

FRAME AND CAB

SECTION 2 CAB AND FRAME

Caution:

At assembly and installation, install parts properly with the specified tightening torque values.

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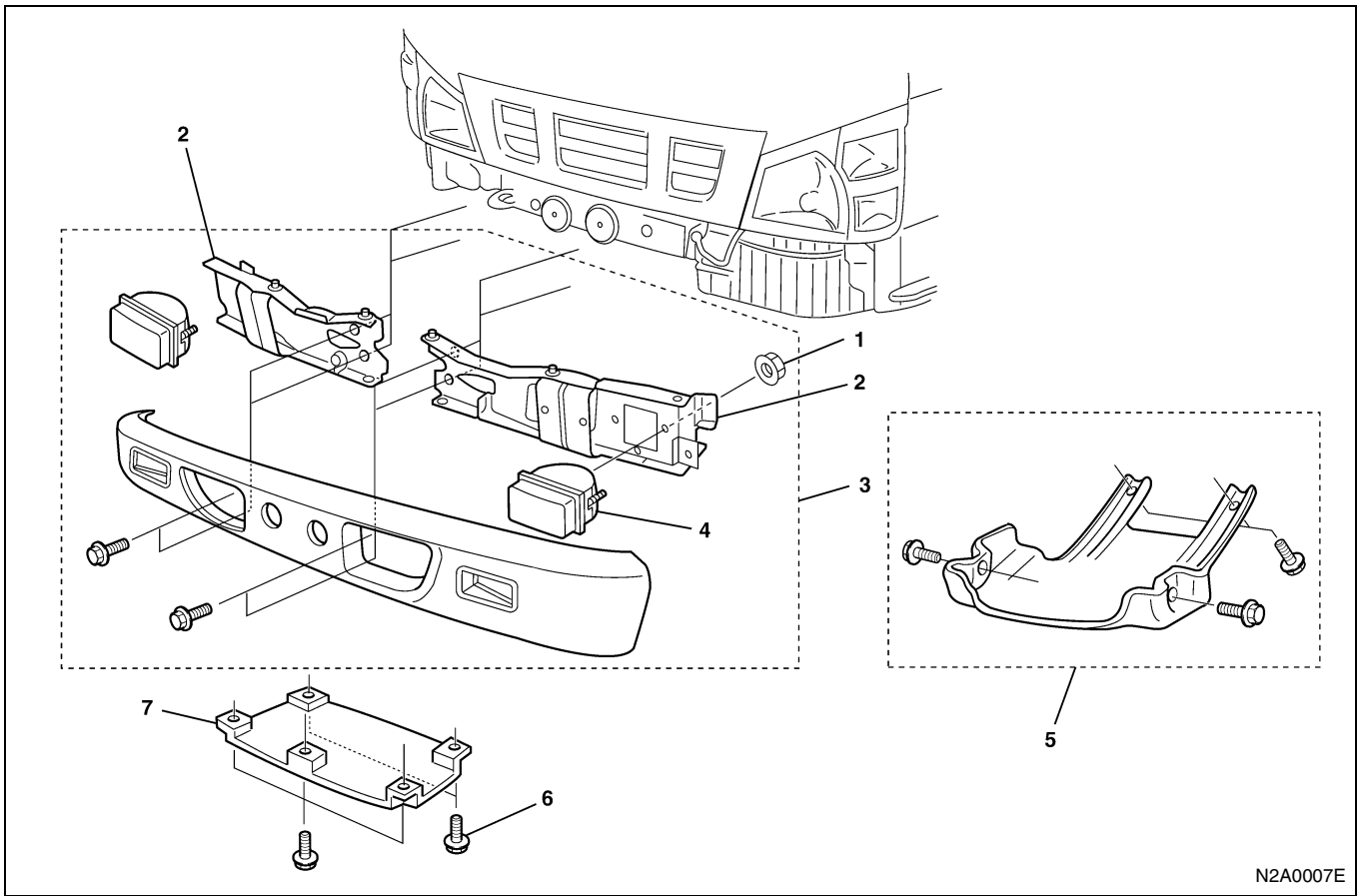
GENERAL DESCRIPTION

General Description

This Section describes the installation and removal procedures for the main parts related to the N series body (cab). Each service procedure is applicable to all N series unless otherwise specified.

BUMPER

Front Bumper (Except NPS Rigid Axle Model)



N2A0007E

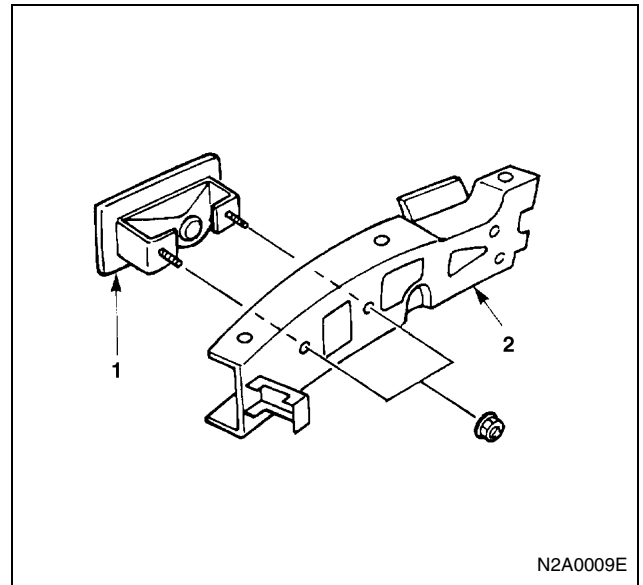
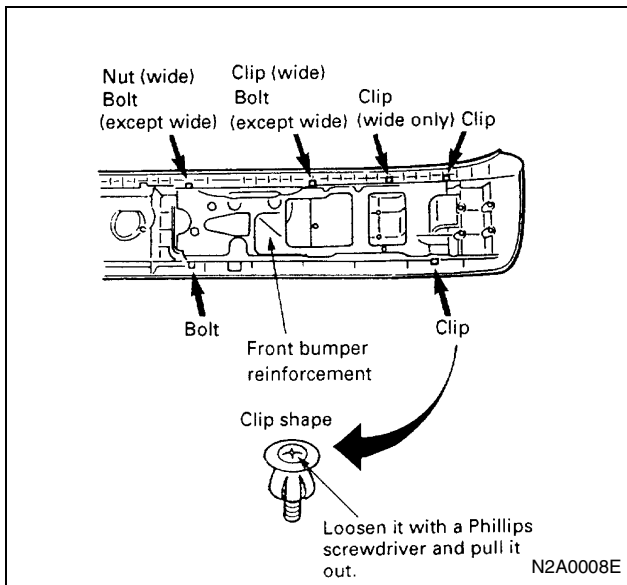
Legend

- | | |
|-------------------------------|---------------------------------------|
| 1. Fog lamp fixing nuts | 5. Air guide (Independent suspension) |
| 2. Front bumper reinforcement | 6. Air guide fixing bolts |
| 3. Front bumper assembly | 7. Air guide (Rigid suspension) |
| 4. Fog lamp assembly | |

Removal

- Air guide fixing bolts
 - Remove the rear-side bolts/washers fixing the air guide.
- Front bumper assembly
 - Remove the two fixing bolts on each side of the left and right front bumper assembly. And disconnect fog lamp harness connection.
- Front bumper reinforcement
 - Loosen the fixing nuts and bolts, and clips and pull them out.

	(1)	(2)	(3)	(4)	(5)
Wide Cab	Nut	Clip	Clip	Clip	Bolt
Others than Wide	Bolt	Bolt	—	Clip	Bolt



4. Fog lamp assembly

- Remove the fixing nuts and pull out the fog lamp (1) to forward from reinforcement (2).

Installation

For installation, reverse the removal procedure taking the following points into consideration.

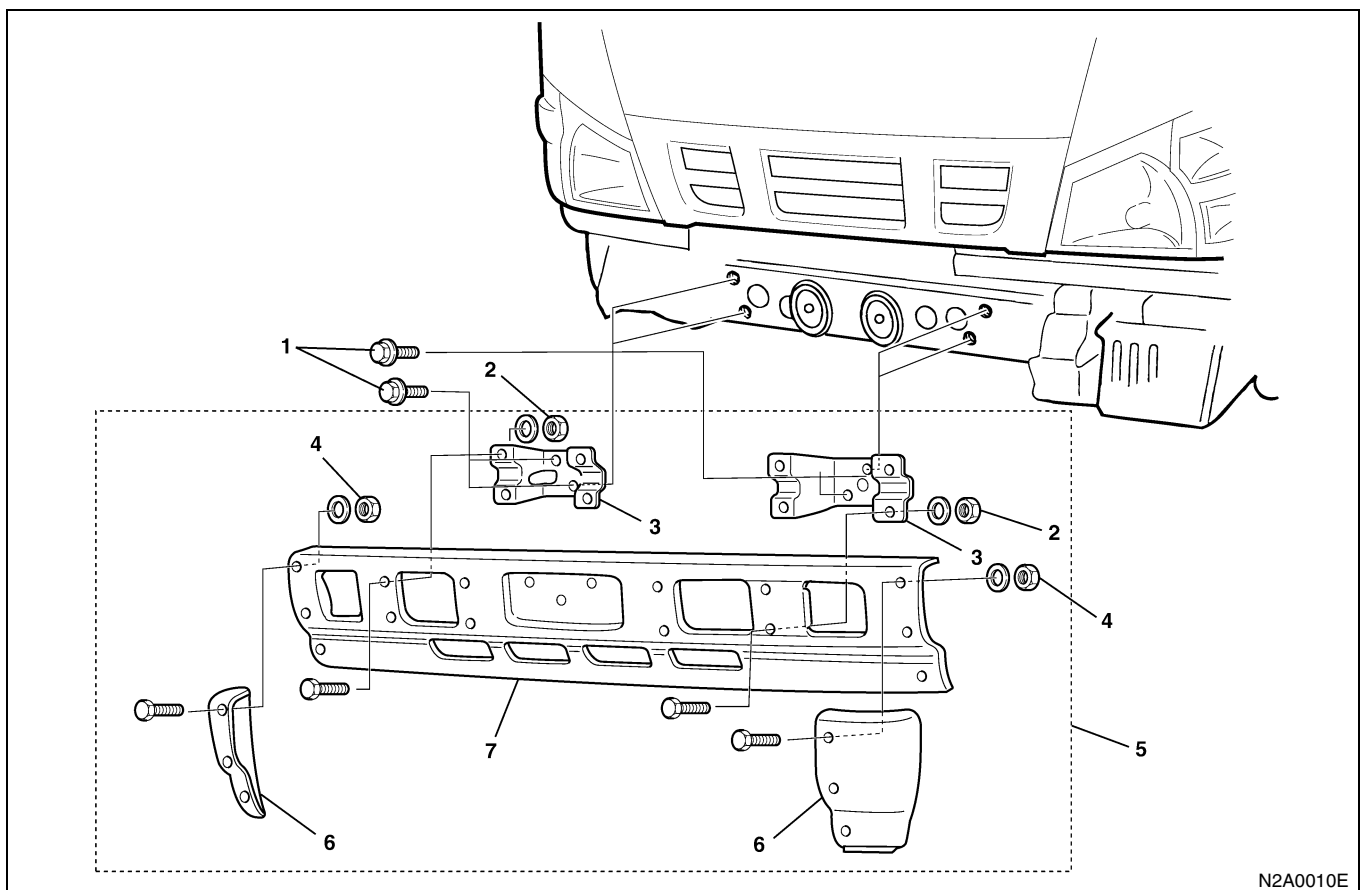
- Tighten the front bumper assembly fixing bolts to the specified tightening torque.

Tighten:

40 N·m (4.1 kg·m/29.5 lb·ft)

- Adjust the installation position referring to “Basic sizes for installation of the front bumper”.

Front Bumper (NPS Rigid Axle Model)



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Legend

- | | |
|--------------------------|--------------------------|
| 1. Bolt A | 5. Front bumper assembly |
| 2. Nut C | 6. Front side bumper |
| 3. Front bumper back bar | 7. Front center bumper |
| 4. Nut B | |

Removal

1. Front bumper assembly
 - Remove the 2 fixing bolts A on each side of the left and right front bumper assembly.
2. Front side bumper
 - Remove the 3 fixing bolts/nuts B on each side to remove front side bumper from front center bumper.
3. Front bumper back bar
 - Remove the 4 fixing bolt/nut C on each side.

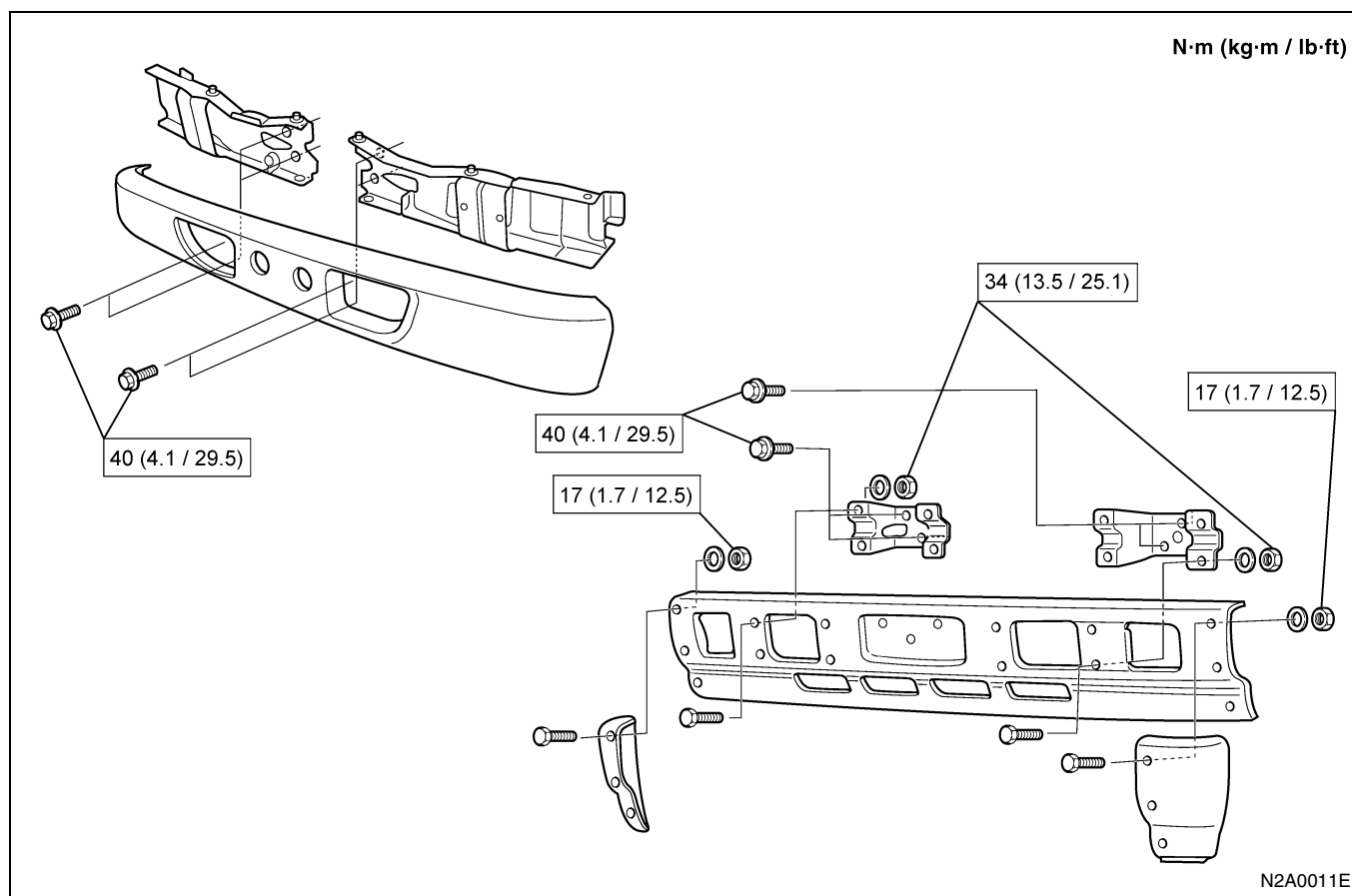
Installation

For installation, reverse the removal procedure taking the following points into consideration. Tighten each fixing bolts/nuts to the specified tightening torque.

Tighten:

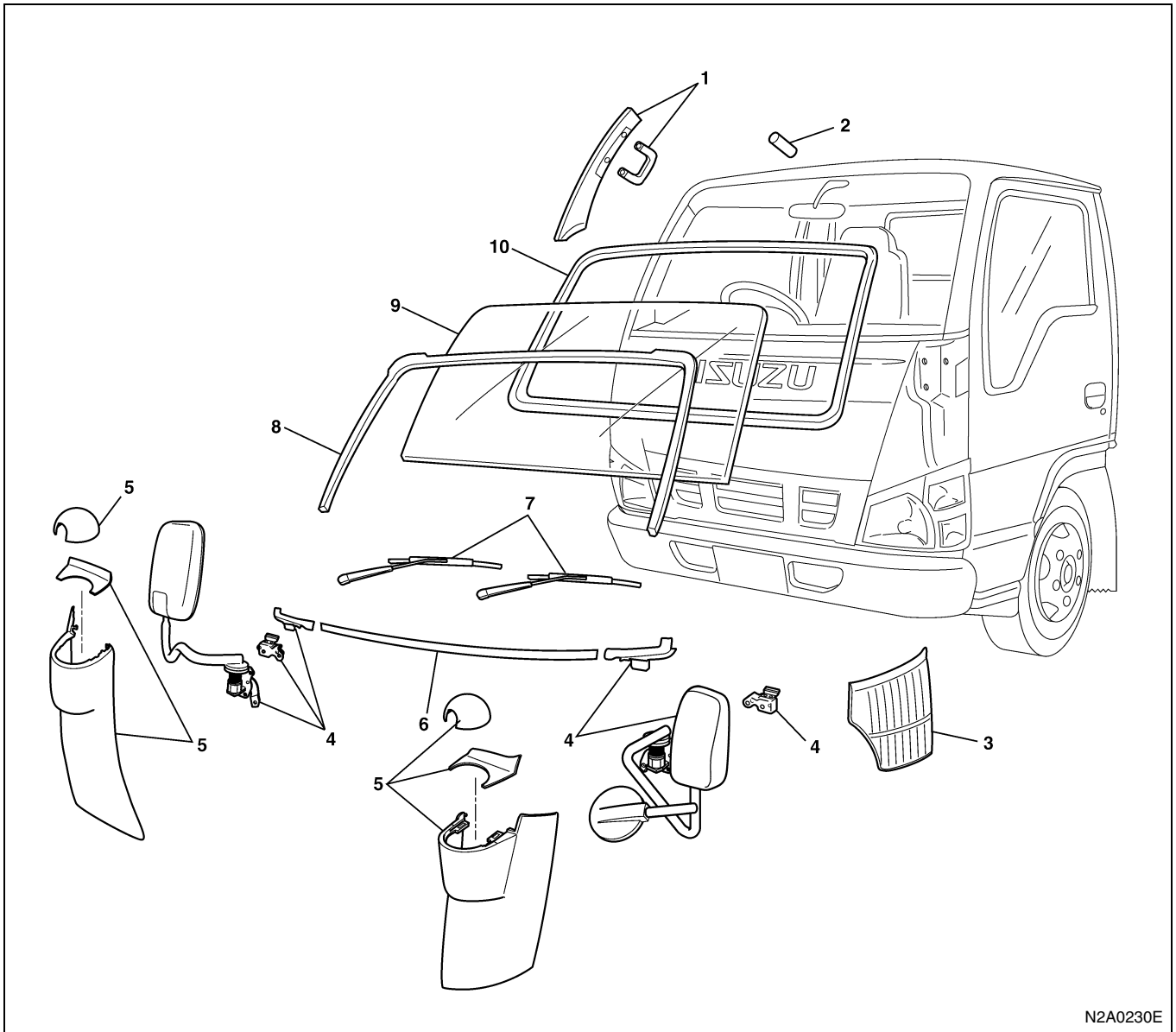
- Bolt A (M10 × 1.25) to 40 N·m (4.1 kg·m/29.5 lb·ft)
- Nut B (M8 × 1.25) to 17 N·m (1.7 kg·m/12.5 lb·ft)
- Nut C (M10 × 1.25) to 34 N·m (3.5 kg·m/25.1 lb·ft)

Fixing Torque



GLASS

Front Window Glass Component



N2A0230E

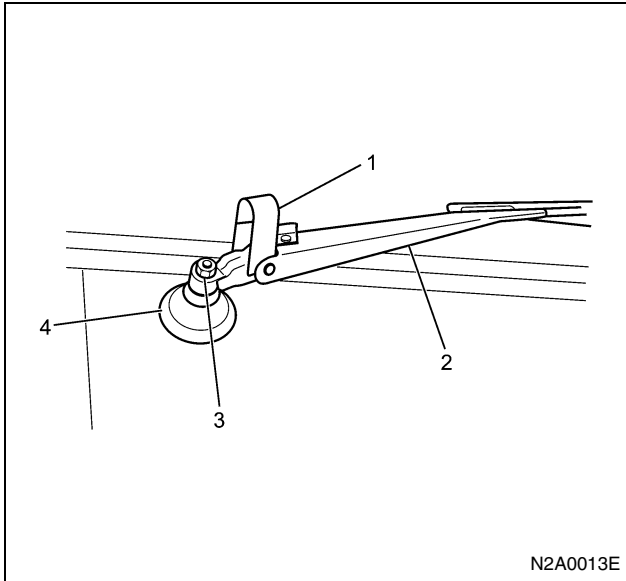
Legend

- | | |
|--|----------------------------------|
| 1. Front pillar grip/trim cover | 6. Ornament grille/upper molding |
| 2. Room mirror stopper rubber | 7. Front wiper arm |
| 3. Clearance lamp | 8. Front window molding |
| 4. Outside mirror assembly/outside mirror attachment/molding | 9. Front window glass |
| 5. Outside mirror stay cap/front panel side/sub cover | 10. Front window glass finisher |

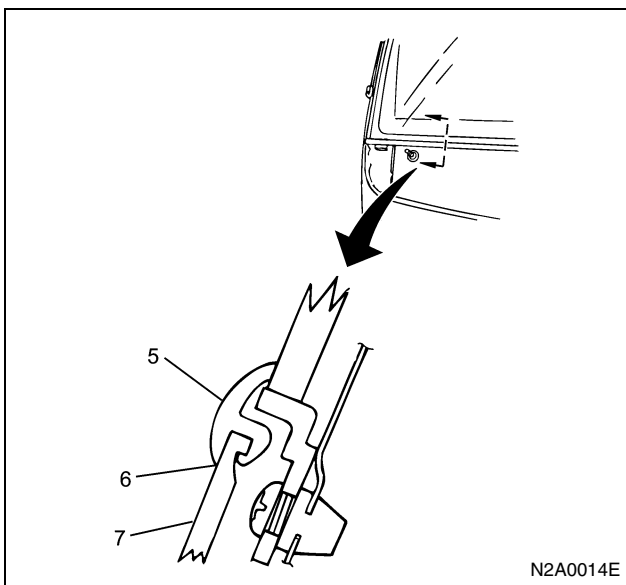
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Removal

1. Front wiper arm (2)
 - Open the cover (1) and remove the fixing nut (3).



2. Clearance lamp
 - Refer to "Lighting System".
3. Outside mirror stay cap/front panel side/sub cover
4. Outside mirror assembly/outside mirror attachment/molding
 - Refer to "Outside Mirror Assembly" in this Section.
5. Ornament grille upper molding (5)
 - Remove the lower part (6) of upper molding from ornament grille (7) with a bladed screw-driver.

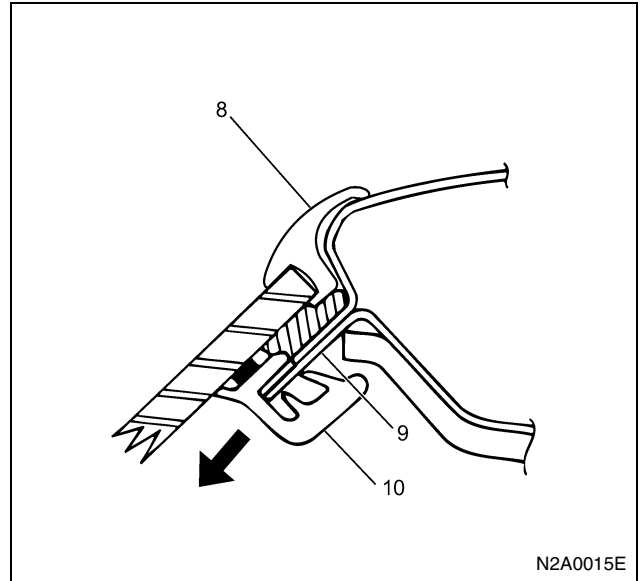


6. Front window molding (8)
 - Remove it according to the same procedure as step 3. Don't reuse it.

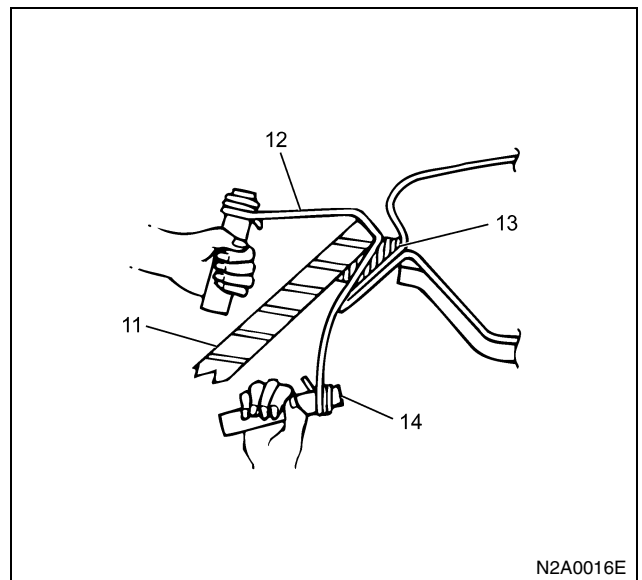
Caution:

If the painted surface is scratched, this causes rust.

7. Room mirror stopper rubber
8. Front pillar grip/trim cover
 - Refer to "Front Side Trim Cover" in Interior & Exterior Trim Section.
9. Front window finisher (10)
 - Pull it from body flange.
 - Don't reuse it.

