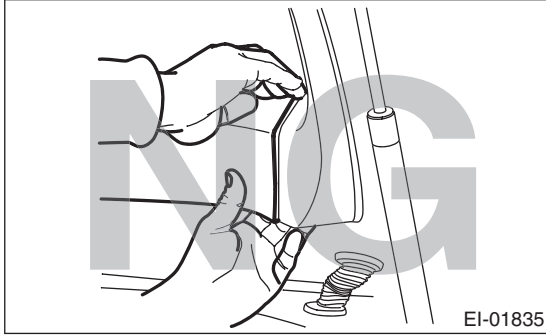
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## 25.Rear Gate Trim

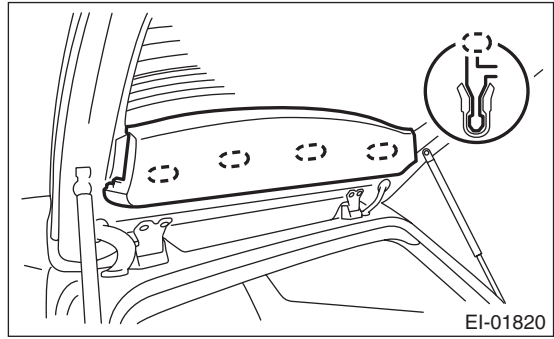
### A: REMOVAL

**CAUTION:**

When removing the upper trim of the rear gate and pillar trim, do not pull forcefully. There is the possibility of the trim being damaged.

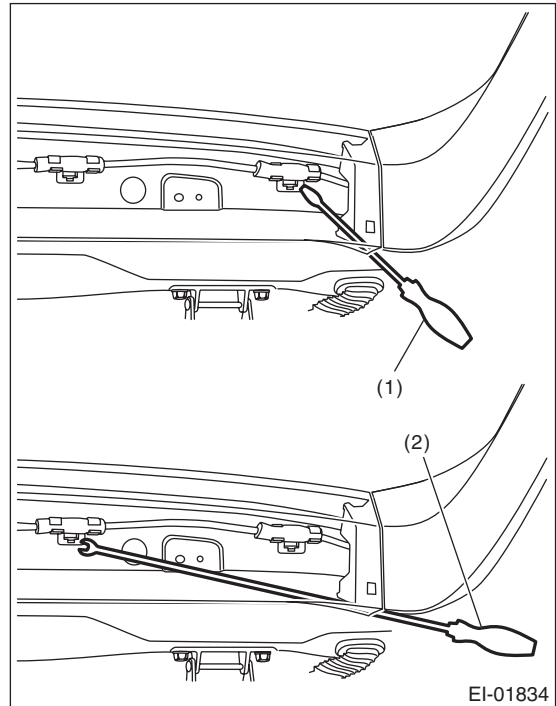


- 1) Remove the clips, and remove the rear gate upper trim.



**CAUTION:**

According the following procedures, removing trim. There is the possibility of the trim being damaged. Remove the trim claws using the flat tip screwdriver (1) and clip remover (2).



