

Chapter 8

PAINTING

1. GENERAL PRECAUTIONS
2. PRECAUTIONS FOR USE OF THINNER AND SOLVENTS CONTAINING THINNER
3. COLOR CODE OF TOP COAT PAINT FOR CAB
4. PROPER PRECAUTION OF THE TOP COAT OF PAINT
5. PARTS NOT RESISTANT TO HIGH TEMPERATURE AND THEIR TEMPERATURE LIMIT
6. CAUTIONS FOR FORCED DRYING
7. PARTS AND ALLOWABLE HEAT LIMIT
8. HOW TO REMOVE AND REINSTALL THE PARTS OF THE HOOD AND CAB
9. WEATHER STRIP INSTALLATION
10. HANDLING OF ELECTRONIC CONTROL UNIT (ECU)
11. PRECAUTIONS FOR PAINTING THE WHEELS
12. PRECAUTION FOR INSTALLING WHEEL ONTO THE VEHICLE

1. GENERAL PRECAUTIONS

When treating the finishing coats of paint on the cab and other parts, the following points must be observed.

The parts to be masked

The parts which are not to be painted such as the top mark, ornaments, name plates and caution labels should be thoroughly masked.

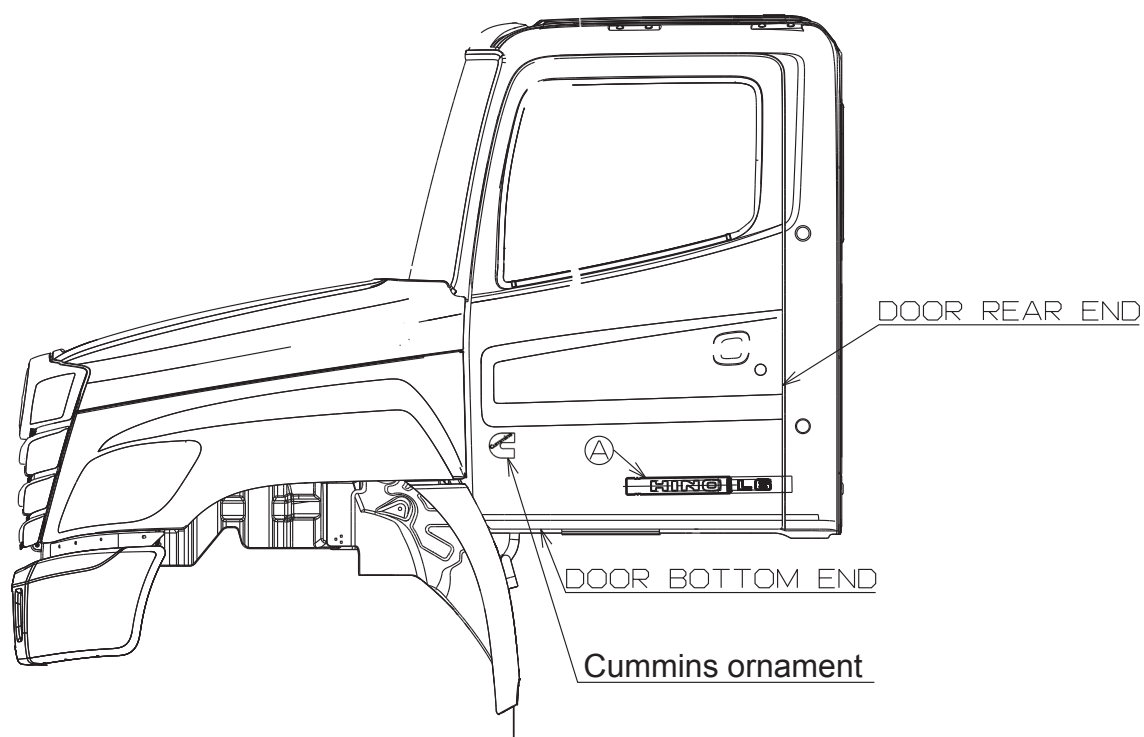
(See the figure below about ornaments position.)

DEF - SCR system, the electric wiring connections, batteries, hoses and brake nylon tubes should be covered properly to prevent them from being covered with paint.

Strictly avoid painting rubber hoses and brake pipes including nylon tubes.

Use detergent to clean the inside of cab if needed.

Never use a thinner because it melts the paint. For details, refer to the "Cautions for use thinner and solvents containing thinner".



| | | |
|-----|----|---|
| (A) | | |
| L6 | L7 | - |

2. PRECAUTIONS FOR USE OF THINNER AND SOLVENTS CONTAINING THINNER


Principally no painting should be done on the chassis frame as important parts subject to easy chemical change, like brake hoses, nylon tubes, electric harness coupling, etc., are installed there.

Painting of cab and body

The following parts are damaged by thinner, and when thinner or solvent containing thinner is to be used at the time of painting a cab and a body, attention must be paid to the following items.

- The parts shown “Relevant parts damaged by thinner” in the described hereinafter must be masked.
- If paint etc. should get onto the parts shown in the table, always use kerosene to wipe it off. Do not use thinner or solvents containing thinner.
- As removal with kerosene takes time, always pay attention to positive masking before the start of painting.
- When parts are removed for painting, they must be reinstalled correctly afterwards. The manufacturer (Hino) is not responsible for any concerns caused by defective installation.

Relevant parts damaged by thinner

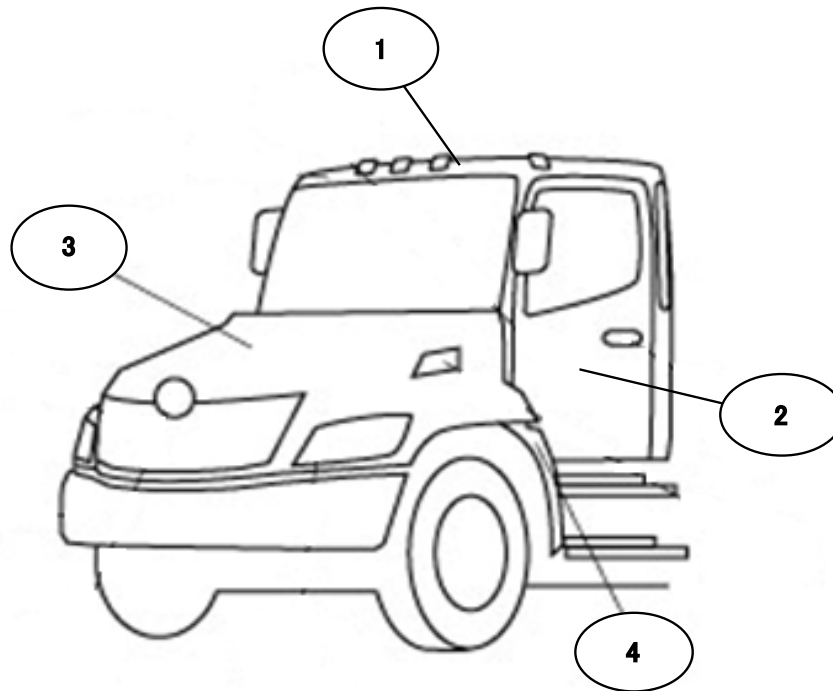
| No. | Part name | Remarks | Material |
|-----|--------------------------------|---|----------|
| 1 | Emblem | Hino  mark | P |
| 2 | Head lamp | | P |
| 3 | Clearance lamp | Installed on both sides of the cab roof | P |
| 4 | Identification lamp | Installed on the center of the cab roof | P |
| 5 | Side turn lamp | At the front hood | P |
| 6 | Rear combination lamp | | P |
| 7 | Licence plate lamp | Built-in rear combination lamp | P |
| 8 | Back-up lamp | Built-in rear combination lamp | P |
| 9 | Sedimenter body | Engine room | P |
| 10 | Fender | | P |
| 11 | Splash board | | P |
| 12 | Grille radiator | | P |
| 13 | Cooling fan | Engine parts | P |
| 14 | Battery (indicator parts) | Indicator for liquid level check | P |
| 15 | Mudguard (front) | | R |
| 16 | Rubber parts | All rubber parts including air intake system hoses | R |
| 17 | Outside of the cab | | S |
| 18 | Front bumper | | S |
| 19 | Caution plates | | O |
| 20 | Washer nozzle | At the front cowl | P |
| 21 | Wiper blade | | R |
| 22 | Wiper cap | Pivot cover | R |
| 23 | Front hood | | P |
| 24 | Outside mirror bracket & cover | At the mirror bracket | P |
| 25 | Outside mirror | | P |
| 26 | Nylon tubes for brake piping | For model NJ (L6+Air) and NV (L7+Air) | P |
| 27 | Rear ventilation cover | At the right side of cab rear | P |
| 28 | Air intake cover | At the left side of front hood | P |
| 29 | Washer tank | | P |
| 30 | Handle, door outside | | P |
| 31 | Front spoiler | | P |

[NOTE] P: Plastic } When thinner etc. is used, breaking and cracking etc.
 R: Rubber } can be caused.
 S: As these are painted steel plate, the luster is lost when thinner etc. is used.
 O: The writing disappears when thinner etc. is used.

3. COLOR CODE OF TOP COAT PAINT FOR CAB

HINO provided the paint color code as following table.

| Paint Color | Color Code | Parts |
|---------------|------------|--|
| White | HVJ | 1. Roof 2. Door 3. Hood 4. Fender |
| Black | 202 | |
| Hino Red | C31 | |
| Penske Yellow | C52 | |
| Blueish Gray | C17 | |



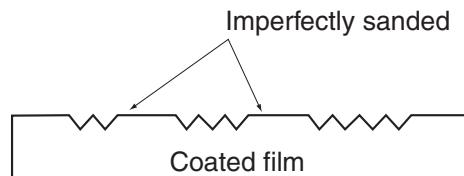
4. PROPER PRECAUTION OF THE TOP COAT OF PAINT

To make sure that the top coat of paint adheres well, you must sand the original top coat carefully.

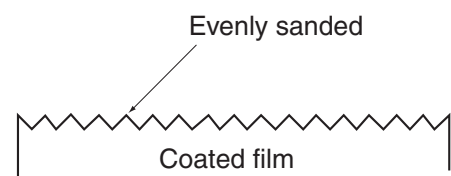
Make sure that the sanding is even and complete.

When you have finished sanding, carefully dust off the shavings.

SANDING (BAD SANDING)



(GOOD SANDING)



How to choose top coat paint

Hino recommends urethane-type paints for the top coat, as they have superior rust-prevention properties to lacquer-type paints.

The top coat should be at 30 μm thick and the total paint thickness including undercoat and primers should be at least 80 μm thick.

5. PARTS NOT RESISTANT TO HIGH TEMPERATURE AND THEIR TEMPERATURE LIMIT

There is no particular problem in the case of natural drying because the drying temperature is low.

In the case of forced drying such as drying in an oven, however, drying temperature varies from 80°C (176°F) to 120°C (248°F).

As there are some parts which have no resistance to high temperature, proper measure must be taken to suit the actual condition. For details, refer to the table "Parts and allowable heat limit" described hereinafter.

6. CAUTIONS FOR FORCED DRYING

When you use forced drying, a temperature on the surface of any parts to be painted must be 80°C (176°F) as an upper limit.

Remove plastic and rubber parts especially the front grille, hood, fender, air cleaner, etc., from the vehicle when using forced drying over 80°C (176°F). (Refer to the following figure.)

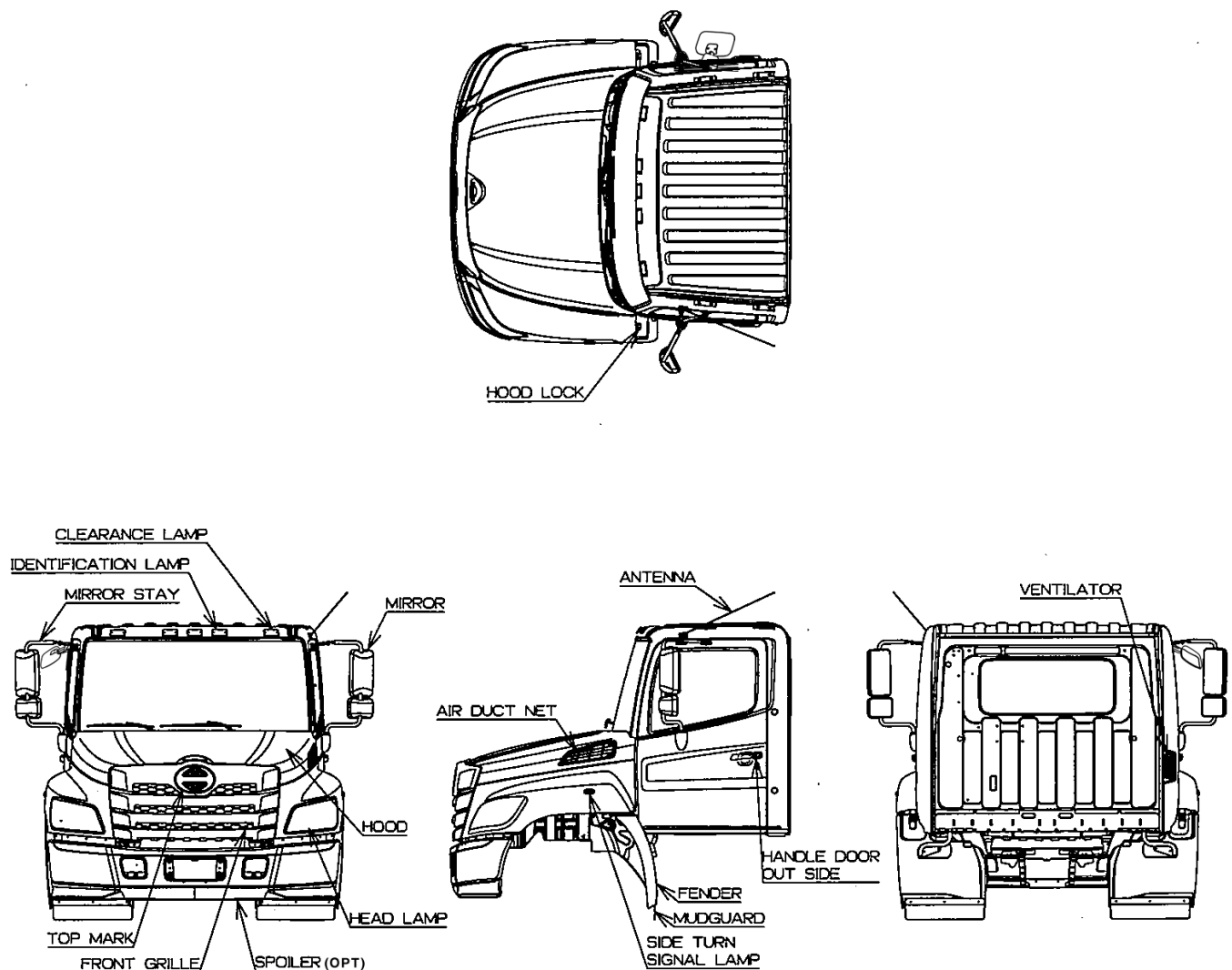
Many plastic parts are used, so please be careful not to forget to remove them.

On a vehicle equipped with air-conditioning whose refrigerant lines are heated at abnormal temperature [more than 100°C (212°F)], a pressure safety valve may function and expel refrigerant gas.

When removing the air-cleaner assy, seal completely the inlet port side of engine to prevent any penetration of dirt, paint or etc.

NON-HEAT RESISTING PARTS AT THE HEATED AIR OF MORE THAN 80°C (176°F)

< Day Cab >



7. PARTS AND ALLOWABLE HEAT LIMIT

Numbers in the table below correspond with those in the following figures.

