

# Chapter 8

## PAINTING

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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.

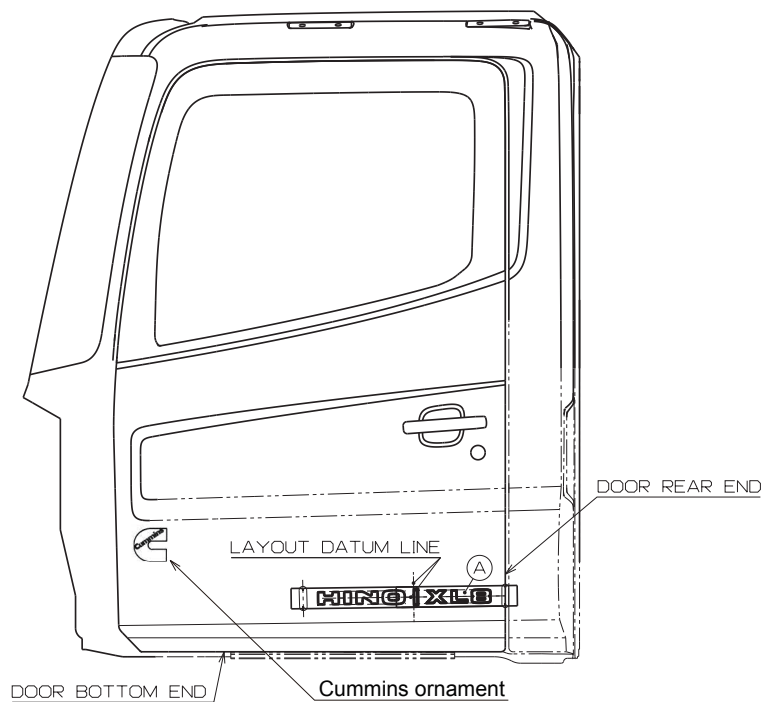
Strictly avoid painting rubber hoses and brake pipes including nylon tubes.

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".

### LH SIDE VIEW

(The RH side is symmetrical with the LH side)



(A)
XL7
XL8

Figures are shown to be representative of the XL8 model.

Should cover the ornaments when painting around ornaments to avoid painting to ornaments.

## 2. PRECAUTIONS FOR USE OF THINNER AND SOLVENTS CONTAINING THINNER

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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		P / 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 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	Working lamp	At the cab back	P
32	White sheeting	At the cab back	P

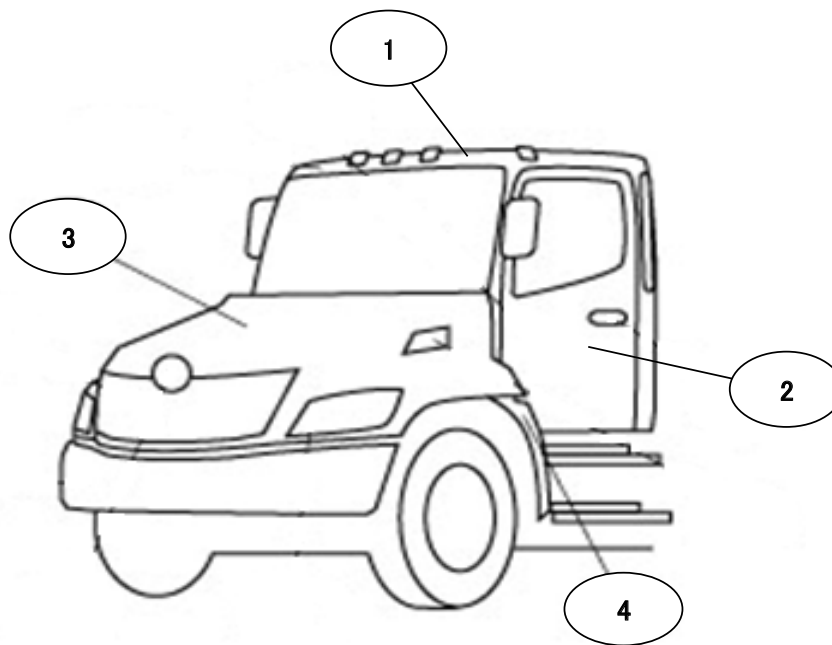
[NOTE] P: Plastic } When thinner etc. is used, breaking and cracking etc.  
 R: Rubber } can be caused.  
 S: As these are painted steel plate, the luster is lost when thinner etc. is used.  
 O: The writing disappears when thinner etc. is used.



### 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	



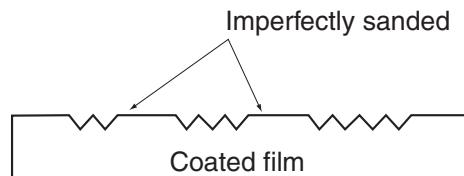
## 4. PROPER PRECAUTION OF THE TOP COAT OF PAINT

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

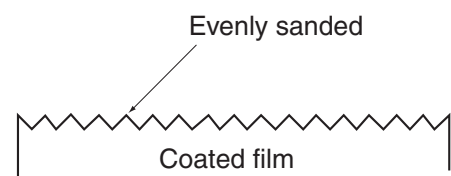
Make sure that the sanding is even and complete.

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 film thickness of top coat should be at 30  $\mu\text{m}$  and the total paint thickness including undercoat and primers should be at least 80  $\mu\text{m}$ .

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

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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, washer tank, etc., from the vehicle when using forced drying over 80°C (176°F). (Refer to the following figure.)

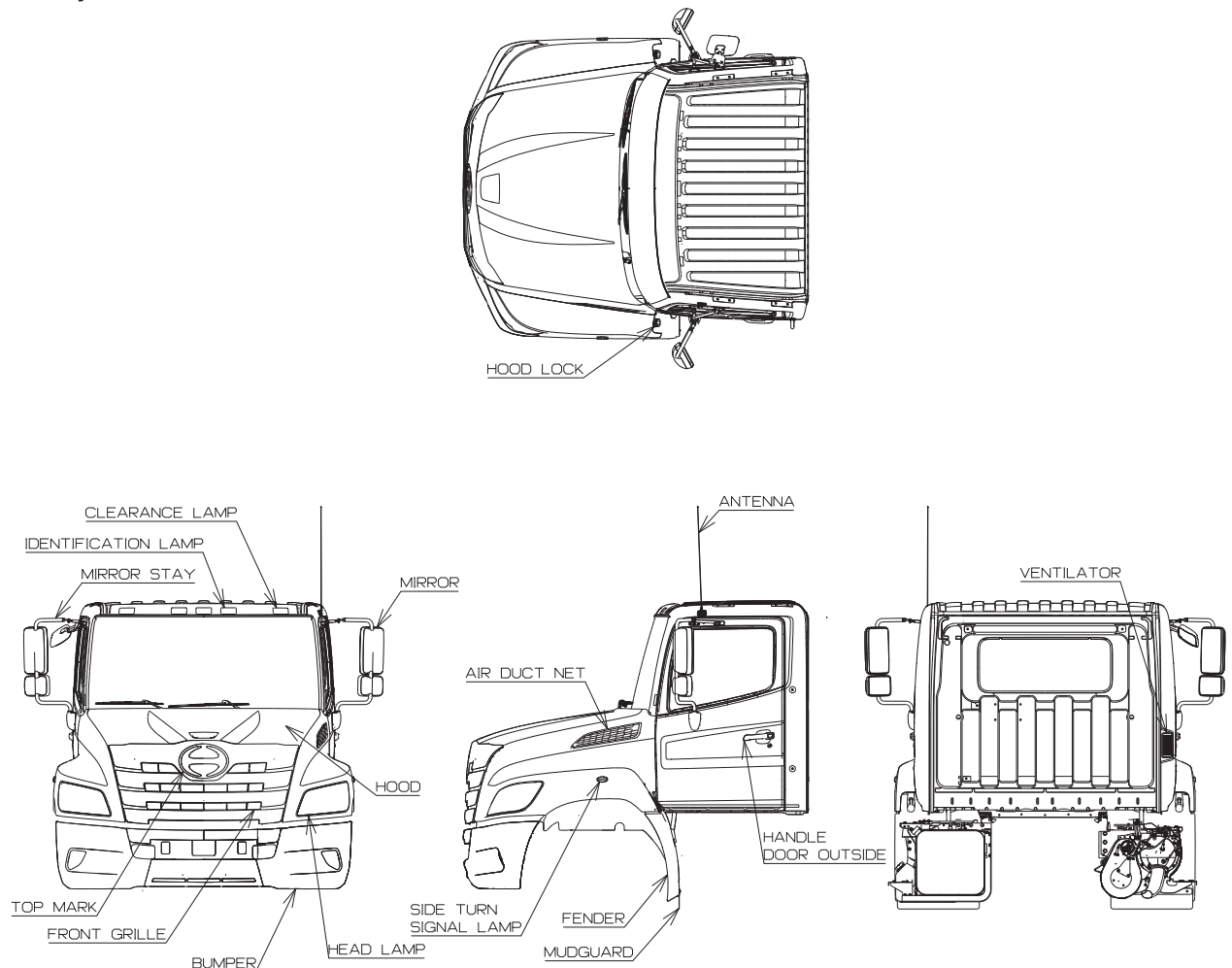
Many plastic parts are used, so please be careful not to forget to remove them.

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	Quarter pillar G/N	Glass fiber reinforced polyurethane + Fabric	80	176
13	B pillar G/N	Glass fiber reinforced polyurethane + Fabric	80	176
14	C pillar G/N	Glass fiber reinforced polyurethane + Fabric	80	176
15	Cover, grip, quarter pillar	Polypropylene	80	176
16	Bracket, cover, grip	Polypropylene + Steel	80	176
17	Mat, floor RR	PVC & Felt	80	176
18	Scuff plate RR	Polypropylene	80	176

## OUTSIDE ACCESSORY

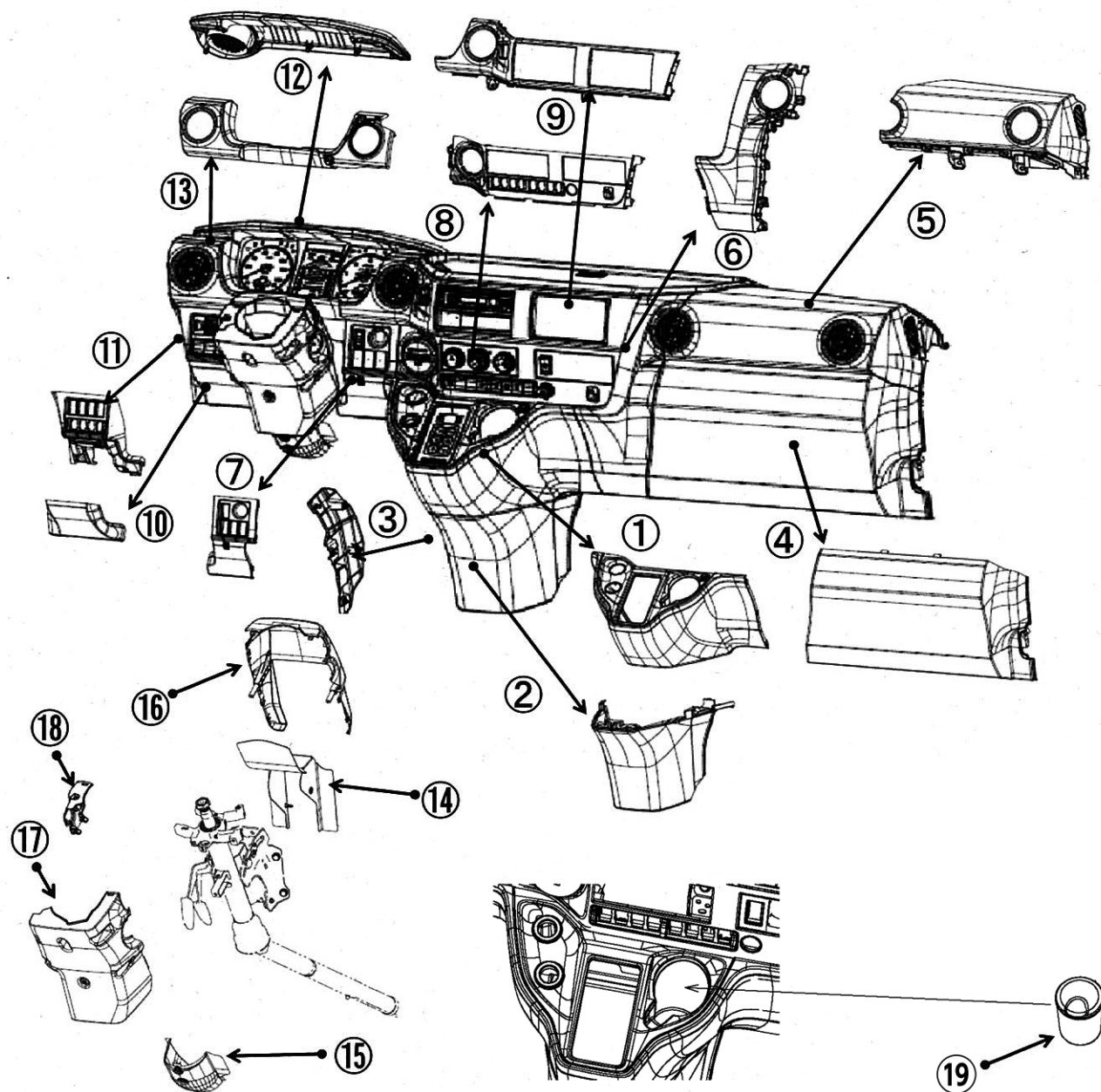
No.	Part name	Material	Allowable heat limit	
			°C	°F
1	Emblem (Top mark)	ABS	80	176
2	Grille, radiator	ABS / ASA	80	176
3	Hood	SMC	80	176
4	Cover, outside mirror stay	ASA	80	176
	UPR/LWR Mirror Bracket	PA6+GF50	80	176
	End cap, mirror stay	PA6+GF50 / ASA	80	176
5	Mirror, outside	ABS	80	176
6	Lens, identification 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	Bumper	Polypropylene	80	176
19	DEF tank	HDPE	80	176
20	Working lamp	Polycarbonate	80	176