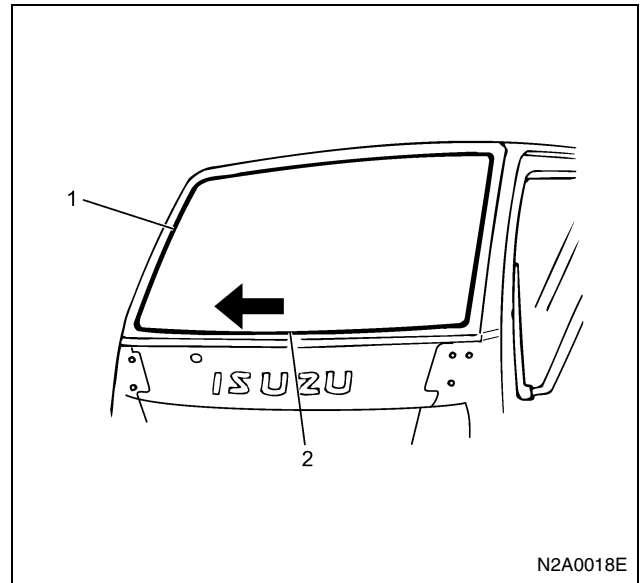
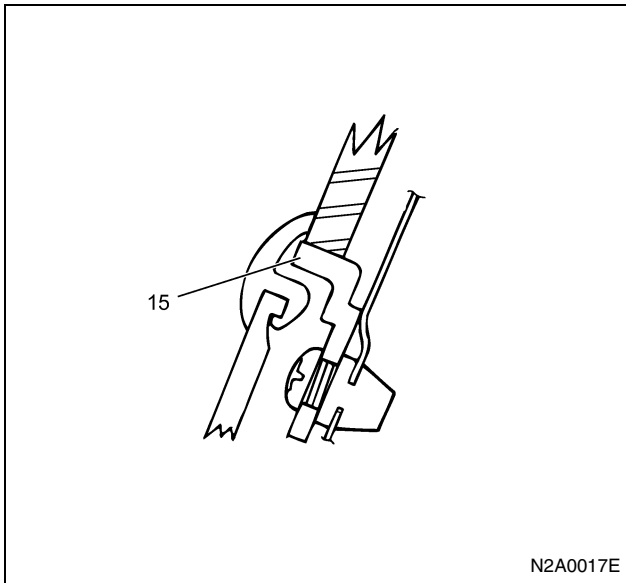


10. Front window glass (11)
 - Pass the piano wire (12) of $\phi 0.5$ mm or so to the room inside through the adhesive part (13) of front window glass. Bind both ends of this piano wire on the wooden piece (14) etc., and cut the adhering part in the whole periphery of the glass moving it back and forth inside and outside the room. Remove the glass.



Caution:

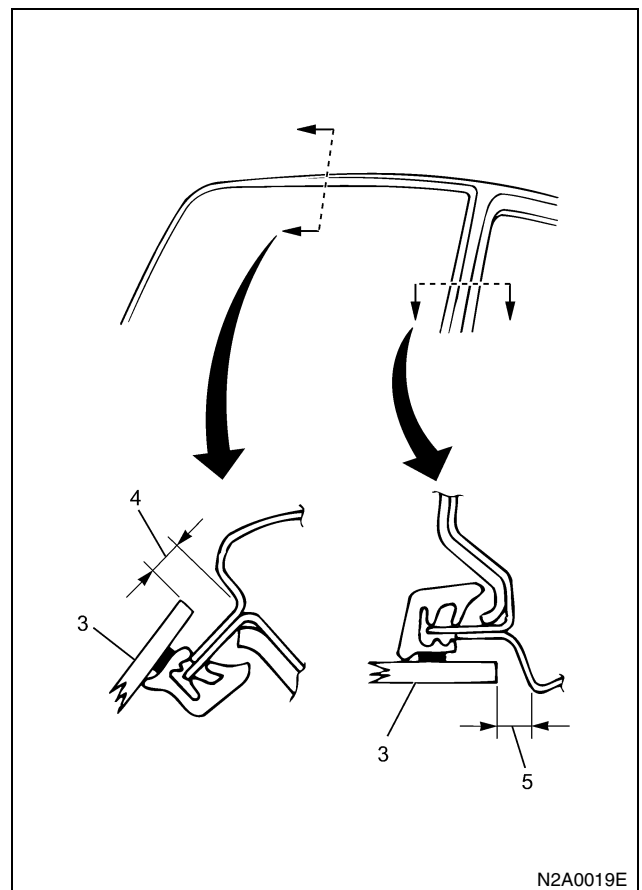
Completely remove the adhesive remaining on the body flange and perform cleaning. If there is any convex or concave portion, this causes imperfect contact when installing the glass, leading to cracks or water leakage. To reuse the removed glass, perform the same treatment on the adhering surface of the glass side as well as the flange side. When the glass is an adhesion type, take care not to damage the glass stopper which must be re-used. If the painted surface of the body flange is scratched, this will cause rust. Accordingly, repair it completely.



- Temporarily set the front window glass (3), perform positioning marking so that the left/right clearance (5) may be uniform. Next, when the top clearance (4) is equal to the left/right clearance, proceed to the installation step. At this time, If the clearance must be adjusted, remove the ornament grille and adjust the glass stopper.
- Refer to "Ornament Grille" in Interior & Exterior Trim Section for removal of ornament grille.

Installation**Preparation**

- Be sure to perform the position alignment check of the front window glass before installation.
- Be sure to use a new front glass finisher (1). Set the deposit (2) in the central lower part. Insert the flange sequentially from the deposit. After setting, proceed to the next step without peeling off the ex-foliate paper of two-sided adhesive tape.



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1. Front window glass finisher (1)

- Be sure to use a new one.
- Apply the primer to the whole periphery of body side.

Caution:

Check that there remains no adhesive on the flange surface to which the primer is to be applied. If the primer is applied on the residual adhesive, the contact of the adhesive for glass to be applied later may be imperfect, resulting in cracks or water leakage. After applying the primer, keep the status for 3 minutes or more.

Primer: PRIMER RC-50E for painting manufactured by The Yokohama Rubber Co., Ltd. or equivalent

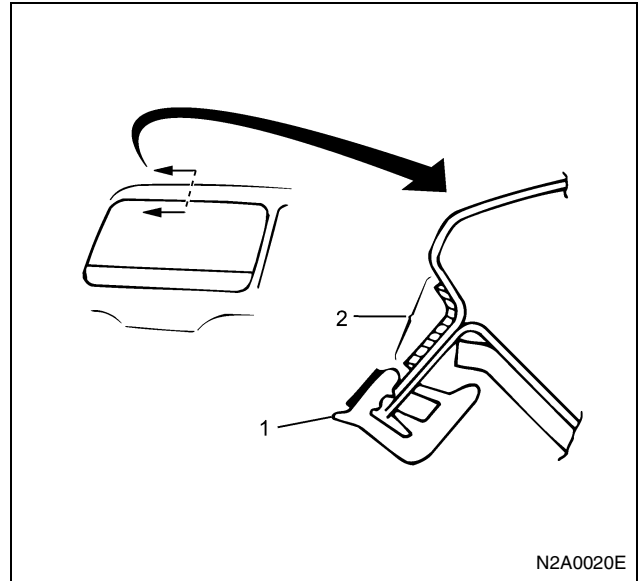
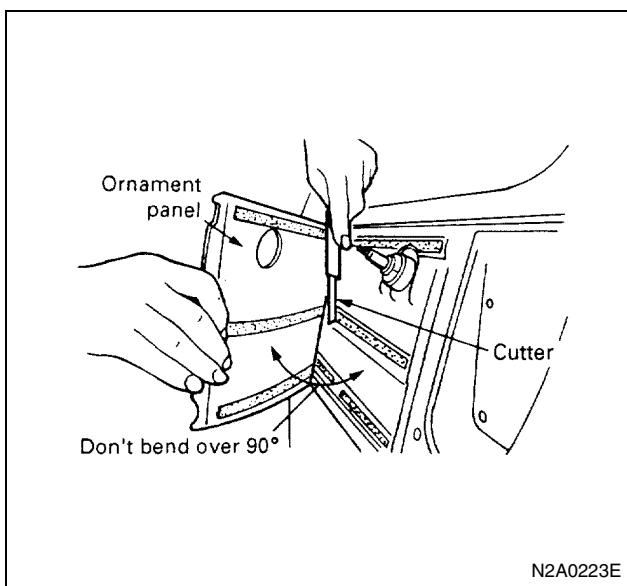
Mounting/Dismounting Procedure for Ornament Panel

- First, remove the washer nozzle (refer to Section 8 "Electrical Equipment Workshop Manual"), cut off the two-sided adhesive tape fixing the ornament panel with a cutter and remove it from the front panel. At this time, don't bend the ornament panel over 90°. Take care not to scratch the painted surface of the body panel. If it is scratched, repair it completely to prevent rust. When installing the ornament panel, completely remove the two-sided adhesive tape remaining on the ornament panel side and install the ornament panel with a new two-sided adhesive tape.

Caution:

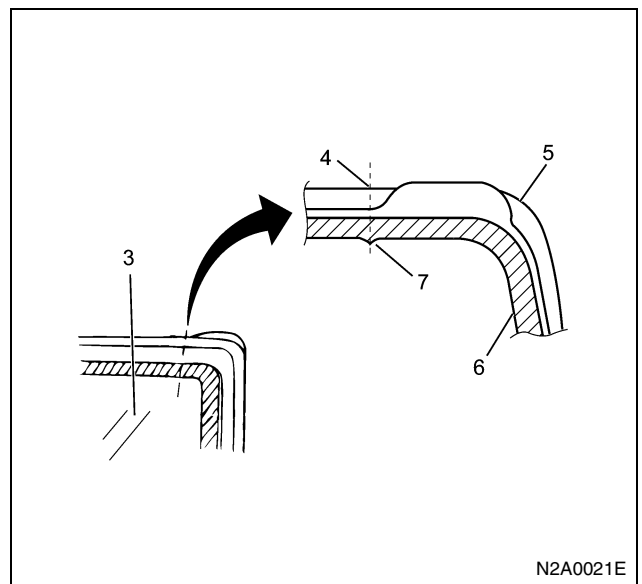
After removing the washer nozzle, take care not to drop the washer tube to the inside of the front panel.

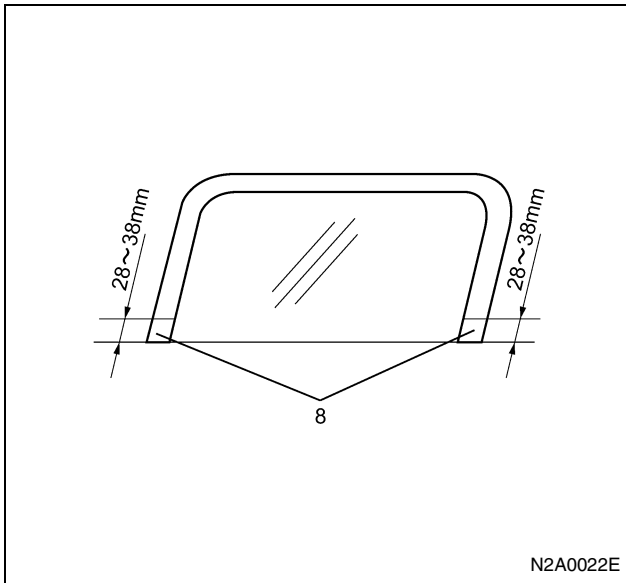
After removing the ornament panel, connect the nozzle to the tube and fix it.



2. Front window molding (5)

- Align the paint marking part of the back side of molding with the alignment mark (7) on the glass ceramic painting part (6), insert the upper ends (left and right) and fix the both sides. Be sure to use a new one.
- The margin (8) of molding should be equal at both ends.





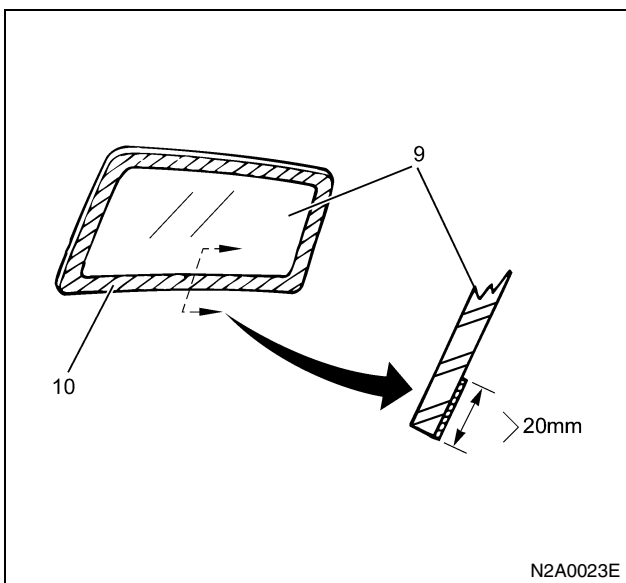
3. Front window glass (9)

- Apply the primer (10) to the outer periphery on the room side of the glass. Apply it over 20 mm from the end.

Caution:

Before reusing the glass, completely remove the residual adhesive and perform cleaning. If the primer is applied on the residual adhesive, the contact of the adhesive for glass to be applied later may be imperfect, resulting in cracks or water leakage. After applying the primer, keep the status for 3 minutes or more.

Primer: PRIMER MS-80 for both sides of glass manufactured by The Yokohama Rubber Co., Ltd. or equivalent

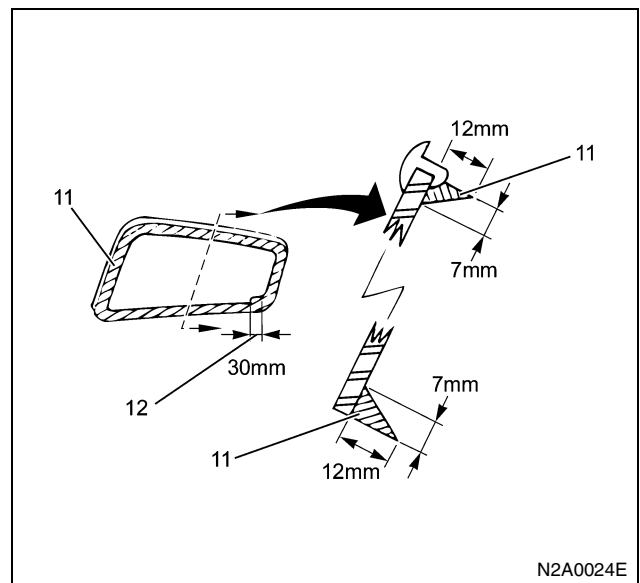


- After keeping the status for 3 minutes or more after primer application, apply the adhesive. Apply it to the whole outer periphery and make a 30 mm lap allowance.

Adhesive: ADHESIVE WS-90F for glass manufactured by The Yokohama Rubber Co., Ltd. or equivalent

Caution:

Install the glass on the cab within 5 minutes after applying the adhesive. At this time, peel off the exfoliate paper of the two-sided adhesive tape of front window glass finisher and set the glass by pressing accurately at the installation position determined in the positioning procedure described on the previous step. Harden the adhesive at temperature of 20 to 30°C for 24 hours. Press the periphery by using a gummed tape as an auxiliary means. Imperfect press fitting will cause water leakage.



4. Front pillar grip/trim cover

- For the grip, be sure to use the specified bolt.
- Be sure to use a new two-sided adhesive tape for the trim cover.

Caution:

Take care not to push the glass from the inside of the room at installation.

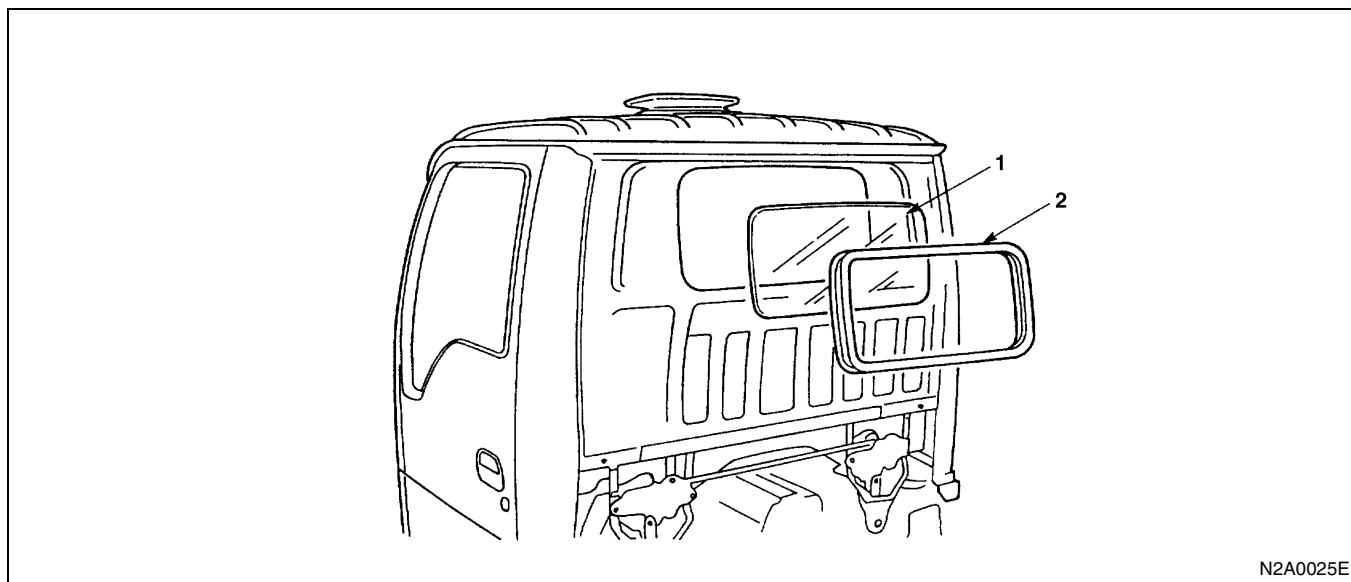
- Ornament panel upper molding
- Outside mirror assembly/outside mirror attachment/molding
 - Be sure to use a new two-sided tape for molding.
- Outside mirror stay cap/front panel side/sub cover
- Clearance lamp
 - Refer to "Outside Mirror Assembly" in this Section.
- Front wiper arm
- Room mirror stopper rubber
 - Install this rubber after adhesive for the front window glass becomes completely hard.

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Precautions after installation

- As described before, fix the periphery by using a gummed tape as an auxiliary means in the period of 24 hours when the adhesive for the front window glass is hardened.
- After installation, avoid driving within 24 hours.
- Within 24 hours after installation, open or close the doors with the side window glass or roof ventilation open. When the door must be opened or closed inevitably in the closed status, open it slowly without giving any vibration or shock to it.
- Make a water leakage test.

Backlight Glass (Single Cab Model)



Legend

1. Backlight glass

2. Backlight glass weather strip

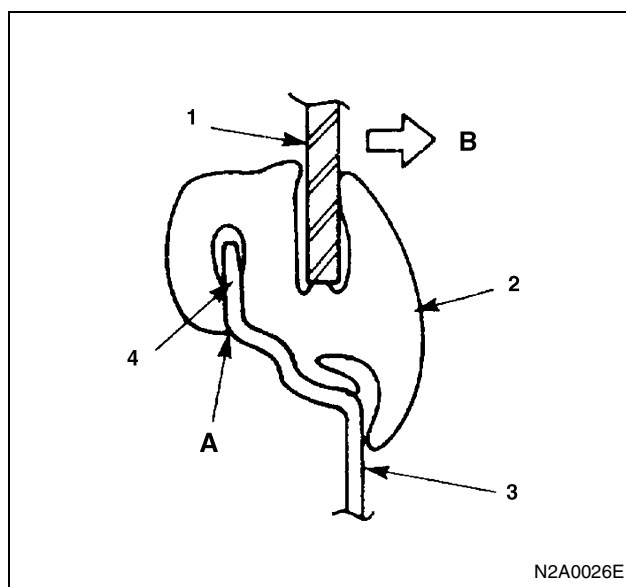
Removal

1. Backlight glass

- Pry off the top edge of the backlight glass and the weather strips on the both angles from the position (A) and remove them from the body flange. Push out the backlight glass toward (B).

2. Backlight glass weather strip

- Remove the weather strip from the backlight glass.



Legend

1. Backlight glass

2. Backlight glass weather strip

3. Back panel

4. Flange

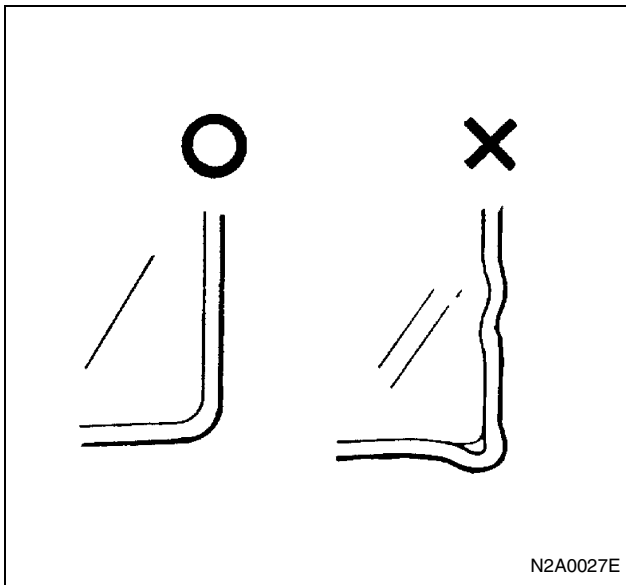
Installation

1. Backlight glass weather strip

- Fit the backlight glass weather strip into the backlight glass. At this time, turn the deposit of the weather strip downward.

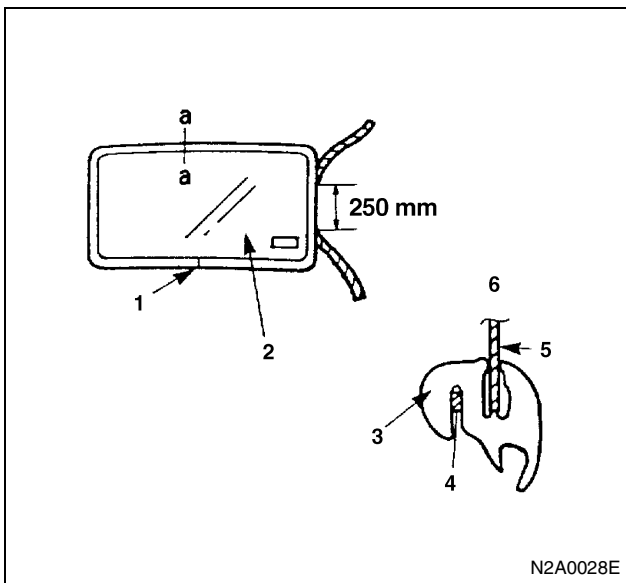
Caution:

Bring each portion into close contact without any float or corrugation.



2. Backlight glass

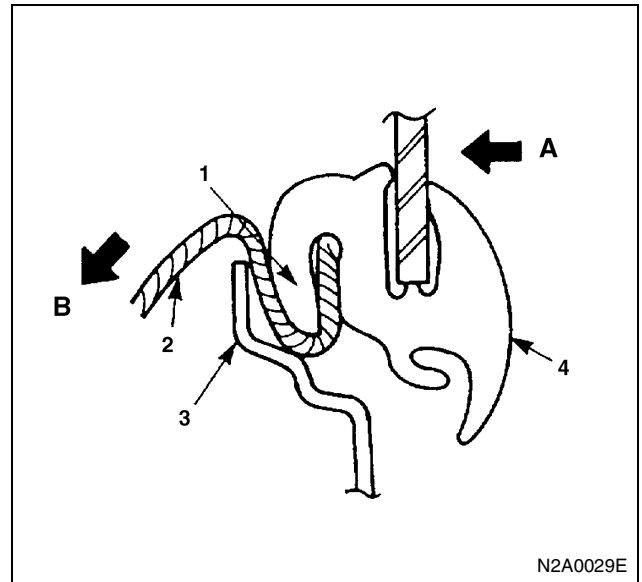
- Set the string for installing the window shield of $\phi 5 - 6$ mm into the portion (A) of the backlight glass weather strip installed on the backlight glass. Cause the string to go round and cross it about 250 mm in the center on the left of the backlight glass.



Legend

1. Deposit
2. Backlight glass
3. Backlight glass weather strip
4. String
5. Backlight glass
6. Section a — a

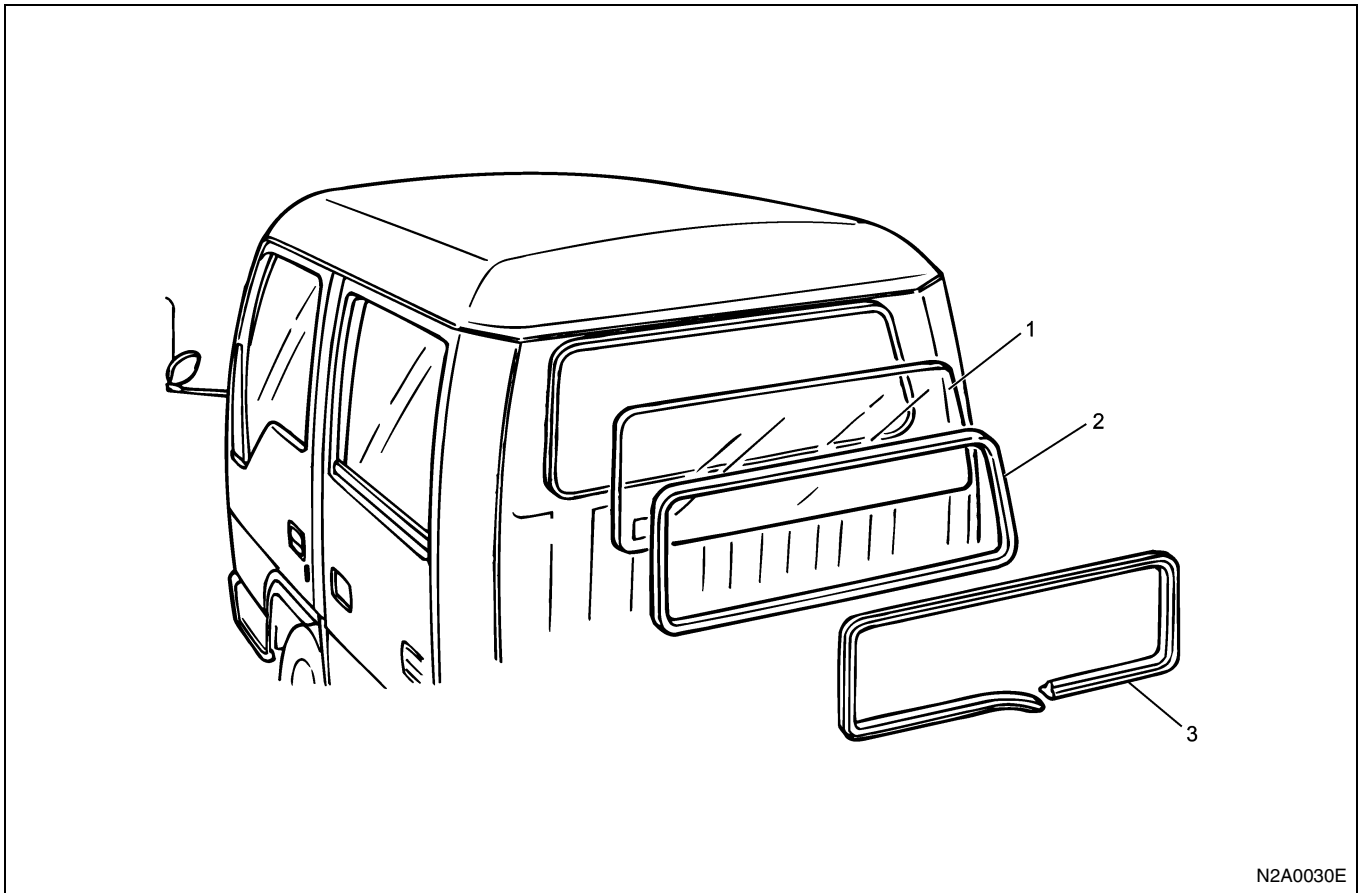
- Adjust the backlight glass to the body position. Pushing down the backlight glass from the direction (A), pull the string toward (B) and fit the lip into the flange. To make the contact between the weather strip and body flange better, strike a glass position of about 150 mm from the outside weather strip equally with a hammer.