<INSTRUMENT PANEL ACCESSORY(Automatic Specification)>

| NO. | Part name | Material | Allowable heat limit | |
|-----|--|---------------------------------|----------------------|-----|
| | | | °C | °F |
| 1 | Panel sub-assy, instrument, main | Polypropylene | 80 | 176 |
| 2 | Box, instrument panel, No.1 | Polypropylene | 80 | 176 |
| 3 | Cover sub-assy, instr panel under, No.2 | Polypropylene | 80 | 176 |
| 4 | Panel assy, instrument, lwr No.1 | Polypropylene | 80 | 176 |
| 5 | Panel, instrument side, No.2 | Polypropylene | 80 | 176 |
| 6 | Panel assy, instrument, lwr No.2 | Polypropylene | 80 | 176 |
| 7 | Base, switch hole No.2 | Polypropylene | 80 | 176 |
| 8 | Panel sub-assy, instr cluster finish | Polypropylene | 80 | 176 |
| 9 | Panel, instrument cluster finish, ctr No.1 | ABS | 80 | 176 |
| 10 | Cover, instrument panel box door | Polypropylene | 80 | 176 |
| 11 | Base, switch hole No.1 | Polypropylene | 80 | 176 |
| 12 | Hood sub-assy, meter | Polypropylene | 80 | 176 |
| 13 | Retainer, instr cluster finish panel | ABS | 80 | 176 |
| 14 | Cover, steering column hole | Ethylene vinylacetate copolymer | 80 | 176 |
| 15 | Cover, steering shaft | Polypropylene | 80 | 176 |
| 16 | Cover, steering column, upr | Polypropylene | 80 | 176 |
| 17 | Cover, steering column, lwr | Polypropylene | 80 | 176 |
| 18 | Cover, steering column, lwr No.2 | Polypropylene | 80 | 176 |
| 19 | Ashtray | Phenol formaldehyde resin | 80 | 176 |

ROOF ACCESSORY

| No. | Part name | Material | Allowable heat limit | |
|-----|--|--|----------------------|-----|
| | | | °C | °F |
| 1 | Head lining | Glass fiber reinforced polyurethane + Fabric | 80 | 176 |
| 2 | Sun visor assy, RH | Vinyl chloride + corrugated cardboard | 80 | 176 |
| 3 | Sun visor assy, LH | Vinyl chloride + corrugated cardboard | 80 | 176 |
| 4 | Console assy, over head | Polypropylene | 80 | 176 |
| 5 | Hanger, sun visor | Nylon | 80 | 176 |
| 6 | Dome lamp | Polypropylene | 80 | 176 |
| 7 | Cover, harness / Cover, lane recognition | ABS | 80 | 176 |
| 8 | Head lining FR | Glass fiber reinforced polyurethane + Fabric | 80 | 176 |
| 9 | Head lining RR | Glass fiber reinforced polyurethane + Fabric | 80 | 176 |
| 10 | Hanger, coat | Nylon | 80 | 176 |

DOOR ACCESSORY

| No. | Part name | Material | Allowable heat limit | |
|-----|-------------------------------|-------------------------------------|----------------------|-----|
| | | | °C | °F |
| 1 | Trim sub assy, door inside | Polypropylene | 80 | 176 |
| 2 | Grip assy, door assist | Polypropylene + Steel | 80 | 176 |
| 3 | Arm rest sub assy, door | Polypropylene | 80 | 176 |
| 4 | Seal, fender, door | Rubber | 80 | 176 |
| 5 | Weather strip, door glass run | Rubber | 80 | 176 |
| 6 | Oscillate proof, outer | Rubber | 80 | 176 |
| 7 | Oscillate proof, inner | Rubber | 80 | 176 |
| 8 | Switch, power window | ABS | 80 | 176 |
| | Handle, door regulator | POM | 80 | 176 |
| 9 | Handle, door inside | ABS | 80 | 176 |
| 10 | Case, power window switch | Polypropylene | 80 | 176 |
| 11 | Cover, door assist grip | Polypropylene | 80 | 176 |
| 12 | Panel sub assy, rr door trim | PVC + Polyurethane foam + Hardborad | 80 | 176 |
| 13 | Arm rest assy, door | PVC + Polyurethane foam + Steel | 80 | 176 |
| 14 | Handle, door inside RR | ABS | 80 | 176 |
| 15 | Knob, door lock RR | ABS | 80 | 176 |
| 16 | Grommet, door lock RR | PAM | 80 | 176 |

INSIDE ACCESSORY

| No. | Part name | Material | Allowable heat limit | |
|-----|---------------------------------|--|----------------------|-----|
| | | | °C | °F |
| 1 | Trim sub assy, front pillar | Polypropylene | 80 | 176 |
| 2 | Trim sub assy, quarter pillar | Polypropylene | 80 | 176 |
| 3 | Trim body, rear (UPPER) | Polypropylene | 80 | 176 |
| 4 | Trim body, rear (LOWER) | Polypropylene | 80 | 176 |
| 5 | Hanger, coat | Polypropylene | 80 | 176 |
| 6 | Grip, front pillar inside | Steel | 80 | 176 |
| 7 | Cover, grip, front pillar | Polypropylene | 80 | 176 |
| 8 | Grip, quarter pillar inside | Steel | 80 | 176 |
| 9 | Cover, grip, quarter pillar | Polypropylene | 80 | 176 |
| 10 | Scuff plate | Polypropylene | 80 | 176 |
| 11 | Mat, floor | PVC & Felt | 80 | 176 |
| 12 | Box assy, parking brake console | Polypropylene | 80 | 176 |
| 13 | Quarter pillar G/N | Glass fiber reinforced polyurethane + Fabric | 80 | 176 |
| 14 | B pillar G/N | Glass fiber reinforced polyurethane + Fabric | 80 | 176 |
| 15 | C pillar G/N | Glass fiber reinforced polyurethane + Fabric | 80 | 176 |
| 16 | Cover, grip, quarter pillar | Polypropylene | 80 | 176 |
| 17 | Bracket, cover, grip | Polypropylene + Steel | 80 | 176 |
| 18 | Mat, floor RR | PVC & Felt | 80 | 176 |
| 19 | Scuff plate RR | Polypropylene | 80 | 176 |

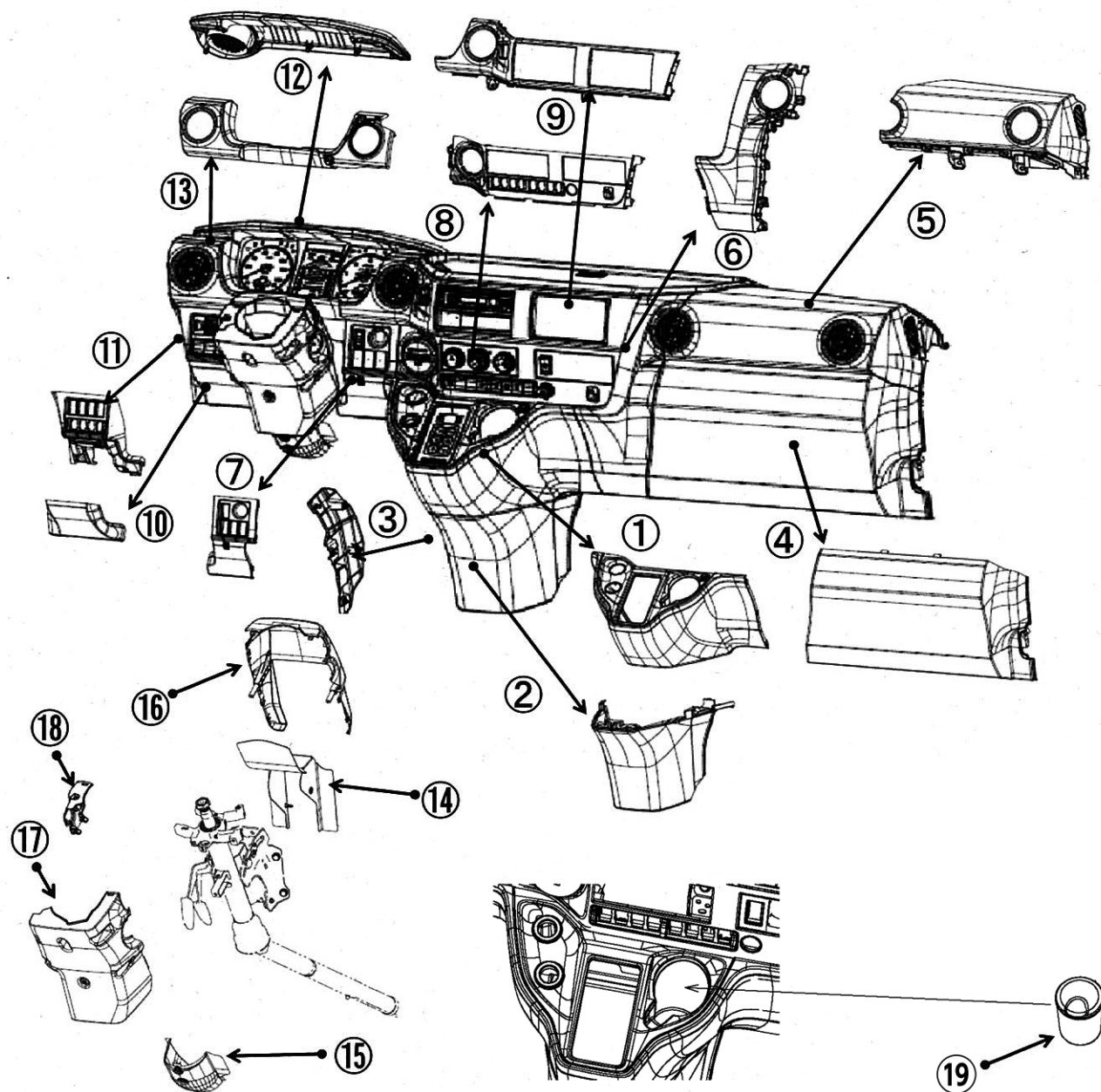
OUTSIDE ACCESSORY

| No. | Part name | Material | Allowable heat limit | |
|-----|-----------------------------|----------------|----------------------|-----|
| | | | °C | °F |
| 1 | Emblem (Top mark) | ABS | 80 | 176 |
| 2 | Grille, radiator | ABS / ASA | 80 | 176 |
| 3 | Hood | SMC | 80 | 176 |
| 4 | Cover, outside mirror stay | ASA | 80 | 176 |
| | UPR/LWR Mirror Bracket | PA6+GF50 | 80 | 176 |
| | End cap, mirror stay | PA6+GF50 / ASA | 80 | 176 |
| 5 | Mirror, outside | ABS | 80 | 176 |
| 6 | Lens, identification lamp | Polycarbonate | 80 | 176 |
| | Body, identification lamp | Polycarbonate | 80 | 176 |
| 7 | Lens, clearance lamp | Polycarbonate | 80 | 176 |
| | Body, clearance lamp | Polycarbonate | 80 | 176 |
| 8 | Lens, Head lamp | Polycarbonate | 80 | 176 |
| | Body, Head lamp | Polypropylene | 80 | 176 |
| 9 | Lens, side turn signal lamp | Acryl | 80 | 176 |
| | Body, side turn signal lamp | ABS | 80 | 176 |
| 10 | Antenna | Polypropylene | 80 | 176 |
| 11 | Net, air duct | Polypropylene | 80 | 176 |
| 12 | Fender | SMC | 80 | 176 |
| 13 | Mudguard | Rubber | 80 | 176 |
| 14 | Ventilator assy, air outlet | Polypropylene | 80 | 176 |
| 16 | Lock, hood | Rubber | 80 | 176 |
| 17 | Handle, door outside | PA6+GF30, PP | 80 | 176 |
| 18 | Corner bumper | Polypropylene | 80 | 176 |
| 19 | DEF tank | HDPE | 80 | 176 |
| 20 | Front spoiler | Polypropylene | 80 | 176 |

OTHERS

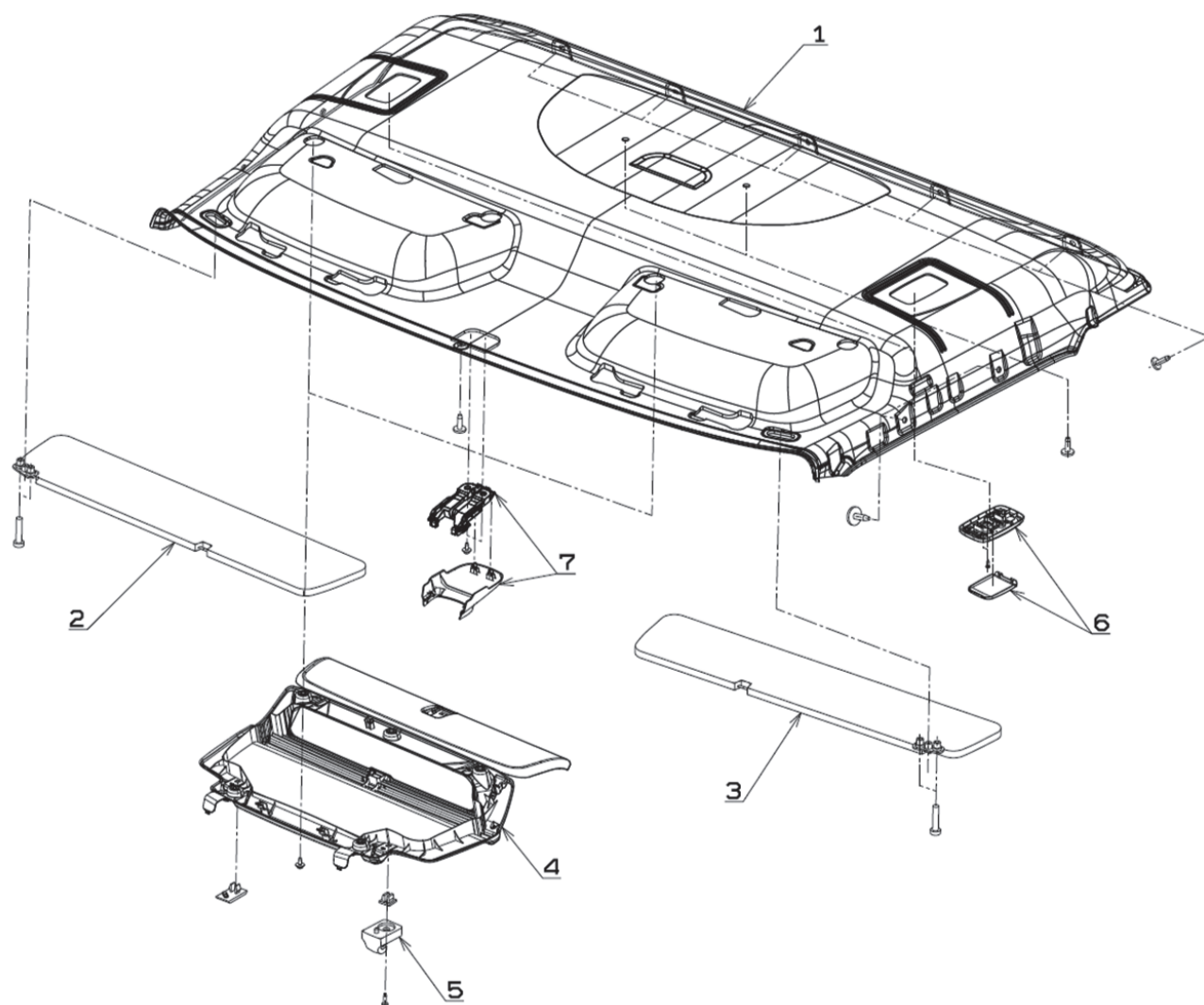
| No. | Part name | Material | Allowable heat limit | |
|-----|--|-------------------------------|----------------------|-----|
| | | | °C | °F |
| 1 | Nylon tubes for brake piping | Nylon | 90 | 194 |
| 2 | Weather strip | Rubber | 80 | 176 |
| 3 | Duct, air | Polypropylene | 80 | 176 |
| 4 | Filter, air | Polypropylene | 80 | 176 |
| | Adjusting lever, steering column | Polypropylene | 80 | 176 |
| | Steering wheel | Urethane form | 80 | 176 |
| | Horn button | TPO | 100 | 212 |
| | Fuel pipes | Special plastic coating | 120 | 248 |
| | Radiator reservoir | Polypropylene | 80 | 176 |
| | Valves for brake system | Rubber & Nylon | 90 | 194 |
| | Fuel hose | Rubber | 100 | 212 |
| | Fuel tube | Polyamide | 100 | 212 |
| | Fuel tank band/support seat | Rubber | 100 | 212 |
| | Radiator hose | Rubber | 100 | 212 |
| | Heater hose | Rubber | 100 | 212 |
| | Brake & clutch hose | Rubber | 100 | 212 |
| | Electric equipment box cover | Polypropylene | 80 | 176 |
| | Electric equipment box proper | Polypropylene | 80 | 176 |
| | Harness wiring | Vinyl chloride | 80 | 176 |
| | Harness wiring clip | Nylon & Polypropylene | 80 | 176 |
| | Battery cable | Vinyl chloride | 80 | 176 |
| | Cable | Polyethylene or Polypropylene | 80 | 176 |
| | Cable boot | Rubber | 90 | 194 |
| | Torsion bar collar | Polyacetals | 100 | 212 |
| | Nylon tubes for brake piping | Nylon | 90 | 194 |
| | (At all parts to be installed chassis) | | | |
| | Battery | Polypropylene | 80 | 176 |
| | Battery cover | Polypropylene | 80 | 176 |
| | Gauge, fuel sensor | | 80 | 176 |
| | Bush, front spring | Rubber | 80 | 176 |
| | Seat, spring slide (Rear spring) | Polypropylene | 80 | 176 |
| 5 | Garnish, cowlpanel, CTR | Polypropylene + GF30 | 80 | 176 |
| | Cooler hoses | Rubber | 100 | 212 |
| | Resin clips (For brake piping) | Nylon & etc. | 90 | 194 |
| | Computer, Allison ATM | — | 125 | 257 |
| | 2200 and 2500 series | | | |
| | Computer, Allison ATM | — | 105 | 221 |
| | 3000 and 3500 series | | | |
| | Propeller shaft | — | 80 | 176 |
| | Brake & clutch pipes | Special plastic coating | 120 | 248 |
| 6 | Washer tank | Polypropylene | 80 | 176 |
| 7 | Grommet | Rubber + Steel | 80 | 176 |