## OTHERS

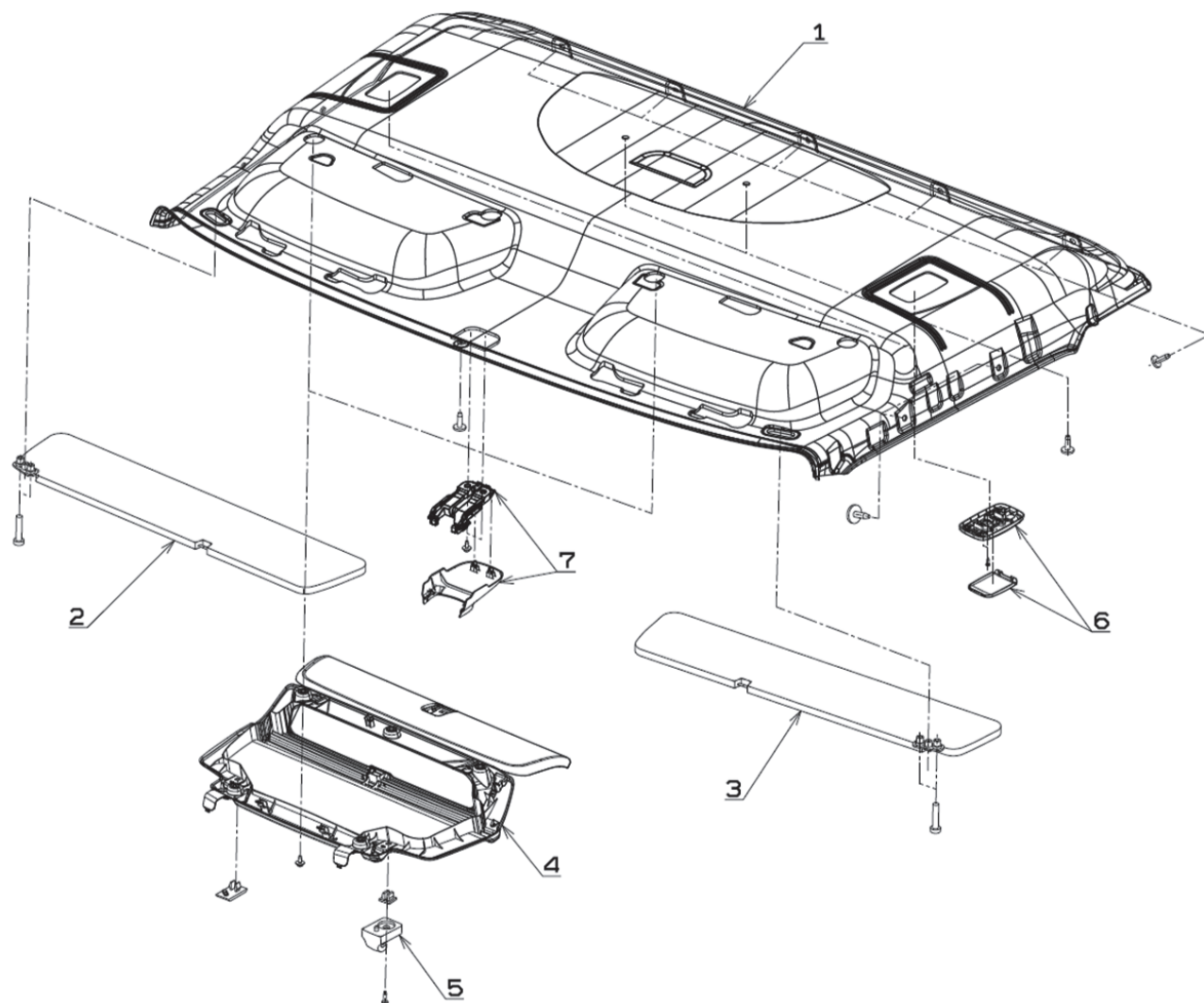
No.	Part name	Material	Allowable heat limit	
			°C	°F
1	Nylon tubes for brake piping	Nylon	90	194
2	Weather strip	Rubber	80	176
3	Duct, air	Polypropylene	80	176
4	Filter, air	Polypropylene	80	176
	Adjusting lever, steering column	Polypropylene	80	176
	Steering wheel	Urethane form	80	176
	Horn button	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 2200 and 2500 series	—	125	257
	Computer, Allison ATM 3000 and 3500 series	—	105	221
	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>



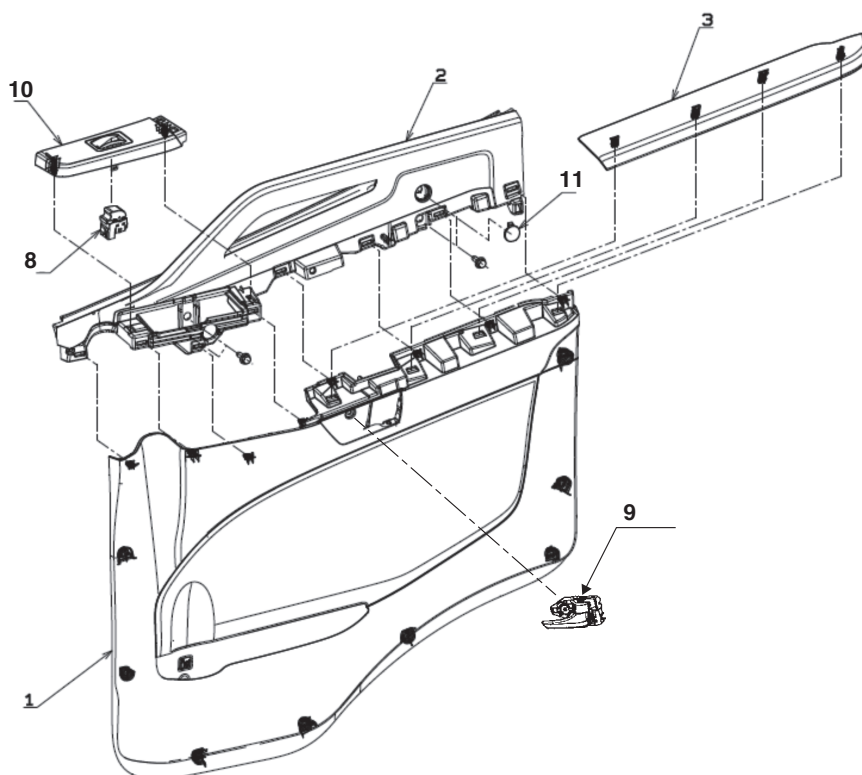
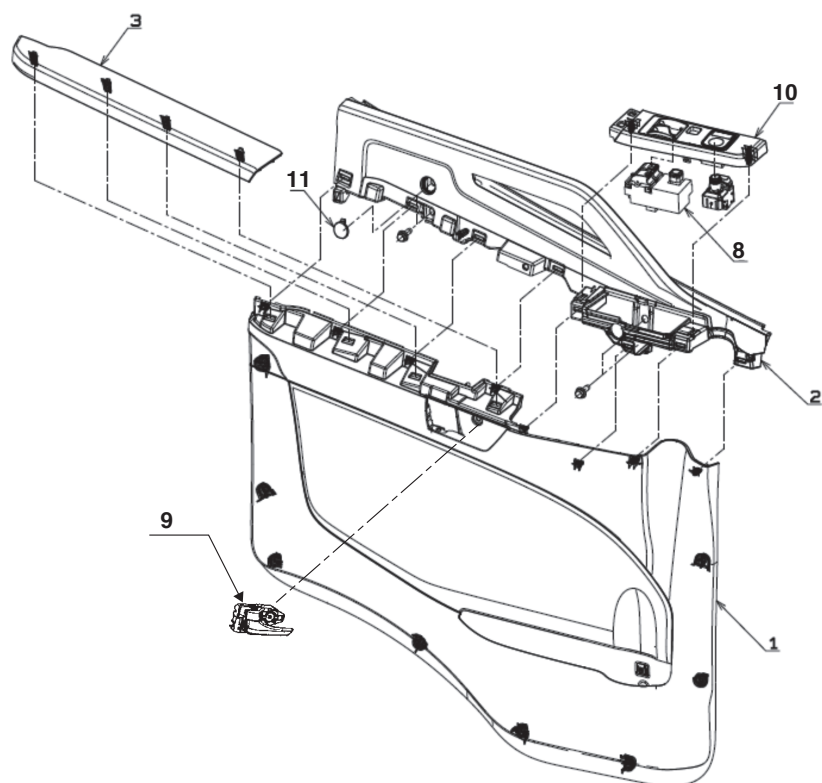
## ROOF ACCESSORY

&lt; Day Cab &gt;

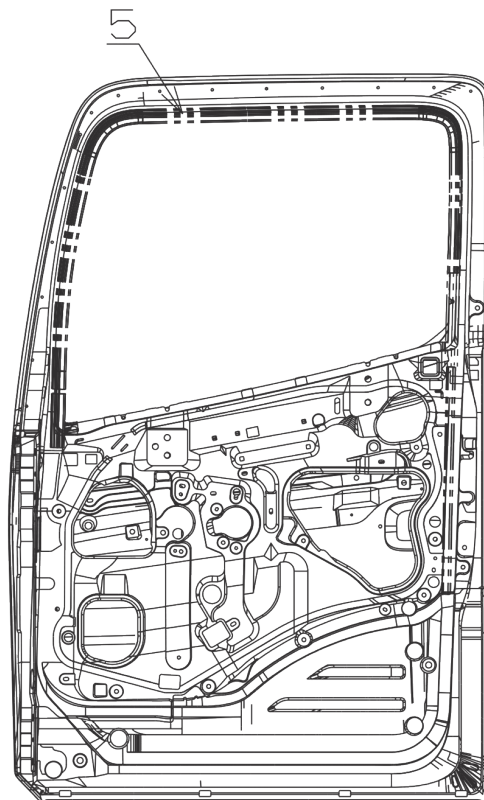
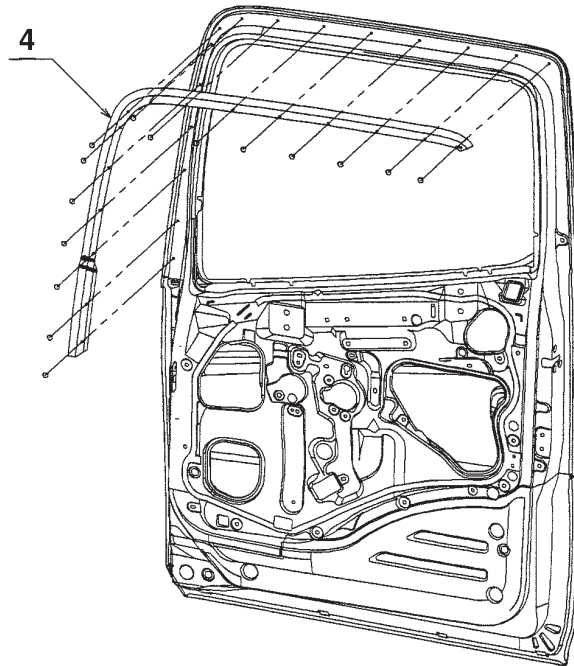