Legend

1. Lip
2. String
3. Flange
4. Weather strip

Backlight Glass (Crew Cab Model)



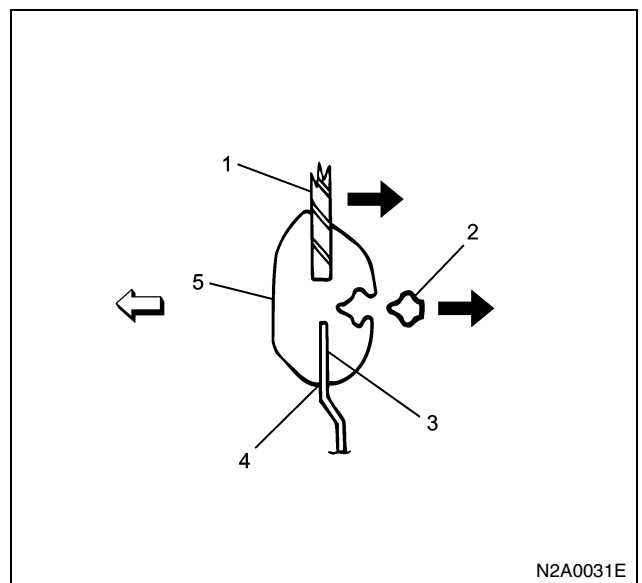
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Legend

- | | |
|----------------------------------|-----------------|
| 1. Backlight glass | 3. Wedge rubber |
| 2. Backlight glass weather strip | |

Removal

1. Wedge Rubber (2)
 - Draw out the wedge rubber from the bottom end of the backlight glass weather strip.
2. Backlight glass (1)
 - Pry off the weather strip (5) at the top edge and both angles of the backlight glass from the position (4) and remove it from the body flange (3). Push out the backlight glass toward B.



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3. Backlight glass weather strip
 - Remove the weather strip from the backlight glass.

Installation

1. Backlight glass weather strip

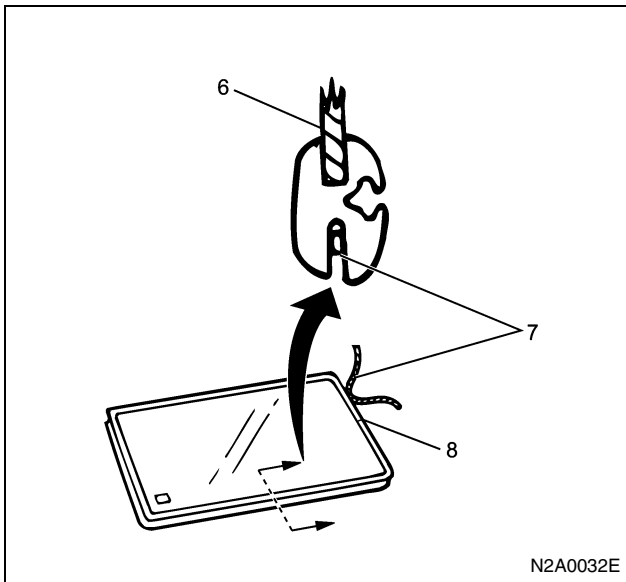
- Fit the backlight weather strip into the backlight glass. At this time, turn the deposit (8) of the weather strip to the right side of the vehicle.

Caution:

Bring each portion into close contact without any float or corrugation.

2. Backlight glass (6)

- Set a $\phi 5$ to 6 mm string for installing the window shield into the portion (7) of the backlight weather strip installed on the backlight glass by means of a metal tube of about 8 mm. Adjusting the center of the glass to that of the body, push down the glass with force from the outside and pull the string toward the center of the glass from the inside. Thus, set the lip into the body flange in succession.

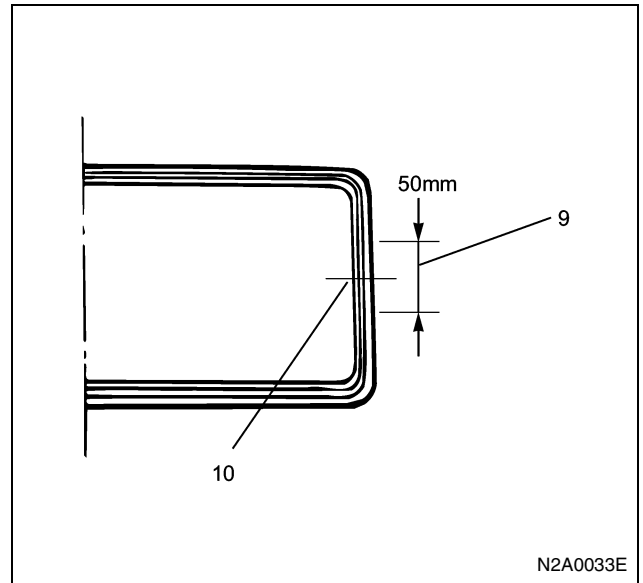


- After installing the backlight glass, fill the portion (10) in the range of 50 mm up and down (9) of the deposit of the weather strip with sealant.

Sealant: CS3061D

Caution:

Fill the portion B in the specified range with sealant securely. Completely remove overflowed sealant.

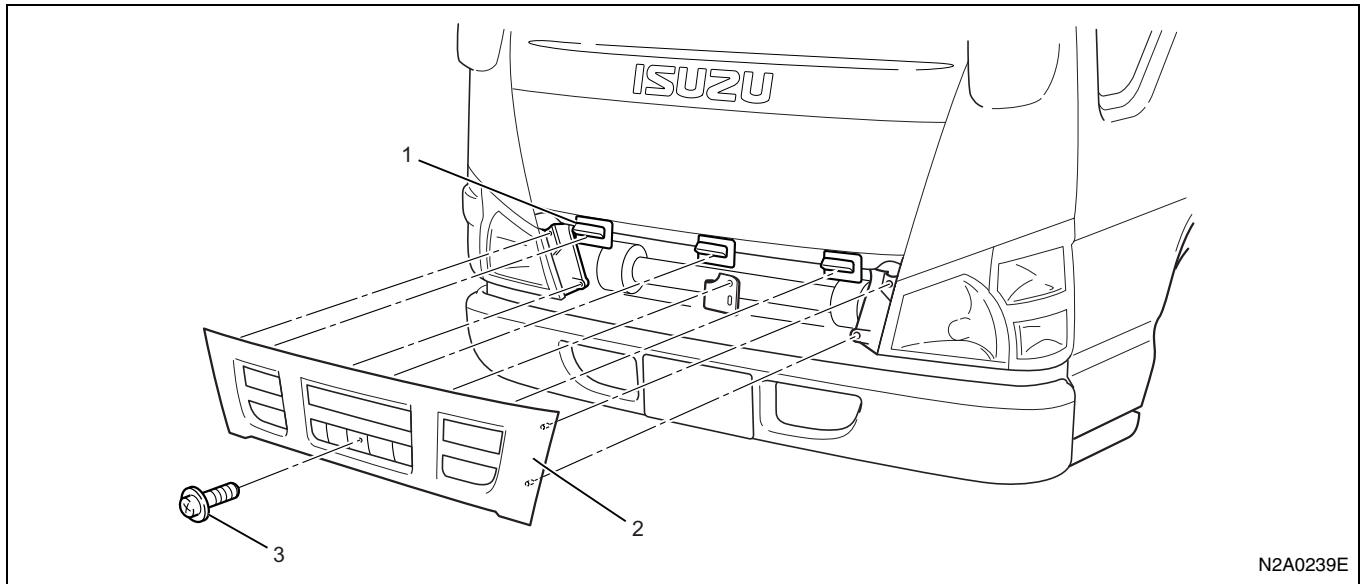


3. Wedge rubber

- Fit the wedge rubber securely into the bottom end of the backlight glass weather strip.

FRONT GRILLE

Component

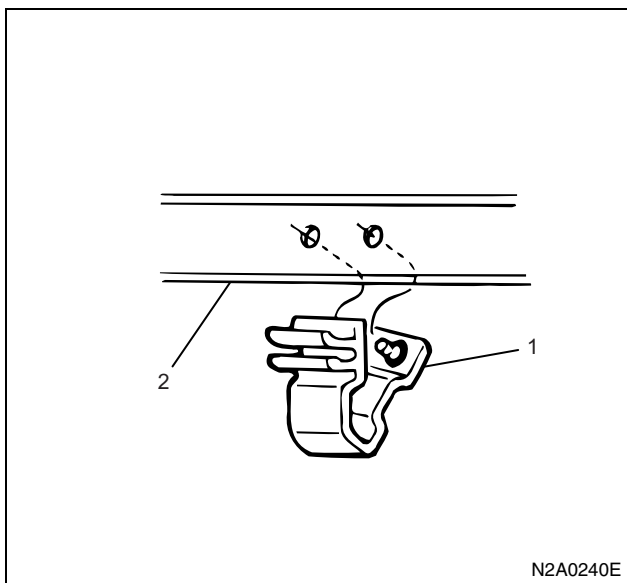


Legend

- | | |
|-----------------|---------|
| 1. Clip | 3. Bolt |
| 2. Front grille | |

Removal

1. Remove the front grille.
 - Remove the front grille by pulling the fixing screw at the center, the three (narrow cab) or four (wide cab) clips which install cab panel, and the four clips which install headlamp.
2. Remove the fixing clip (1).
 - Open the clip (1) to remove it from cab panel (2).



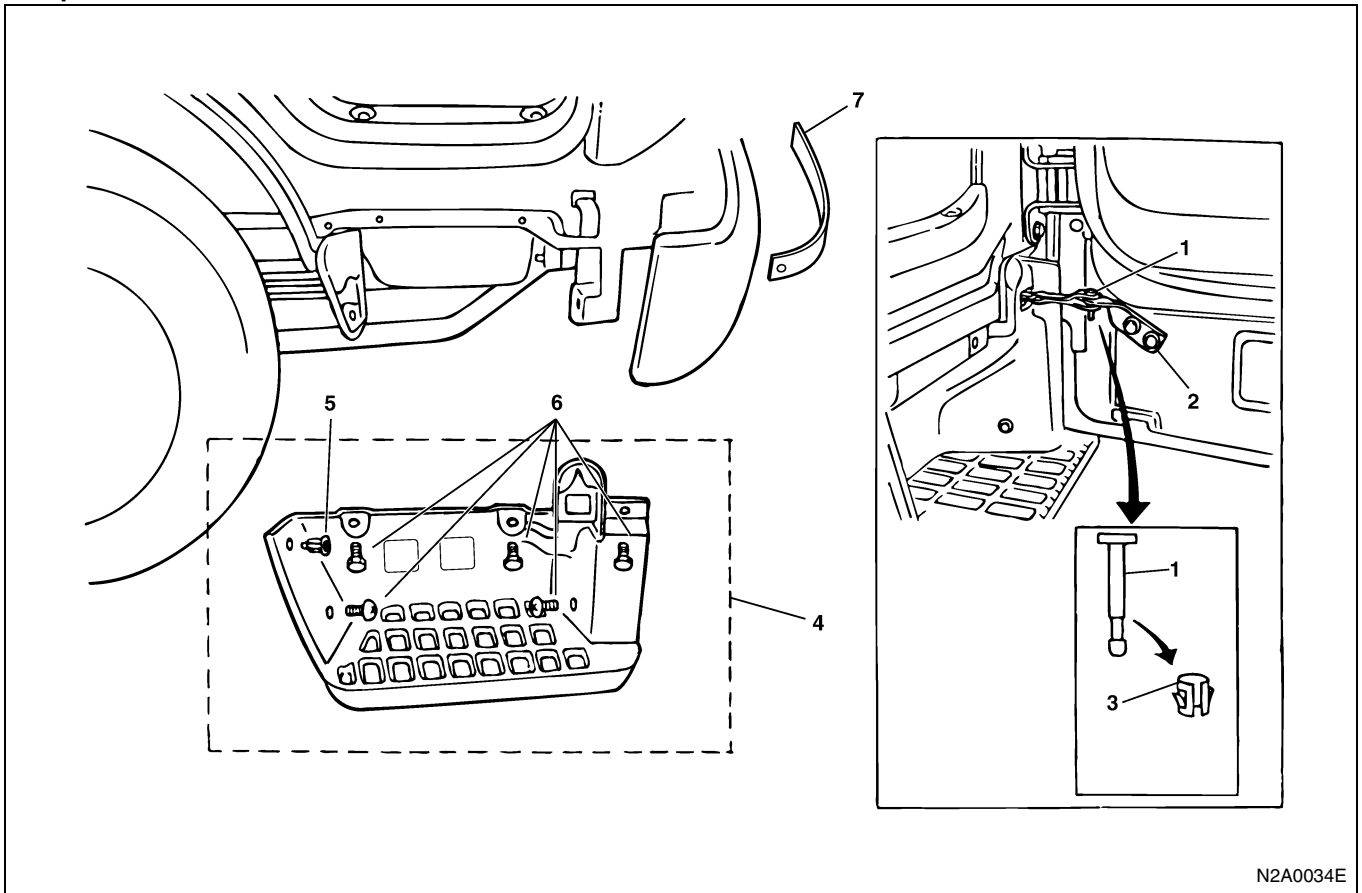
Installation

Install in the reverse order of removal.

STEP

Front Step (Except NPS Front Rigid Suspension Model)

Component



Legend

- | | |
|-----------------------------|-------------------------|
| 1. Front door check arm pin | 5. Clip |
| 2. Check arm bracket | 6. Bolt |
| 3. Clip | 7. Headlamp lower cover |
| 4. Front step assembly | |

Removal

- Headlamp lower cover
 - Pull the mating part of clip to remove it.
- Front combination lamp
- Front door check arm pin
 - Expand the notch on the tip of pin to remove, and tap the pin from the bottom with a plastic hammer.
- Check arm bracket
 - Remove the 2 mounting bolts on the door side.
- Front step assembly
 - Remove the 3 mounting bolts, 2 screws and a clip.

- Tighten the mounting bolt of front step assembly to the specified torque.

Tighten:

Mounting bolt to 15 N·m (1.5 kg·m/11.1 lb·ft)

- Tighten the mounting bolt of check arm bracket to the specified torque.

Tighten:

Mounting bolt to 25 N·m (2.5 kg·m/18.4 lb·ft)

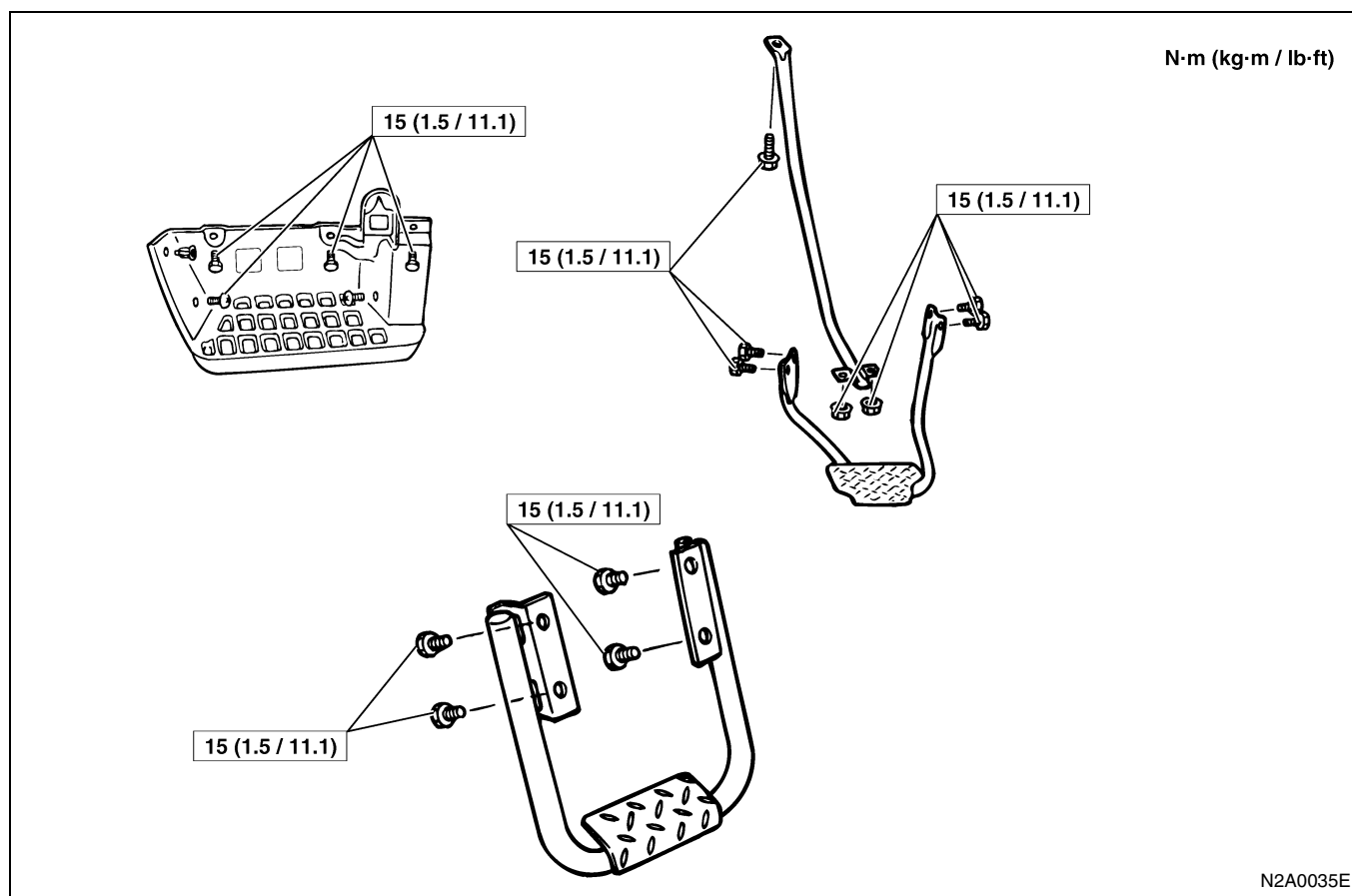
- Make sure that the clip gets caught the tip of check arm pin securely.

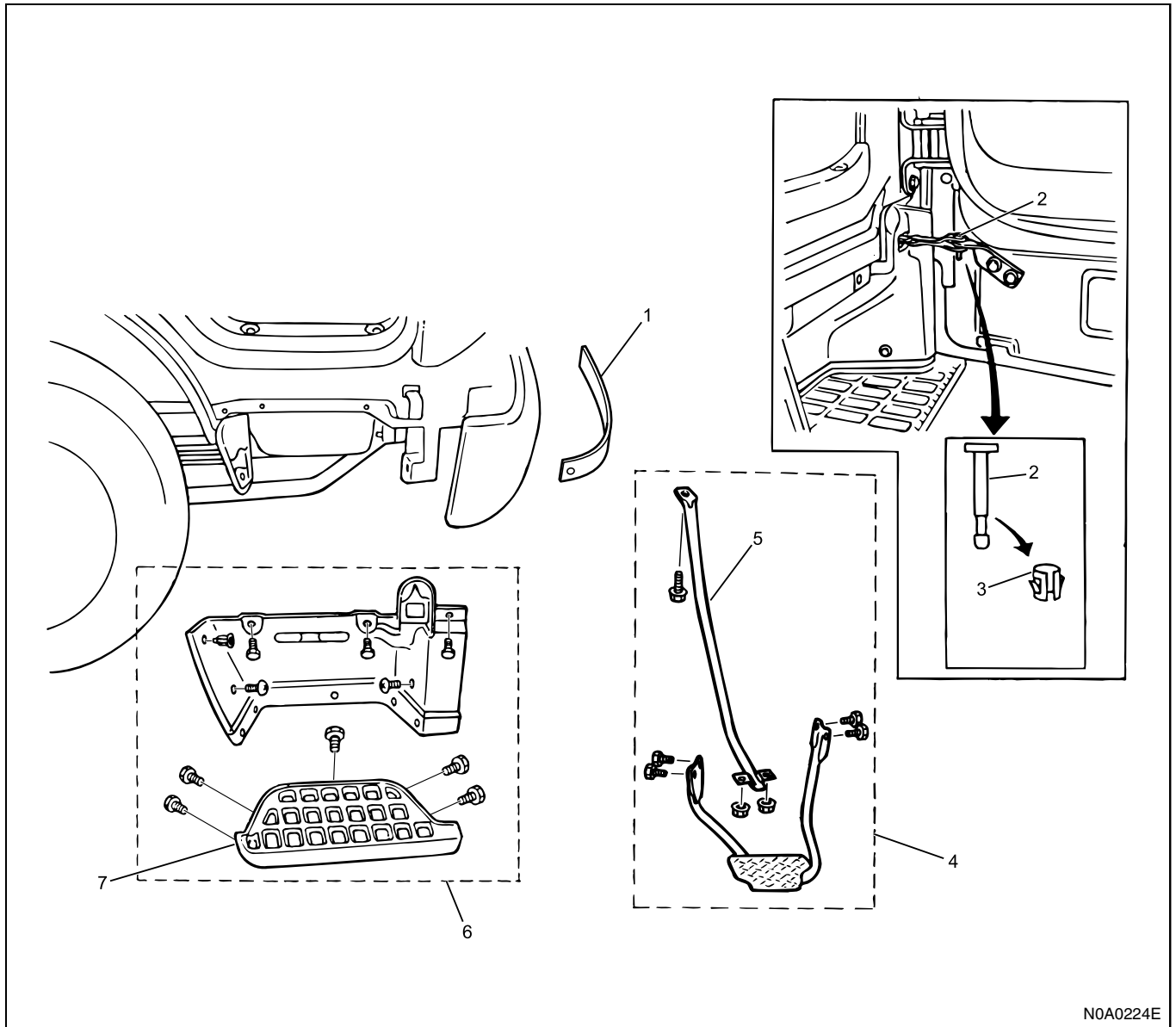
Installation

For installation, reverse the removal procedure taking the following points into consideration.

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Fixing Torque



Front Step (NPS Front Rigid Suspension Model)**Component**

N0A0224E

Legend

- | | |
|------------------------------|------------------------|
| 1. Headlamp lower cover | 5. Lower step rod |
| 2. Front door check arm pin | 6. Front step assembly |
| 3. Clip | 7. Step plate |
| 4. Lower step plate assembly | |

Removal

1. Lower step plate
 - Remove the 5 mounting bolts.
2. Lower step rod
 - Remove the 2 mounting nuts.
3. Headlamp lower cover
 - Pull the mating part of clip to remove it.
4. Front combination lamp
5. Front door check arm pin
 - Expand the notch on the tip of pin to remove, and tap the pin from the bottom with a plastic hammer.
6. Front step assembly
 - Remove the 3 mounting bolts, 2 screws and a clip.
7. Step plate
 - Remove 5 mounting bolts.

Installation

For installation, reverse the removal procedure taking the following points into consideration.

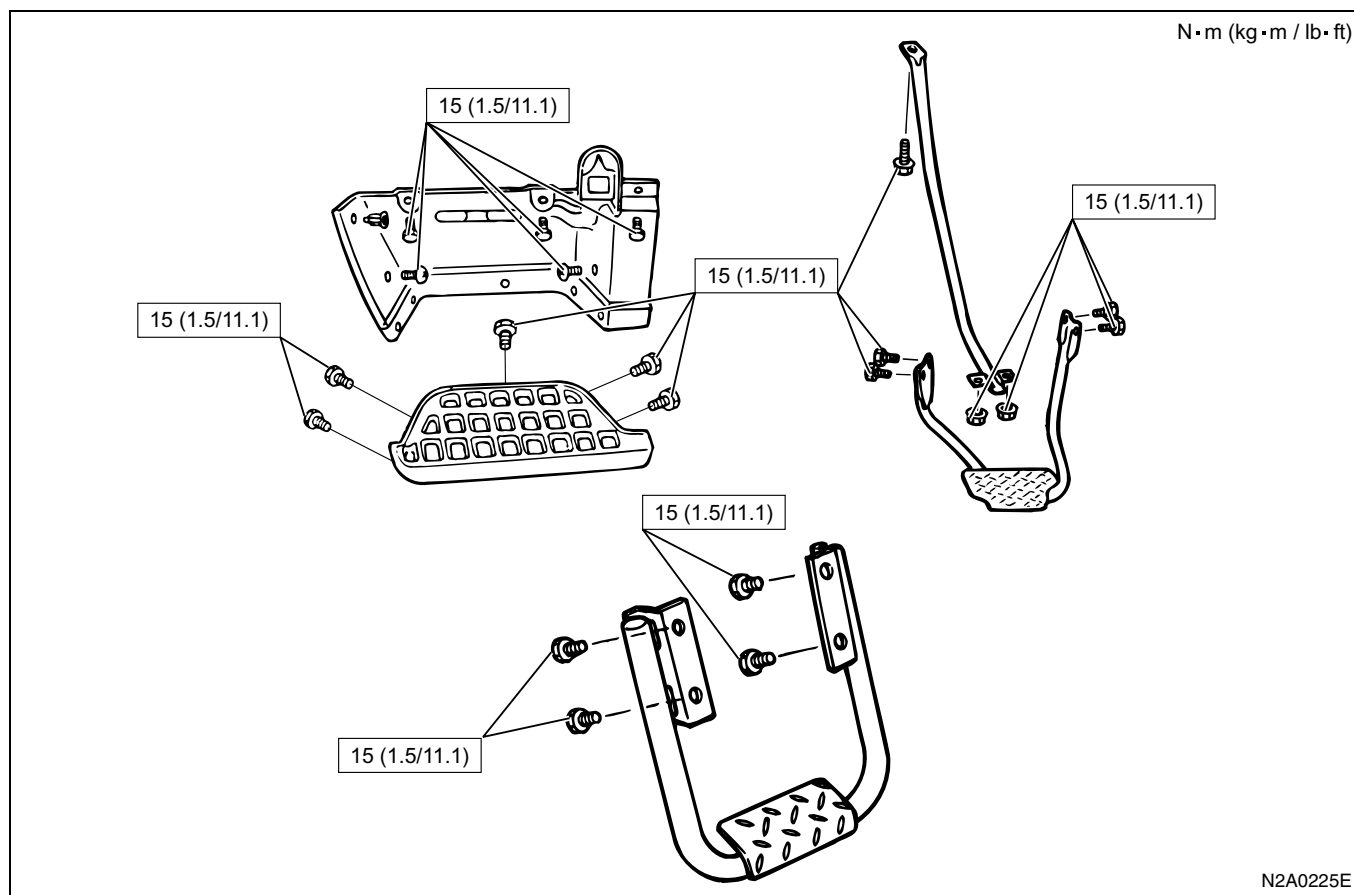
1. Tighten the mounting bolts and nuts to the specified tightening torque.