1. Remove the trim claws using the flat tip screwdriver (1).
2. Remove the trim claws using the clip remover (2).

**Tools**

*Flat tip screwdriver: Axle length 100 mm*

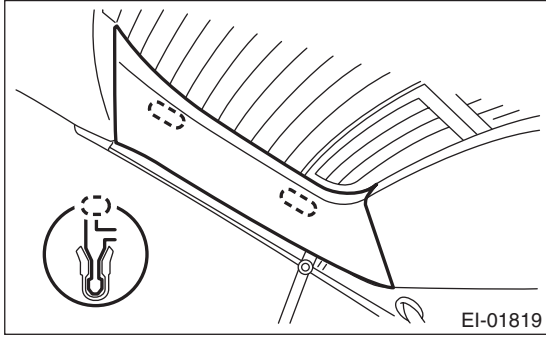
*Clip remover: KTC AP20L-10B*

# Rear Gate Trim

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## EXTERIOR/INTERIOR TRIM

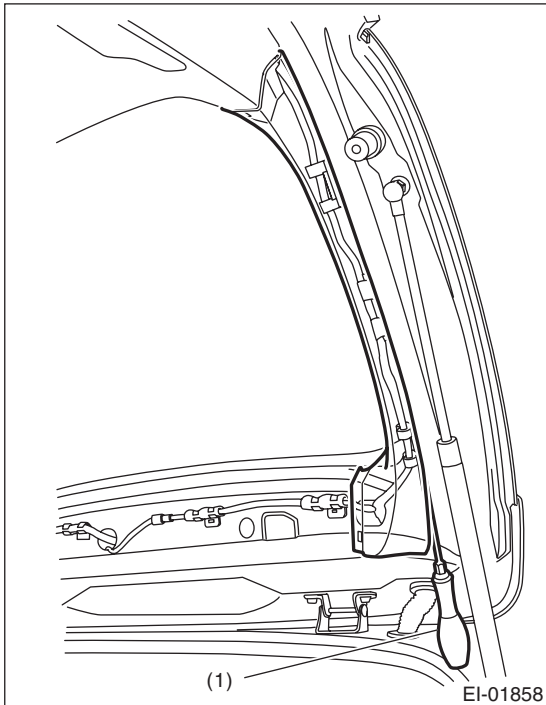
2) Remove the trim claws and then remove the rear gate pillar trim using the flat tip screwdriver.



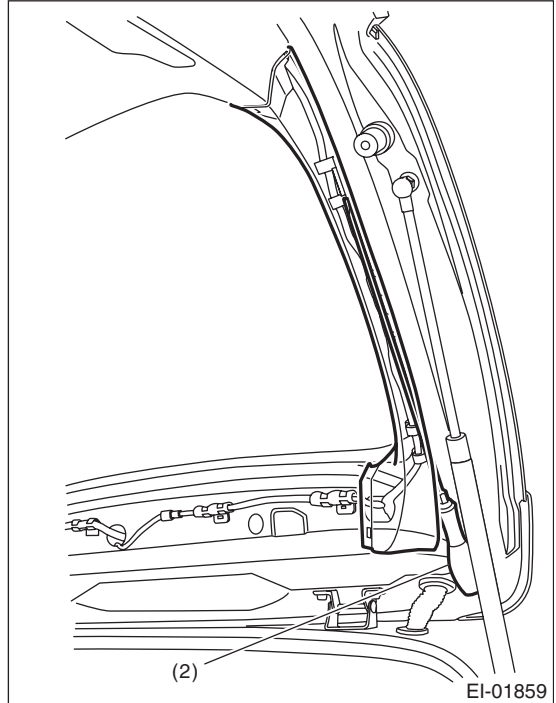
### CAUTION:

According to the following procedures, removing trim. There is the possibility of the trim being damaged.

1. Insert the flat tip screwdriver (1) as shown in the figure, and then remove the trim claws.



2. Insert the flat tip screwdriver (2) as shown in the figure, and then remove the trim claws.

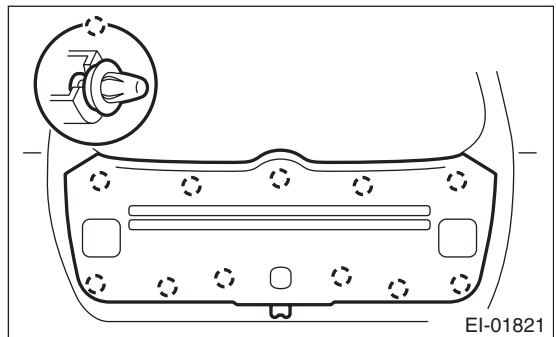


### Tools

**Flat tip screwdriver (1): Axle length 100 mm**

**Flat tip screwdriver (2): Axle length 290 mm**

3) Remove the clips, and then remove the rear gate lower trim.