INSTRUMENT PANEL ACCESSORY <Automatic Specification>



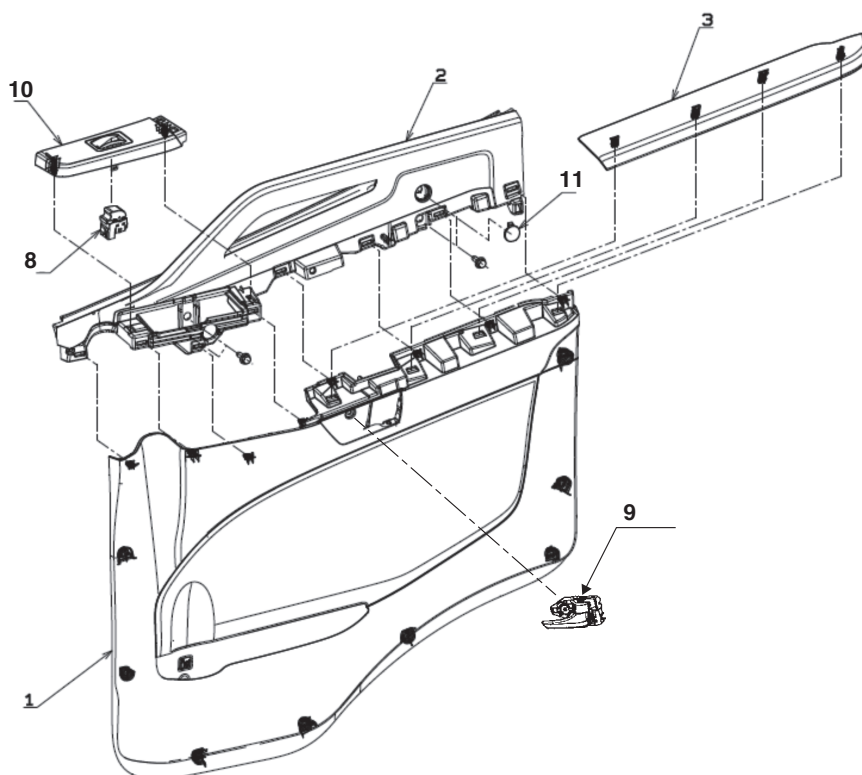
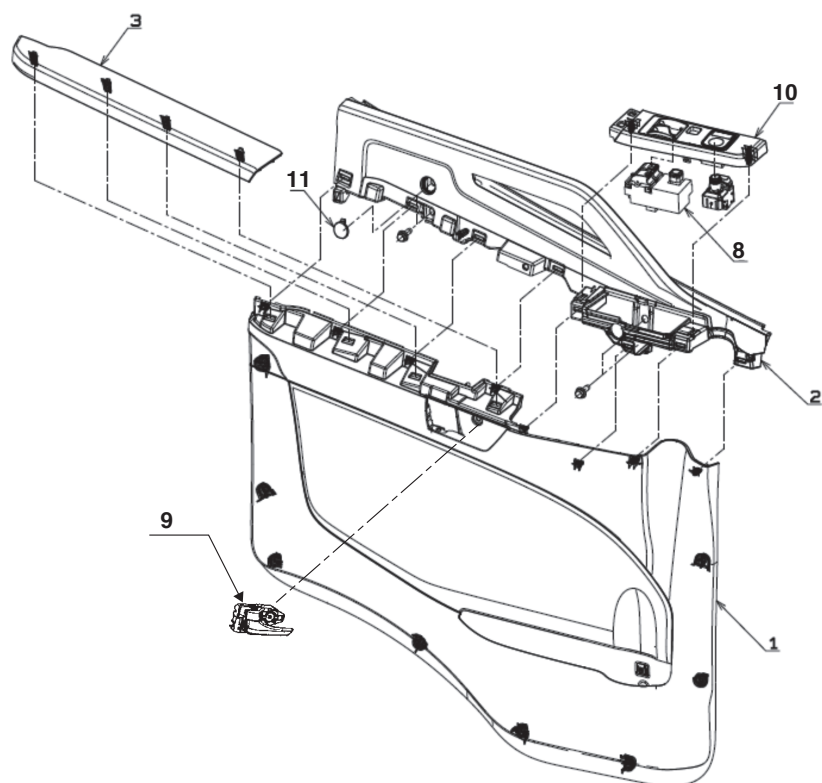
ROOF ACCESSORY

< Day Cab >

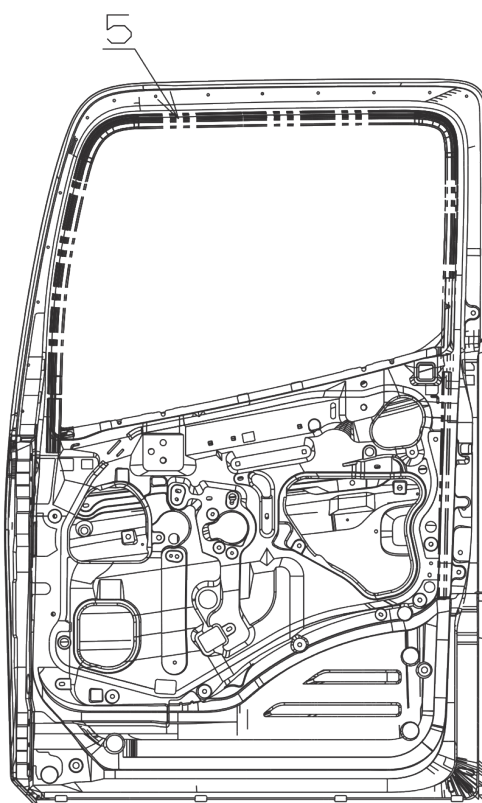
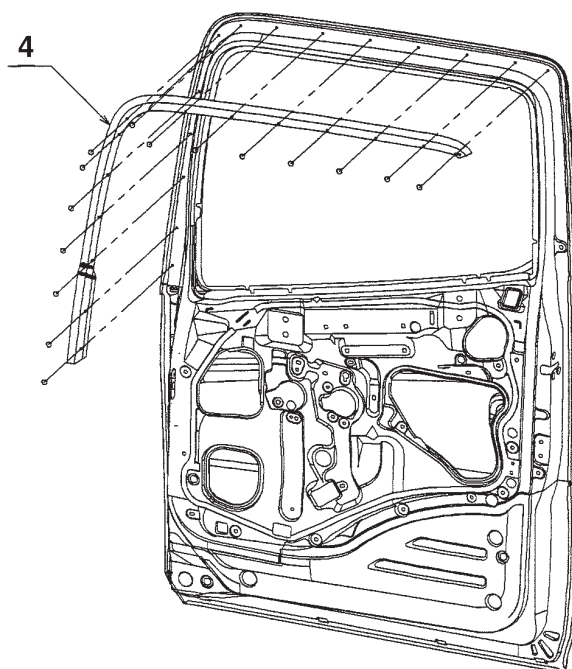


DOOR ACCESSORY -1

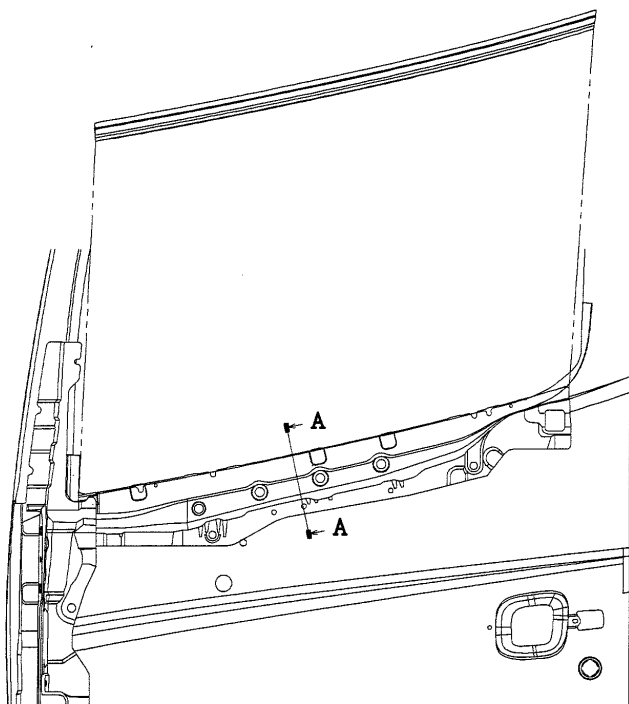
Fr Door



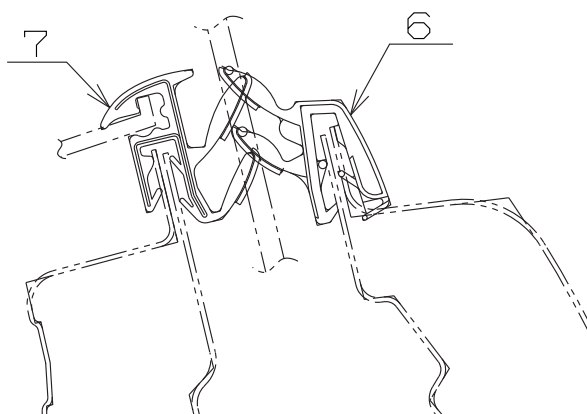
DOOR ACCESSORY -2



DOOR ACCESSORY -3



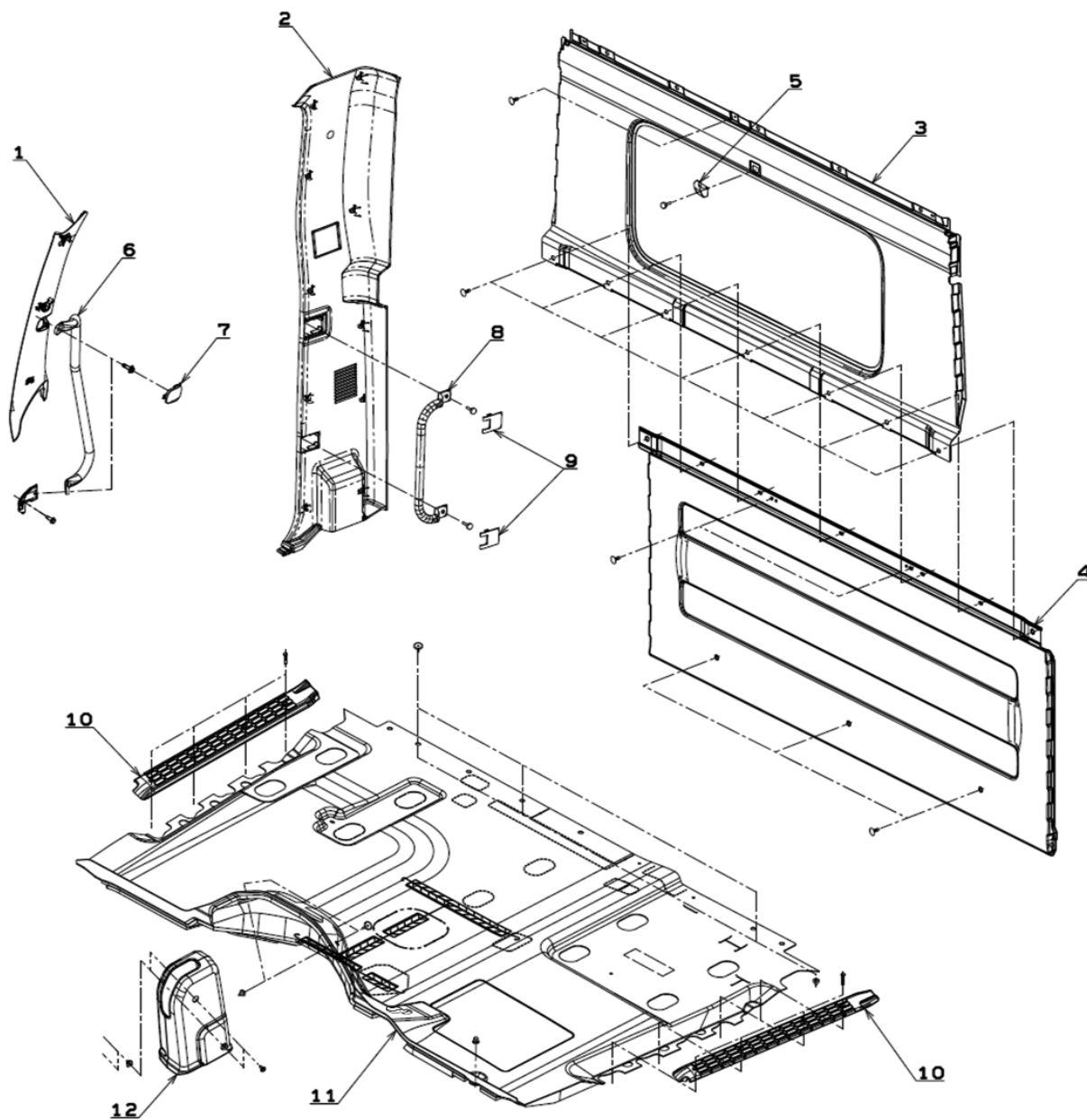
Fr Door



SECTION A-A

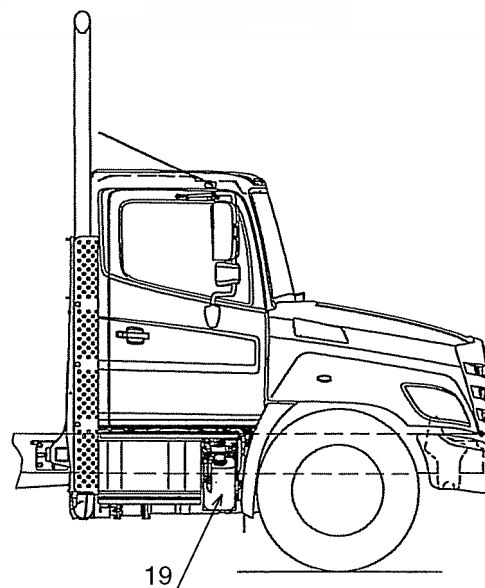
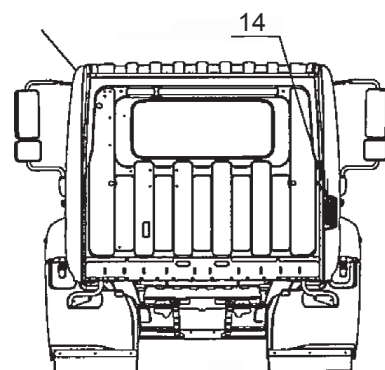
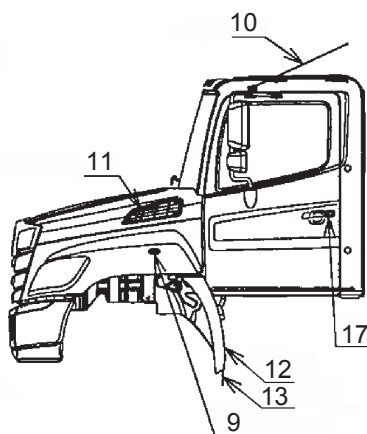
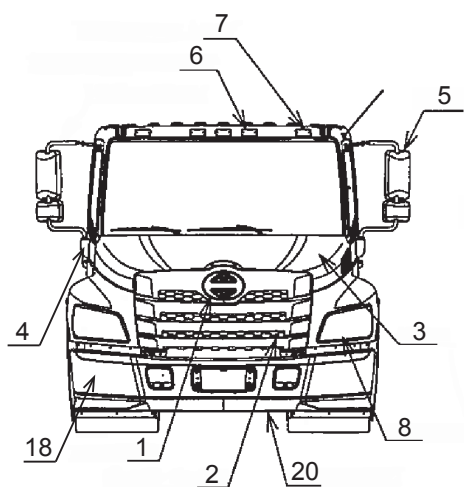
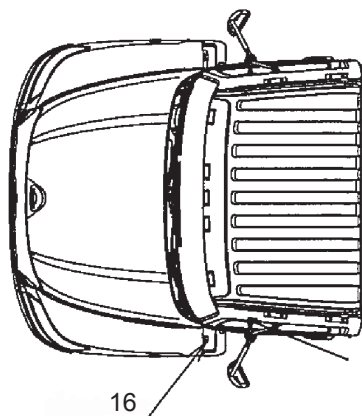
INSIDE ACCESSORY