## DOOR ACCESSORY -1

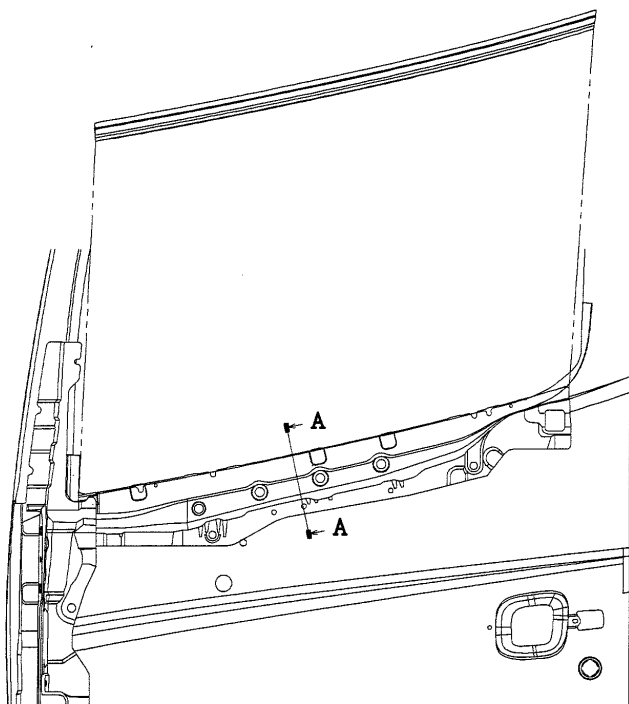
Fr Door



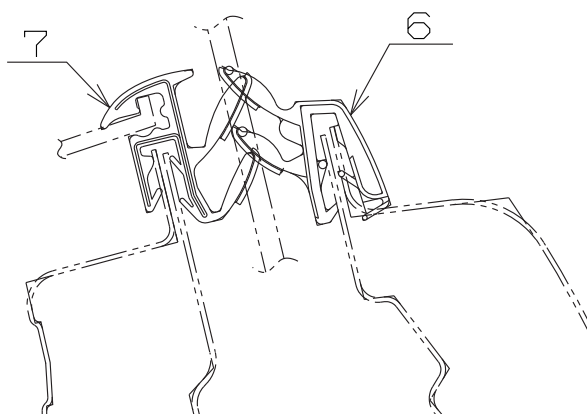
## DOOR ACCESSORY -2



## DOOR ACCESSORY -3



Fr Door

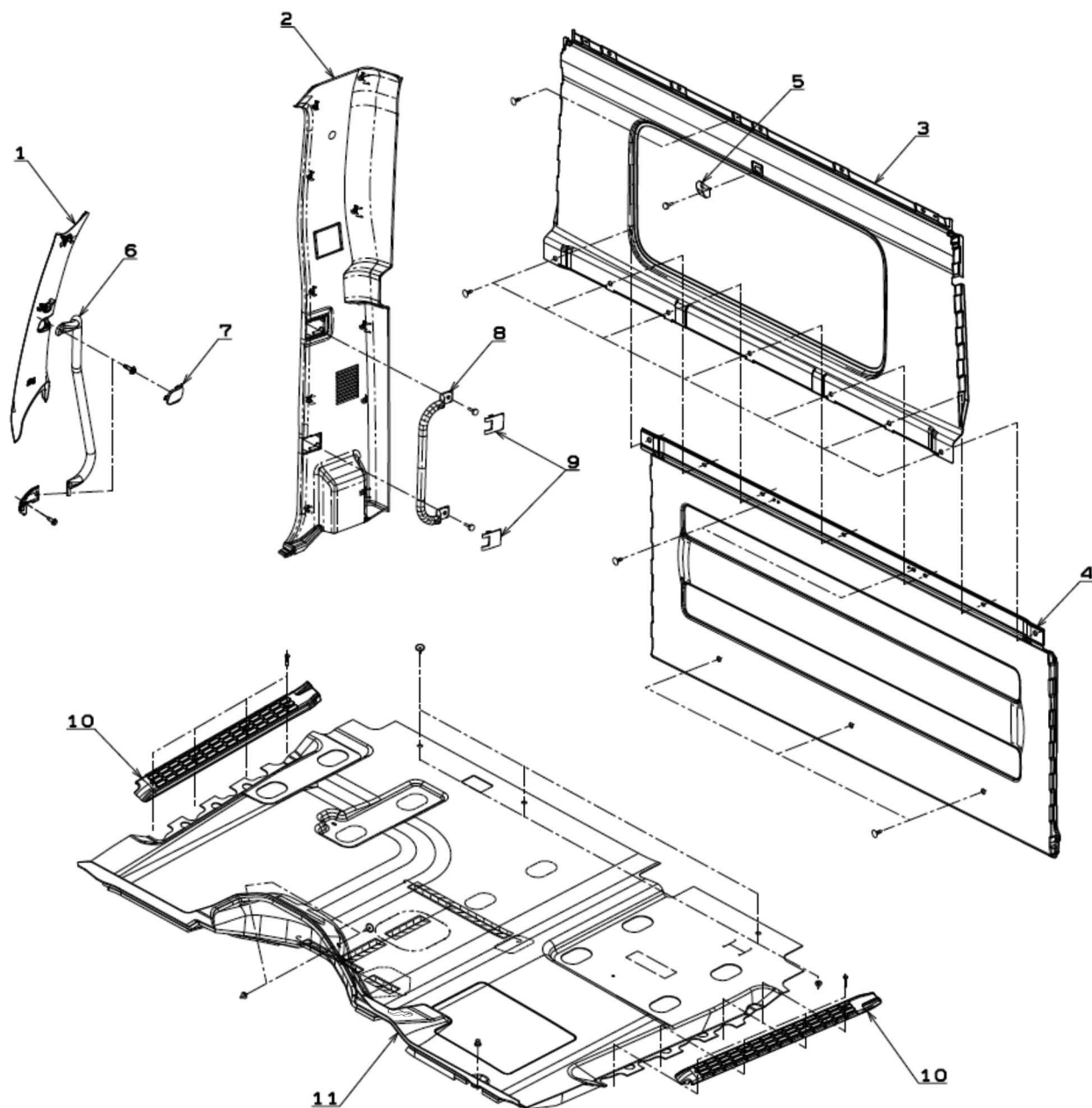


SECTION A-A



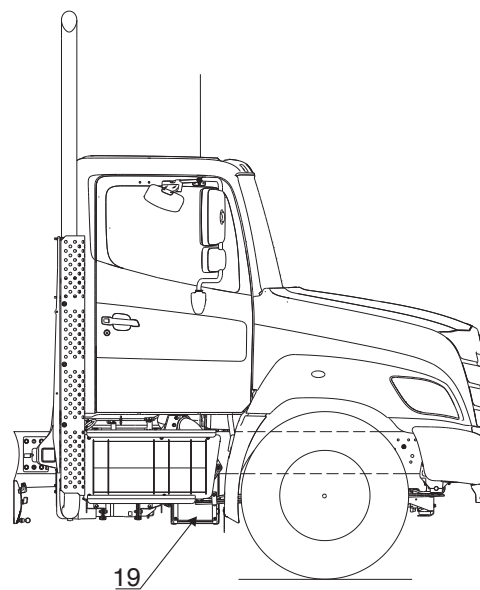
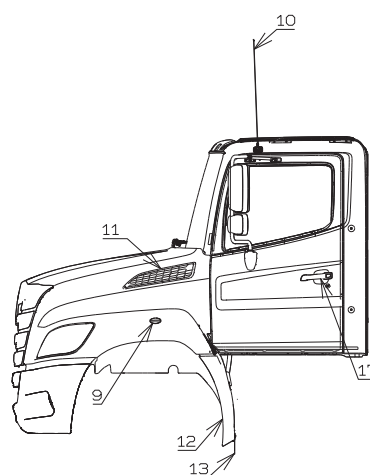
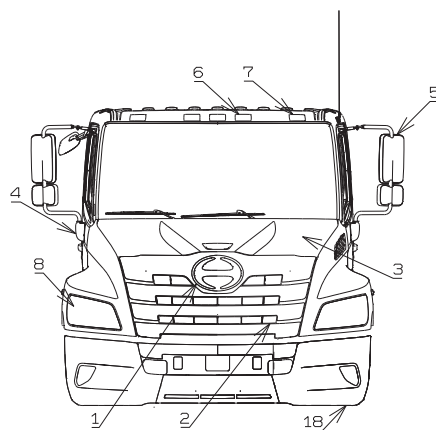
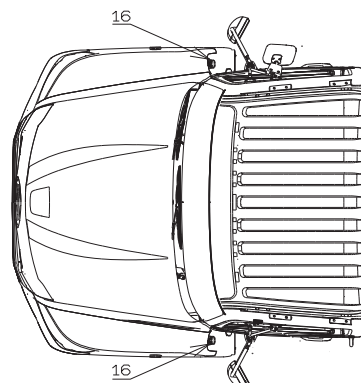
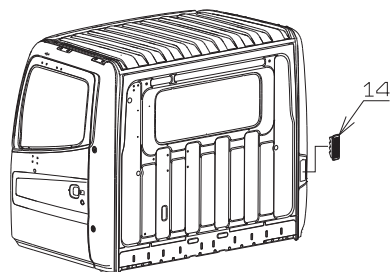
## INSIDE ACCESSORY

&lt; Day Cab &gt;



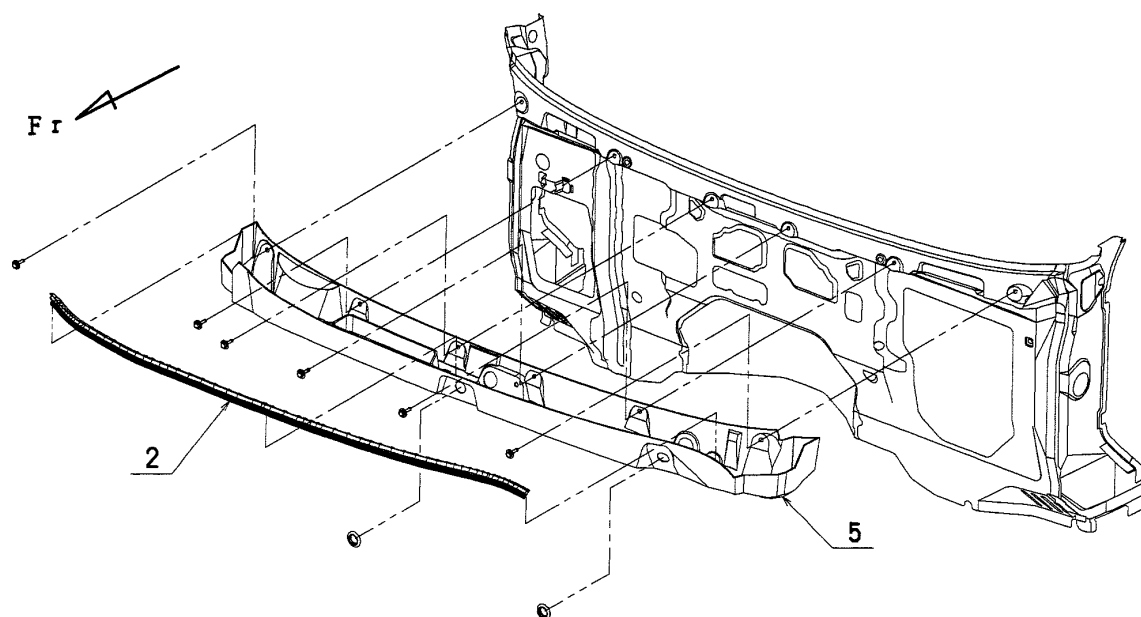
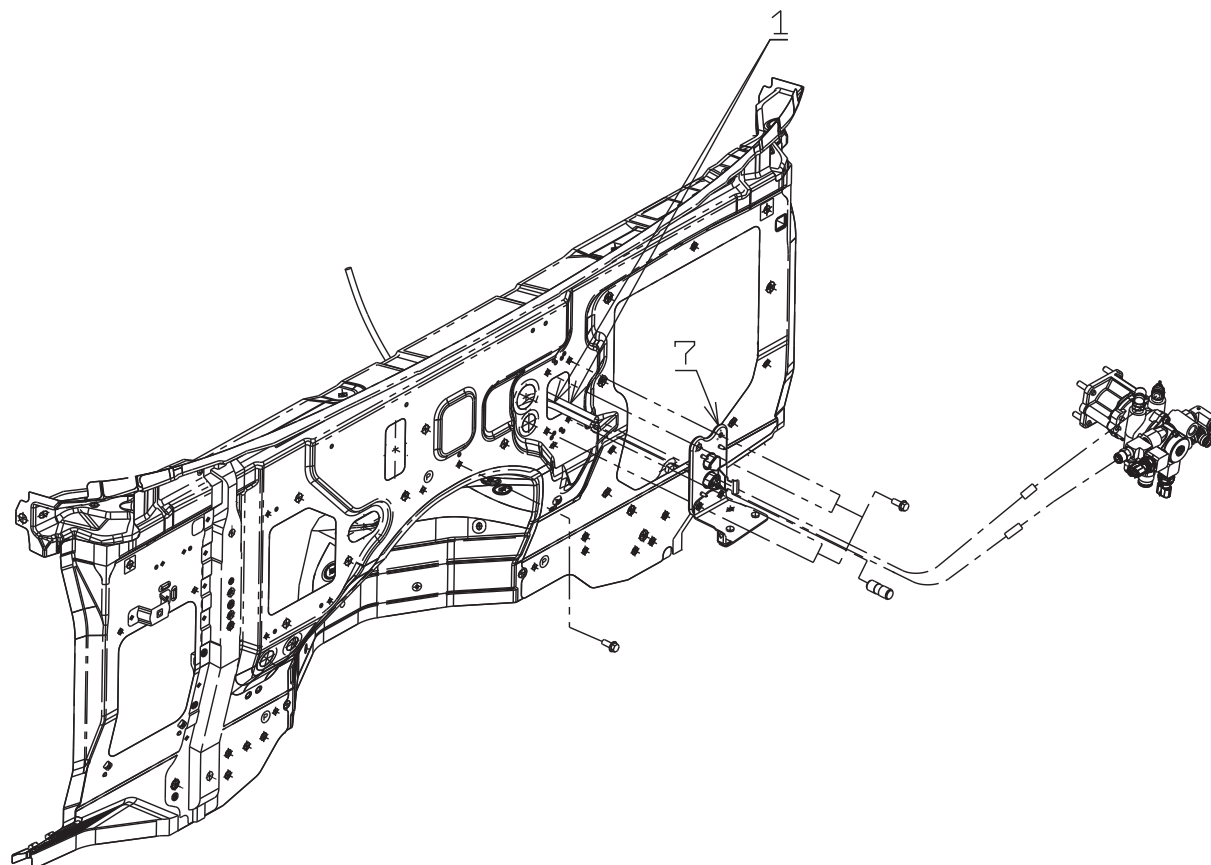
## OUTSIDE ACCESSORY

&lt; Day Cab &gt;