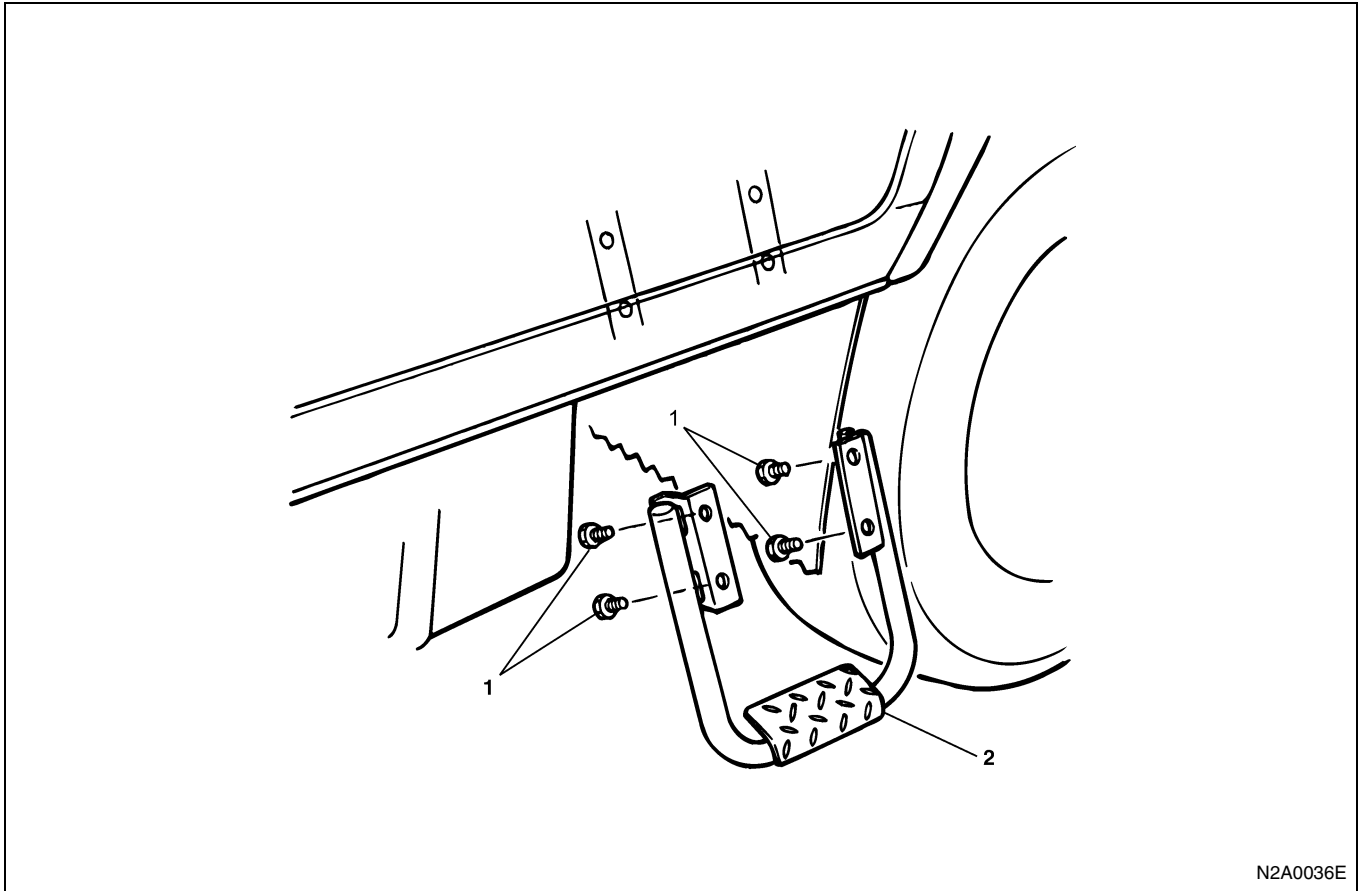
Tighten:

Mounting bolts and nuts to 15 N·m (1.5 kg·m/11.1 lb·ft)

2. Make sure that the clip gets caught the tip of check arm pin securely.

Fixing Torque



Rear Step (Crew Cab Model)**Component****Legend**

1. Fixing bolt

2. Rear step

Removal

1. Fixing bolts
 - Remove the 4 fixing bolts.
2. Rear step

Installation

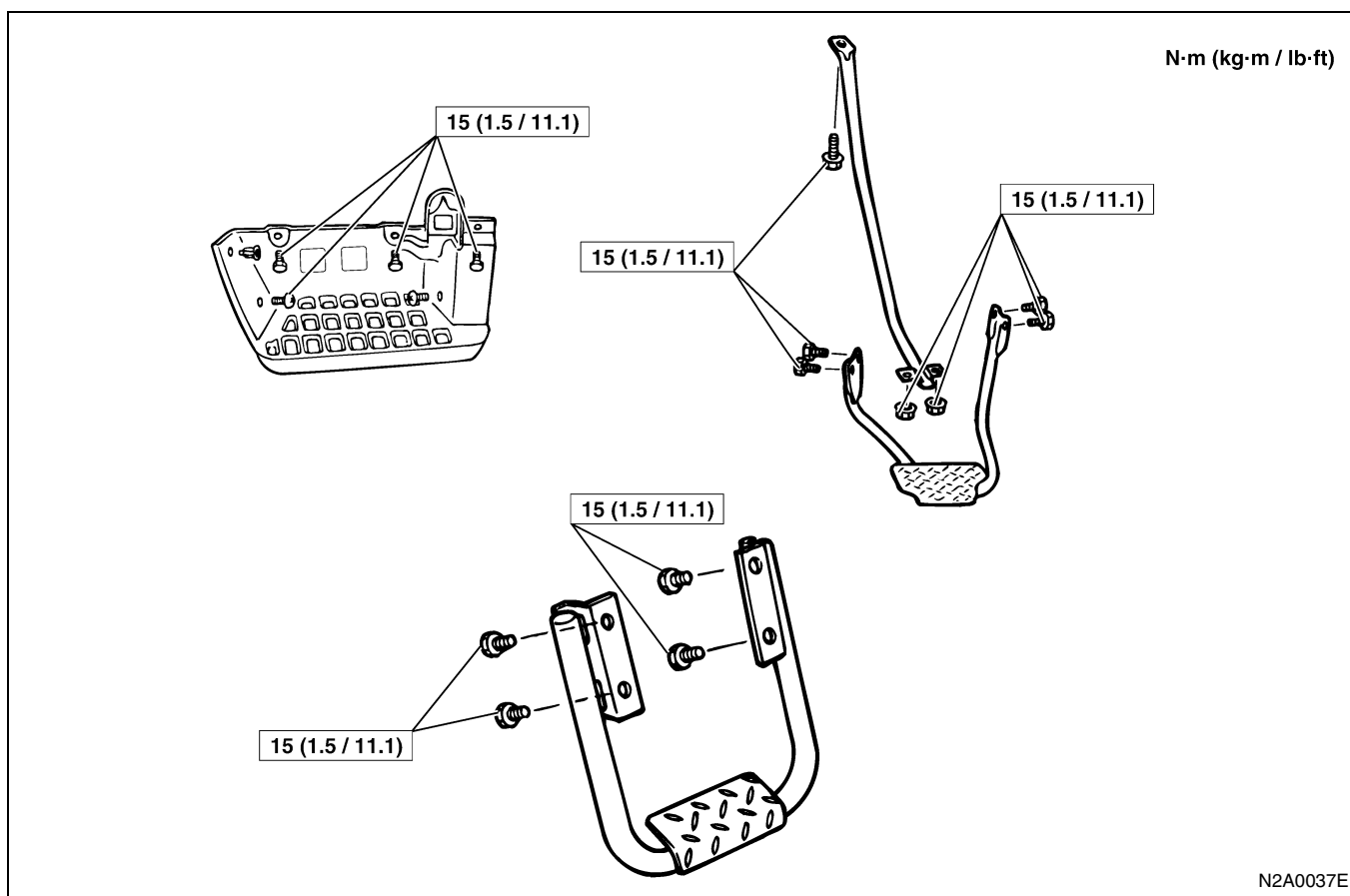
For installation, reverse the removal procedure taking the following points into consideration.

1. Tighten the fixing bolts to the specified torque.

Tighten:

Fixing bolt to 15 N·m (1.5 kg·m/11.1 lb·ft)

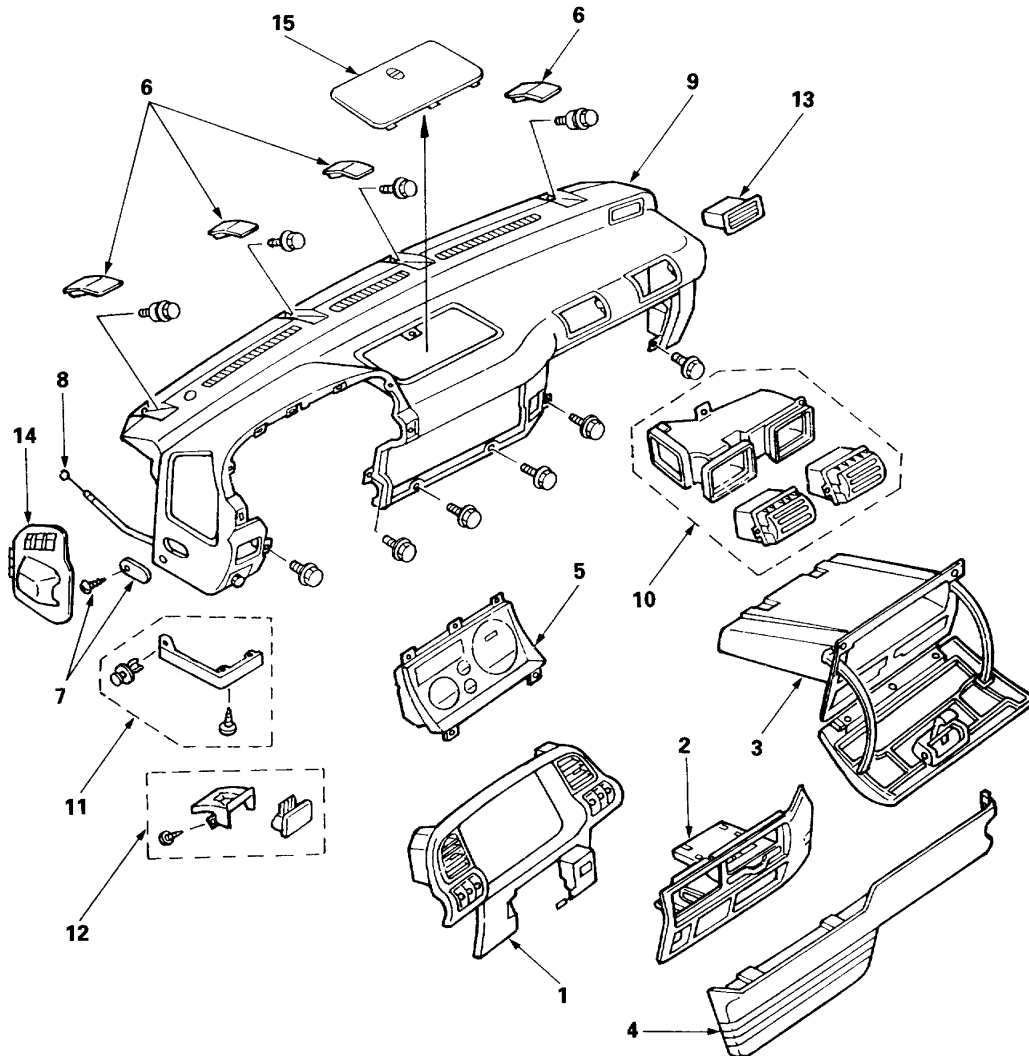
Fixing Torque



INSTRUMENT PANEL

Instrument Panel Assembly

This illustration is based on LHD.



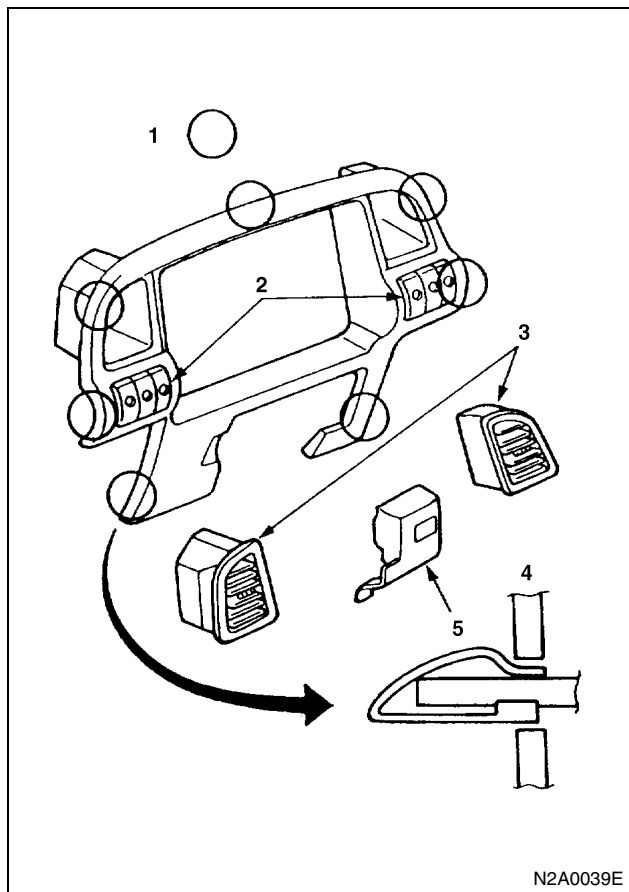
N2A0038E

Legend

- | | |
|----------------------------|----------------------------------|
| 1. Meter cluster | 9. Instrument panel assembly |
| 2. Center cluster | 10. Vent duct |
| 3. Glove box | 11. Instrument panel extension |
| 4. Under cover | 12. Ashtray (driver's seat side) |
| 5. Meter assembly | 13. Side defroster nozzle |
| 6. Front cover | 14. Fluid tank cover |
| 7. Instrument side grommet | 15. Relay lid |
| 8. Idling control cable | |

Removal**1. Meter cluster**

- Pull the main unit toward you and remove the clips at 7 positions. Remove each switch connector. When switches are mounted on the switch cover, remove the connectors.
- Remove the vent grille, switch cover and each switch from the cluster proper.

**Legend**

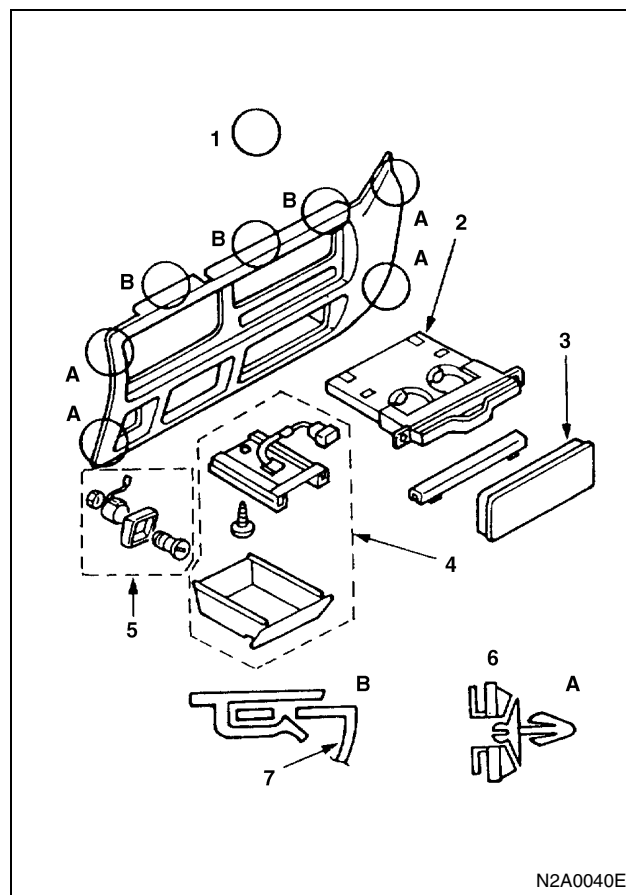
1. Clip position
2. Switch
3. Vent grille
4. Clip section
5. Switch cover

2. Center cluster

- Pull the main unit toward you and remove the clips A at 4 positions, clips B at 3 positions, cigar lighter power source and ashtray lighting connector. When an auto air conditioner is mounted, remove the room sensor.
- Remove the drink holder, control unit cover (or glove compartment), ashtray and cigar lighter from the center cluster proper.

Caution:

Remove the clips B with a bladed screwdriver.

**Legend**

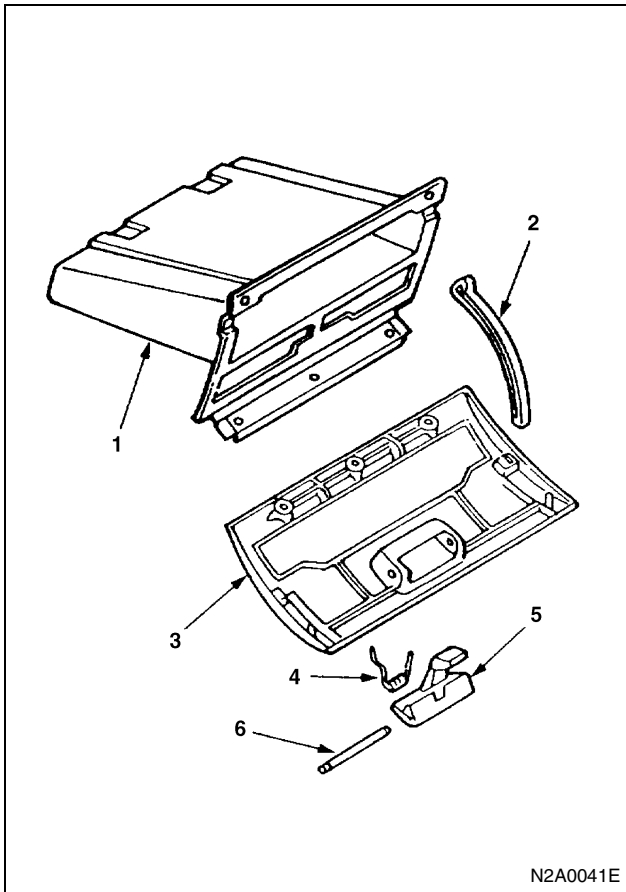
1. Clip position
2. Drink holder
3. Control unit cover
4. Ashtray
5. Cigar lighter
6. Clip section
7. Center cluster

3. Glove box

- Open the lid and remove the 4 mounting screws. Then, remove the main unit.
- Remove the left and right stays, remove the 3 mounting screws, and remove the lid.
- Pull out the pin from the lid and remove the spring and lever.

Caution:

The Instrument panel assembly of this item can be removed without disassembling each of the parts of above items 1 — 3.



Legend

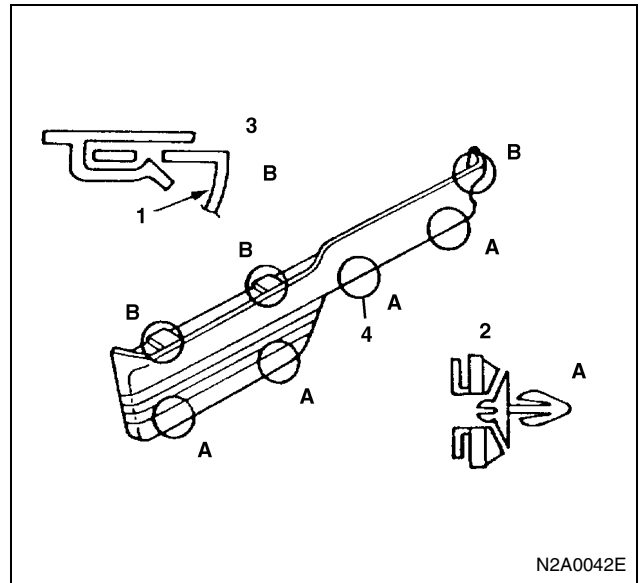
1. Glove box
2. Stay
3. Glove box lid
4. Spring
5. Lever
6. Pin

4. Under cover

- Pull the main unit toward you and remove the clips A at 3 positions (4 positions for the wide cab) and clips B at 3 positions. First remove the clips B.

Caution:

The above parts of 1 to 4 can be removed in any order, or each of them can be removed independently.



Legend

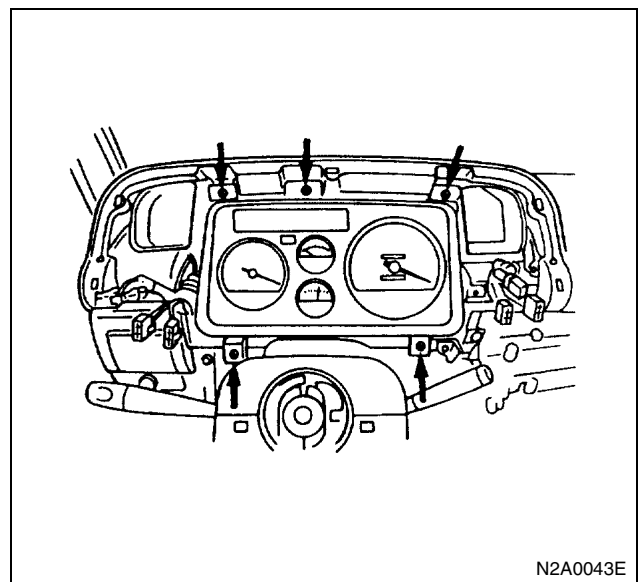
1. Center cluster
2. Clip section A
3. Clip section B
4. NPR only

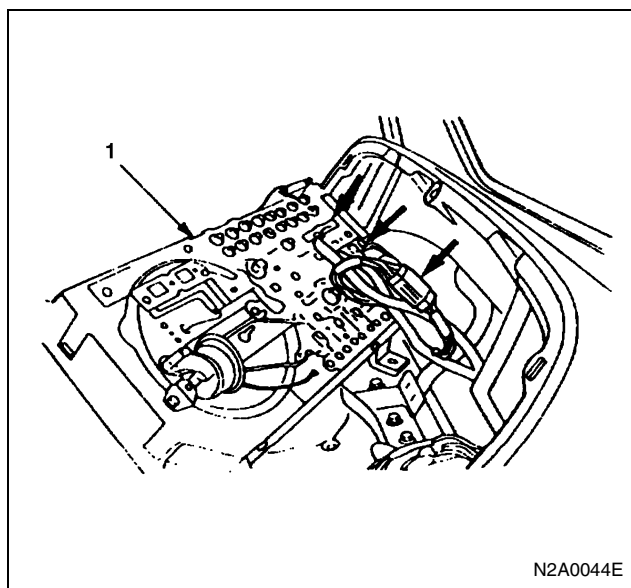
5. Meter assembly

- Remove the 5 mounting screws.
- Remove the connector.

Caution:

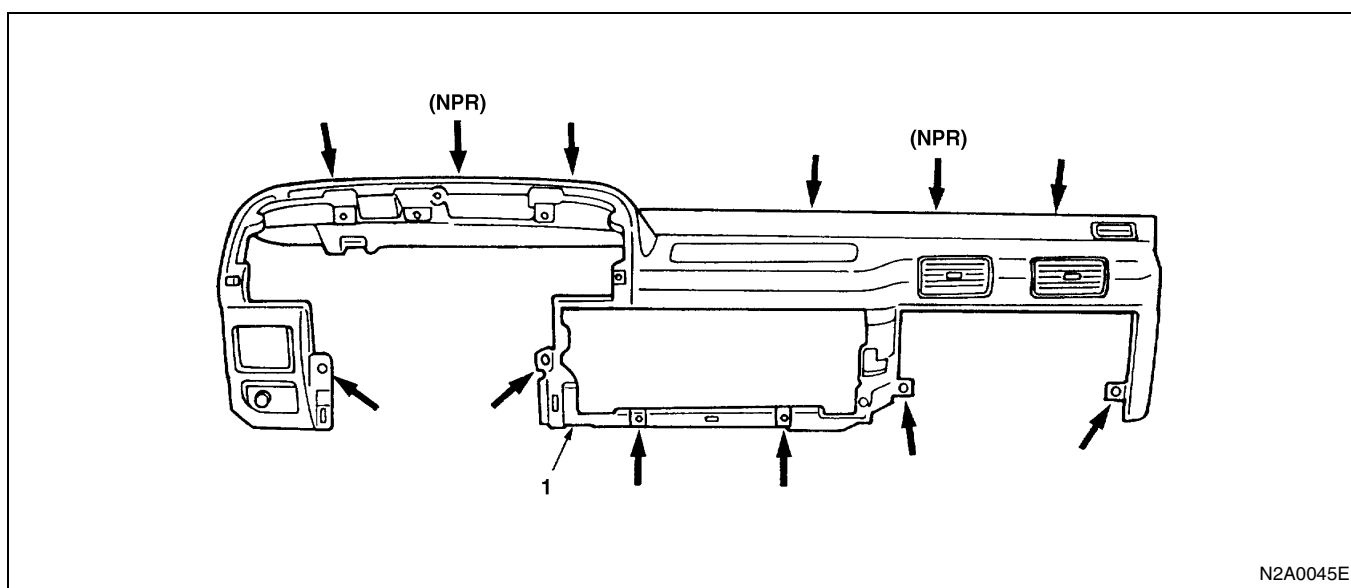
To remove only the meter assembly (1), it can be attained by removing the meter cluster.