## B: INSTALLATION

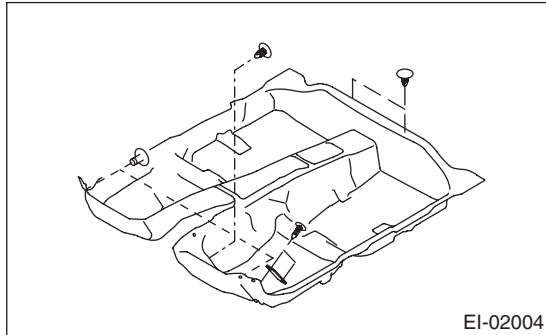
Install in the reverse order of removal.



## 26. Floor Mat

### A: REMOVAL

- 1) Remove the front seats. <Ref. to SE-6, REMOVAL, Front Seat.>
- 2) Remove the rear seat cushion. <Ref. to SE-11, REMOVAL, Rear Seat.>
- 3) Remove the console box. <Ref. to EI-43, Console Box.>
- 4) Remove the console side panel. <Ref. to EI-44, REMOVAL, Center Console.>
- 5) Remove the lower inner trim. <Ref. to EI-49, REMOVAL, Lower Inner Trim.>
- 6) Remove the clips from the floor mat.
- 7) Remove the mat hook on both sides.
- 8) Remove the mat from toe board area.
- 9) Remove the mat from rear heater duct.
- 10) Roll the mat, and then take it out of opened rear door.



### B: INSTALLATION

Install in the reverse order of removal.

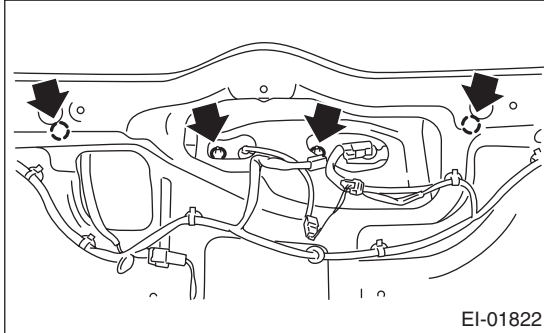
#### NOTE:

- Secure the mat firmly with hook and clip.
- Insert the mat edge firmly into the groove of side sill cover.

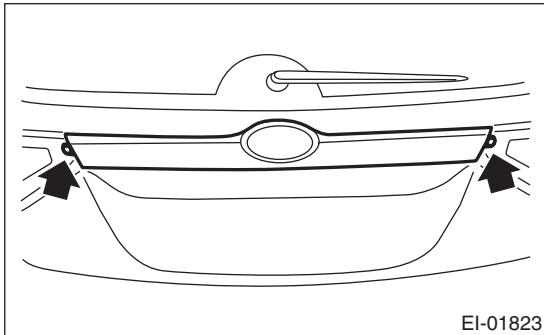
## 27. Rear Gate Garnish

### A: REMOVAL

- 1) Remove the rear gate trim. <Ref. to EI-55, REMOVAL, Rear Gate Trim.>
- 2) Remove the rear wiper motor. <Ref. to WW-19, Rear Wiper Motor.>
- 3) Remove the rear finisher light. <Ref. to LI-27, REMOVAL, Rear Finisher Light Assembly.>
- 4) Disconnect the connector of rear gate opener switch.
- 5) Remove the nuts.



- 6) Remove clips (A), and remove the rear gate garnish.



### B: INSTALLATION

#### CAUTION:

Make sure the harness grommet is installed to the groove securely.

Improper installing may cause the water leakage.

Install in the reverse order of removal.