< Day Cab >

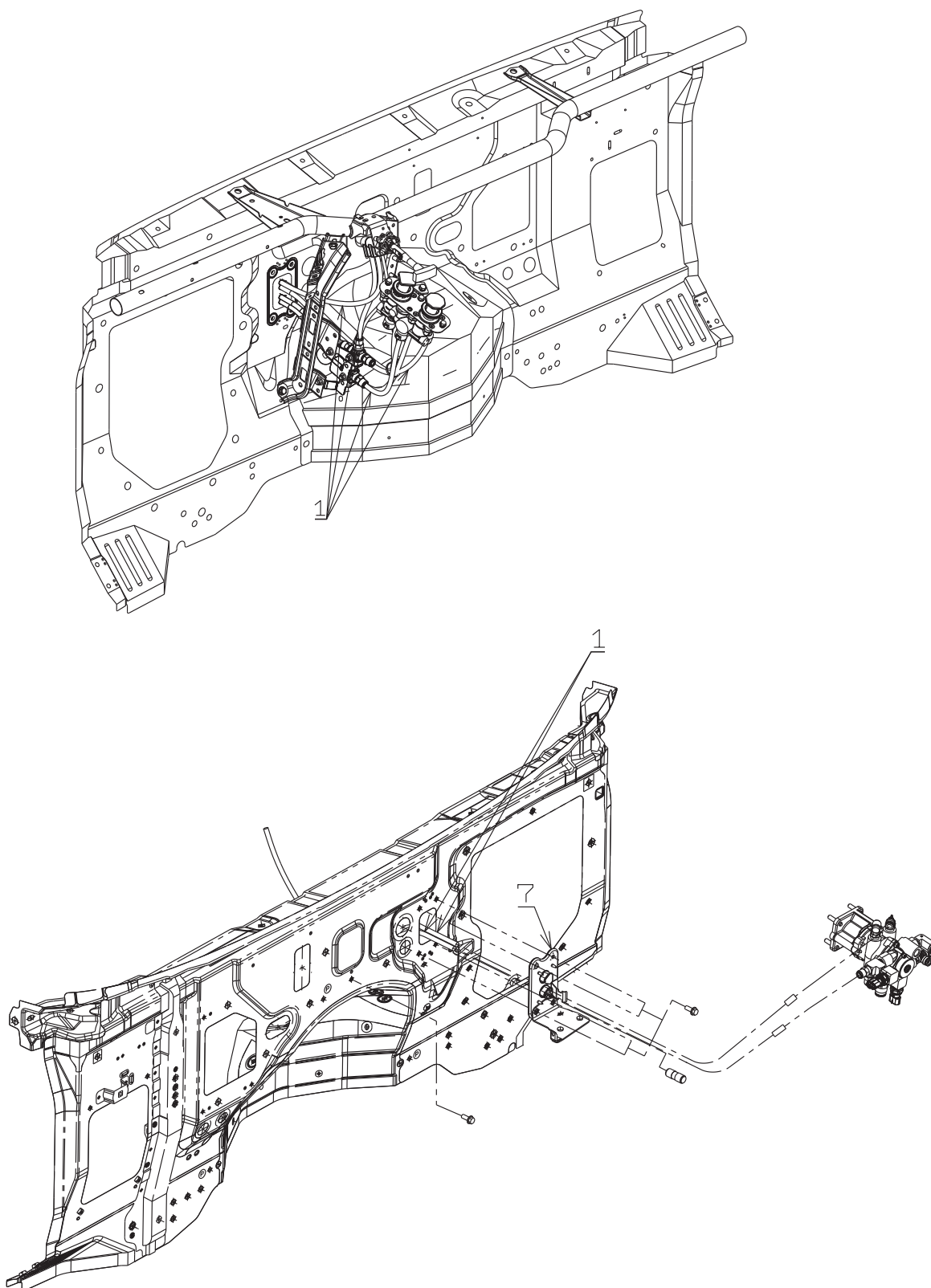


OUTSIDE ACCESSORY

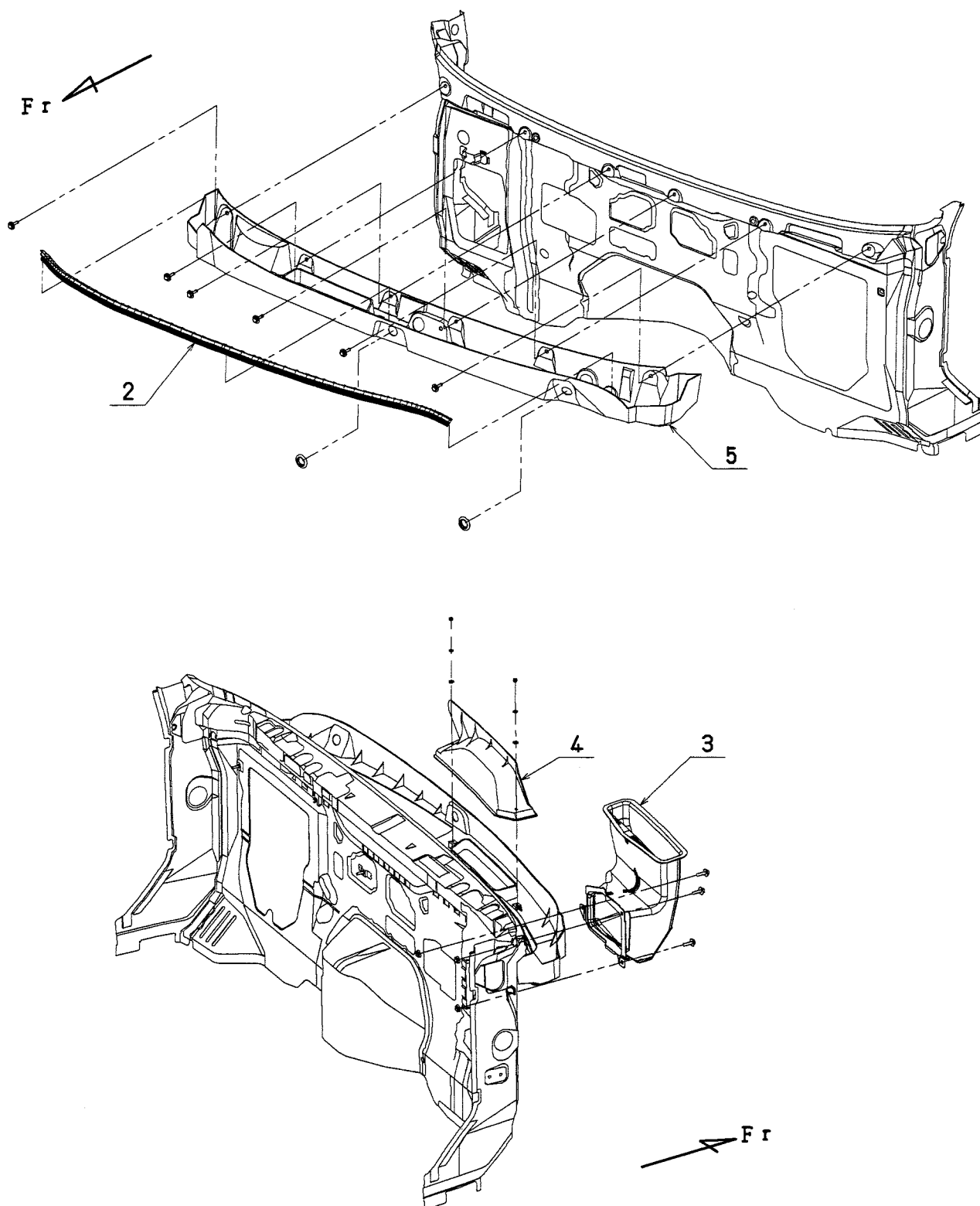
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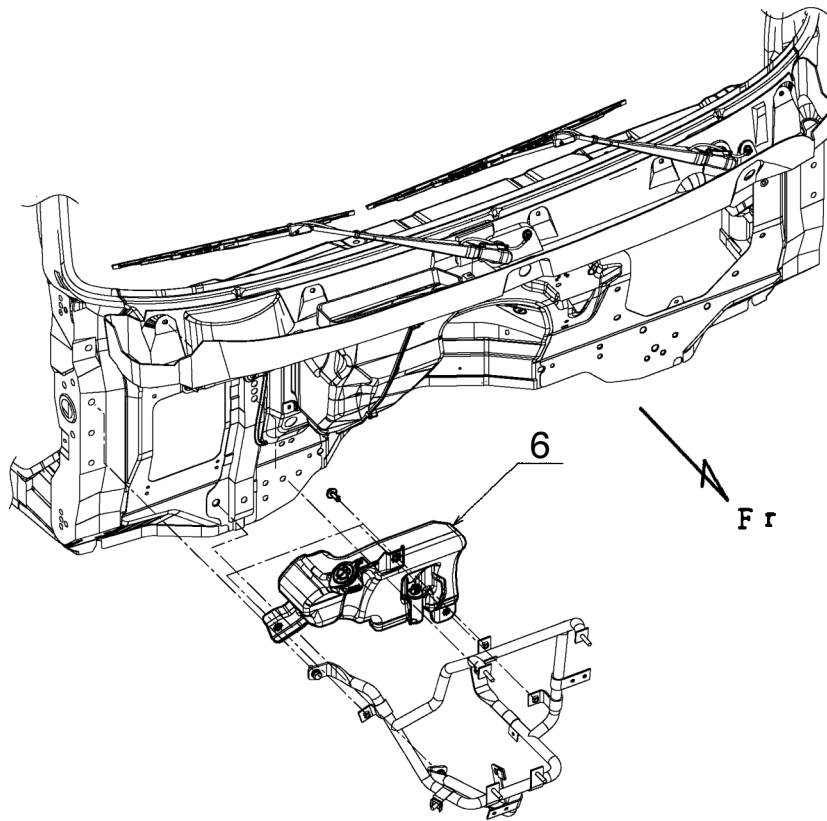
OTHERS -1



OTHERS -2



OTHERS -3



8. HOW TO REMOVE AND REINSTALL THE PARTS OF THE HOOD AND CAB

Radiator grille

REMOVE RADIATOR GRILLE

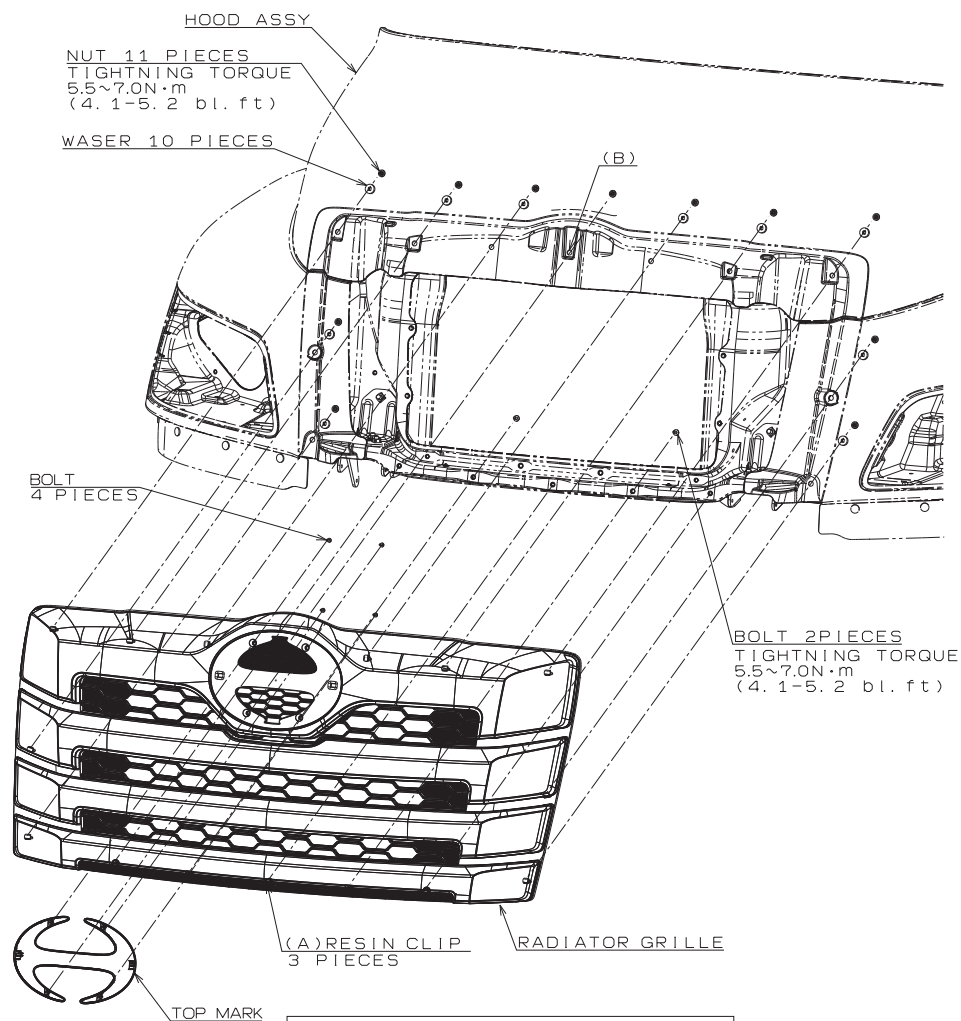
- After loosening the nuts (11 pieces) and rubber washers (10 pieces) from behind the radiator grille paying attention not to impact on them, remove resin clips (3 pieces) and bolts (2 pieces) and remove it from the hood.

INSTALL RADIATOR GRILLE

- Replace the dry lock fixing bolts and resin clips with new ones.
- First insert (A) resin clips in the hood and fasten the nut at (B) and then fasten other nuts and rubber washers (10 pieces).

[NOTE]

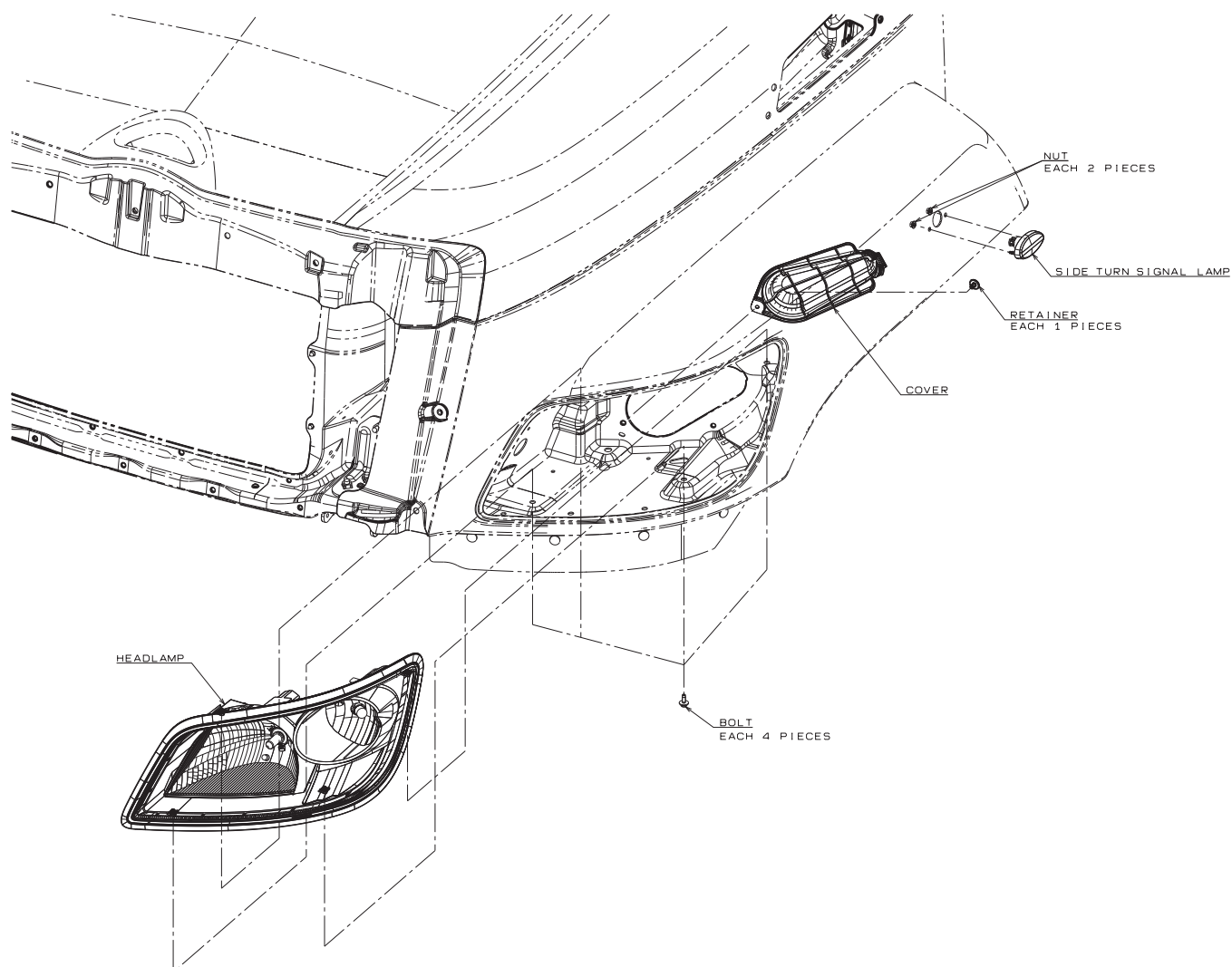
Thread lock hardens in 24 hours, after fastening.