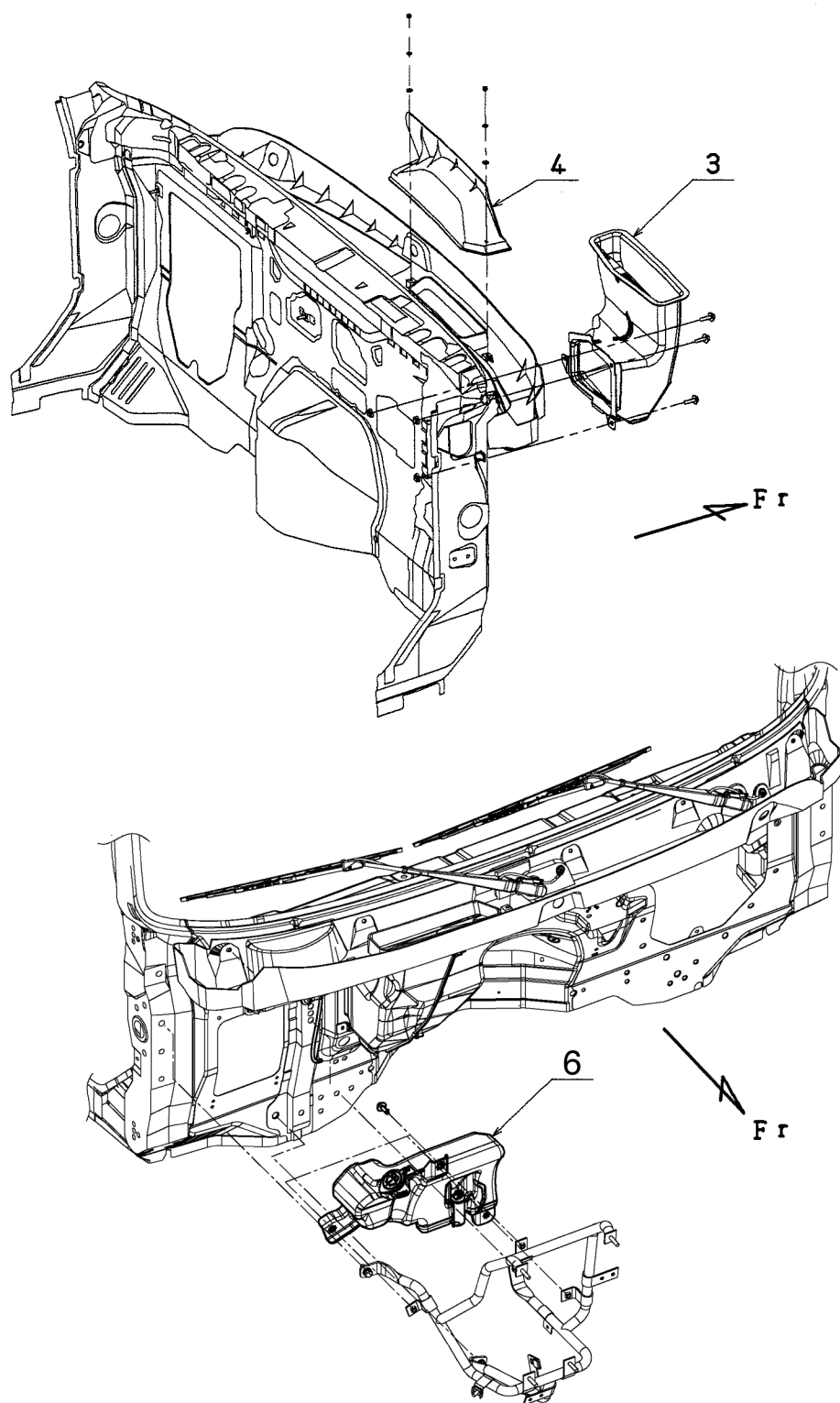




## OTHERS -1



## OTHERS -2



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

### Radiator grille

#### REMOVE RADIATOR GRILLE

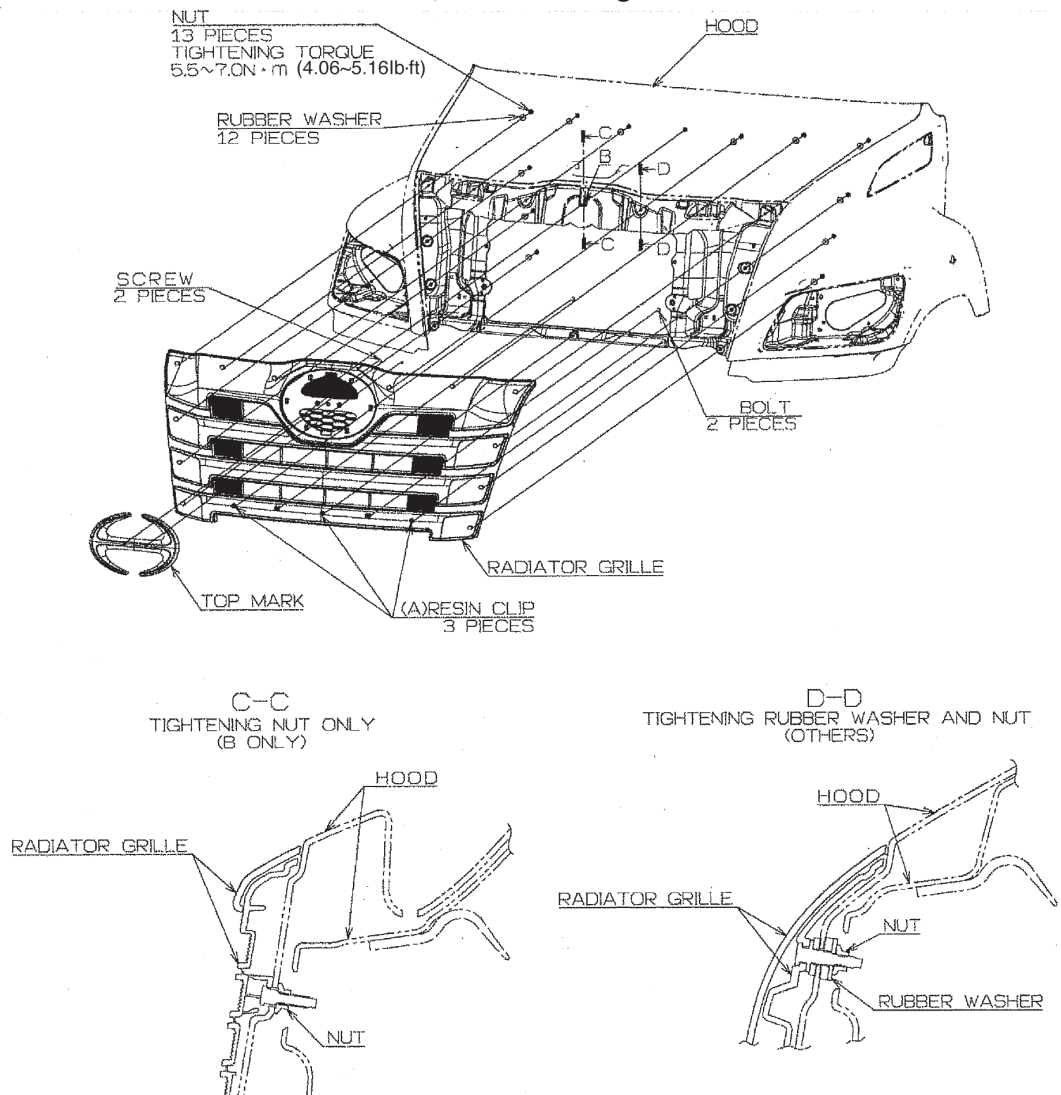
- After loosening the nuts (13 pieces) and rubber washers (12 pieces) from behind the radiator grille paying attention not to impact on them, remove resin clips (3 pieces) and bolts (2 pieces) and remove it from the hood.

#### 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, rubber washers (12 pieces) and bolt(2pieces).

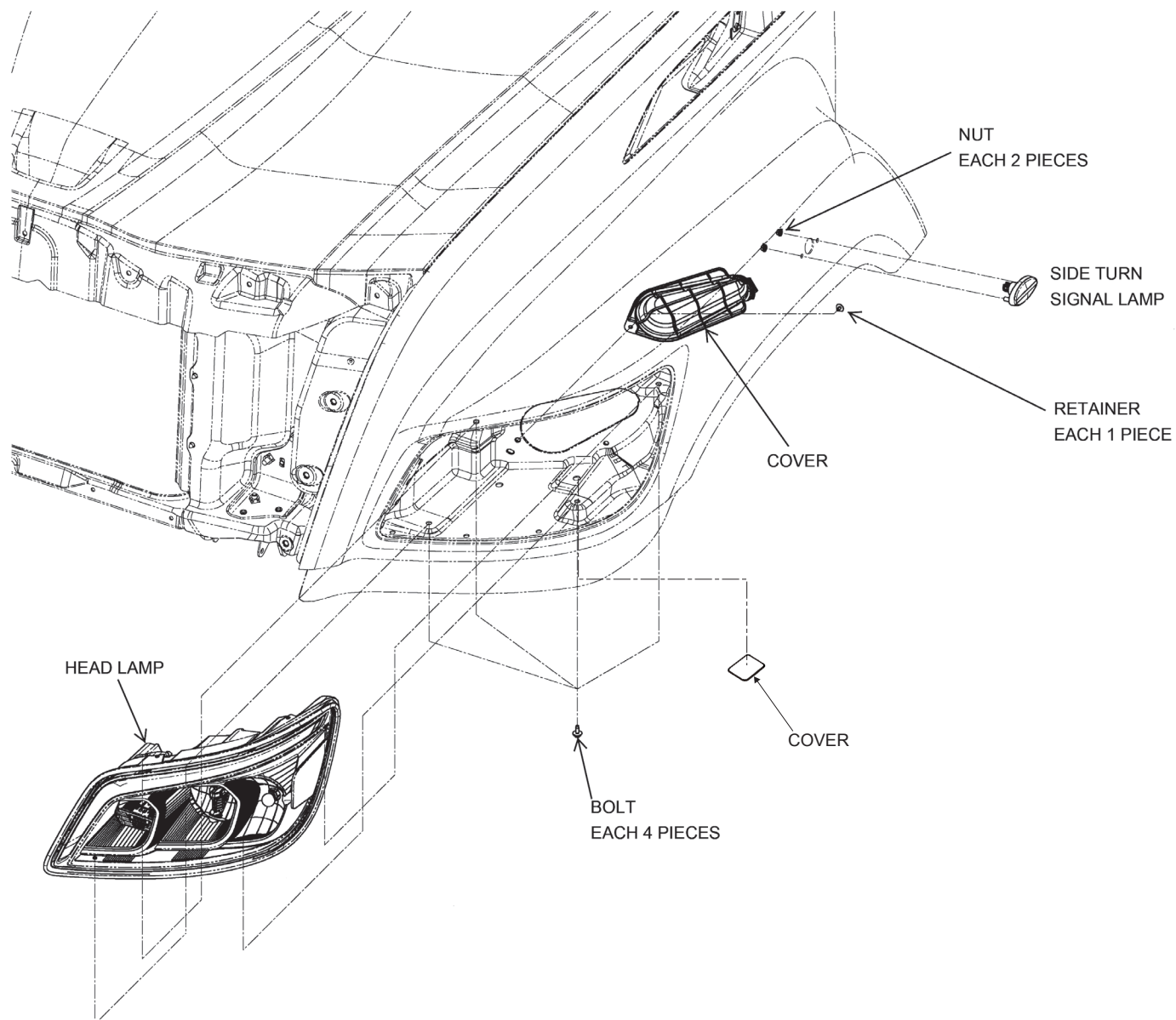
#### [NOTE]

Thread lock hardens in 24 hours, after fastening.