#### Tightening torque:

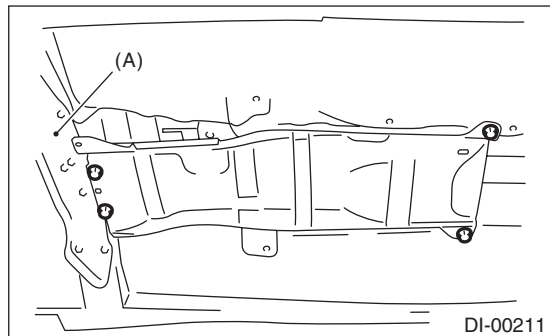
**7.5 N·m (0.76 kgf·m, 5.5 ft·lb)**

## 28. Heat Shield Cover

### A: REMOVAL

#### 1. FRONT HEAT SHIELD COVER

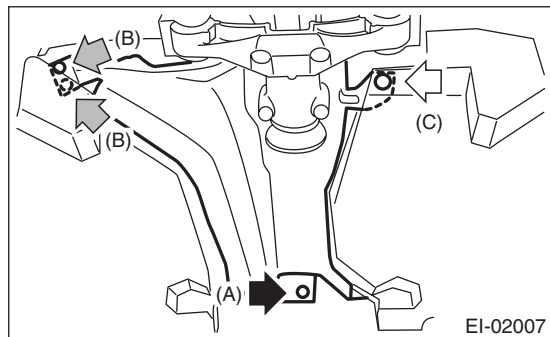
Remove the four bolts to remove the front heat shield cover.



(A) Transmission mount

#### 2. CENTER HEAT SHIELD COVER

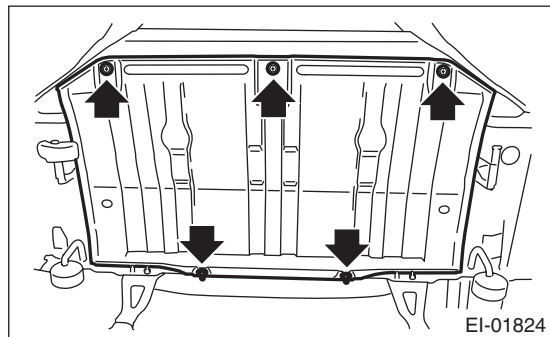
Remove the bolt (A), nut (B) and clip (C) and then center heat shield cover.



#### 3. REAR HEAT SHIELD COVER

1) Remove the muffler. <Ref. to EX(STI)-14, REMOVAL, Muffler.>

2) Remove the bolts to remove the rear heat shield cover.



### B: INSTALLATION

Install in the reverse order of removal.

#### Tightening torque:

Refer to "COMPONENT" of "General Description".

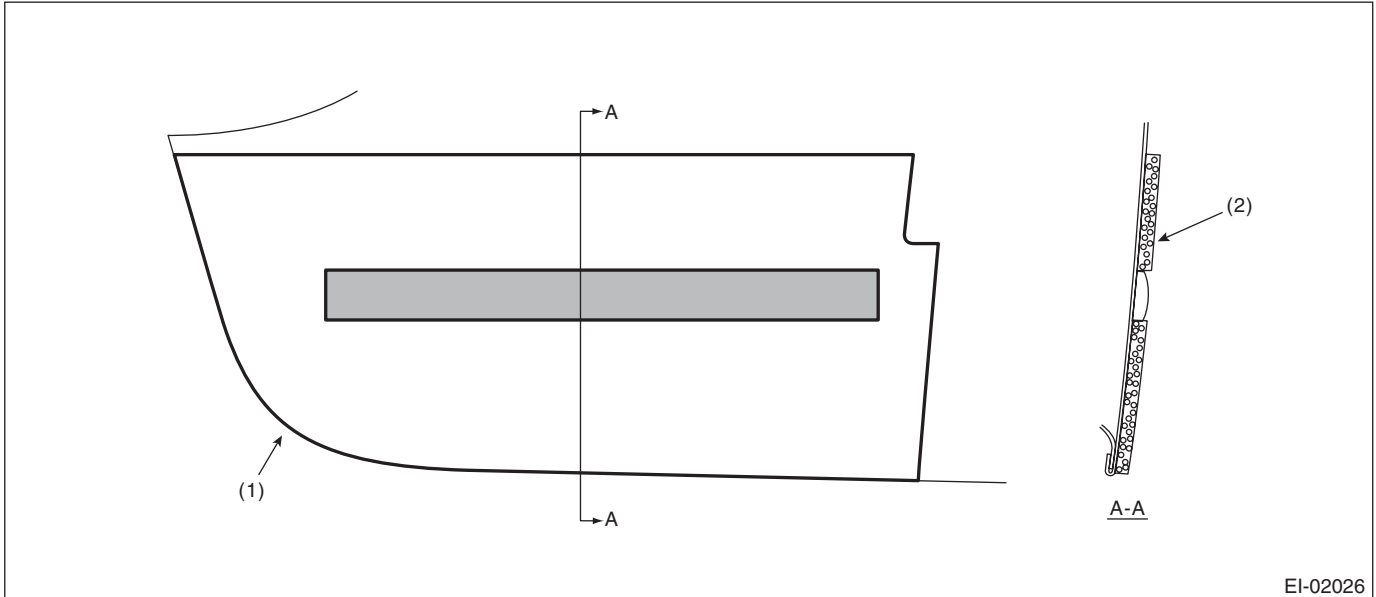
<Ref. to EI-19, HEAT SHIELD COVER, COMPONENT, General Description.>