Head lamp and side turn signal lamp

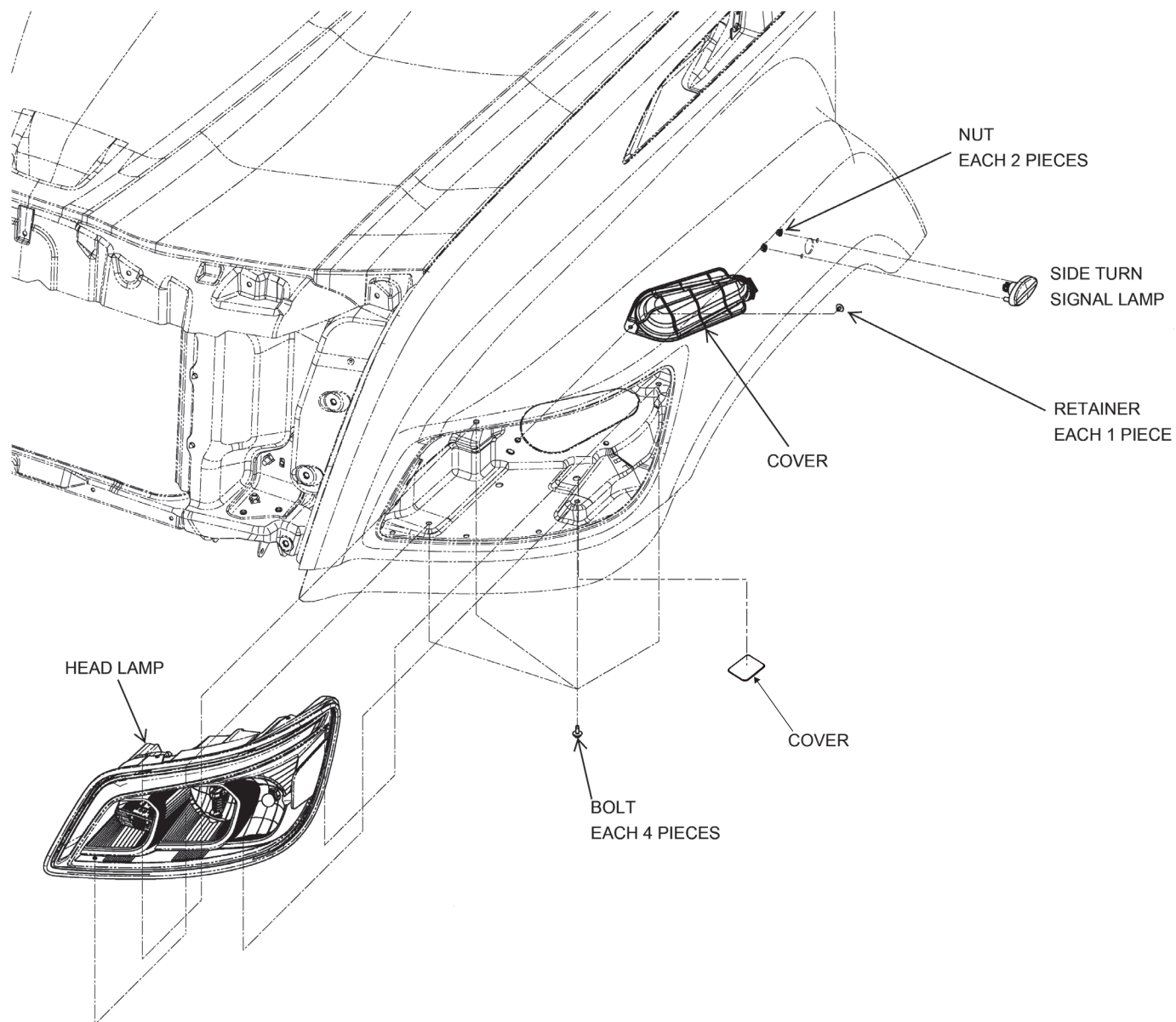
- Open the hood.
- Loosen the bolts from back side of the hood.

< For halogen >

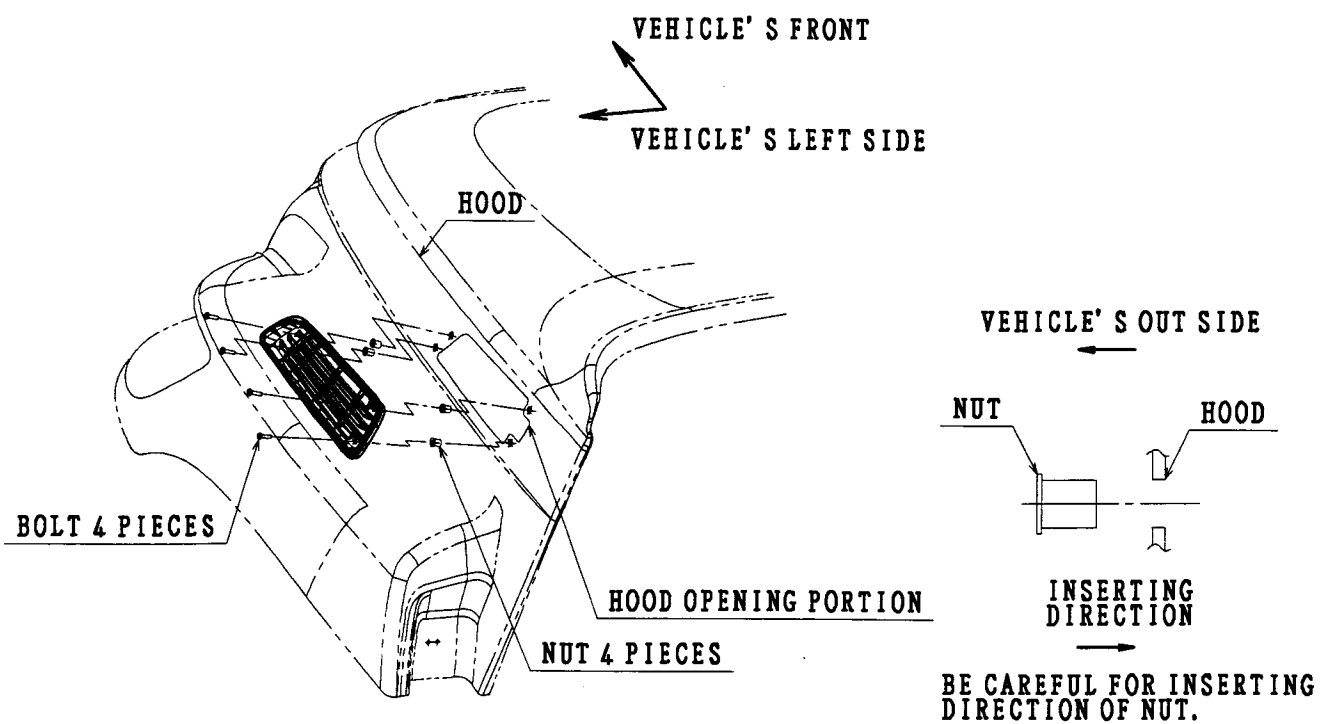
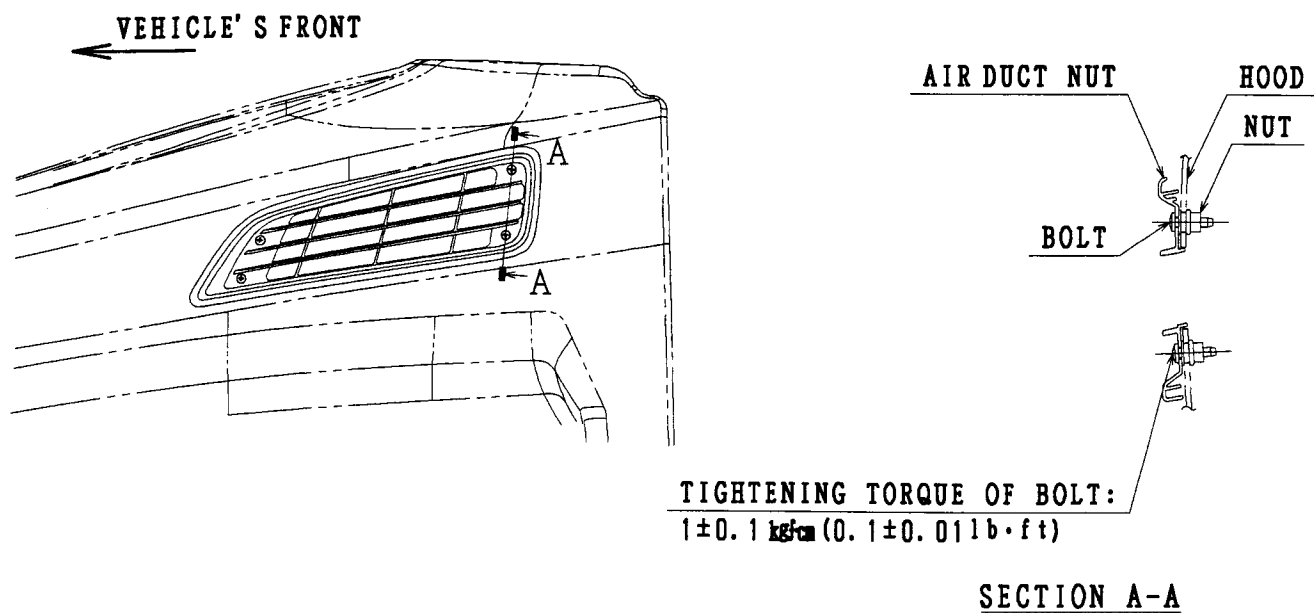


[NOTE]
TIGHTENING TORQUE OF BOLT & NUT :
49.0±19.6 kgf·cm (3.5±1.4 lb·ft)

< For LED >

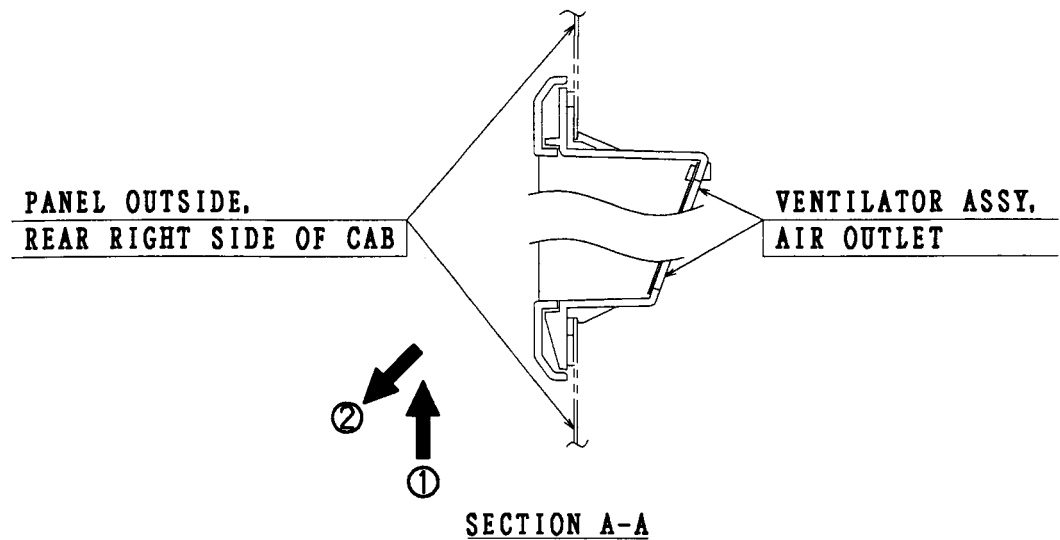
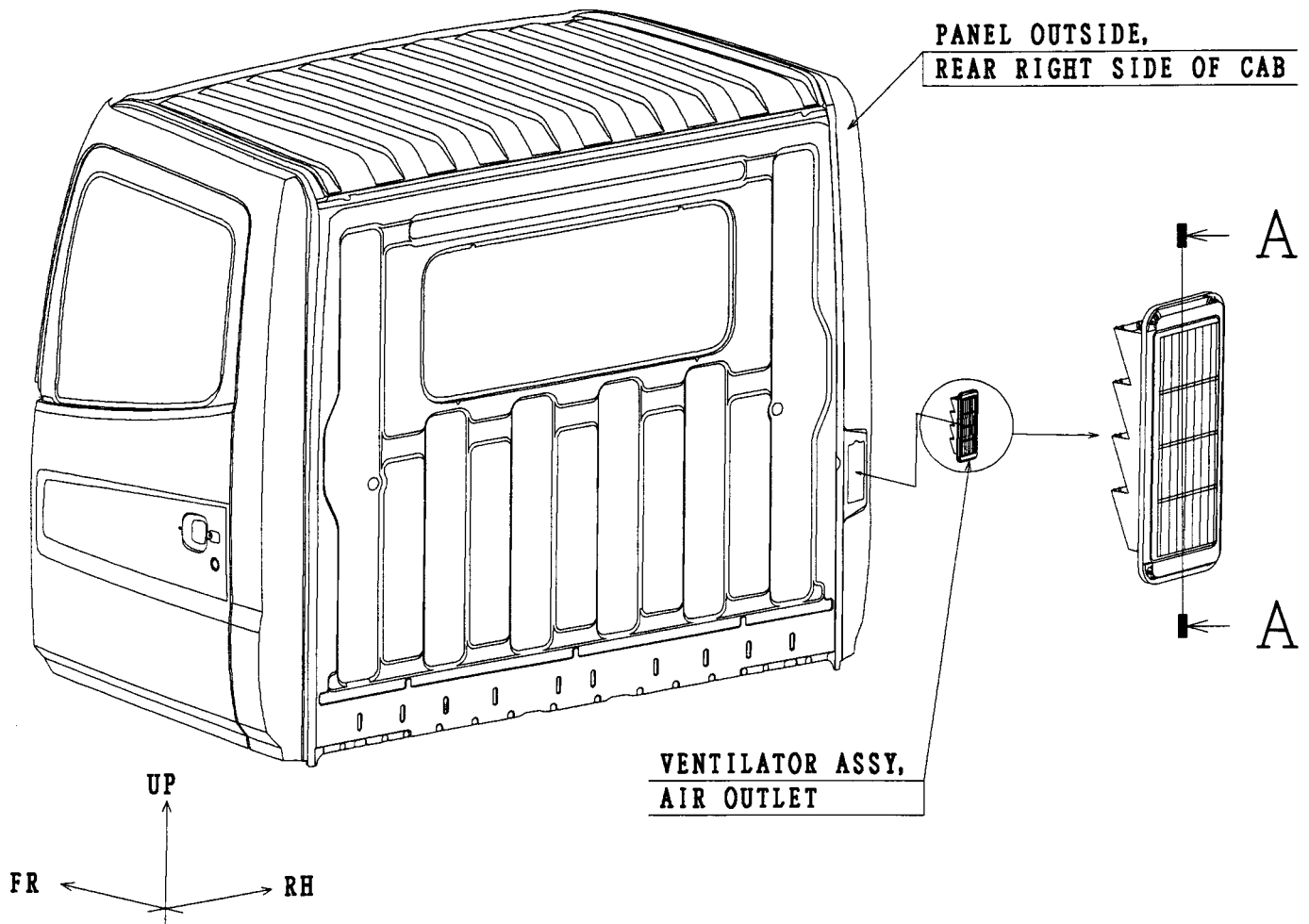


Air duct inlet



Vent

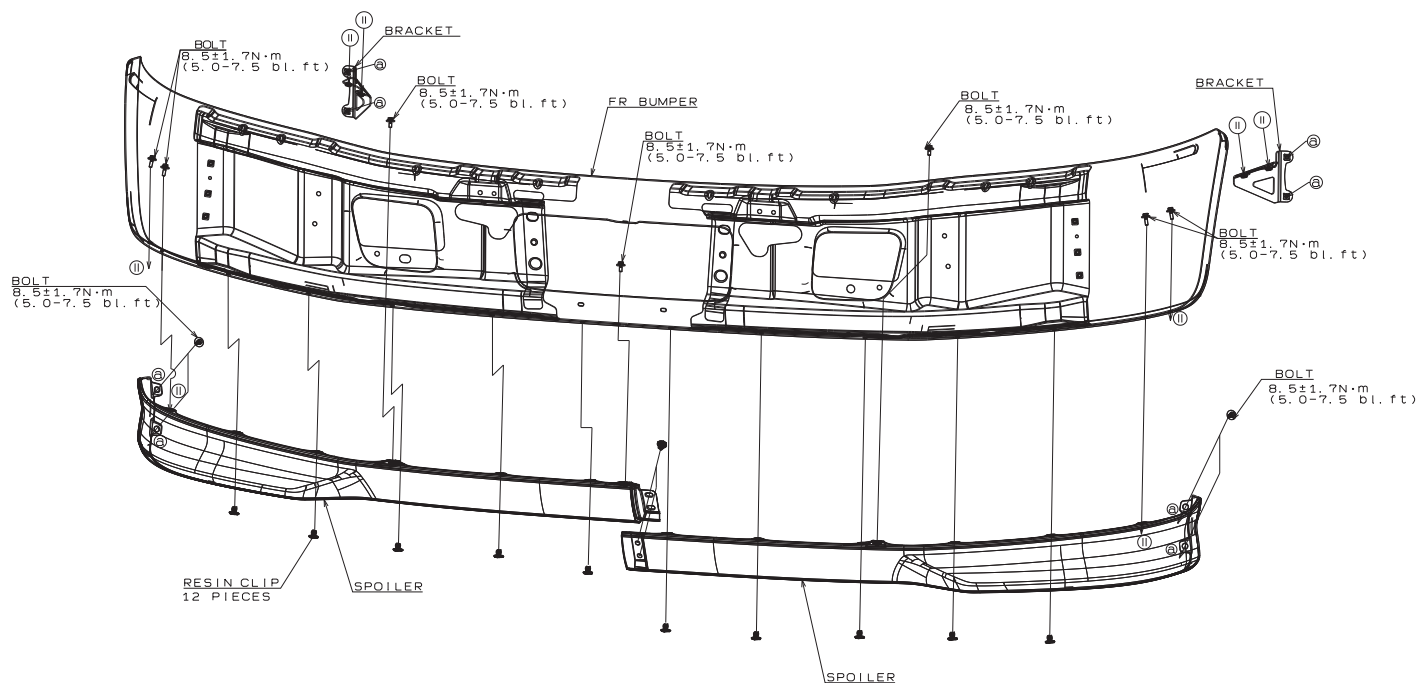
- Place hand under the side of the Vent.
- Push ventilator up. More up 1 to 2 mm (0.039 to 0.078 in.) only.
- Pull ventilator away from cab to remove.