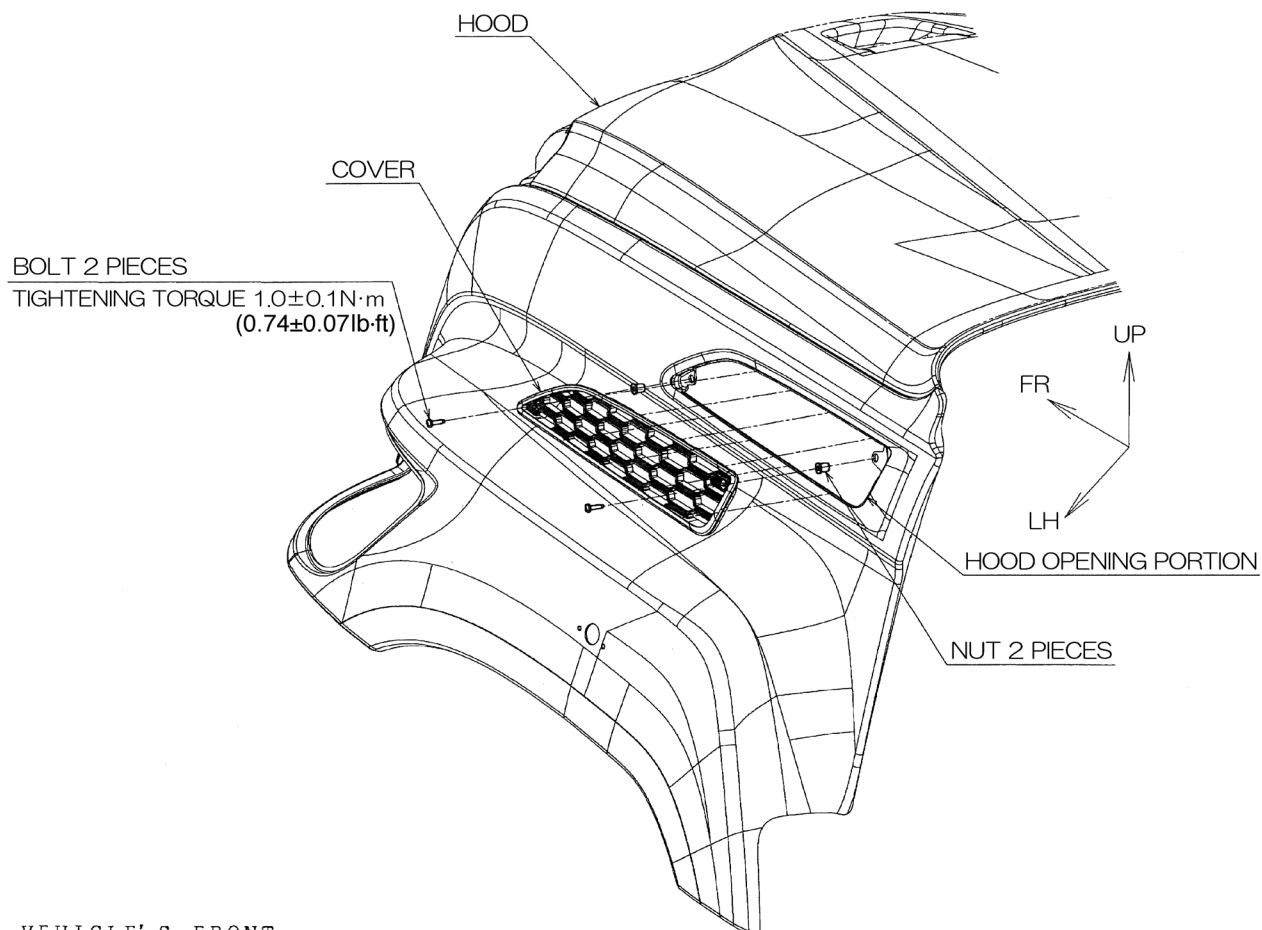
## Head lamp and side turn signal lamp

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

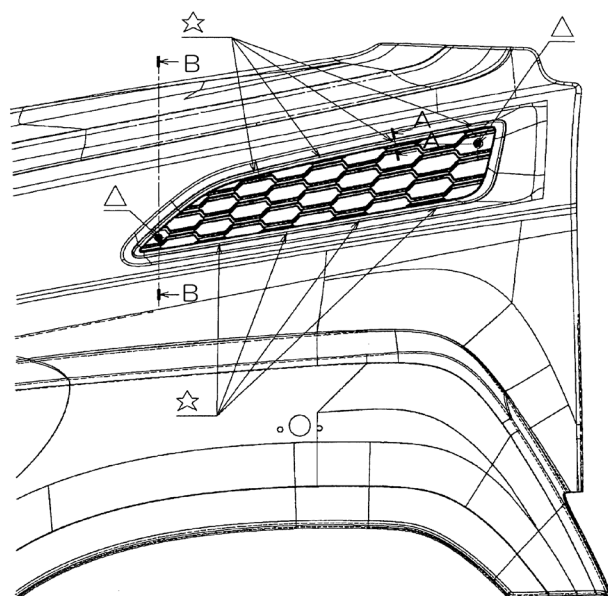


## Air duct inlet

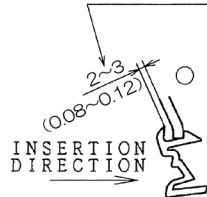
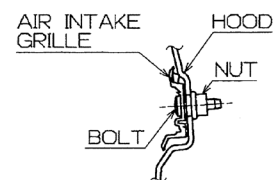
Unit : mm (in.)



VEHICLE'S FRONT

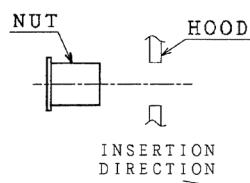


ASSEMBLE SO THAT DISTANCE TO HOOD IS THIS DIMENTION

SECTION A-A  
(☆MARK 8 PLACES)

SECTION B-B

VEHICLE'S OUT SIDE

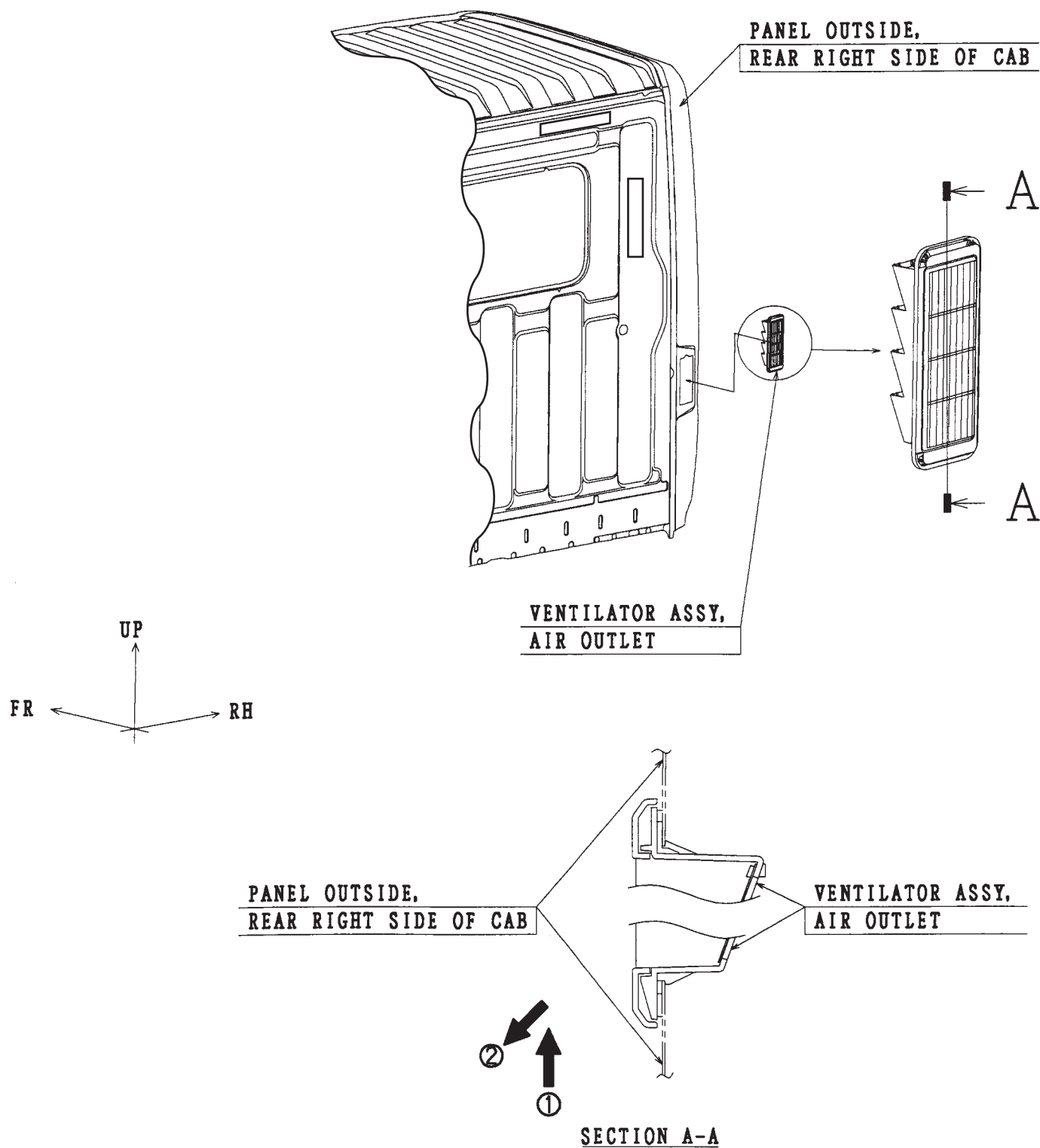


△MARK 2 PLACES

BE CAREFUL FOR INSERTING  
DIRECTION OF NUT.

## Vent (Day Cab ONLY)

- 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.





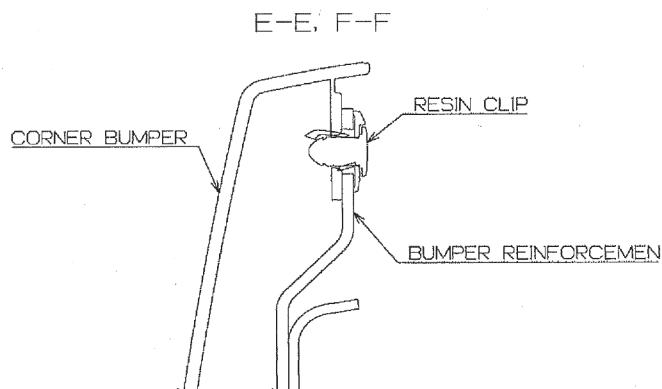
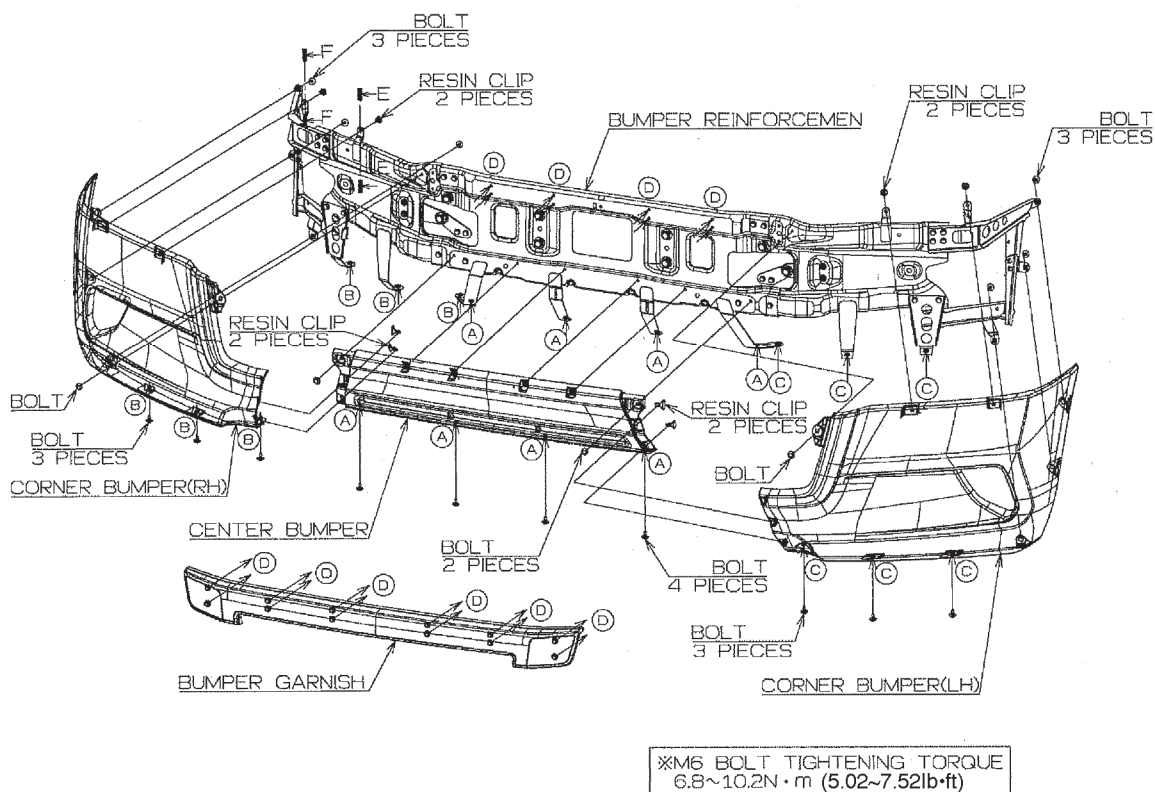
## Resin bumper

### REMOVE RESIN BUMPER

- ① Remove bumper garnish(12 pieces resin clips).
- ② Loose the bolt and remove clips and remove corner bumper cover. (7 pieces bolts and 4 pieces resin clips.)
- ③ Loose the bolt and remove clips and remove center bumper cover. (6 pieces bolts and 4 pieces resin clips.)

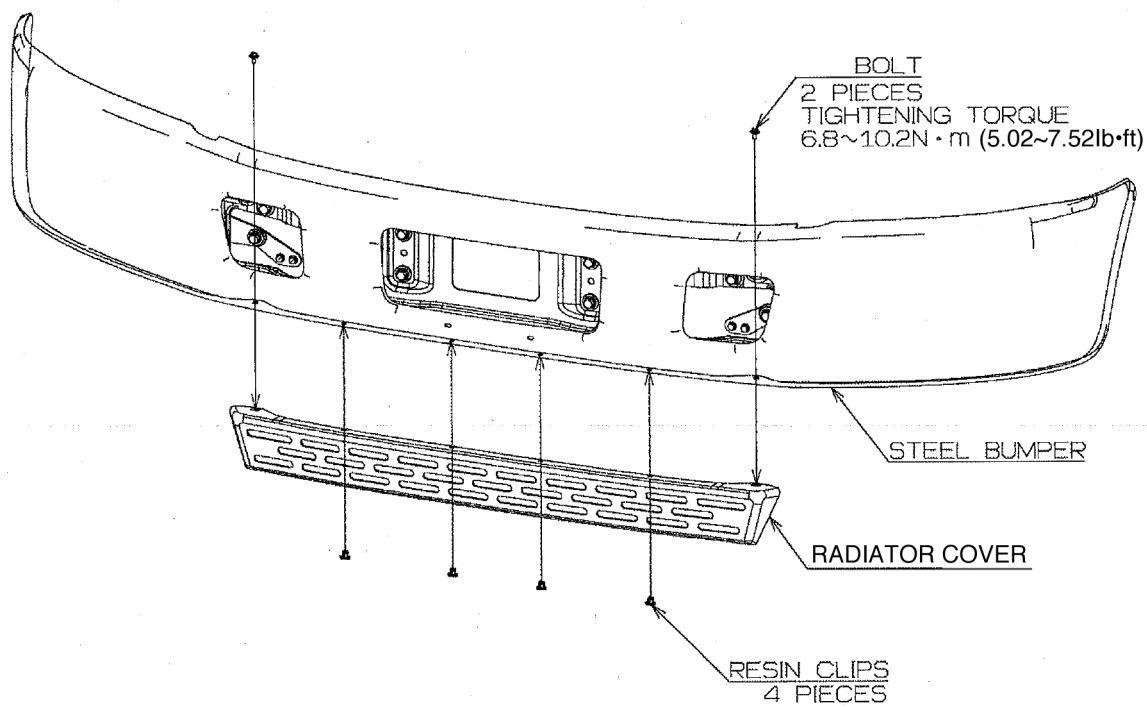
### INSTALL RESIN BUMPER

Adverse procedure of ①~③.