- Remove the clip on the accelerator pedal side.
9. Instrument Panel assembly
- Remove the 10 mounting bolts (Wide cab=12 bolts). When the vehicle is provided with an auto air conditioner, remove the solar radiation sensor connector and harness clips from the duct and push the instrument panel assembly (1) from the rear side.

6. Front cover
7. Instrument side grommet
- Remove the screws and pull out the instrument side grommet.
8. Idling control cable



10. Vent duct
- Remove the mounting screws.
11. Instrument panel extension
- Remove the mounting screws and clips.
12. Ashtray (driver's seat side)
- Pull out the main unit and remove the tray mounting screws.
13. Side defroster nozzle
- Push out the side defroster nozzle from the rear side of the instrument panel assembly.
14. Fluid tank cover
- Pull out the fluid tank cover.
15. Relay lid

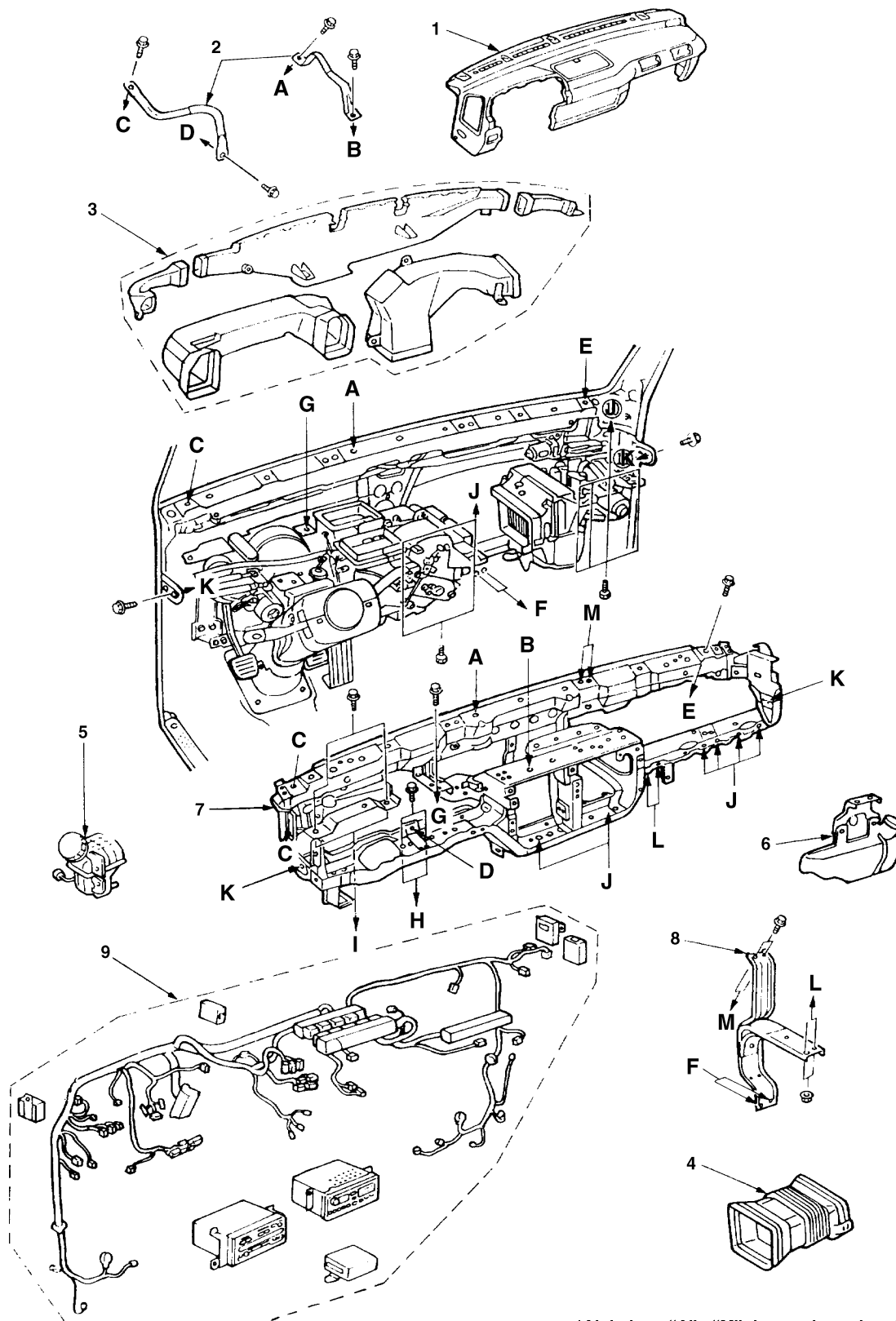
Installation

For installation, reverse the removal procedure taking the following points into consideration.

1. After installing each connector, check the operation of each equipment.

Instrument Reinforcement Assembly

This illustration is based on LHD.



*Alphabets "A" - "M" denote the order of removing bolts.

N2A0046E

Legend

- | | |
|---------------------------------------|--|
| 1. Instrument panel assembly | 6. Washer tank/bracket |
| 2. Instrument center/side stay | 7. Instrument reinforcement assembly |
| 3. Defroster nozzle/ventilation duct | 8. Instrument support bracket (wide cab model) |
| 4. Intermediate duct (wide cab model) | 9. Body harness/controller/radio |
| 5. Brake/clutch fluid reserve tank | |
-

Removal

1. Instrument panel assembly
 - Refer to “Instrument panel assembly” in this Section.
2. Instrument center/side stay
 - Remove the mounting bolts A — D.
3. Defroster nozzle/ventilation duct
 - Refer to “Heater/Air Conditioner Workshop Manual”.
4. Intermediate duct (wide cab model)
5. Brake/clutch fluid reserve tank
 - Remove the level switch connector and remove the 4 nuts.
 - Extract the fluid and remove each tube.

Caution:

Don't apply the brake/clutch fluid to the resign portions and painted portions in any case.

6. Washer tank/bracket
 - Remove the washer motor connector and washer tube and remove the two bolts fixing the bracket and the one bolt in the lower part of the tank.
7. Instrument reinforcement assembly
 - Remove all the connectors of electrical equipments.
 - Remove the mounting bolts E — K.
 - When the vehicle is provided with a manual air conditioner, remove each control cable. For removal, refer to “Heater/Air conditioner Workshop Manual”.
8. Instrument support bracket (wide cab model)
 - Remove the bolts L and M and remove the instrument support bracket from the instrument reinforcement assembly.
9. Body harness/controller/radio
 - Remove the body harness/controller/radio from the instrument reinforcement assembly. Refer to “Electrical Equipment Workshop Manual” and “Heater/Air Conditioner Workshop Manual”.

Installation

For installation, reverse the removal procedure taking the following points into consideration.

1. Tighten each bolt to the specified tightening torque.

Tighten:

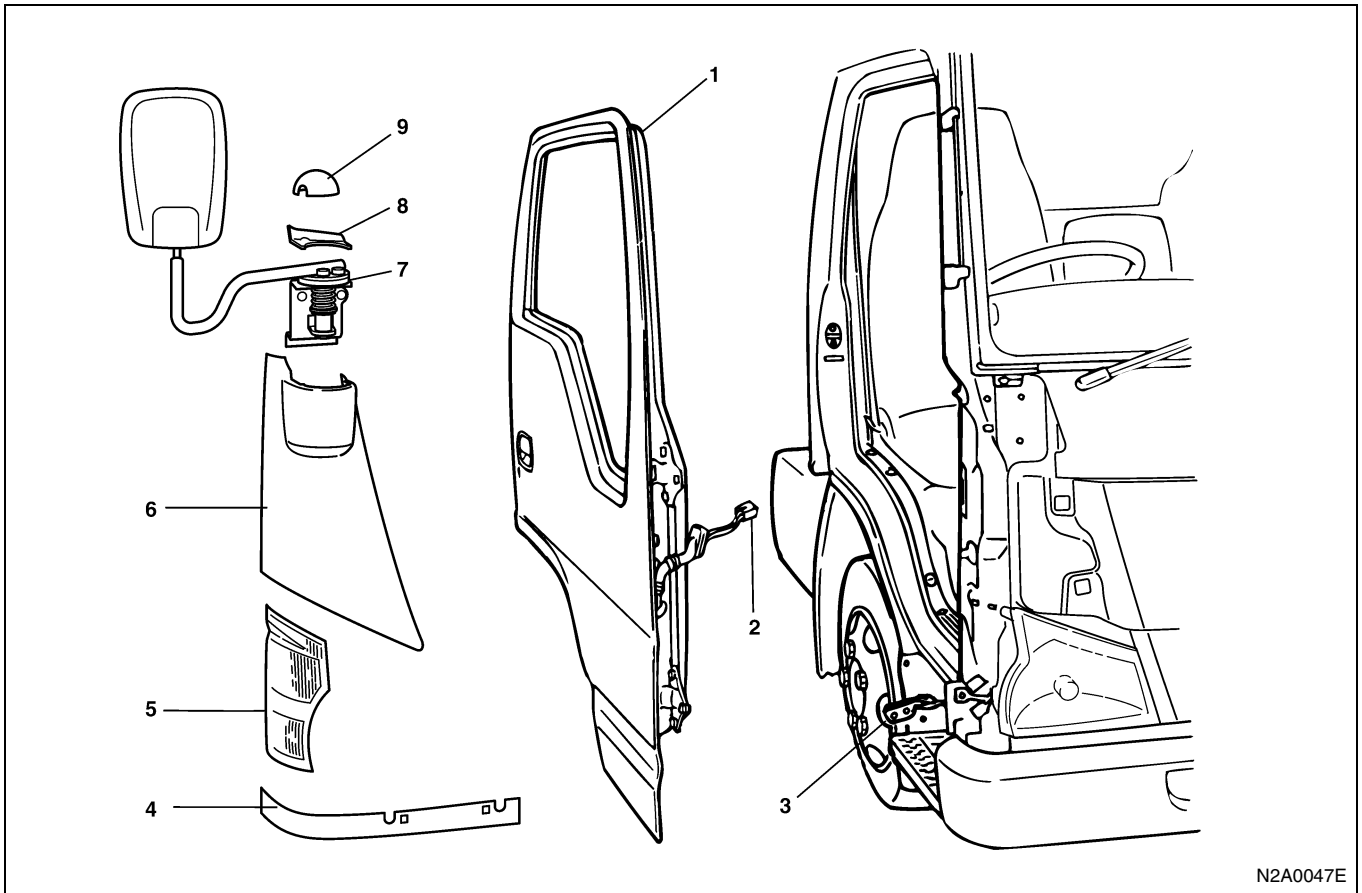
- G: Clutch pedal bracket upper bolt to 37 N·m (3.8 kg·m/27 lb·ft)
- H: Steering column bracket bolt to 20 N·m (2.1 kg·m/14 lb·ft)
- I: Brake pedal bracket upper bolt to 42 N·m (4.3 kg·m/32 lb·ft)

Tighten the other bolts and nuts to the standard torque.

2. Perform air bleeding for the brake and clutch.

DOOR

Front Door Assembly Component



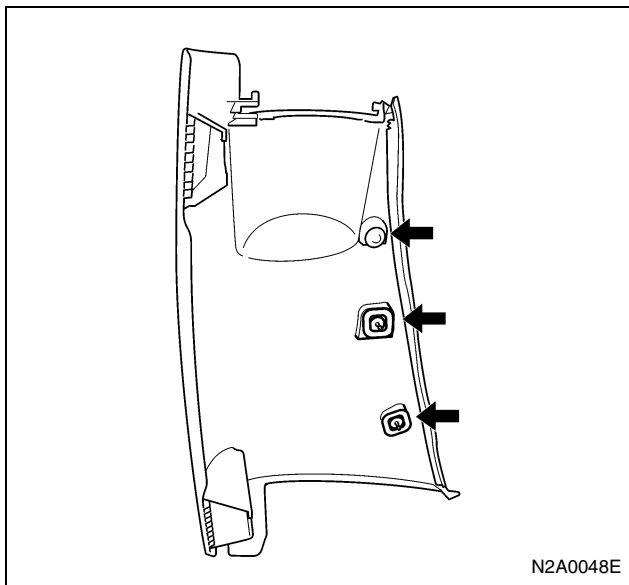
N2A0047E

Legend

- | | |
|---------------------------|-----------------------------|
| 1. Front door assembly | 6. Front panel side |
| 2. Door harness connector | 7. Outside mirror |
| 3. Door check arm | 8. Outside mirror sub cover |
| 4. Headlamp lower cover | 9. Outside mirror stay cap |
| 5. Front combination lamp | |

Removal

1. Disconnect the battery ground cable.
2. Headlamp grille
 - Pull out the head lamp grille toward you.
3. Front combination lamp
 - Remove the mounting screw and disconnect the connector.
4. Front panel side
 - Remove the bolt.
 - Be careful the 3 clips shown in the figure when removing the front panel side.

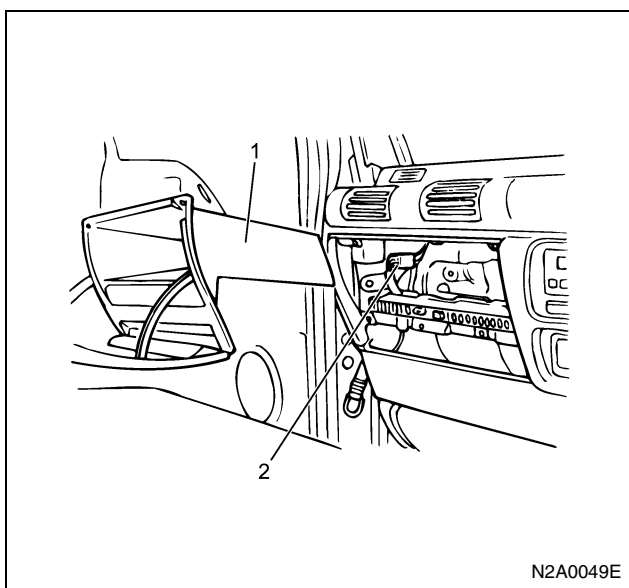


5. Outside mirror/molding

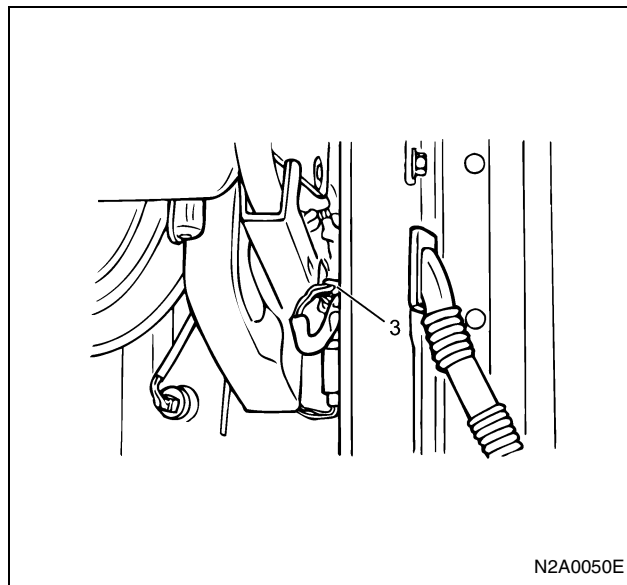
- Refer to "Outside Mirror Assembly" in this Section.

6. Disconnect the door harness connector (2).

- To remove the door on the assistant's seat side, remove the glove box (1) and disconnect the connector.

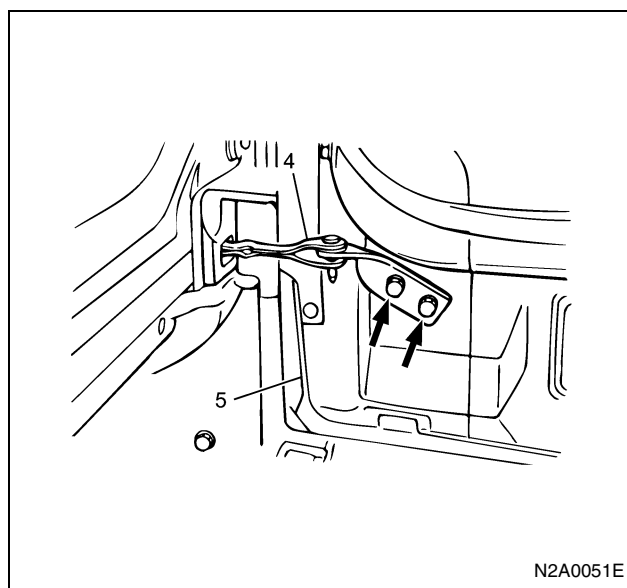


- To remove the door on the driver's seat side, disconnect the connector (3) from the bottom side of the instrument panel.



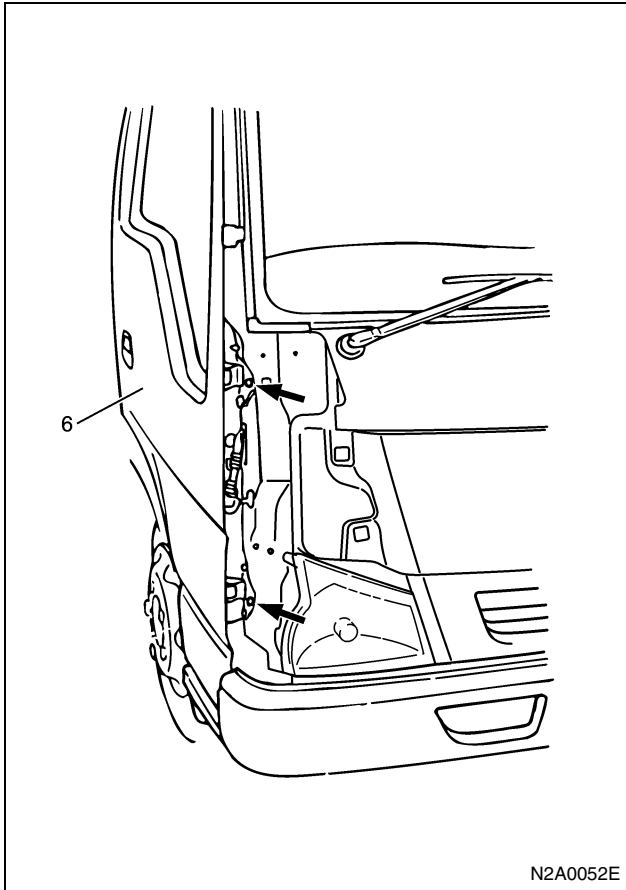
7. Door check arm (4)

- Remove the 2 mounting bolts on the door side (5).



8. Front door assembly (6)

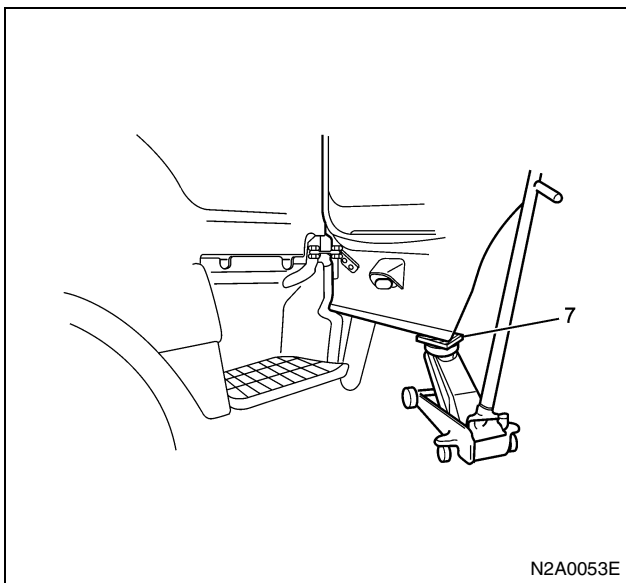
- Remove the one mounting bolt for each hinge on the front side while the door is closed.
- Put mark on the hinge beforehand.



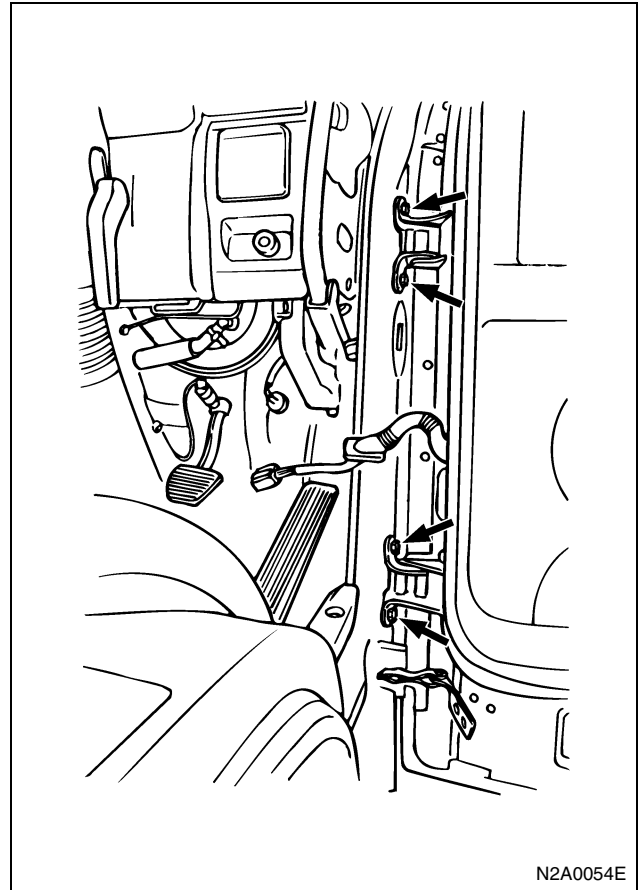
- Open the door and support it with garage jack etc.

Caution:

To prevent scratches, support it with a waste cloth or wooden piece (7).



- Remove the 2 mounting bolts for each hinge on the rear side while the door is open.



Installation

For installation, reverse the removal procedure taking the following points into consideration.

1. Tighten the mounting bolts to the specified torque.

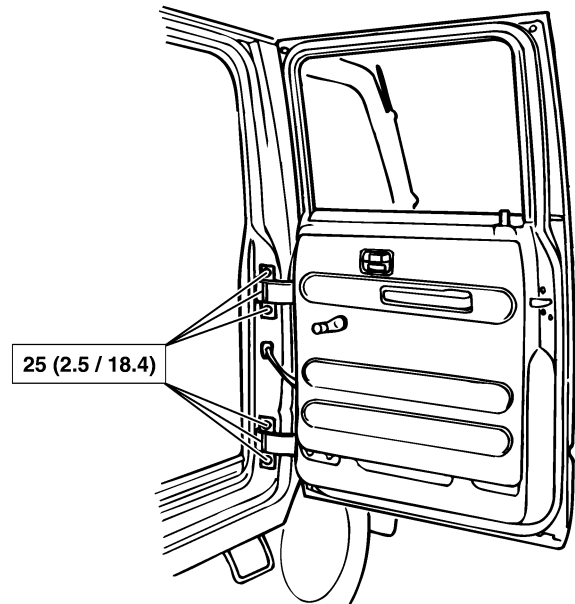
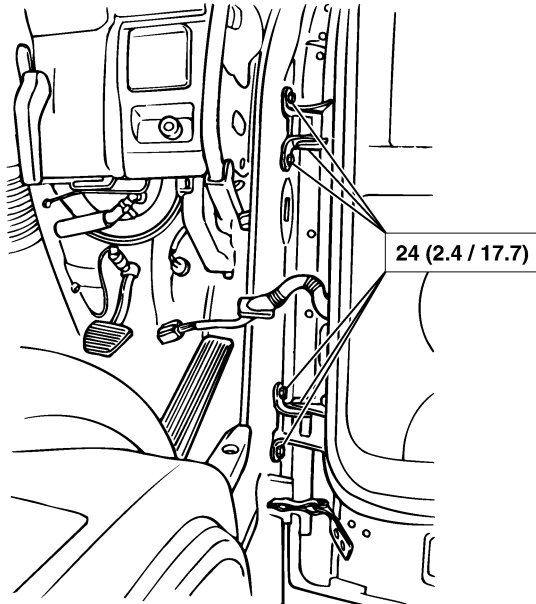
Tighten:

Mounting bolt to 24 N·m (2.4 kg·m/17.7 lb·ft)

2. Adjust the door installation position referring to "Body Panel Assembly" in Body Panel Section.

Fixing Torque

N·m (kg·m / lb·ft)

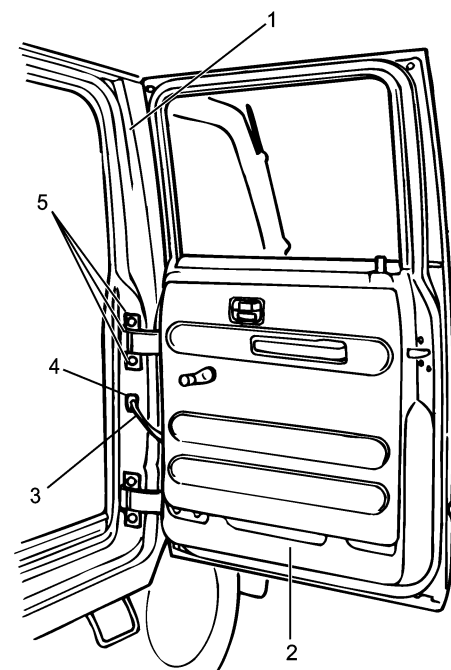


N2A0055E

Rear Door Assembly

Removal

1. Rear door harness connector (4)
 - Remove the harness grommet (3) and disconnect the connector inside center pillar (1).
2. Rear door assembly mounting bolt (5)
 - Support the rear door assembly and remove the 3 bolts on each hinge. (Put mark on the hinge beforehand.)
3. Rear door assembly (2)



N2A0056E

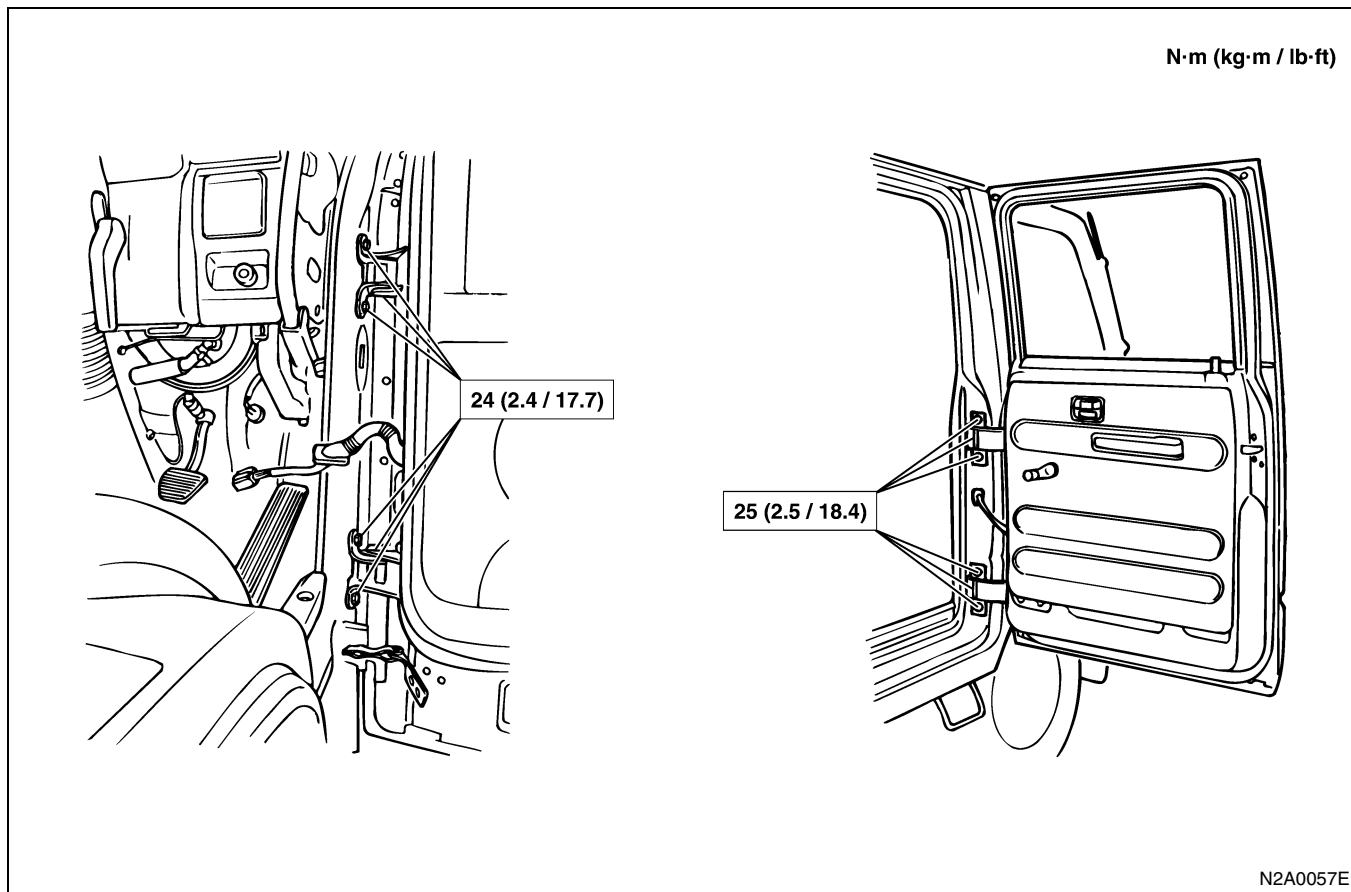
Installation

For installation, reverse the removal procedure taking the following points into consideration.