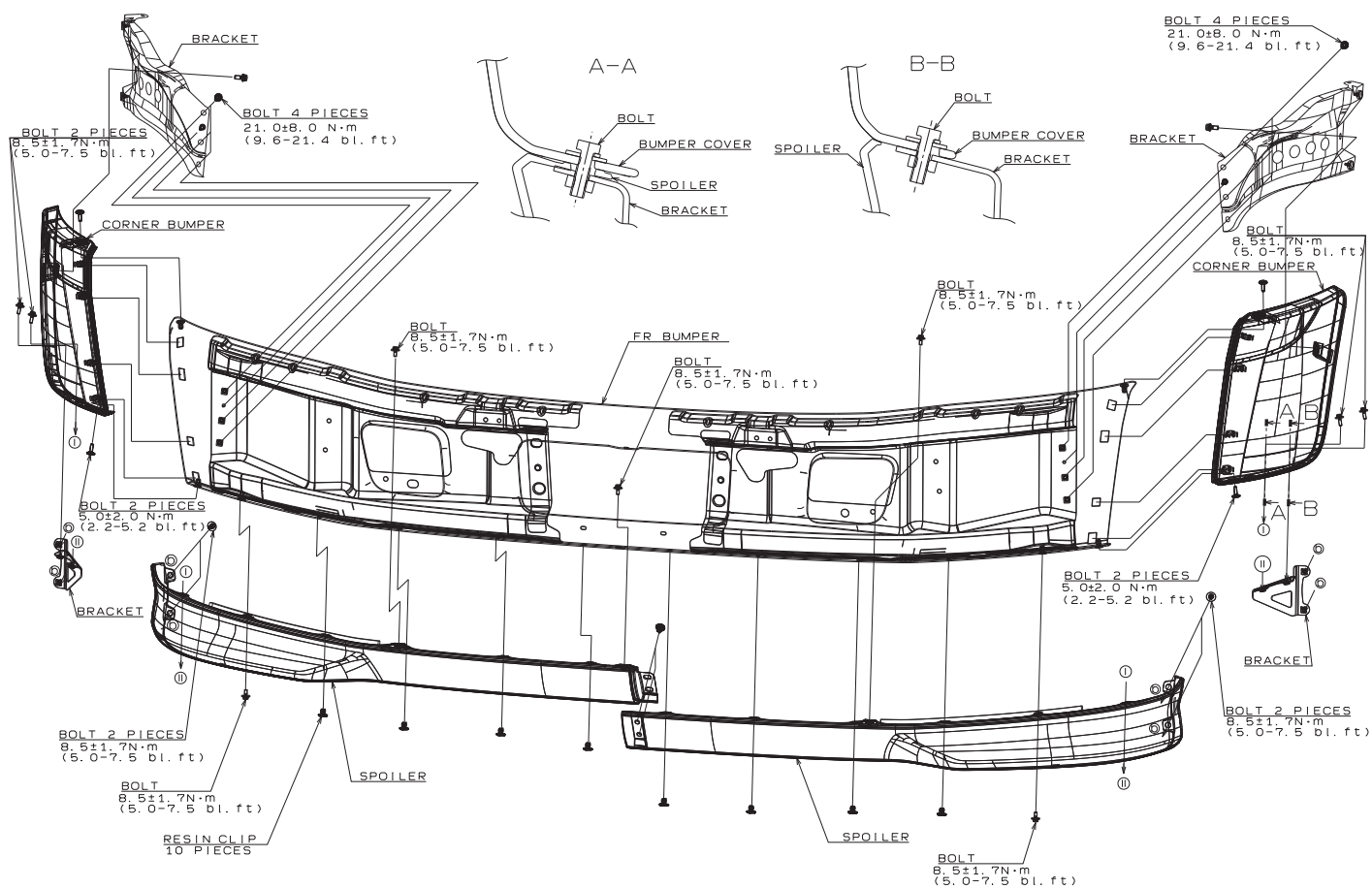
Corner bumper

- Loose the bolts

< 1 PIECE >

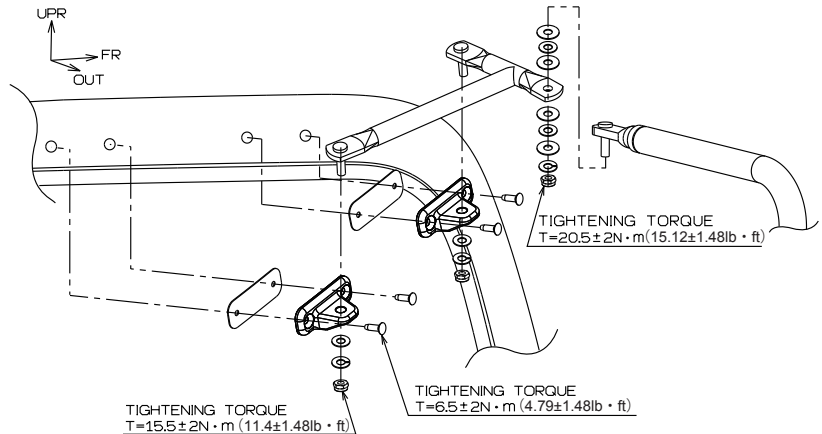
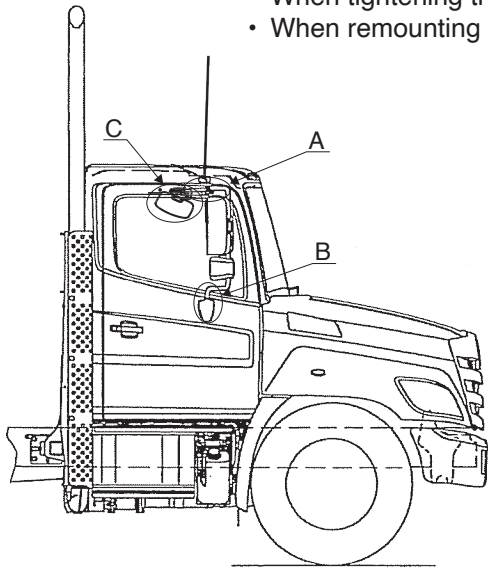


< 3 PIECE >

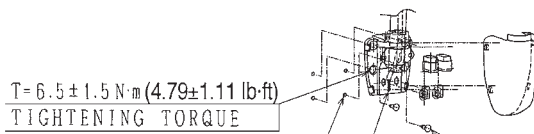


Outside mirror and mirror stay <In case of Fixed Mirror>

- When remounting the mirror stay, mount it after the paint has completely dried.
- When tightening the mirror stay, be careful not to scratch the painted surface.
- When remounting the mirror stay, torque to specification(s) shown in the following figures.



DETAIL OF A

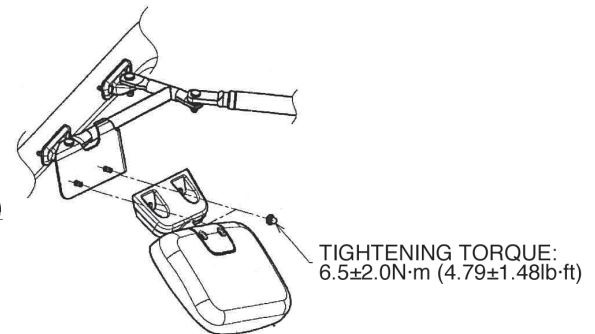


DOOR PANEL HOLE (4PIECES)

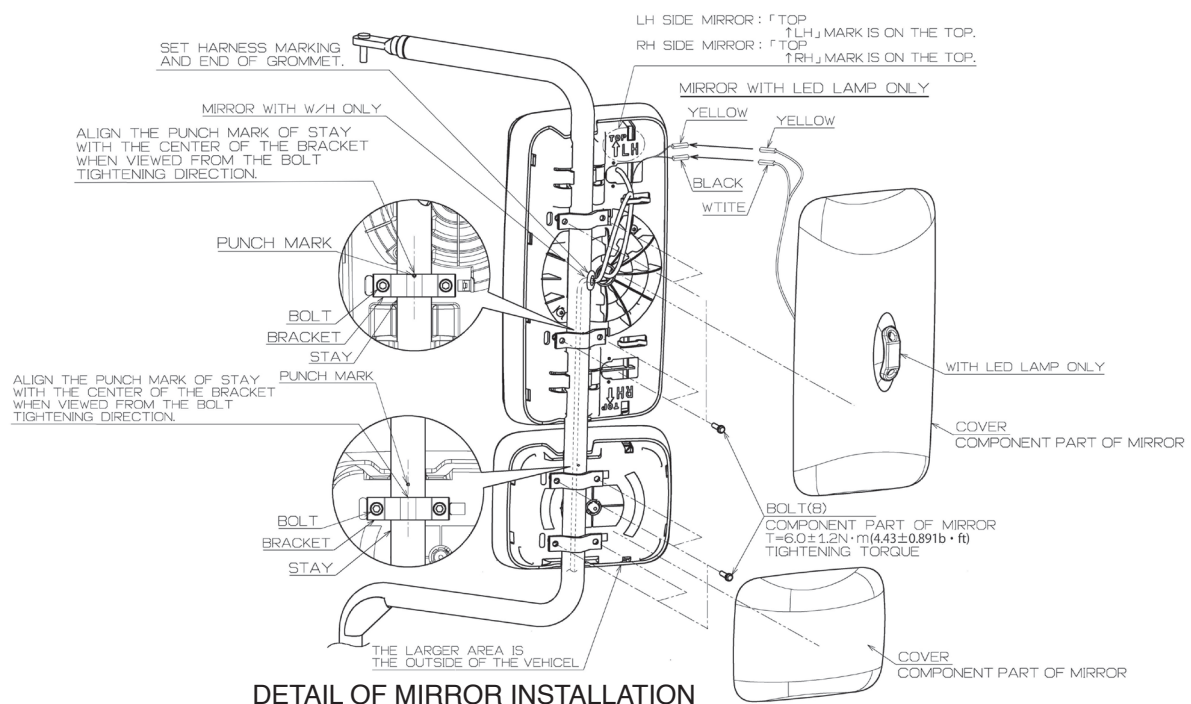
$T=6.5\pm 1.5\text{N}\cdot\text{m}$ (4.79±1.11lb·ft)
TIGHTENING TORQUE

INSTALL HARNESS TO CONNECTOR
AFTER PIERCE HARNESS IN MIRROR STAY.

DETAIL OF B



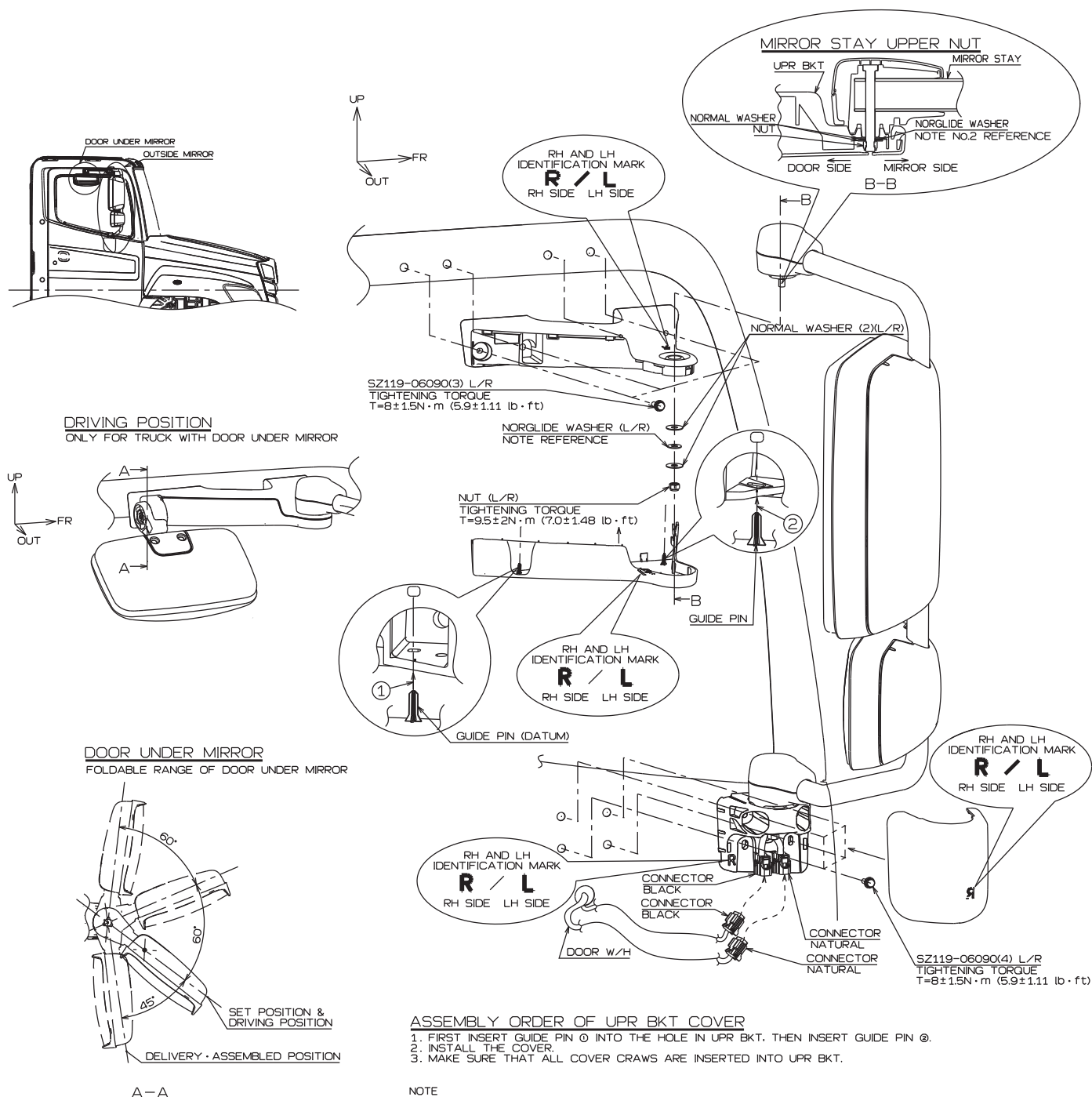
DETAIL OF C



DETAIL OF MIRROR INSTALLATION

<In case of Foldable Mirror>

- When remounting the mirror stay, mount it after the paint has completely dried.
- When tightening the mirror stay, be careful not to scratch the painted surface.
- When remounting the mirror stay, torque to specification(s) shown in the following figures.



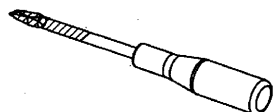
NOTE

- THE SLIDING SURFACE OF NORGLIDE WASHER CAN BE EITHER UP OR DOWN.
NO INCORRECT ASSEMBLING AT POSITION OF NORGLIDE WASHER.
- BOLT(SZ2119-06090) COMES WITH ADHESIVE.
WHEN REUSING, CLEAN THE BOLT THREADS AND APPLY ADHESIVE(LOCTITE 263 OR EQUIVALENT) TO THE THREADS.