## Steel bumper

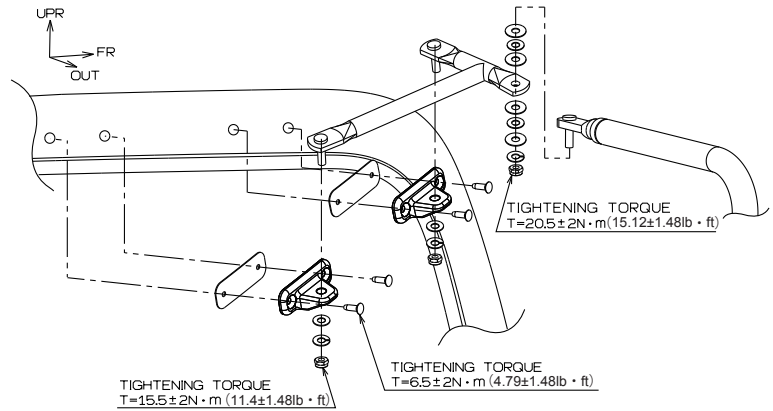
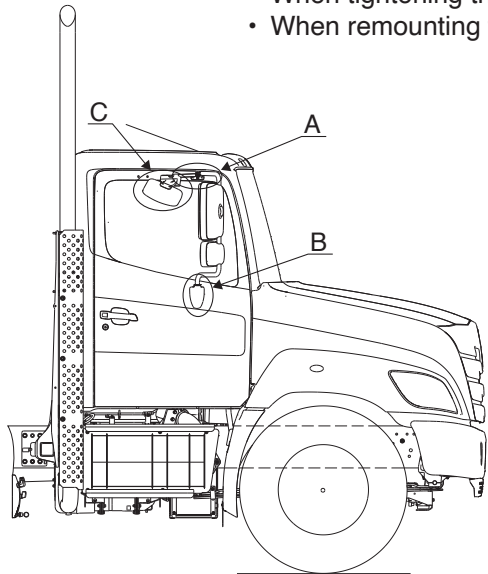
- Loose the bolts(2 pieces) and resin clips(4 pieces).



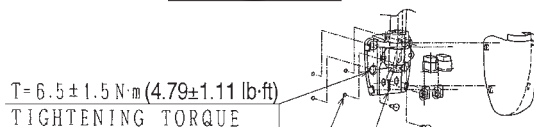


## Outside mirror and mirror stay <In case of Fixed Mirror>

- 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.



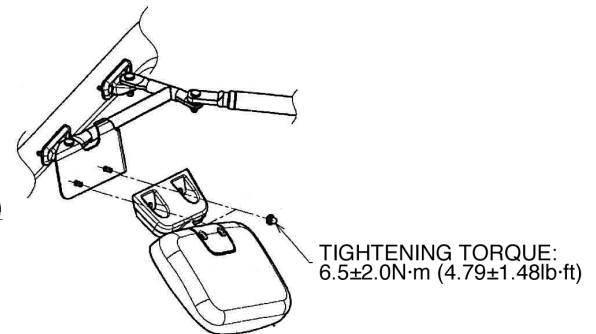
DETAIL OF A



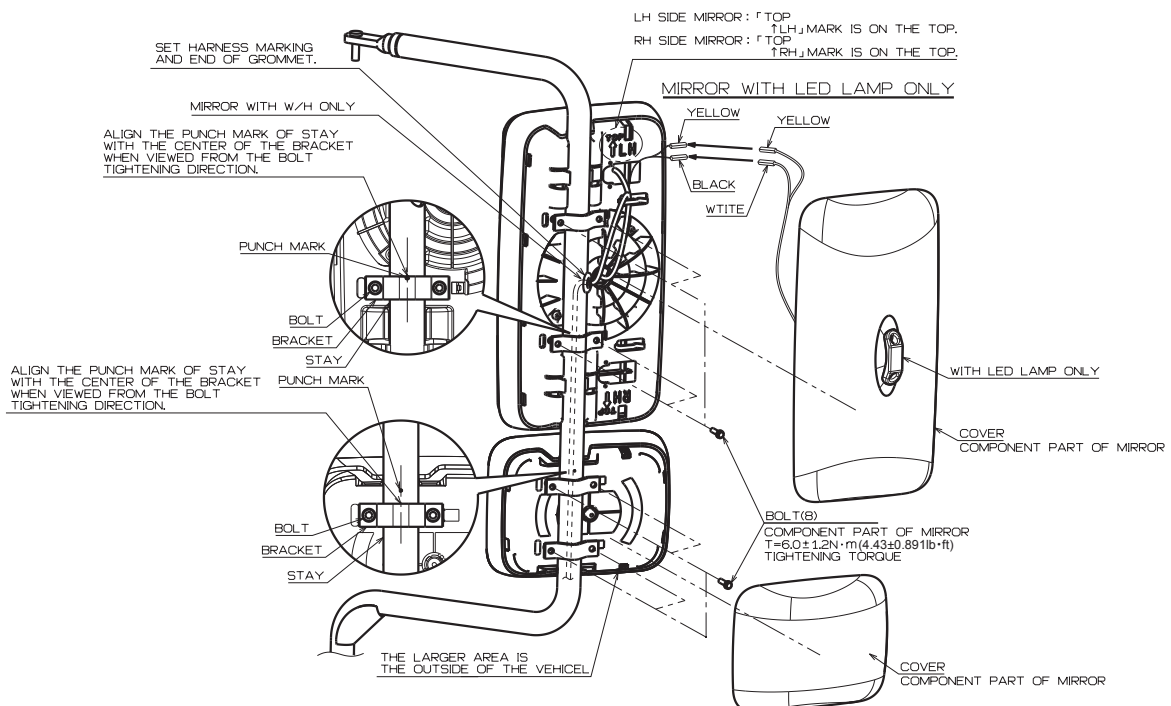
DOOR PANEL HOLE (4PIECES)

T=6.5±1.5N·m (4.79±1.11lb·ft)  
TIGHTENING TORQUEINSTALL HARNESS TO CONNECTOR  
AFTER PIERCE HARNESS IN MIRROR STAY.

DETAIL OF B

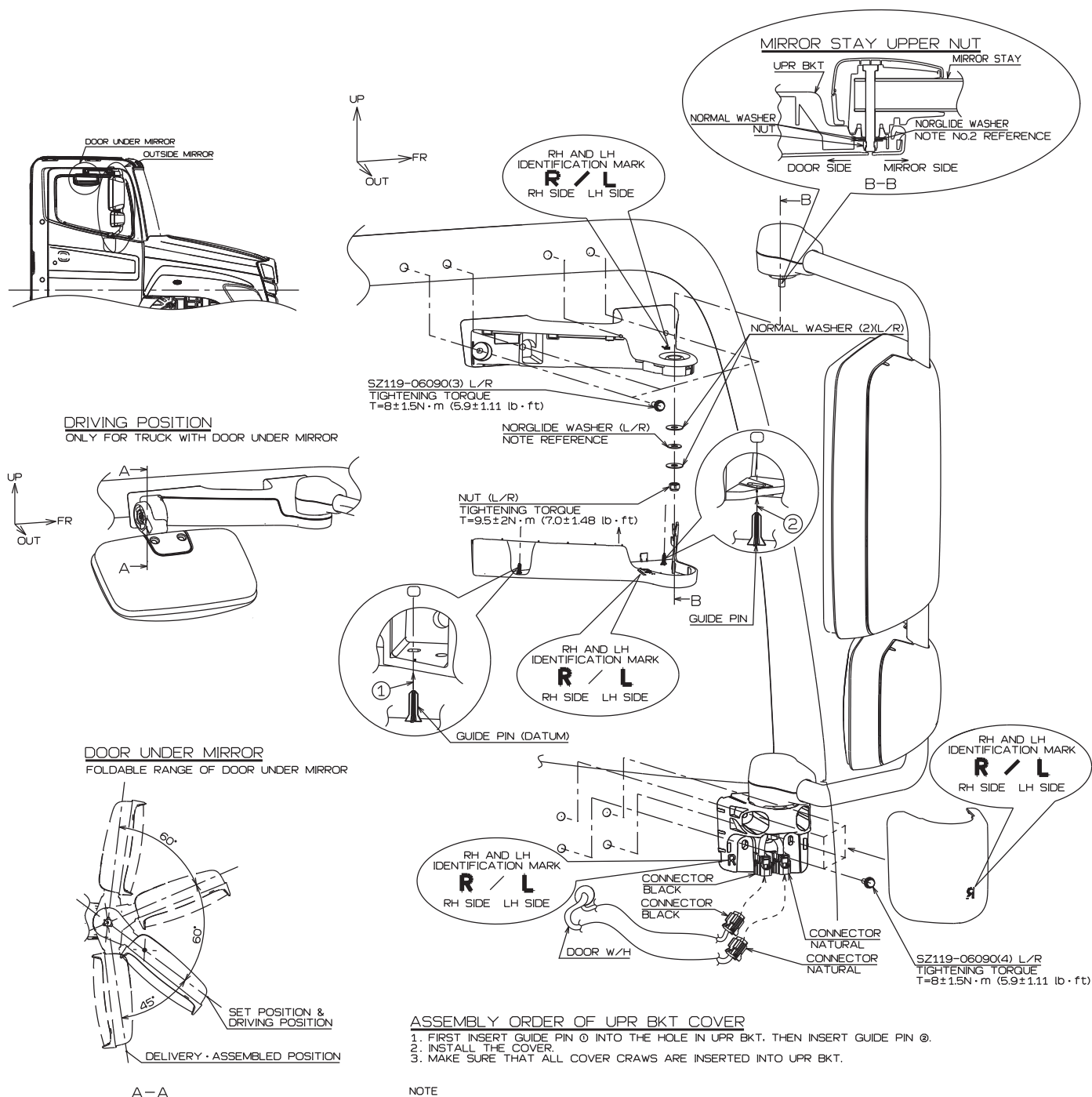


DETAIL OF C



**<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.



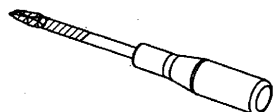
NOTE

- THE SLIDING SURFACE OF NORGLIDE WASHER CAN BE EITHER UP OR DOWN.  
NO INCORRECT ASSEMBLING AT POSITION OF NORGLIDE WASHER.
- BOLT(SZ119-06090) COMES WITH ADHESIVE.  
WHEN REUSING, CLEAN THE BOLT THREADS AND APPLY ADHESIVE(LOCTITE 263 OR EQUIVALENT) TO THE THREADS.

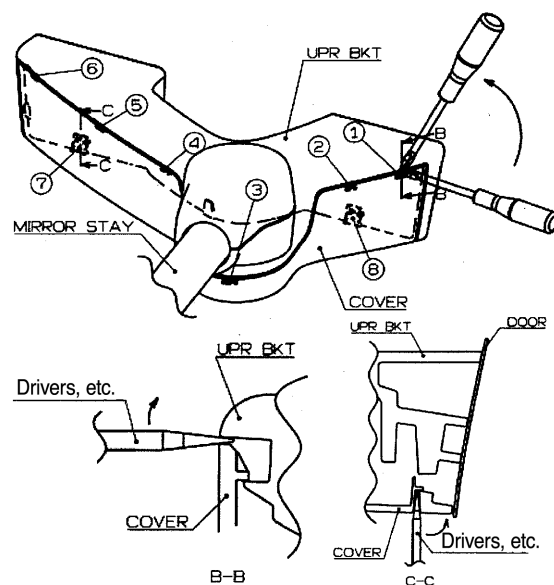
### <In case of Foldable Mirror>

#### HOW TO REMOVE UPPER BRACKET COVER

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

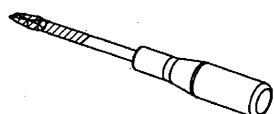


2. Insert a flat-blade screwdriver into part ① and move it in the direction of the arrow to remove the pawl.
  3. In the same manner, remove the pawl in the order of ②, ③, ..., and ⑧.
- ① ~ ⑥ : See B-B cross section  
⑦ ~ ⑧ : See C-C cross section

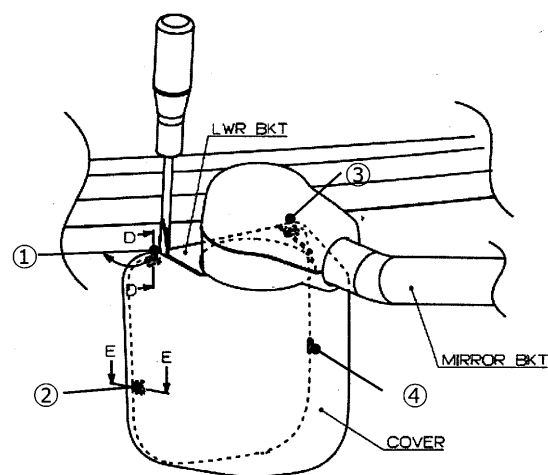
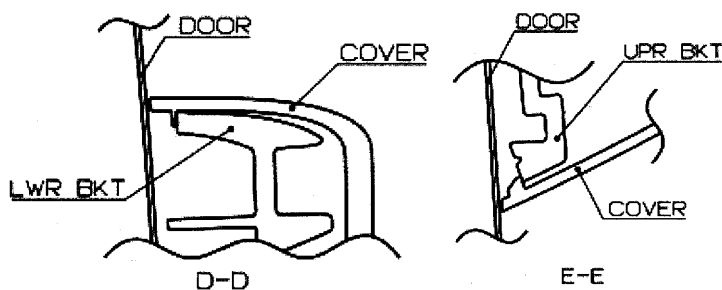


#### HOW TO REMOVE LOWER COVER

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.