1. Tighten the rear door assembly mounting bolts to the specified torque.

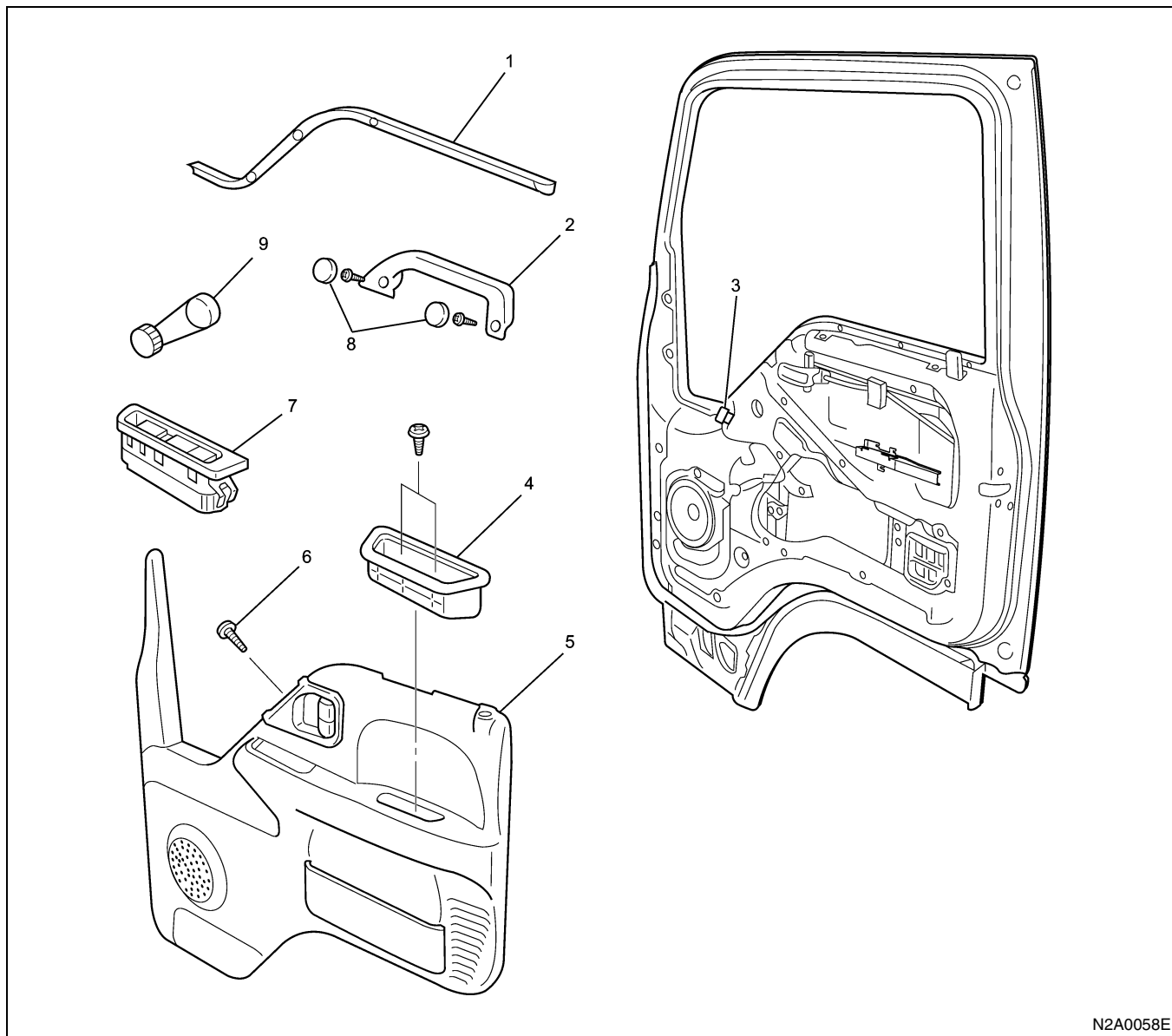
Tighten:

Rear door assembly mounting bolt to 25 N·m (2.5 kg·m/ 18.4 lb·ft)

Fixing Torque

Front Door Trim Pad

Component



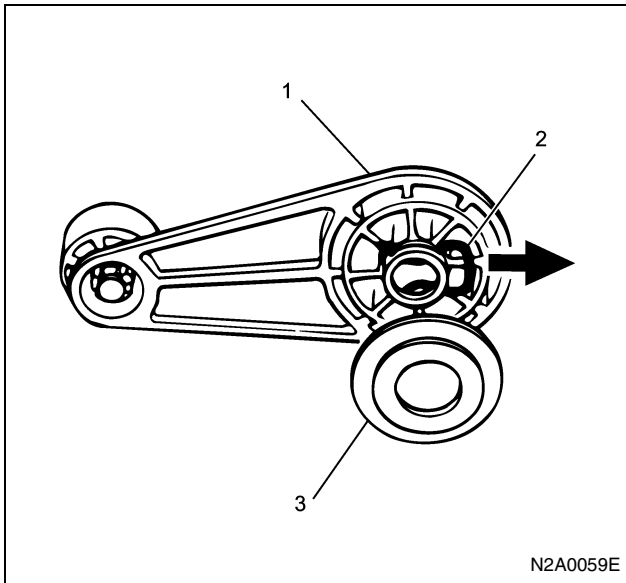
N2A0058E

Legend

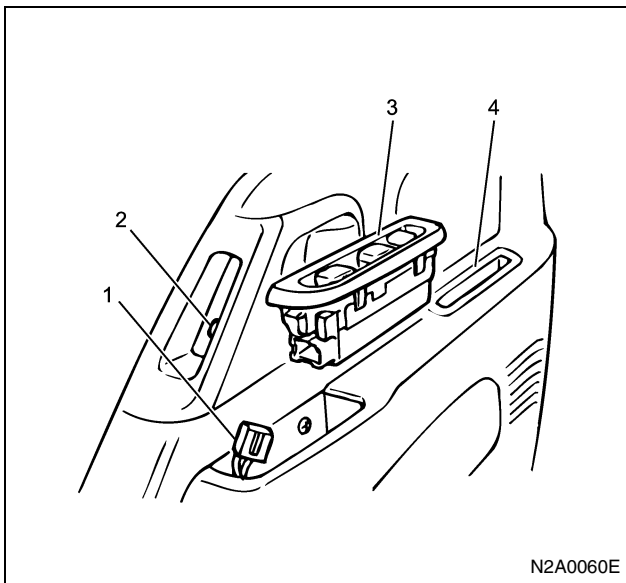
- | | |
|---|--|
| 1. Inner waist seal | 6. Screw |
| 2. Guard bar (High cab model, wide cab model) | 7. Power window switch |
| 3. Power window switch connector | 8. Grommet |
| 4. Door pull case | 9. Window regulator handle (if equipped) |
| 5. Front door trim pad | |

Removal

1. Disconnect the battery ground cable.
2. Guard bar (high cab model, wide cab model)
 - Open the grommet and remove the 2 screws.
3. Inner waist seal
 - Remove the clips one by one with a bladed screwdriver. Note that excessive force will cause deformation. Be careful not scratch the pillar with their edge while removing.
4. Window regulator handle (1). (if equipped)
 - Pull the fixing pin (2) to remove the washer (3) and body.

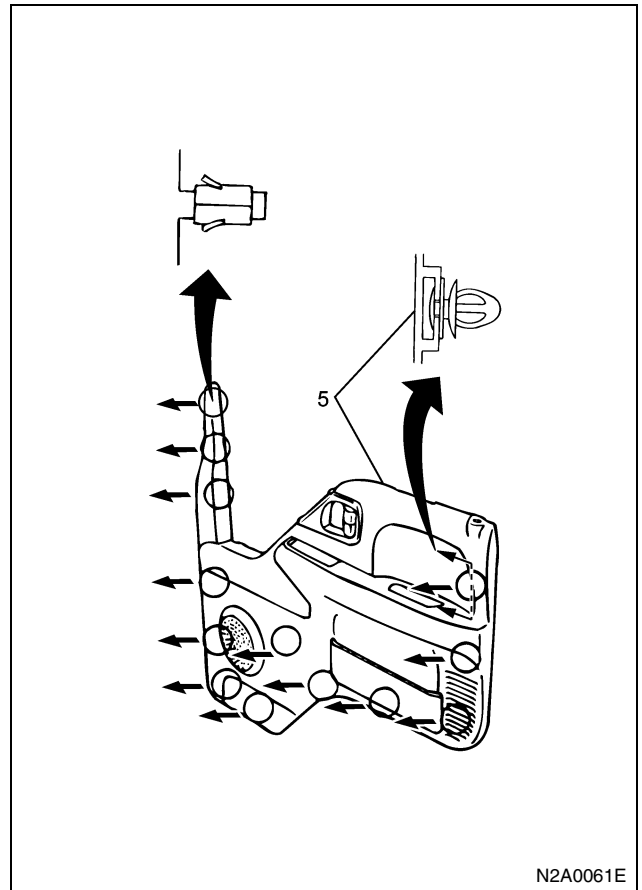


5. Power window switch (3)
 - Pull out the switch from the door trim pad and disconnect the connector (1).
6. Screw (2)
7. Door pull case (4)
 - Remove the 2 mounting screws.

**Caution:**

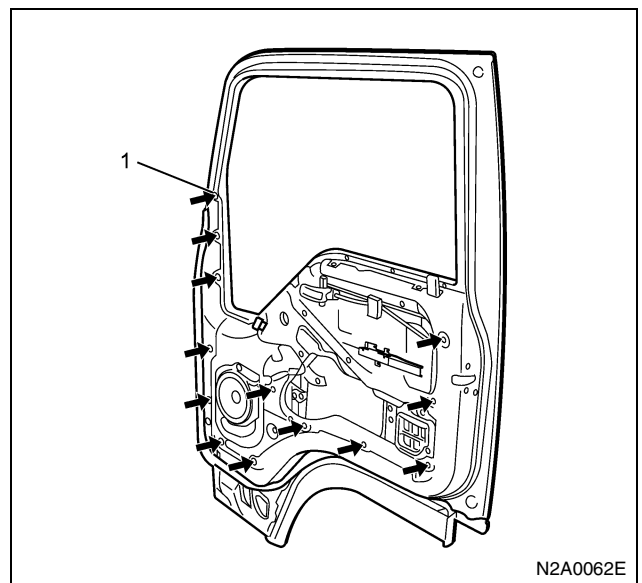
The above parts 3 to 5 can be removed in any order or each of them can be removed independently.

8. Front door trim pad (5)
 - Remove the clips at 13 positions.

**Installation**

For installation, reverse the removal procedure taking the following points into consideration.

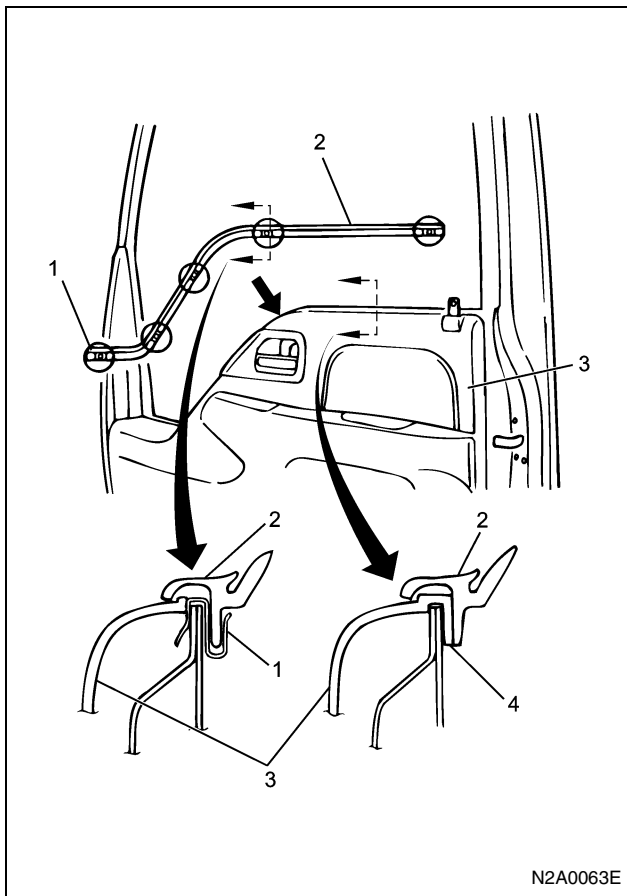
1. Adjust the trim pad clip to the mounting hole (1) on the door panel side and install the trim pad so as to prevent any float, skewness or door harness bite.



2. To install the inner waist seal (2), align the front end so that the seal hang over the 4 claws (4) of upper part of the trim pad (3) and insert the clips in sequence starting from the front end clip (1). Note that applying force in transverse direction will cause deformation.

Caution:

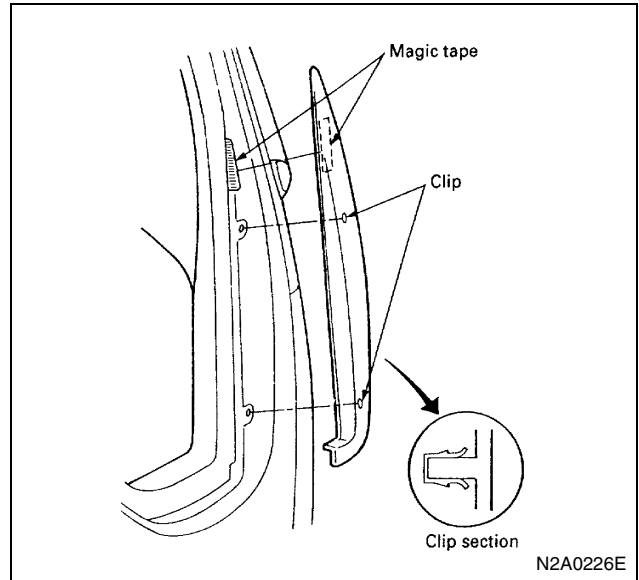
Be extremely careful that the painted surface of pillar bottom part may be scratched by the cored bar of the both ends of inner waist seal during removal. If it get damaged, touch up it with appropriate color to prevent rust.



Front Pillar Garnish

Removal

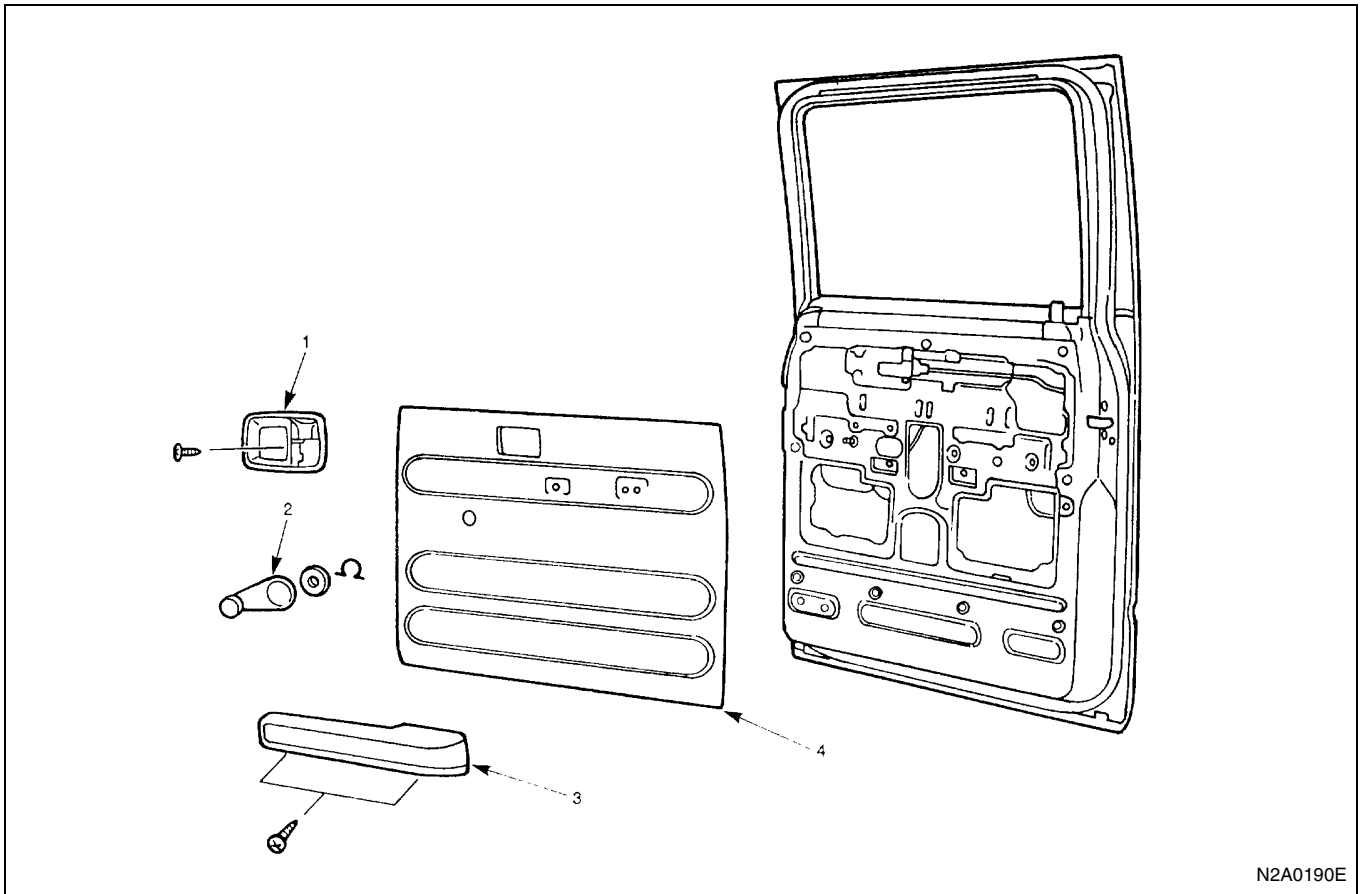
1. Front pillar garnish
Peel off the magic tape and pull it toward you. Pull out the clips at 2 positions.



Installation

For installation, reverse the removal procedure.

Rear Door Trim Pad

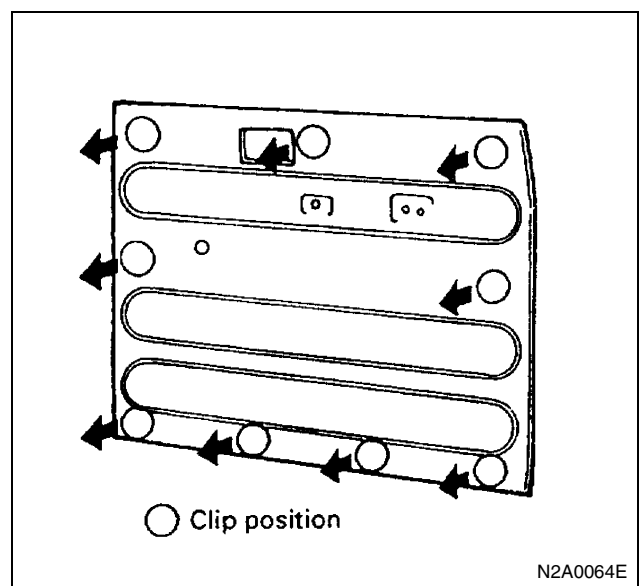


Legend

- | | |
|----------------------------|-----------------------|
| 1. Inside lever bezel | 3. Arm rest assembly |
| 2. Window regulator handle | 4. Rear door trim pad |

Removal

1. Inside lever bezel
 - Remove the mounting screws and draw out the bezel forward by pulling the inside lever.
2. Window regulator handle
 - Draw out the hook and dismount the handle.
3. Arm rest assembly
 - Remove the 2 mounting screws.
4. Rear door trim pad
 - Remove the clip fitting at 9 positions.

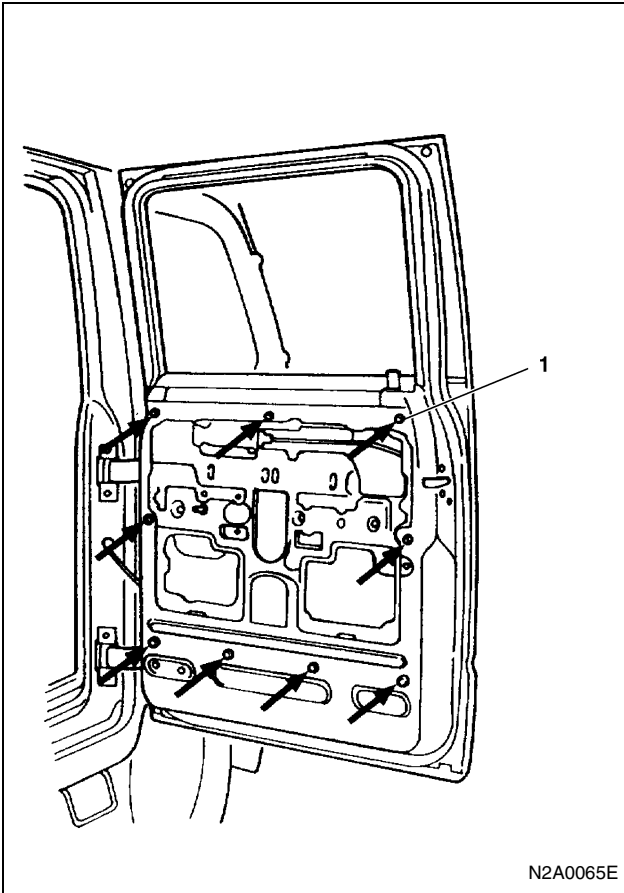


Installation

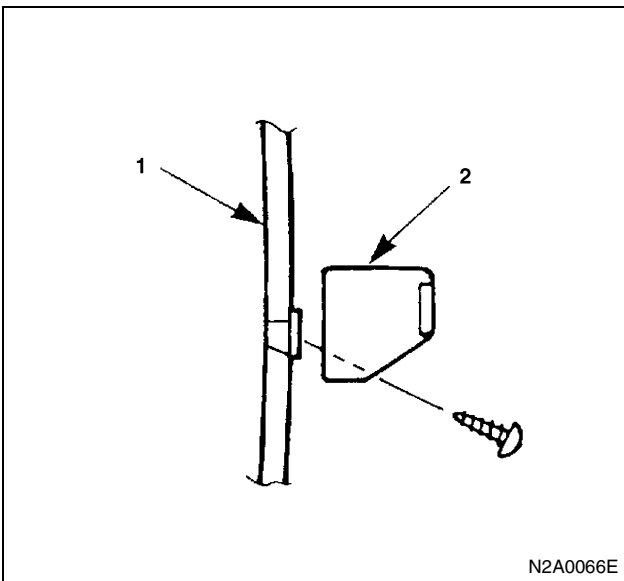
For installation, reverse the removal procedure taking the following points into consideration.