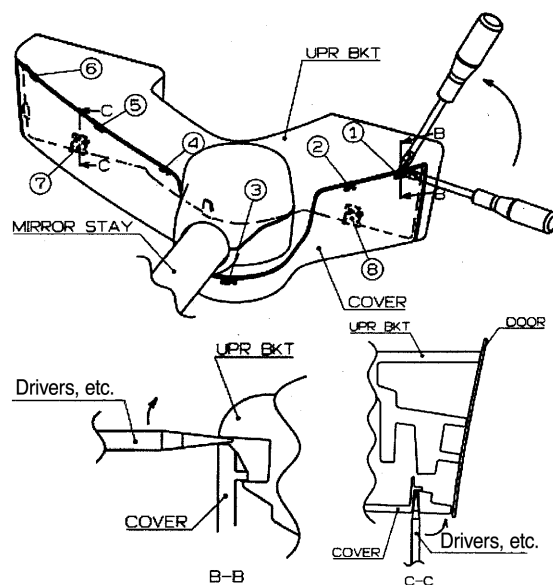
<In case of Foldable Mirror>

HOW TO REMOVE UPPER BRACKET COVER

1. Protect the metal part of the flathead screwdriver with masking tape, etc.

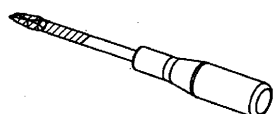


2. Insert a flat-blade screwdriver into part ① and move it in the direction of the arrow to remove the pawl.
 3. In the same manner, remove the pawl in the order of ②, ③, ..., and ⑧.
- ① ~ ⑥ : See B-B cross section
⑦ ~ ⑧ : See C-C cross section

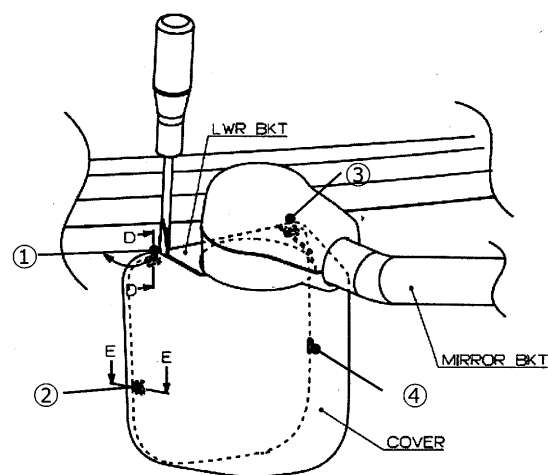
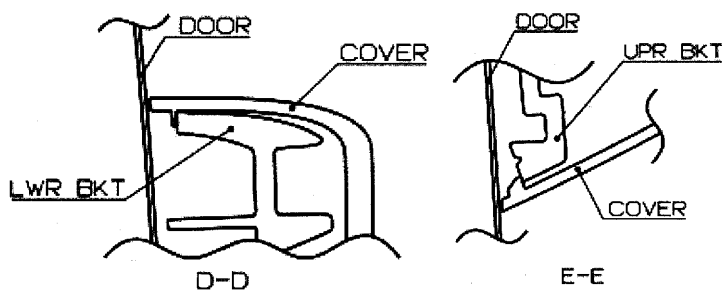


HOW TO REMOVE LOWER COVER

1. Protect the metal part of the flathead screwdriver with masking tape, etc.



2. Insert a flat-blade screwdriver into part ① and move it in the direction of the arrow to remove the pawl.
- ①、③ : See D-D cross section
②、④ : See E-E cross section



Windshield wiper

When dismounting and remounting the wiper, confirm before remounting that the wiper stays at the park position.

(After turning ON the wiper motor switch, turn OFF the wiper switch and the motor stops at the park position.)

[NOTE]

- Operate the wiper with the hood shut down.
- With the hood opened, you may risk to have your hand pinched by the wiper links.
- Also after stop of the wiper motor, remove the key from the ignition.

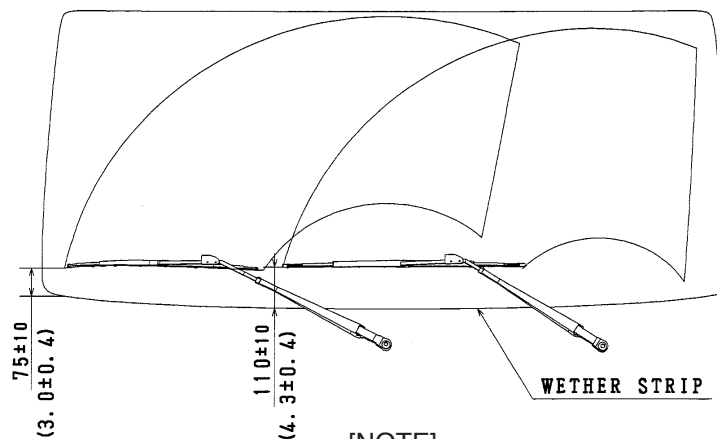
When tightening the wiper arms, tighten them by adjusting the blade position (height) within the limit as shown as the following figure.

Adjust the wiper arms and the pivot positions to the following tightening torque values.

- Wiper arm tightening torque
 $19.6 \pm 2.0 \text{ N}\cdot\text{m}$ ($14.46 \pm 1.48 \text{ lb}\cdot\text{ft}$)
- Wiper pivot tightening torque, washer tank tightening torque
 $14 \pm 2.5 \text{ N}\cdot\text{m}$ ($10.32 \pm 1.84 \text{ lb}\cdot\text{ft}$)

WIPER BLADE SET POSITION

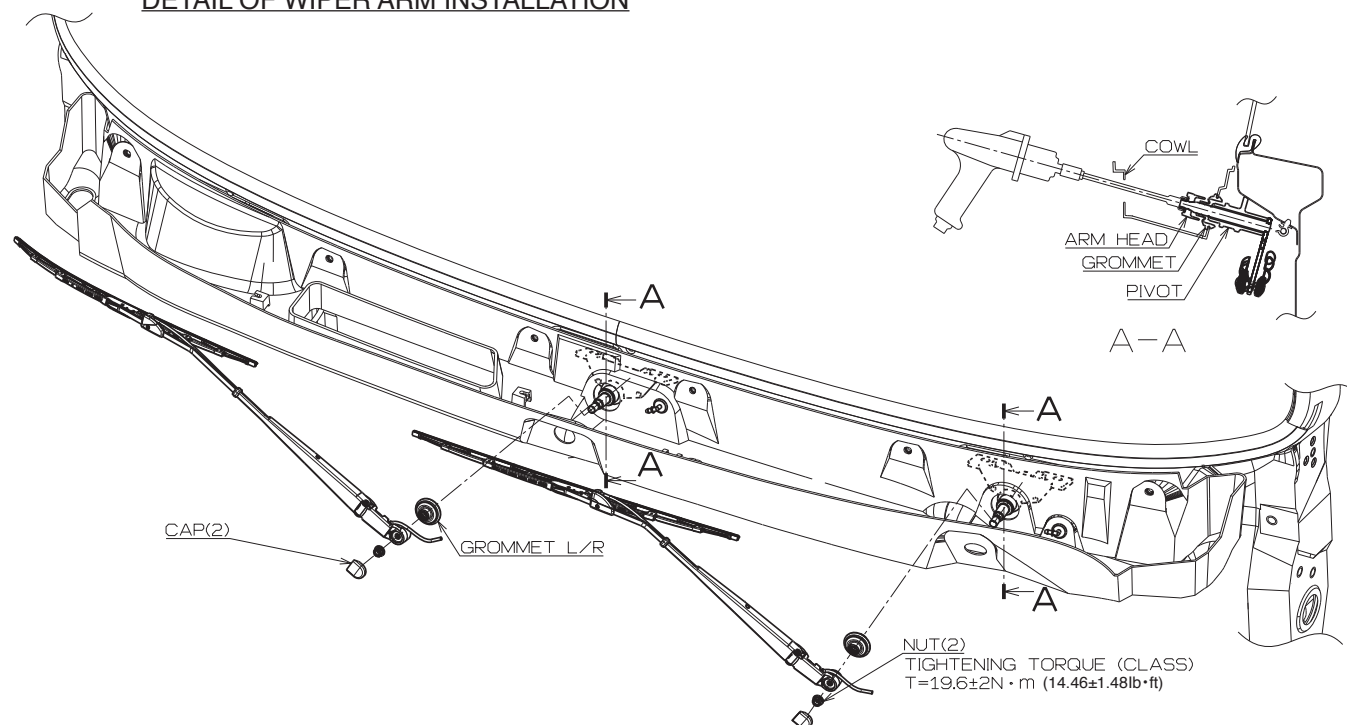
Unit: mm (in.)



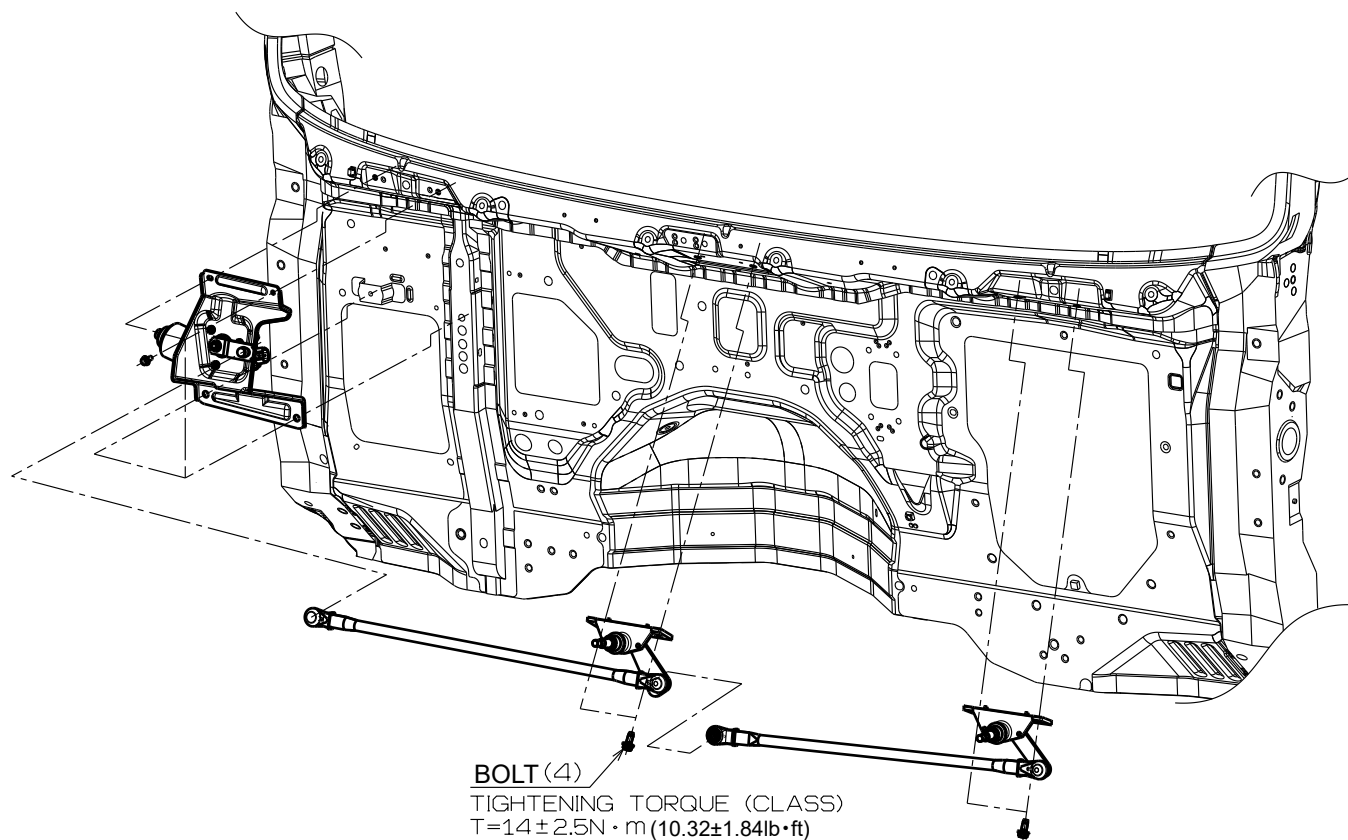
[NOTE]

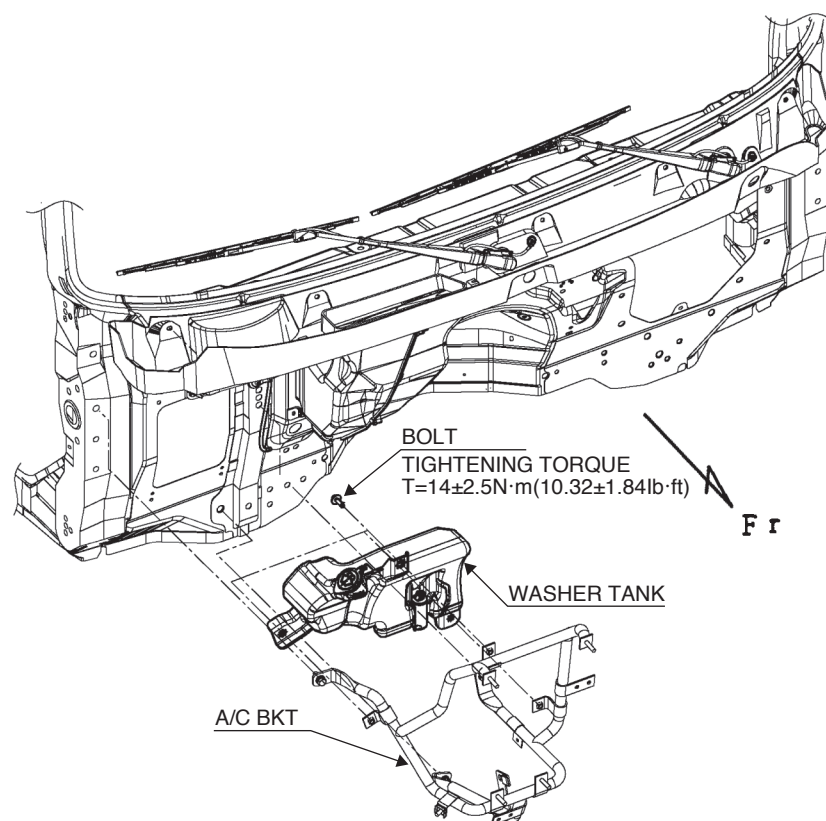
The set positions show the gaps at the top end of the blades.

DETAIL OF WIPER ARM INSTALLATION



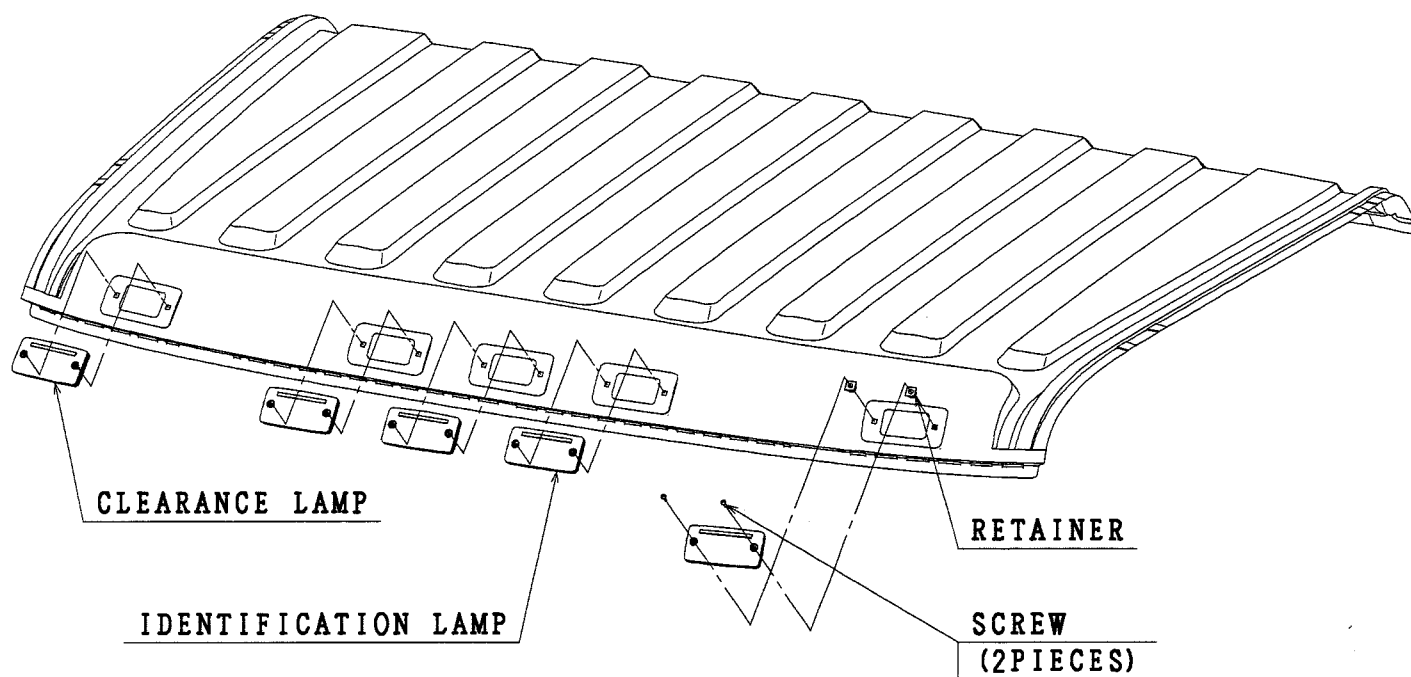
DETAIL OF WIPER PIVOT AND LINK INSTALLATION



DETAIL OF WASHER TANK INSTALLATION

Front cab roof clearance & Identification lamps

- Tighten the bolts securely.
- Push in the retainers securely.