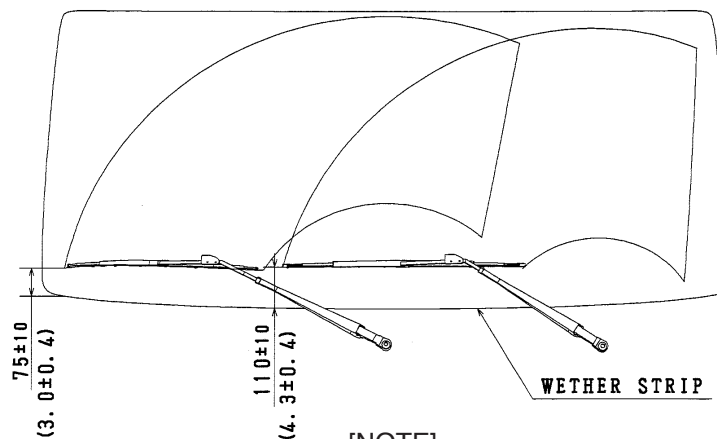
When tightening the wiper arms, tighten them by adjusting the blade position (height) within the limit as shown as the following figure.

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  
 $14 \pm 2.5 \text{ N}\cdot\text{m} (10.32 \pm 1.84 \text{ lb}\cdot\text{ft})$

### WIPER BLADE SET POSITION

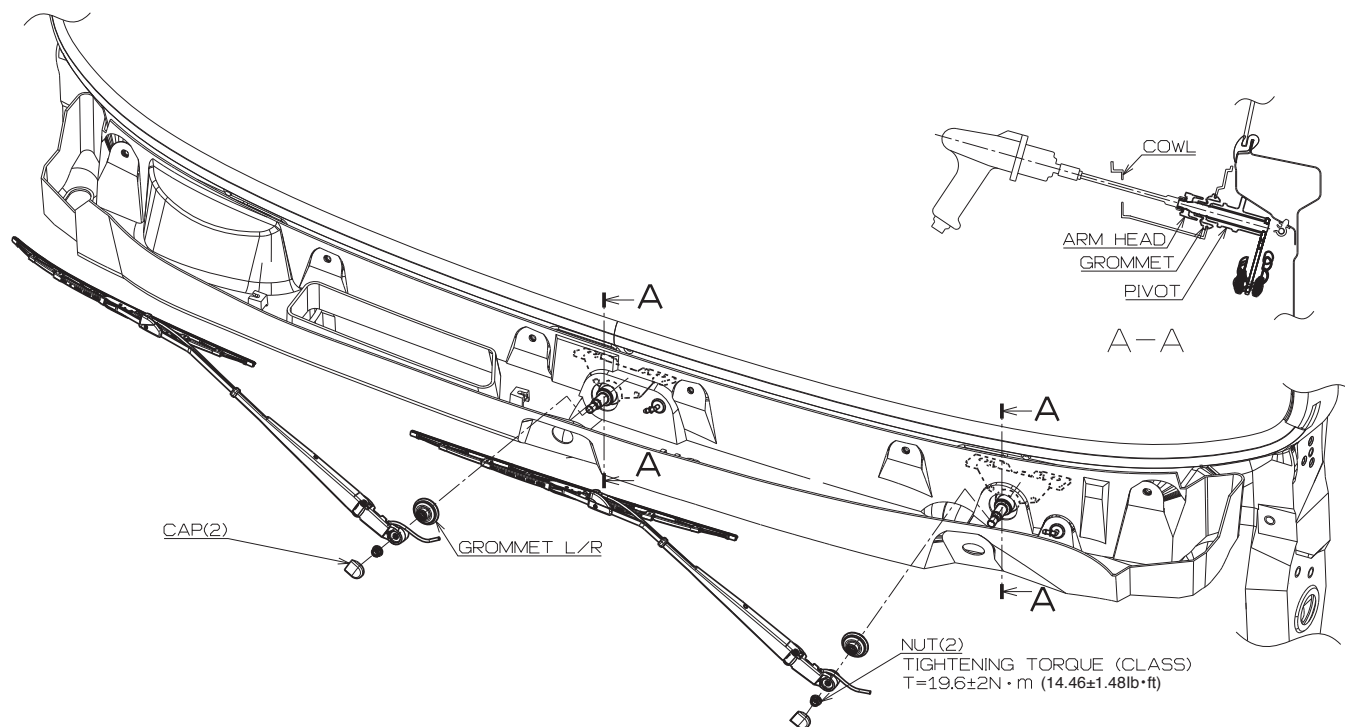
Unit: mm (in.)



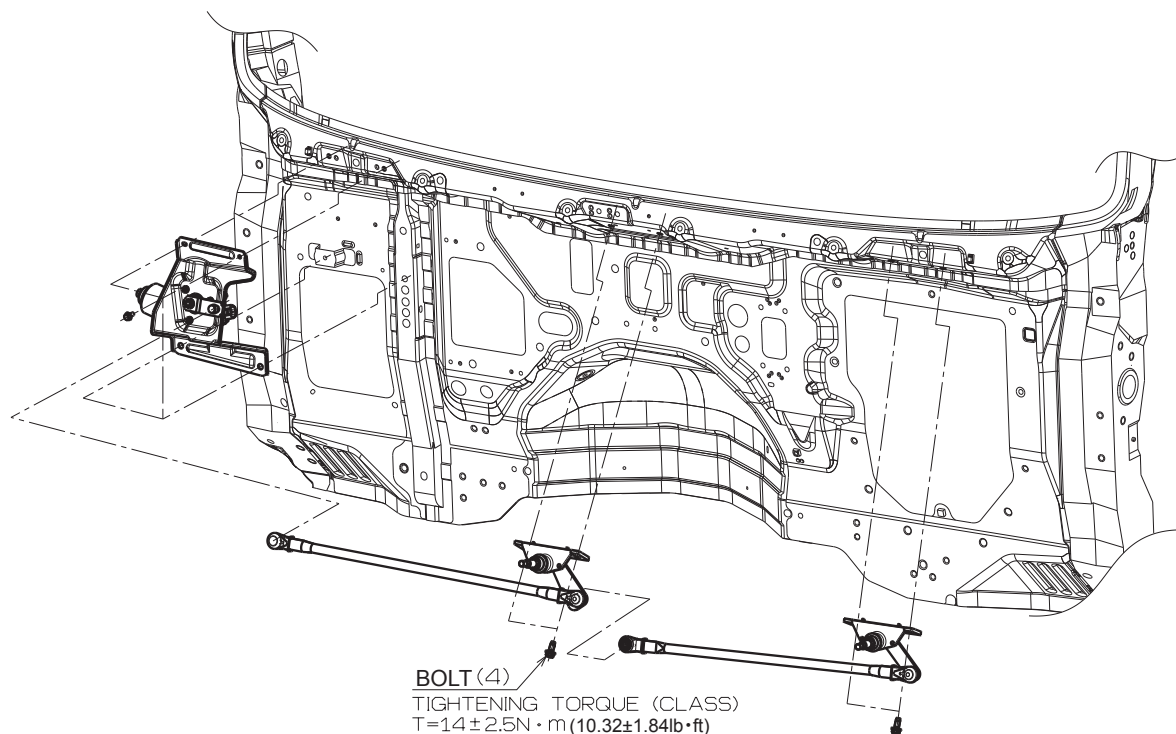
### [NOTE]

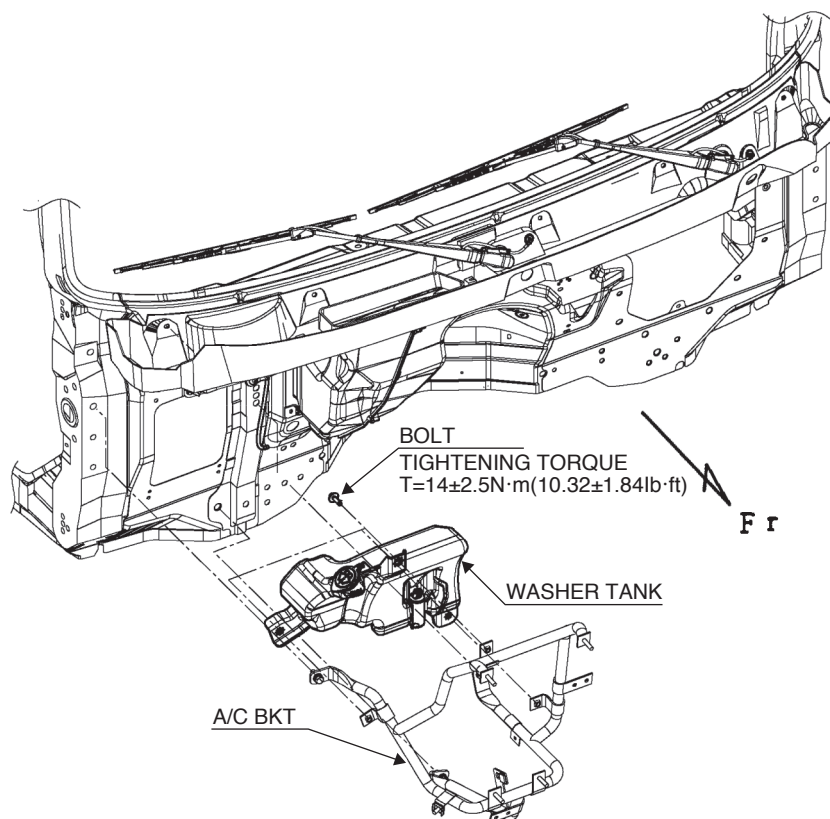
The set positions show the gaps at the top end of the blades.

## DETAIL OF WIPER ARM INSTALLATION



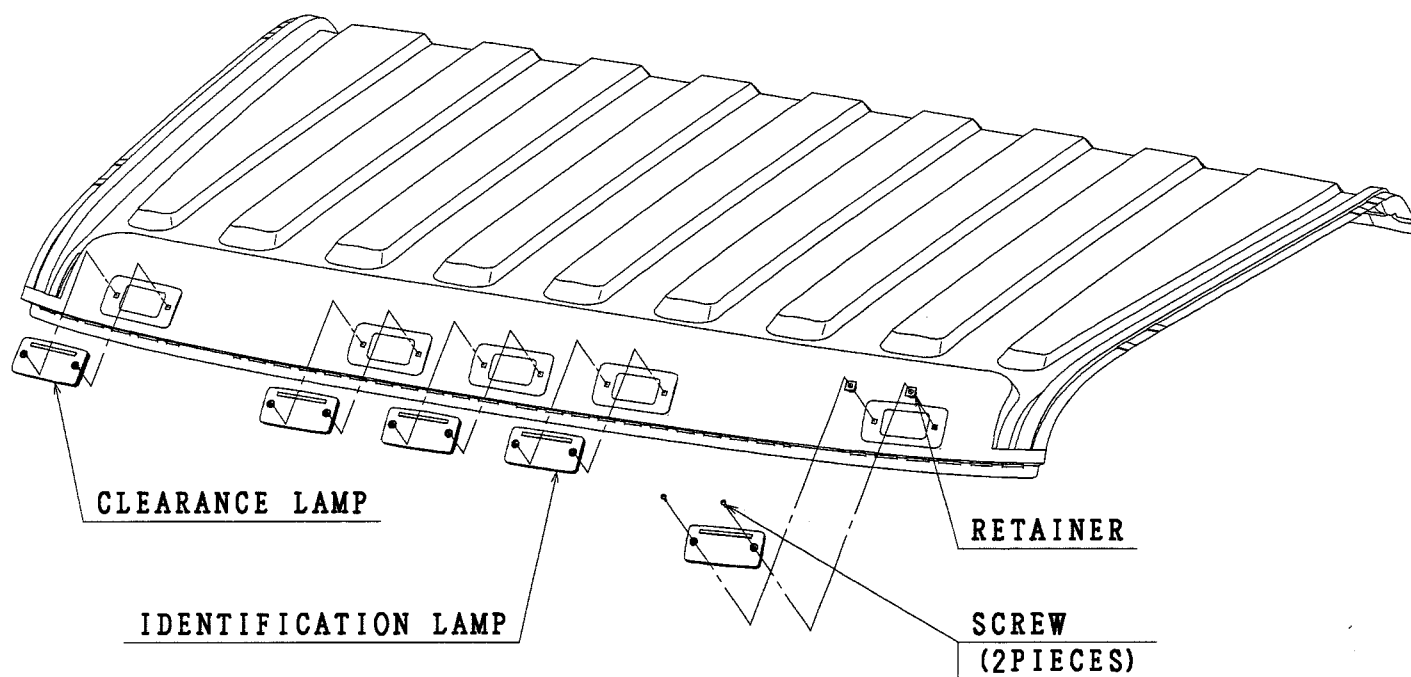
## DETAIL OF WIPER PIVOT AND LINK INSTALLATION