2-36 CAB AND FRAME

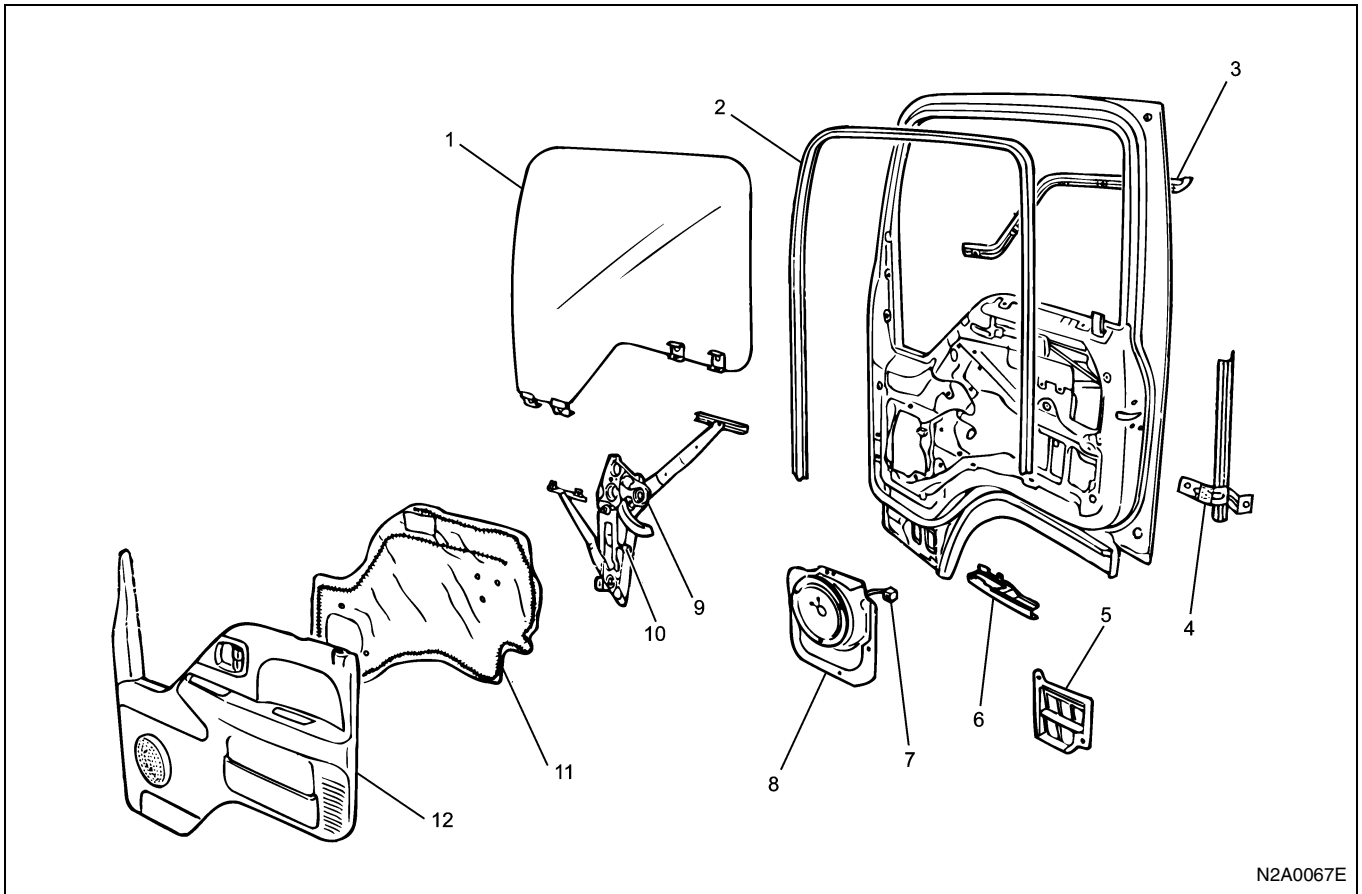
1. Install the rear door trim pad by adjusting the trim pad grip to the mounting hole (1) on the door panel side so that any float, skewness, harness bite may not exist.



2. Take care not mistake the tightening direction for the arm rest assembly (2) mounting screws.



Door Window Glass, Regulator and Glass Run

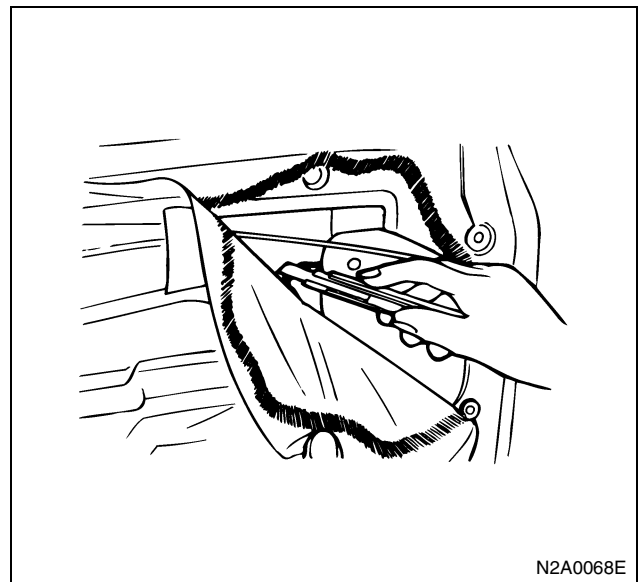


Legend

- | | |
|---------------------------|----------------------------------|
| 1. Glass | 7. Speaker connector |
| 2. Glass run | 8. Speaker |
| 3. Outer waist seal | 9. Window regulator |
| 4. Glass run rear channel | 10. Power window motor connector |
| 5. Door-out one way valve | 11. Water-proof sheet |
| 6. Door pull case bracket | 12. Front door trim pad |

Removal

1. Front door trim pad
 - Refer to "Front door trim pad" in this Section.
2. Speaker
 - Remove the 3 screws and 1 clip and disconnect the connector.
3. Door pull case bracket
4. Door-out one-way valve
5. Water-proof sheet
 - Peel off the water-proof sheet carefully with a cutter or knife. Take care not to damage it when peeling it off.

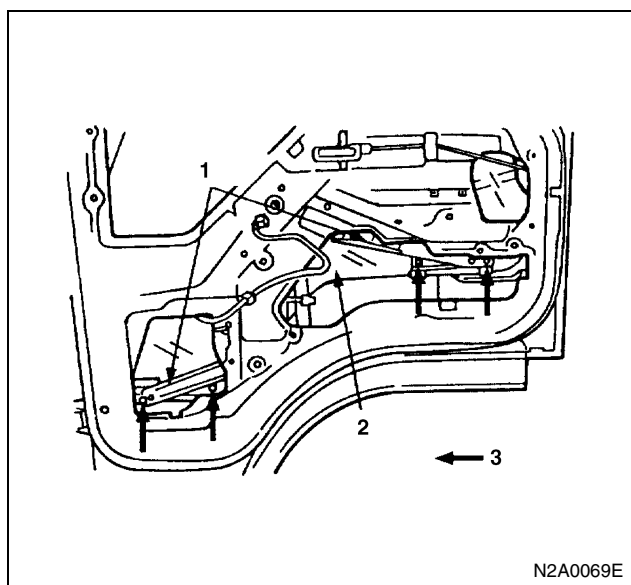


6. Outer waist seal

2-38 CAB AND FRAME

7. Glass

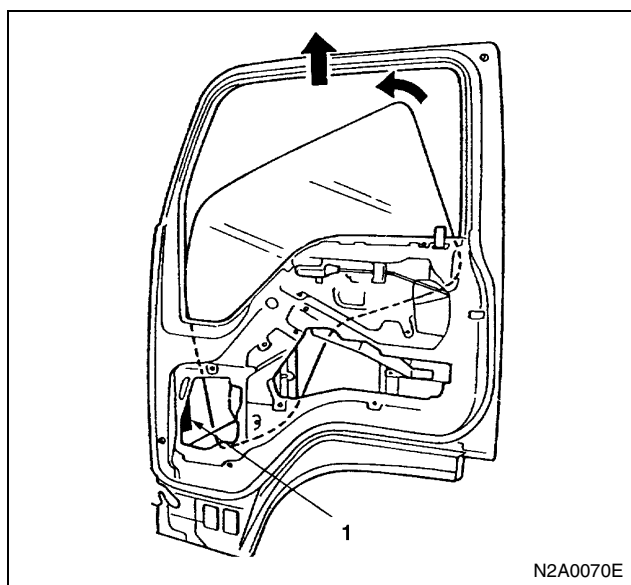
- Lower the glass to a position where the mounting screw can be seen, and remove the 4 screws.



Legend

1. Window regulator
2. Glass
3. Screw

- Lower the front side of the glass. After the front side of the glass comes off from the glass run, pull up the rear side of the glass.



Legend

1. Glass run

8. Window regulator

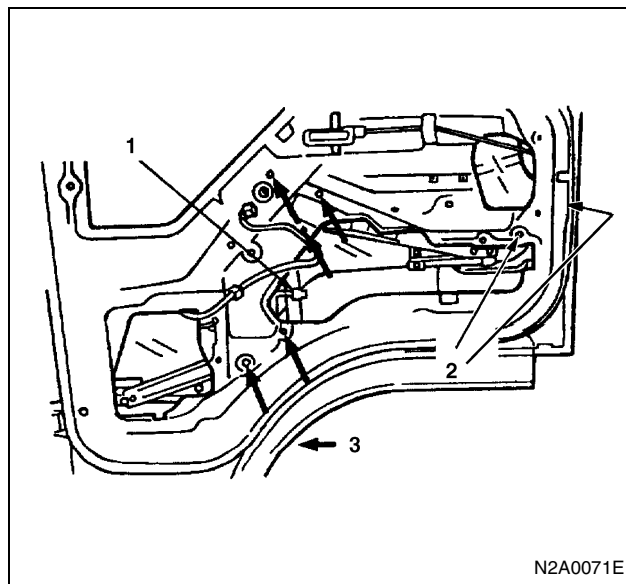
- Disconnect the harness connector of the power window motor and remove the 5 mounting screws.

9. Glass run

- Pull out the glass run from the door frame groove.

10. Glass run rear channel

- Pull out the 2 mounting screws.



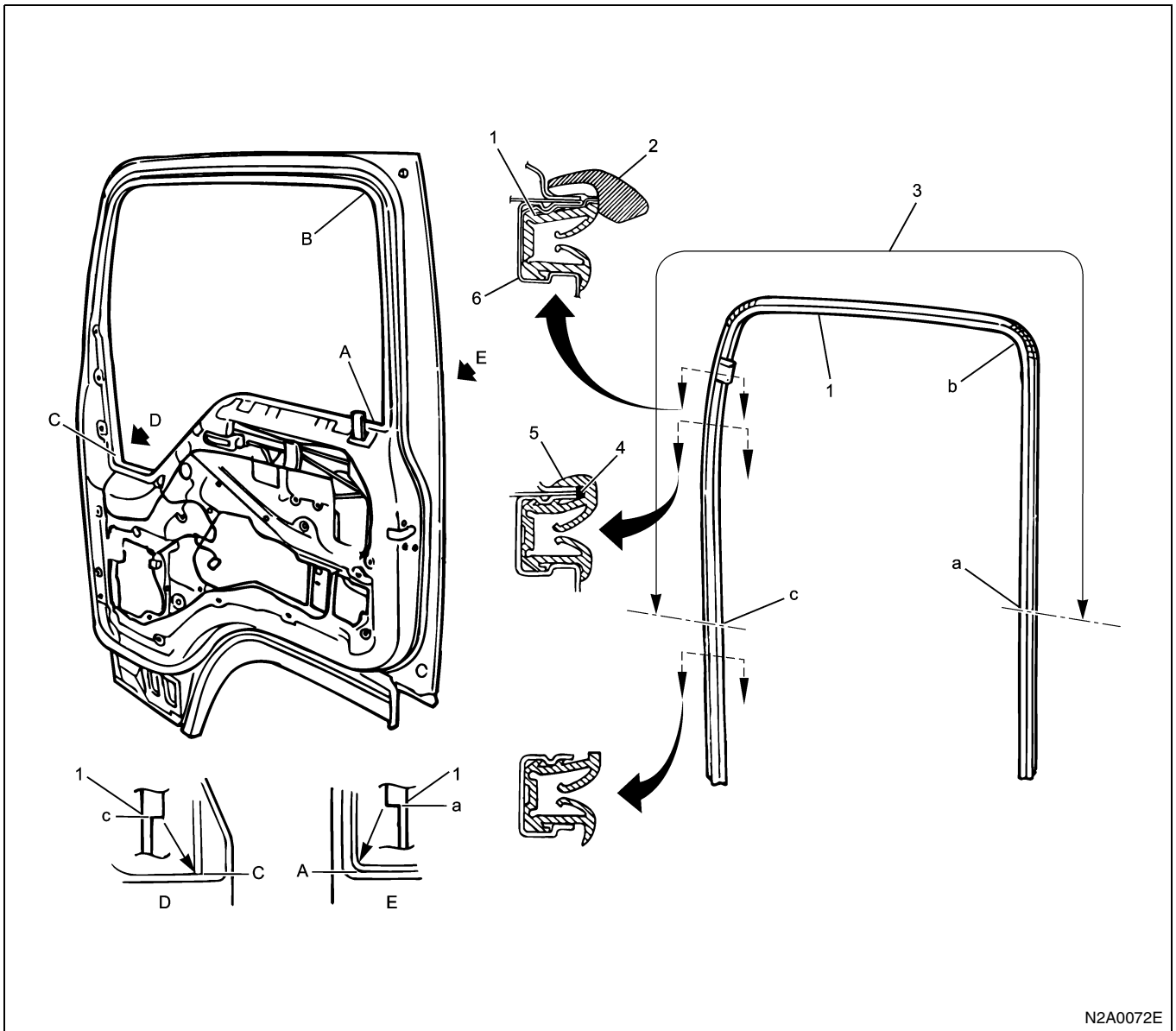
Legend

1. Power window motor connector
2. Glass run rear channel mounting screw
3. Mounting screw position

Installation

For installation, reverse the removal procedure taking the following points into consideration.

- Align the notch a of the glass run lip with the door outer waist line A. Align the glass run slit b with the door B and fit the glass run between A and B. Next, align the notch c of the glass run lip with the door outer waist line C and fit the glass run between B and C. Fit the glass run in the channel within the door. (Refer to the illustration shown on the next.)



N2A0072E

Legend

- | | |
|------------------------------|----------------------------|
| 1. Glass run | 4. Sealant |
| 2. Glass guide | 5. Lip |
| 3. Sealant application range | 6. Channel within the door |

- Fit the glass run with the lip toward the outside of the vehicle.
2. While the front side of the glass is lowered, insert the glass into the door panel. First, insert the rear side of the glass into the glass run, then insert the front side into the glass run. Raise the front side gradually along the glass run.
 3. Temporarily tighten the window regulator mounting screw (3) (basic hole) and tighten (1) to (5) firmly. Lastly, tighten (3) (basic hole) firmly.

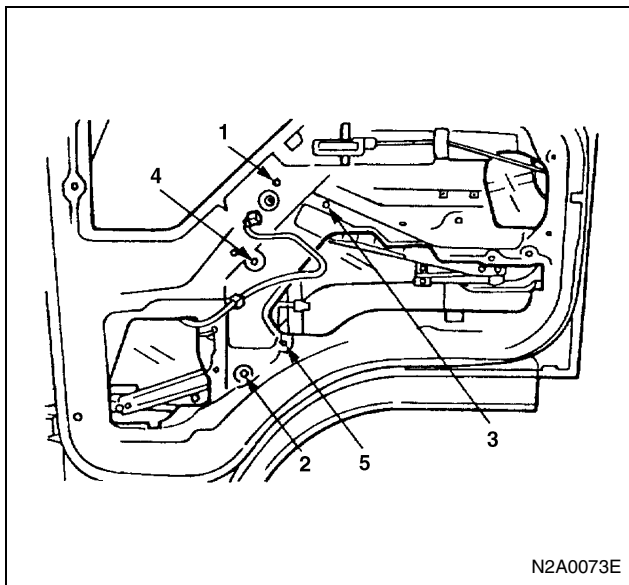
Tighten:

Window regulator mounting screw to 6 N·m (0.6 kg·m/4 lb·ft) — 7.8 N·m (0.8 kg·m/6 lb·ft)

Caution:

When reusing the glass run, apply the sealant to the range shown in the figure.

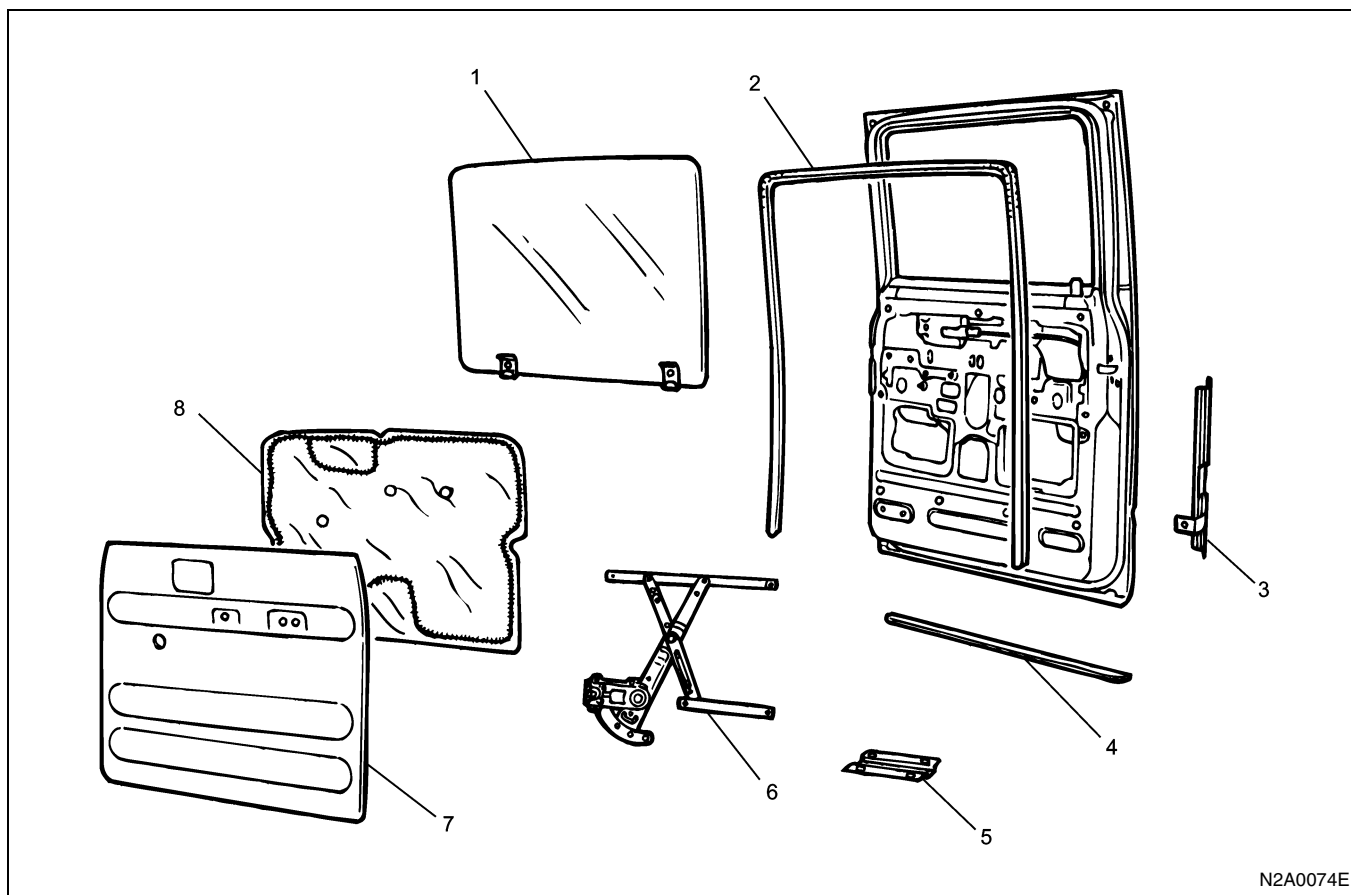
Sealant: CEMEDINE 366DX or equivalent



4. Glue the water-proof sheet with an IIR tape securely.
Check the water-proof sheet for breakage.

Rear Window Glass and Regulator

Component



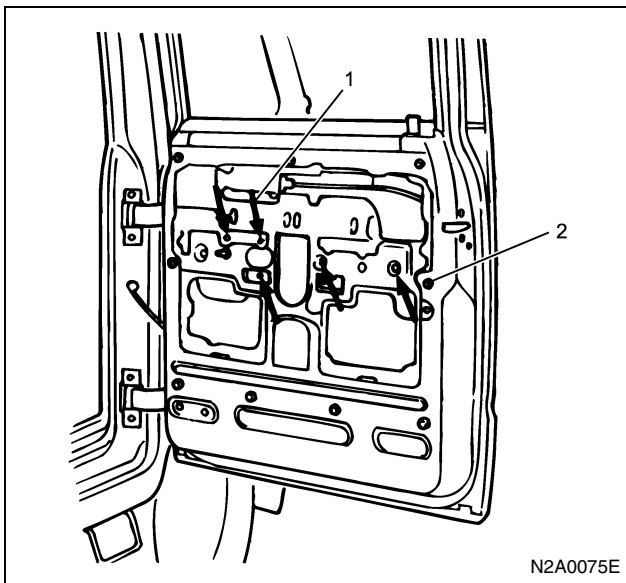
Legend

- | | |
|---------------------------|------------------------|
| 1. Rear door glass | 5. Door bottom bracket |
| 2. Glass run | 6. Window regulator |
| 3. Glass run rear channel | 7. Rear door trim pad |
| 4. Rear door glass plug | 8. Water-proof sheet |

Removal

Sealant: CEMEDINE 366DX or equivalent

1. Rear door trim pad
 - Refer to "Rear Door Trim Pad" in Interior & Exterior Trim Section.
2. Water-proof sheet
 - Peel off it carefully with a cutter or knife. Take care not to damage it when peeling it off.
3. Bottom bracket
 - Remove the 4 screws.
4. Rear door glass plug
5. Rear door glass
 - Lower the glass to a position of working holes where the mounting screws can be seen, remove the 2 screws and pull out them through the working holes in the bottom of door.
6. Window regulator
 - Remove the 5 mounting screws (1) and pull out them through the working holes.
7. Glass run
 - Pull out the glass run from the channel.
8. Glass run rear channel
 - Remove the mounting screw (2) and pull it out.



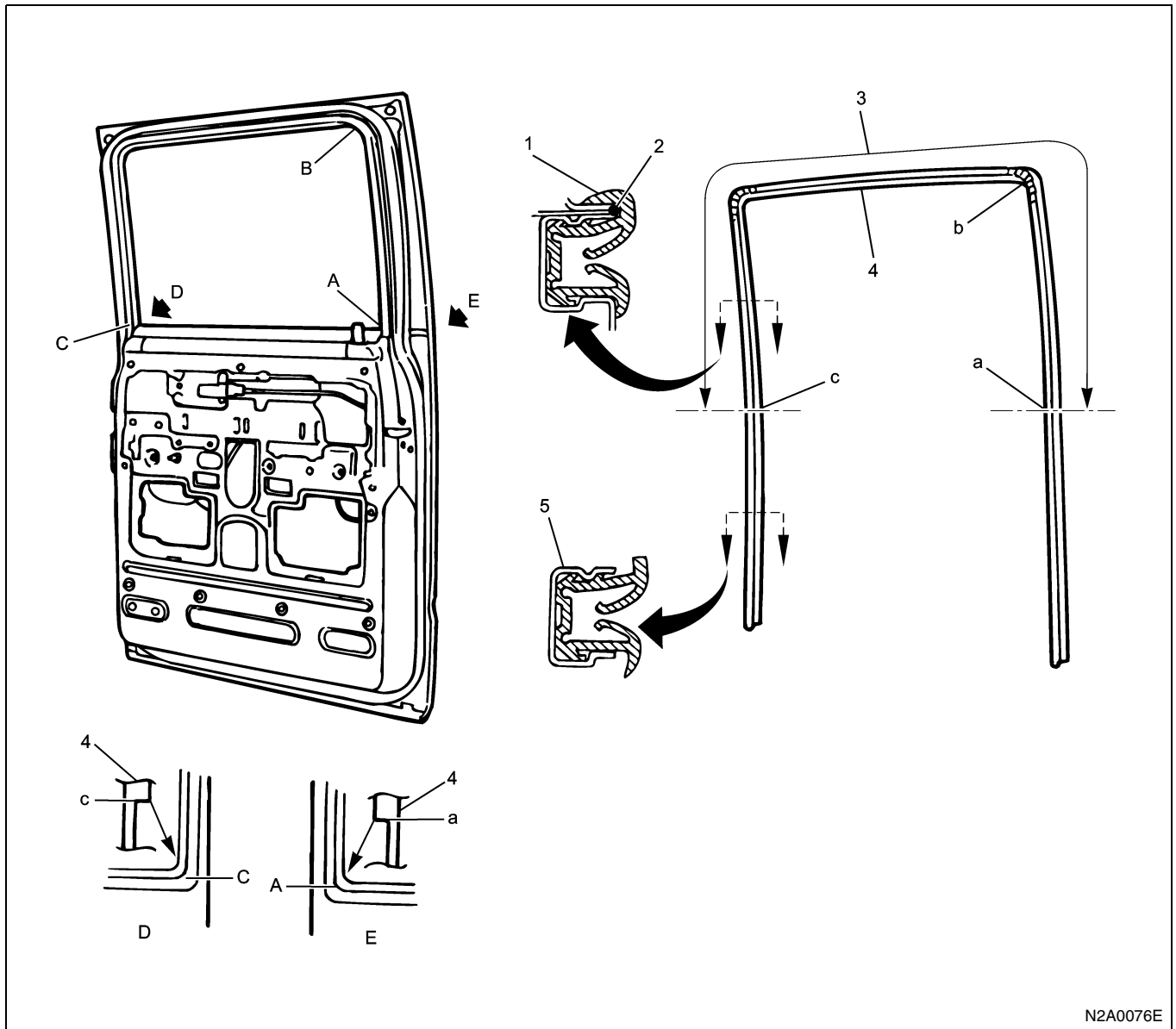
Installation

For installation, reverse the removal procedure taking the following points into consideration.

1. Align the notch (a) of the glass run lip (4) with the door outer waist line (A). Align the glass run slit (b) with the door (B) and fit the glass run between A and B. Next, align the notch (c) of the glass run lip with the door outer waist line (C) and fit the glass run between B and C. Fit the glass run in the channel (5) within the panel with the lip (1) toward the outside of the vehicle.

Caution:

When reusing the glass run, apply the sealant to the range shown in the figure.