9. WEATHER STRIP INSTALLATION

- Match the marks A and B on body side notch and the marks on the weather strip then start mounting from this point.
- Mount the weather strips on general positions after having finished mounting of point A and B and stick them in such a way that the slack of the weather strips concentrate on corners of the point A and of the point B. Execute this operation by squeezing them in the direction of the arrow in the illustration of the weather strip position.

< Day Cab >

ILLUSTRATION OF THE WEATHER STRIP MOUNTING POSITION (Fr Door)

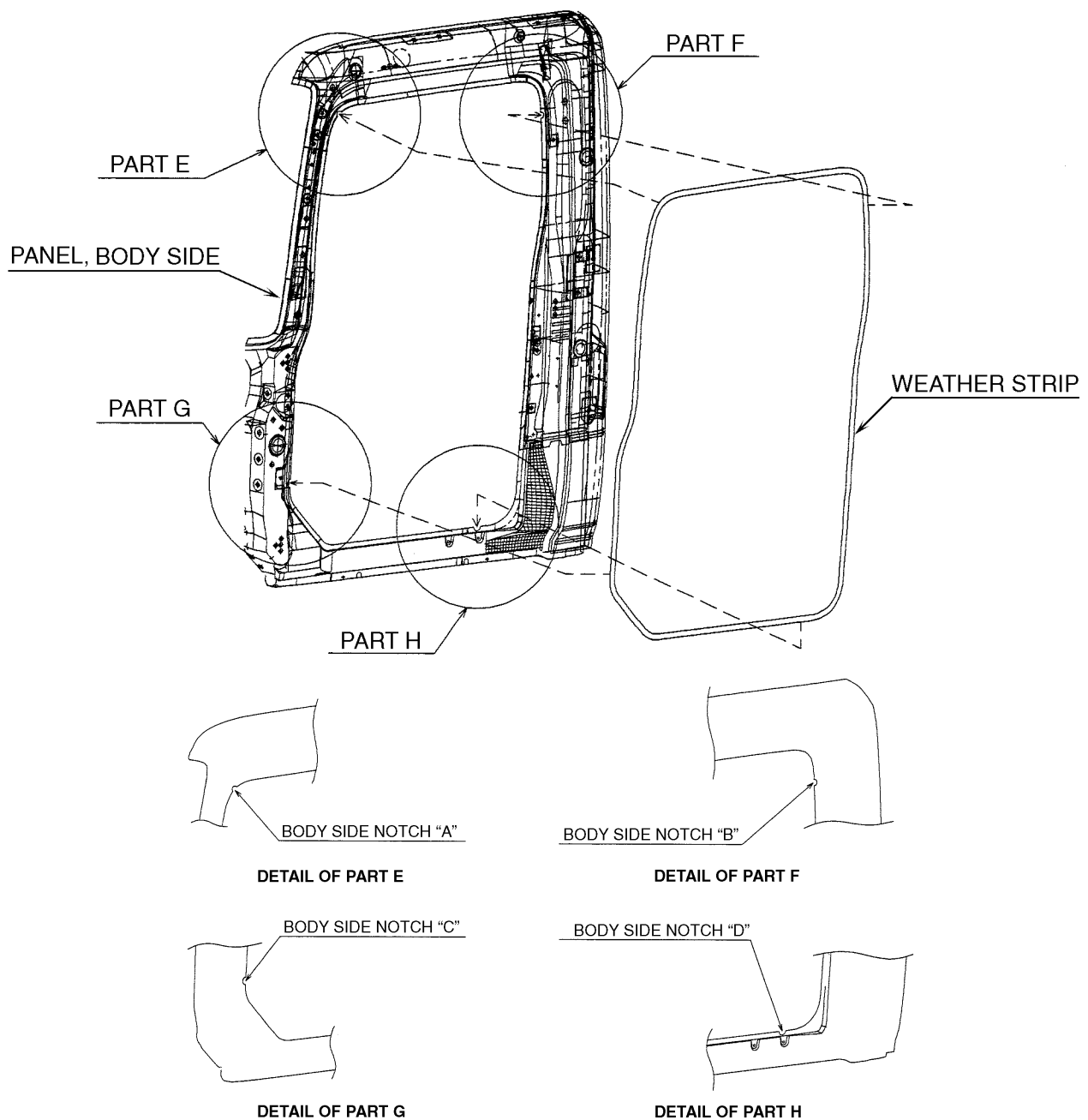
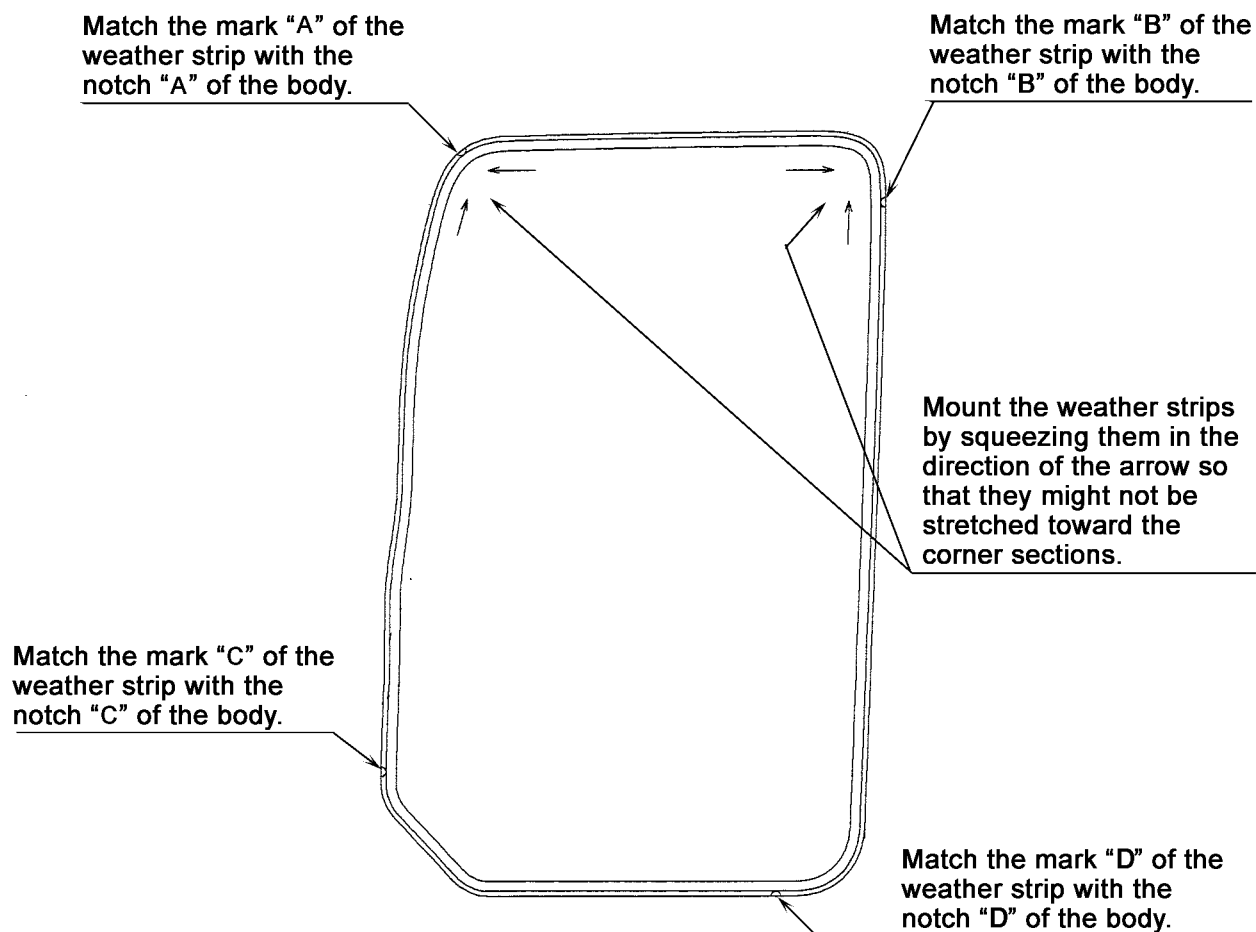


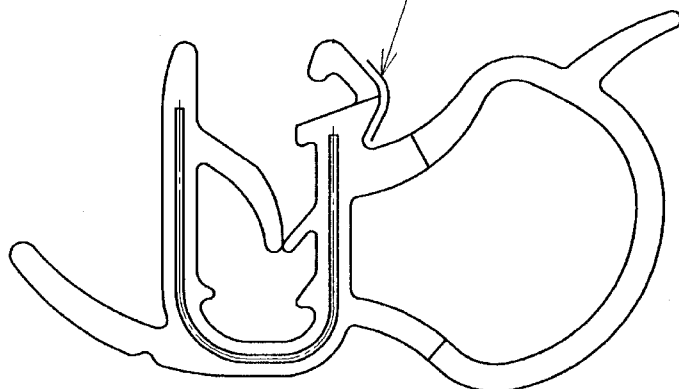
ILLUSTRATION OF THE WEATHER STRIP MARK POSITION (Fr Door)



SECTIONAL VIEW OF THE WEATHER STRIP

Position to apply paint for marking.

| POSITION | MARKING COLOR | |
|----------|---------------|-----------------|
| A | LH : WHITE | RH : WHITE |
| B, C, D | LH : PINK | RH : LIGHT BLUE |



10. HANDLING OF ELECTRONIC CONTROL UNIT (ECU)

When drying paint by forced dry method, follow the instructions below to avoid damage to ECU.

| | CONDITION OF FORCED DRYING PAINT | HANDLING OF COMPUTER |
|---|---|----------------------|
| 1 | <ul style="list-style-type: none"> • INSIDE TEMPERATURE OF THE FORCED DRYING BOOTH : 100°C (212°F) • INSIDE TEMPERATURE OF THE CAB : LESS THAN 80°C (176°F) (PLACE AT THE 50mm (2.0 in.) HEIGHT FROM UPPER SURFACE OF CAB FLOOR.) | INSTALLED |
| 2 | WHEN UNKNOWN TEMPERATURE OF THE FORCED DRYING BOOTH OR USE INFRARED LAMP INSIDE TEMPERATURE OF THE CAB : LESS THAN 80°C (176°F) (PLACE AT THE 50mm (2.0 in.) HEIGHT FROM UPPER SURFACE OF CAB FLOOR.) | |
| 3 | WHEN EXPECTING HIGHER TEMPERATURE THAN ABOVE MENTIONED CASES. | REMOVE COMPUTER |

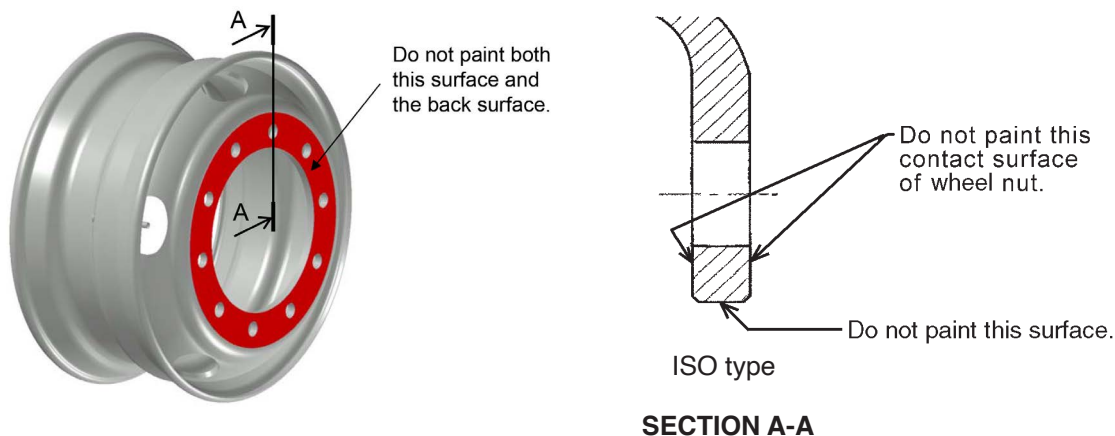
[NOTE]

In case of allowable heat limit of the auto transmission control computer for transmission model Allison 2200, 2500, 3000 and 3500 series, refer to the table OTHERS of "PARTS AND ALLOWABLE HEAT LIMIT".

11. PRECAUTIONS FOR PAINTING THE WHEELS

- 1) Before painting the wheel, cover its inside and outside surface to be contacted with the wheel, the hub, the brake drum and wheel nuts.

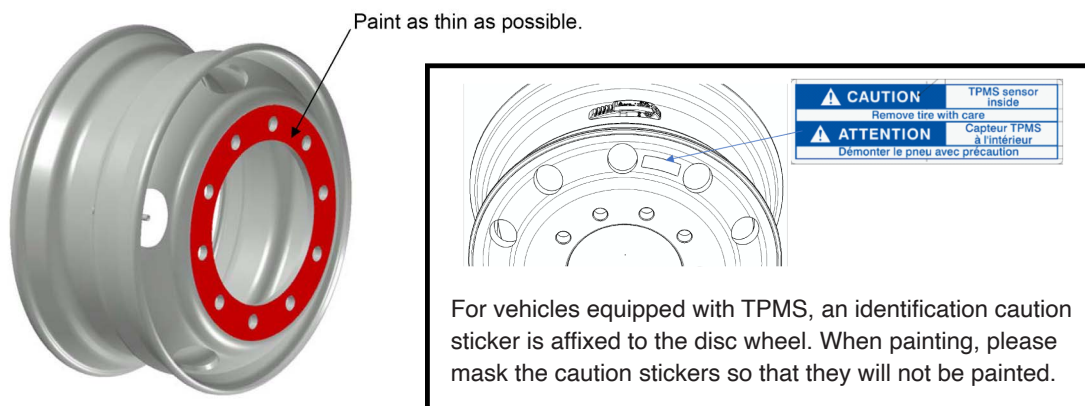
Refer to the illustration below concerning the covering portions.



- 2) After installing the wheel onto the vehicle, paint the remained portions with same color paint as thin as possible.

It is because these surfaces are installation surface rotation tire.

If the paint layer is thick, it causes wheel nuts to loosen.



- 3) Precaution for carrying out tire rotation

Sometimes, the mounting position of wheel may be changed and paint coated face may become contact face.

At this moment, if the thickness of the painted layer is excessively thick, this may lead to the loosening of the wheel nuts.

Therefore observe the following instructions when carrying out the tire rotation.

- (1) Take off the paint on the contact face (including the contact surface of wheel nut) of the wheel and after having completely cleaned the face with a wire brush etc., apply thin layer of paint for rust preventive purpose.
- (2) If you use the wheel without taking off the paint, even if the face is completely cleaned with wire brush, etc., the thick painted layer may lead to the loosening of wheel nuts.
- (3) For vehicles equipped with TPMS, please re-set the WUS (sensor) at the nearest authorized HINO dealer during tire rotation, as the WUS (sensor) moves with the tires.

12. PRECAUTION FOR INSTALLING WHEEL ONTO THE VEHICLE

Remove foreign material from the threads of the bolt.

Replace with new bolt when the thread of the bolt is damaged.

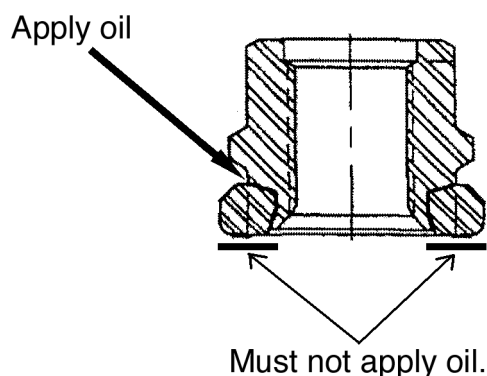
Lightly apply oil onto the thread of bolt.

Make sure that there is no foreign material on the contact surface of the hub, brake drum, and/or wheel.

Make sure that there is no foreign material on the contact surface of the wheel where the nut contacts the wheel.

Apply oil between seat metal and nut of the wheel nut when tightened by two piece nut.

Do not use molybdenum disulfide-based oil.



• Tightening torque of wheel nut

| MODEL | | NE (LOW PROFILE) (L6) | ALL |
|-------------------------|-------------|--------------------------|-----------------|
| NUMBER OF BOLT | | 8 | 10 |
| TIGHTENING DIRECTION | RH | CLOCKWISE | CLOCKWISE |
| | LH | CLOCKWISE | CLOCKWISE |
| TIGHTENING TORQUE | lb·ft (N·m) | 453±47 (614±64) | 453±47 (614±64) |