DETAIL OF WASHER TANK INSTALLATION

### Front cab roof clearance & Identification lamps

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

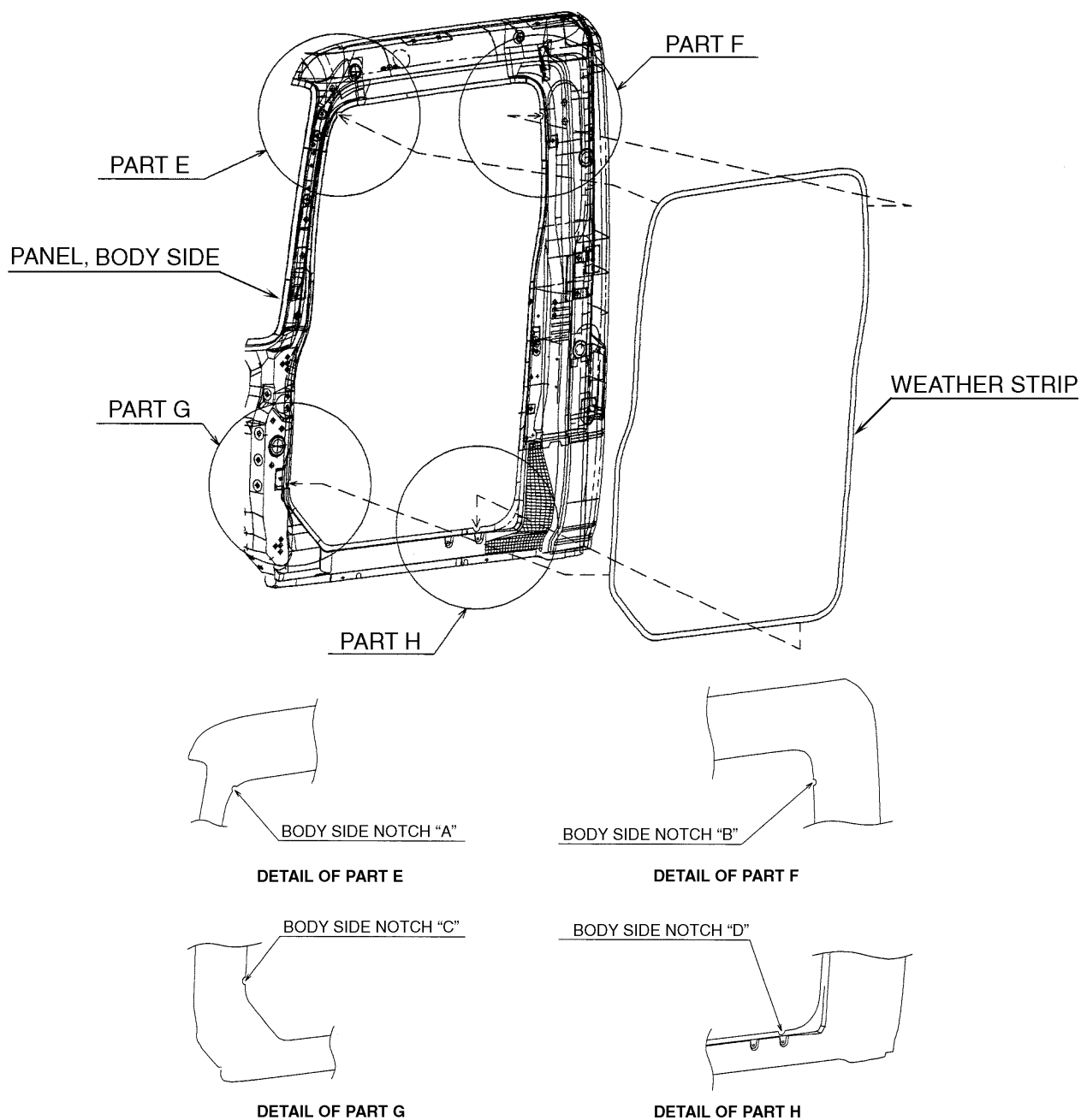


## 9. WEATHER STRIP INSTALLATION

- 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.

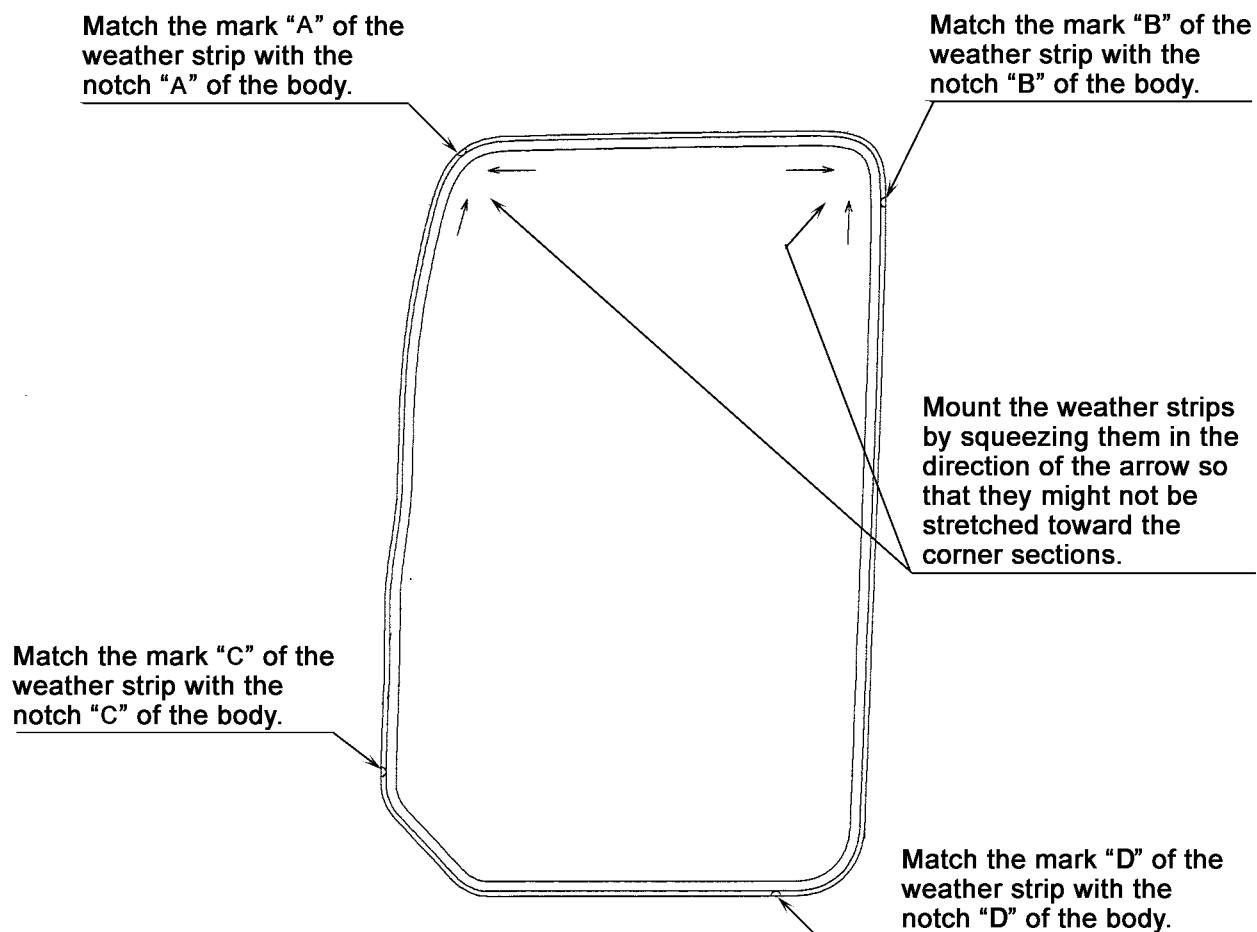
< Day Cab >

ILLUSTRATION OF THE WEATHER STRIP MOUNTING POSITION (Fr Door)





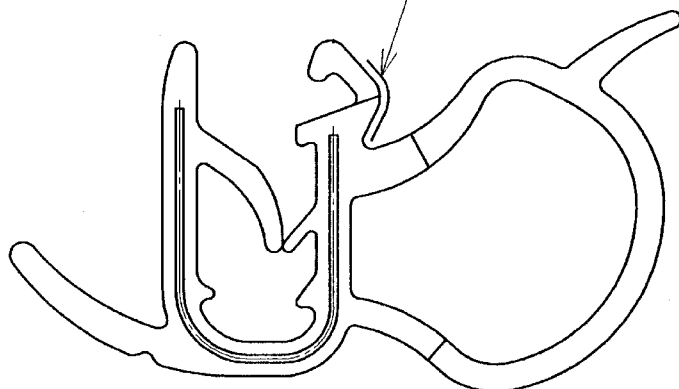
## ILLUSTRATION OF THE WEATHER STRIP MARK POSITION (Fr Door)



## 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.

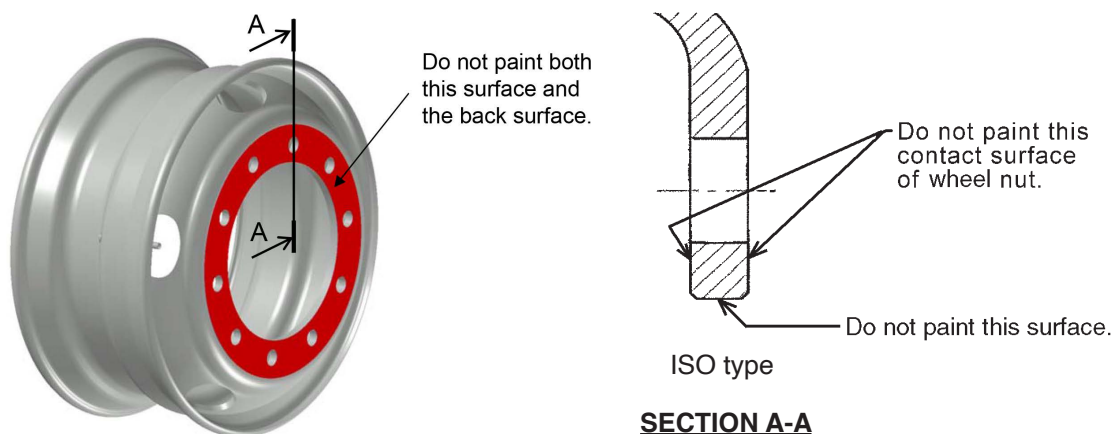
	CONDITION OF FORCED DRYING PAINT	HANDLING OF COMPUTER
1	<ul style="list-style-type: none"> <li>• INSIDE TEMPERATURE OF THE FORCED DRYING BOOTH : 100°C (212°F)</li> <li>• INSIDE TEMPERATURE OF THE CAB : LESS THAN 80°C (176°F) (PLACE AT THE 50mm (2.0 in.) HEIGHT FROM UPPER SURFACE OF CAB FLOOR.)</li> </ul>	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]

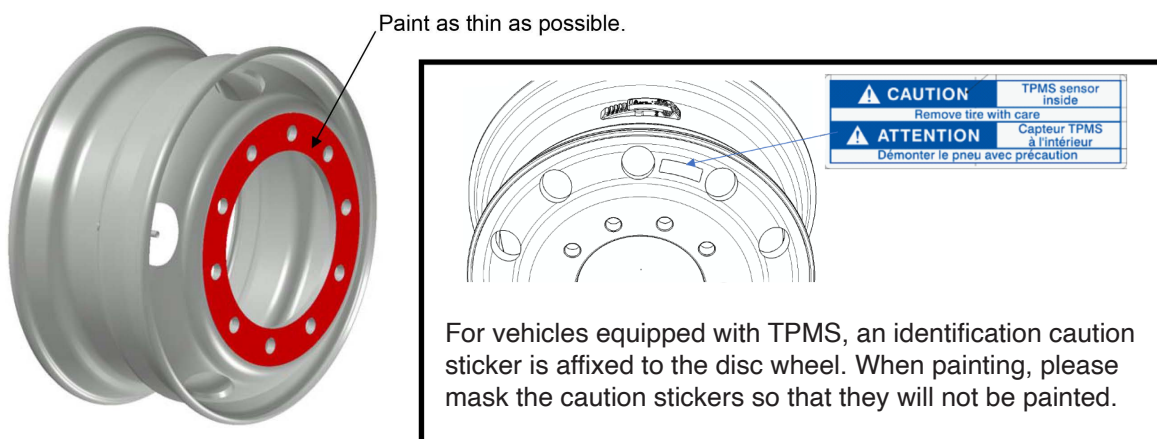
In case of allowable heat limit of the auto transmission control computer for transmission model Allison 3000 and 3500 series, refer to the table OTHERS of "PARTS AND ALLOWABLE HEAT LIMIT".

## 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.

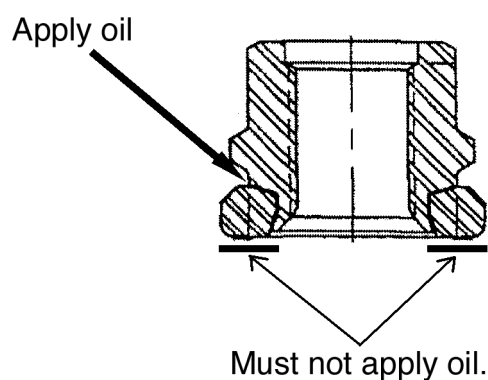
Lightly apply oil onto the thread of bolt.

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		ALL
NUMBER OF BOLT		10
TIGHTENING DIRECTION	RH	CLOCKWISE
	LH	CLOCKWISE
TIGHTENING TORQUE	lb·ft (N·m)	450 - 500 (611 - 678)