## 29.Ornament

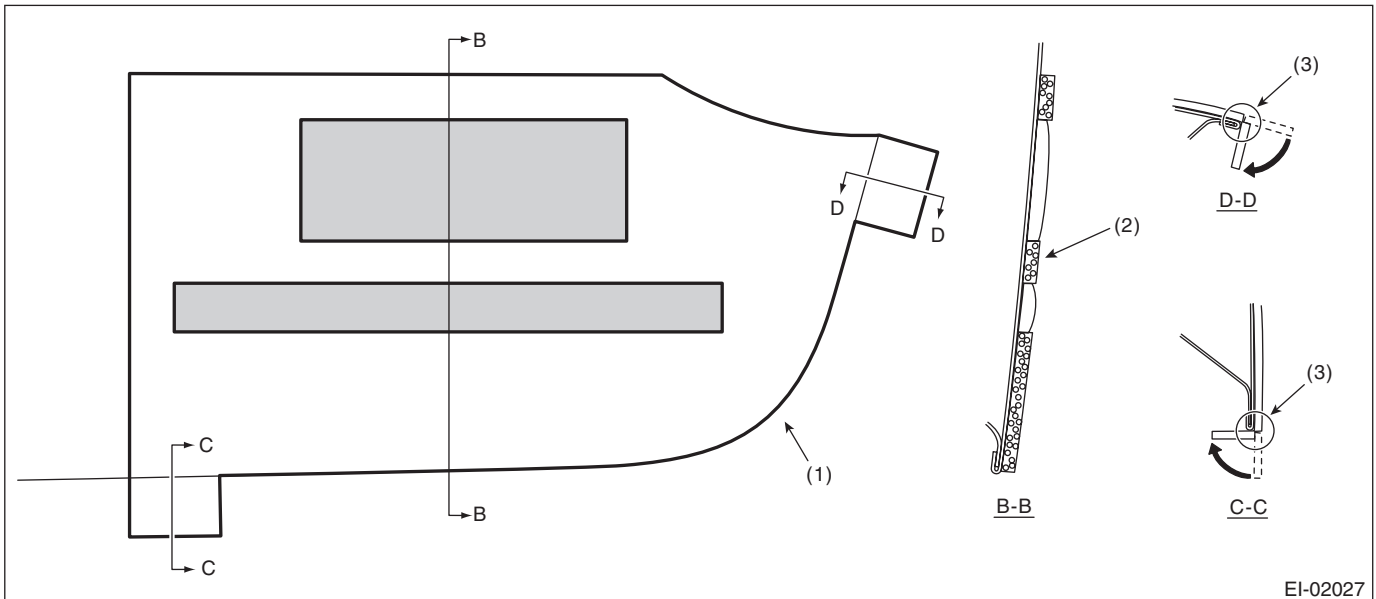
### A: INSTALLATION

#### 1. LETTER MARK

Adhere the letter mark according to the following measurements.



EI-02026



EI-02027

- (1) Apply the edge of application tape by aligning with end of the rear gate panel terminal.
- (2) Application tape
- (3) Fold the application tape aligning with end of the rear gate panel terminal.