Legend

1. Lip
2. Sealant application range
3. Sealant
4. Glass run
5. Channel within panel

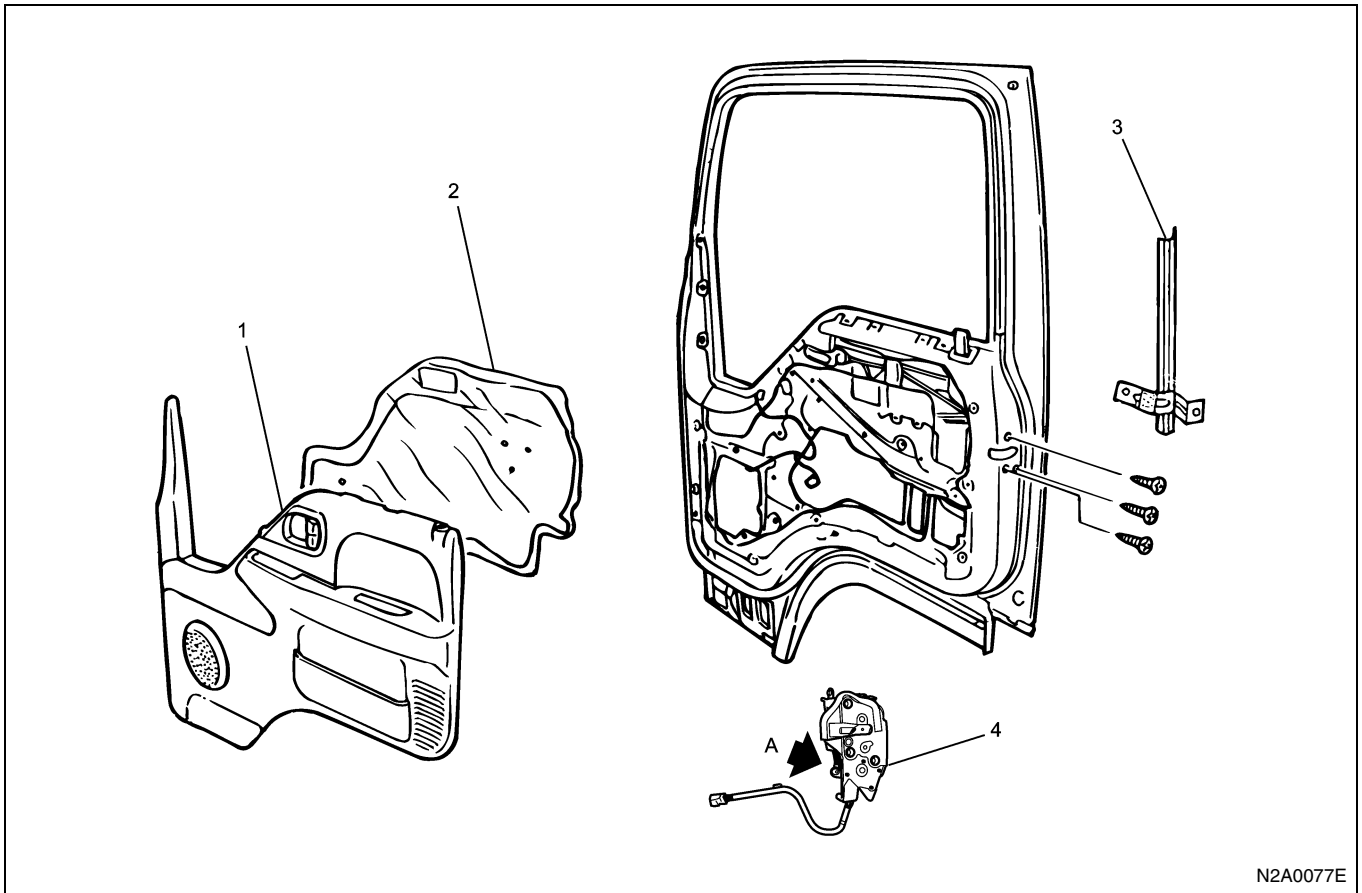
2. Insert the window regulator through the working hole to tighten the 5 mounting screws to the specified torque.

Tighten:

Window regulator mounting screw to 7 N·m (0.7 kg·m/
5.2 lb·ft)

3. Glue the water-proof sheet with butyl tape securely. Check it for breakage.

Door Lock Assembly



N2A0077E

Legend

- | | |
|----------------------|---------------------------|
| 1. Door trim pad | 3. Glass run rear channel |
| 2. Water-proof sheet | 4. Door lock assembly |

Removal

1. Door trim pad
2. Water-proof sheet
 - Refer to “Window regulator” in this Section.
3. Glass run rear channel
 - Pull out the 2 mounting screws.
4. Door lock assembly
 - Disconnect each link and remove the 3 mounting screws.

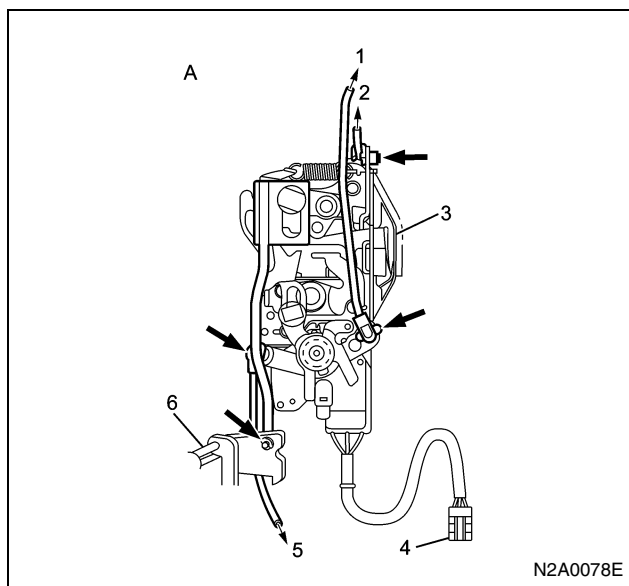
Installation

For installation, reverse the removal procedure taking the following points into consideration.

1. Tighten the door lock assembly to the specified torque.

Tighten:

- 15 N·m (1.5 kg·m/11.1 lb·ft)
- 2. After installation, check the operation.

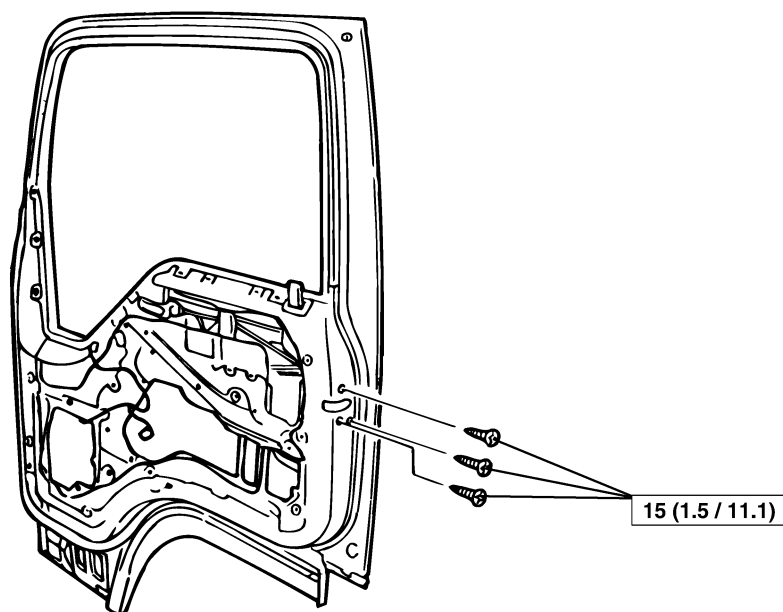


Legend

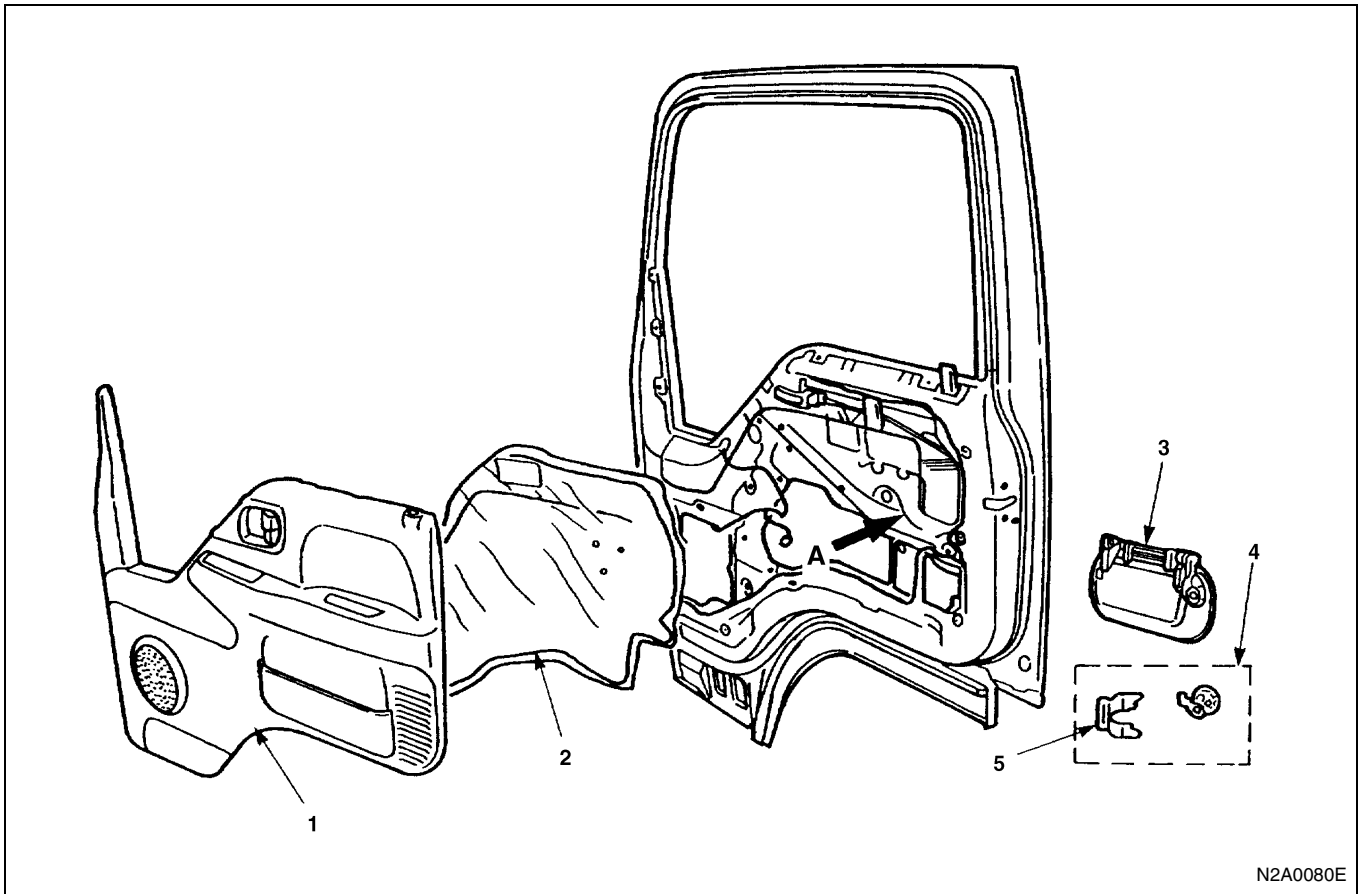
1. Door inside lock knob
2. Door inside handle
3. Door lock assembly
4. Door lock switch connector
5. Door lock cylinder
6. Door outside handle

Fixing Torque

N·m (kg·m / lb·ft)



Door Outside Handle and Door Lock Cylinder

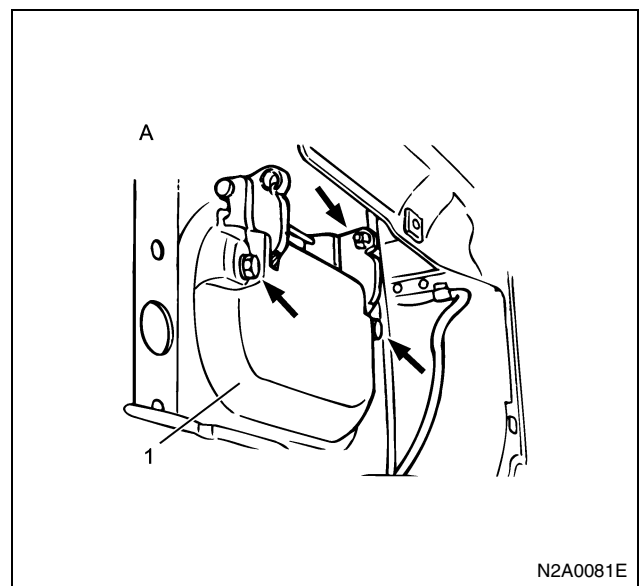


Legend

- | | |
|------------------------|-----------------------|
| 1. Door trim pad | 4. Door lock cylinder |
| 2. Water-proof sheet | 5. Clip |
| 3. Door outside handle | |

Removal

1. Door trim pad
2. Water-proof sheet
 - Refer to "Window regulator" in this Section.
3. Door outside handle (1)
 - Disconnect the link and remove the 2 mounting bolts.



4. Door lock cylinder
 - Disconnect the link and pull out the clip.

Installation

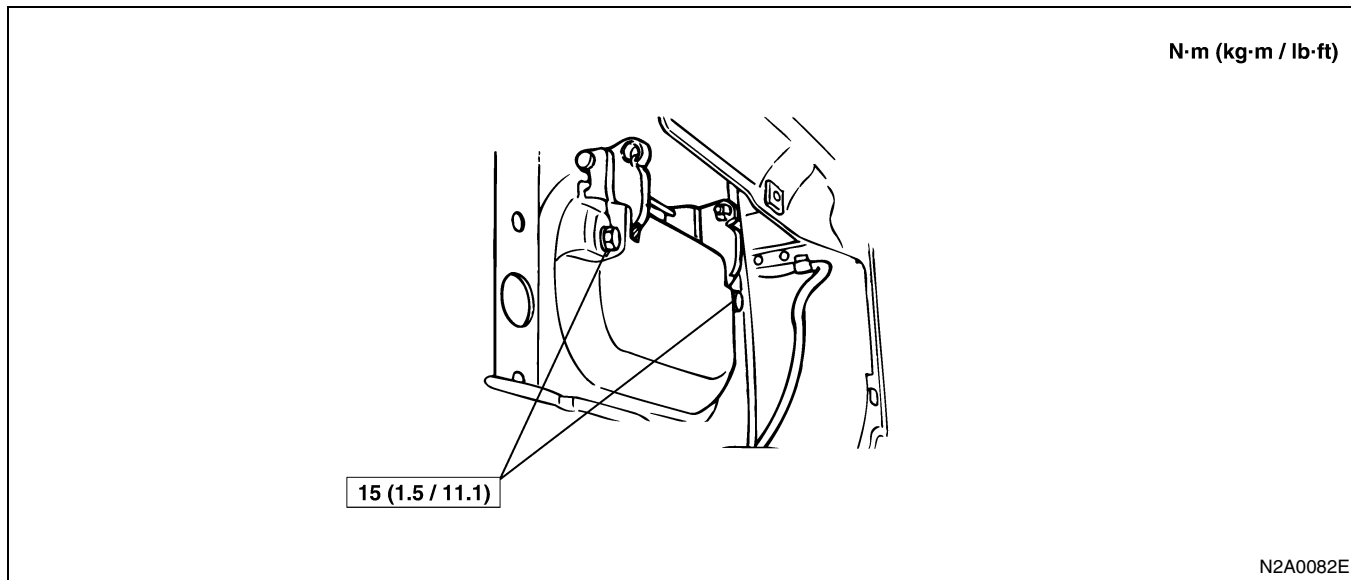
For installation, reverse the removal procedure taking the following point into consideration.

1. Tighten the door outside handle mounting bolts to the specified tightening torque.

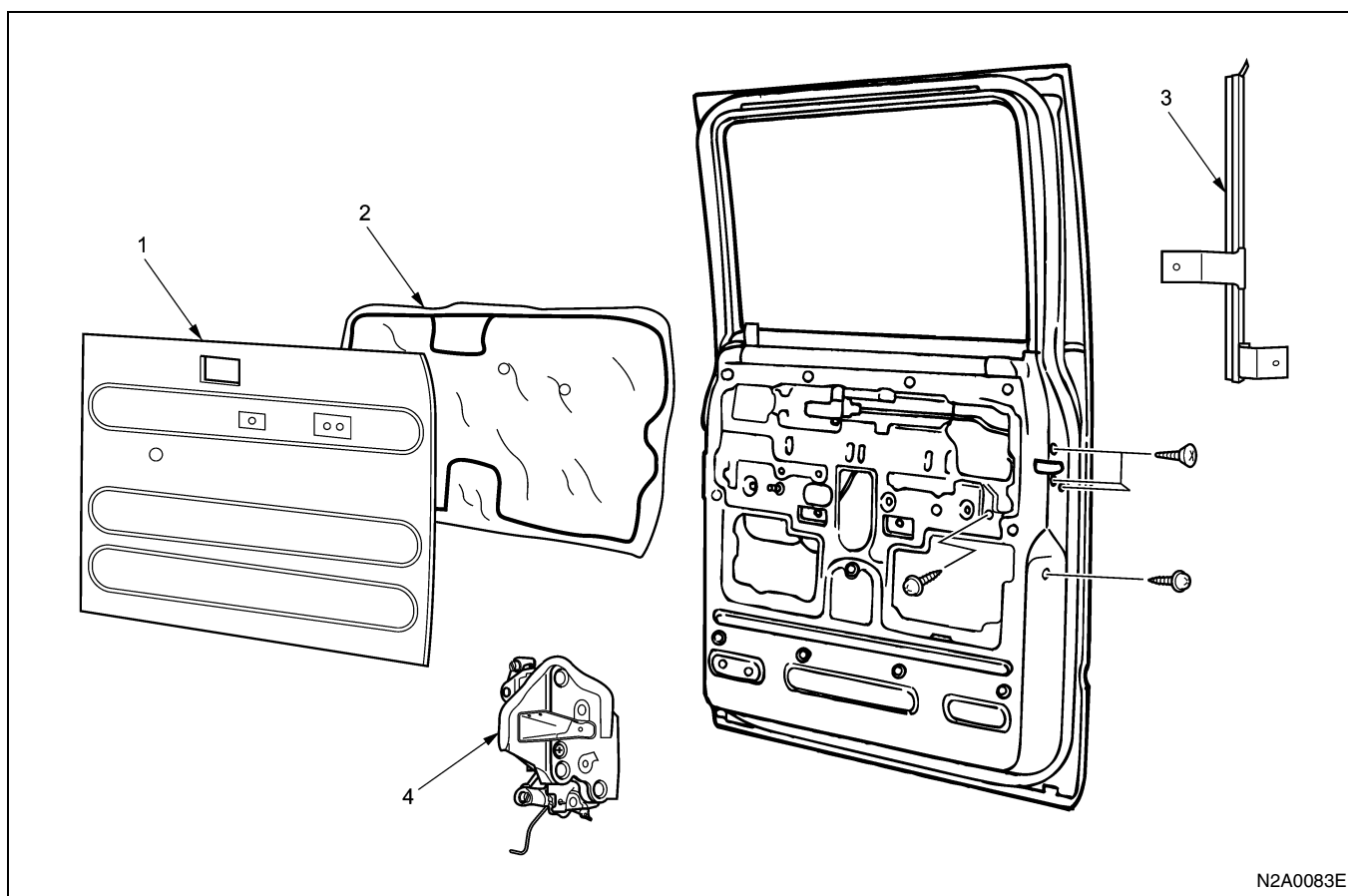
Tighten:

15 N·m (1.5 kg·m/11.1 lb·ft)

Fixing Torque



Rear Door Lock Mechanism

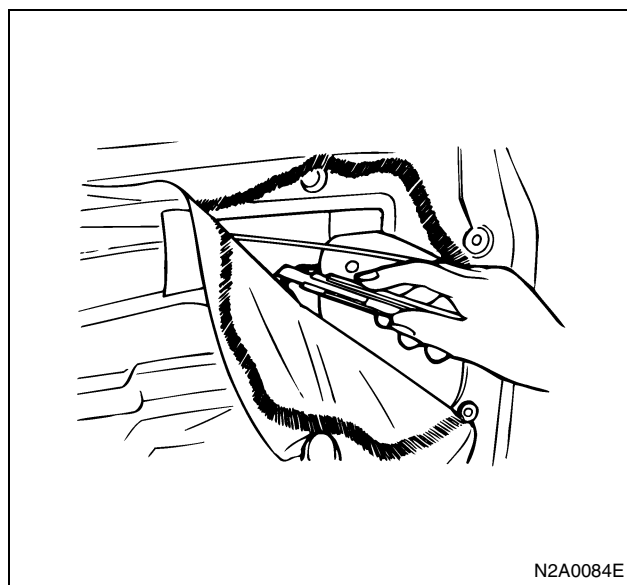


Legend

- | | |
|-------------------------|---------------------------|
| 1. Rear door trim panel | 3. Glass run rear channel |
| 2. Water-proof sheet | 4. Lock mechanism |

Removal

1. Remove the Rear door trim panel.
 - Refer to "Rear door trim panel" in this section.
2. Peel off the water-proof sheet carefully with a cutter or knife. Take care not to damage it when peeling it off and remove the water-proof sheet.



3. Remove the 2 mounting screws and pull the rear channel out and remove the glass run rear channel.
4. Remove the 3 mounting screws and disconnect the locking links and remove the lock mechanism.

Installation

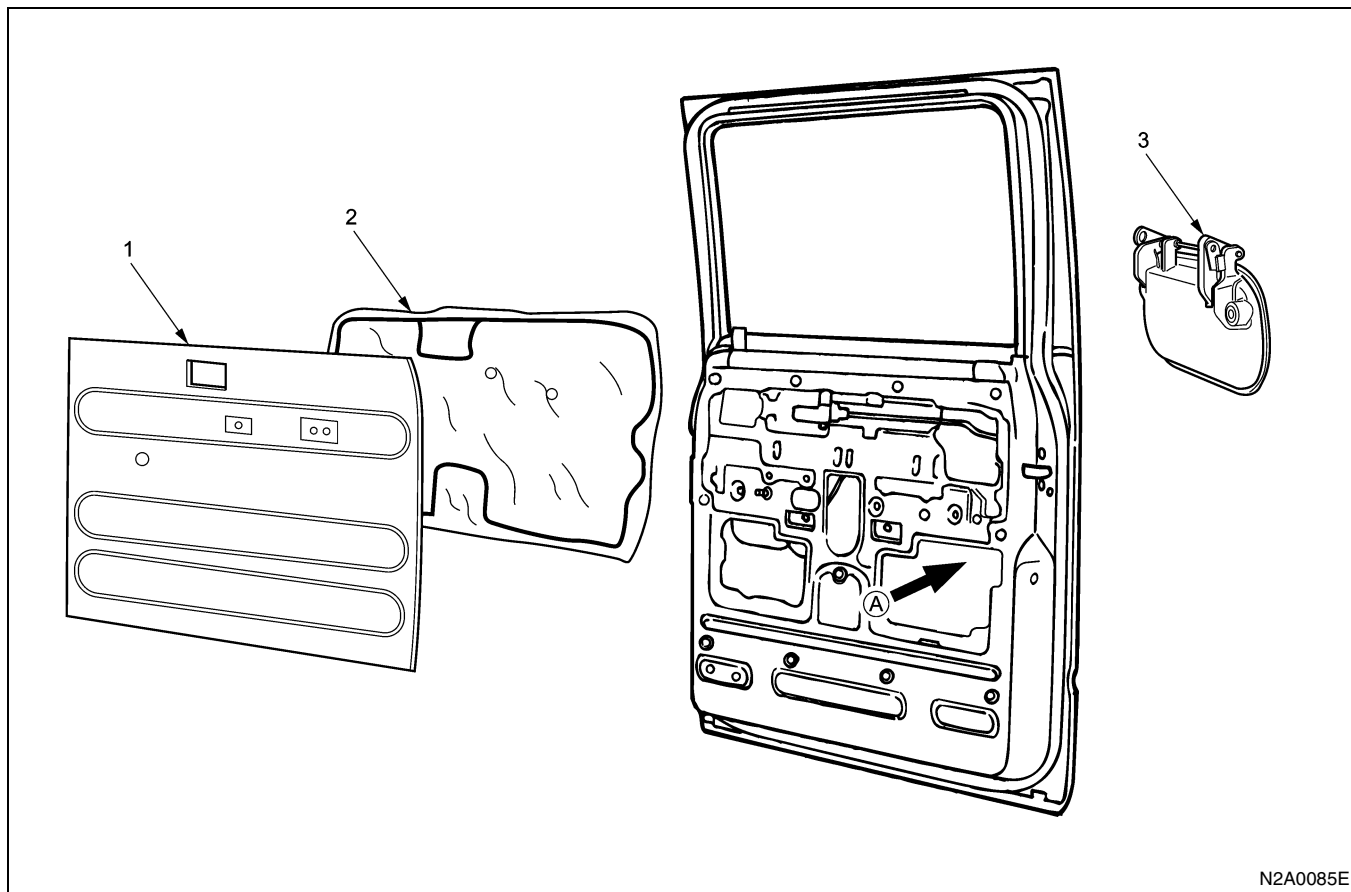
To install, follow the removal steps in the reverse order, noting the following points:

1. Tighten the mounting screw to the specified torque.

Tighten:

- Rear door lock mechanism mounting screws to 6 N·m (61.1 kg·cm/52 lb·in)
- 2. After installation, check the operation.

Rear Door Outside Door Release Handle



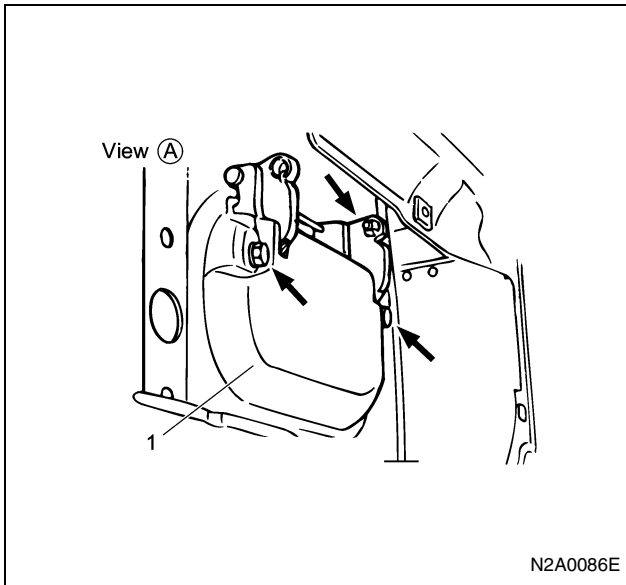
N2A0085E

Legend

1. Rear door trim panel
2. Water-proof sheet
3. Outside door release handle

Removal

1. Remove the rear door trim panel.
 - Refer to "Rear door trim panel" in this section.
2. Remove the water-proof sheet.
 - Refer to "Rear door lock mechanism" in this section.
3. Disconnect the link and remove the 2 mounting bolts and remove the Outside door release handle.



Legend

1. Outside door release handle

Installation

To install, follow the removal steps in the reverse order, noting the following point:

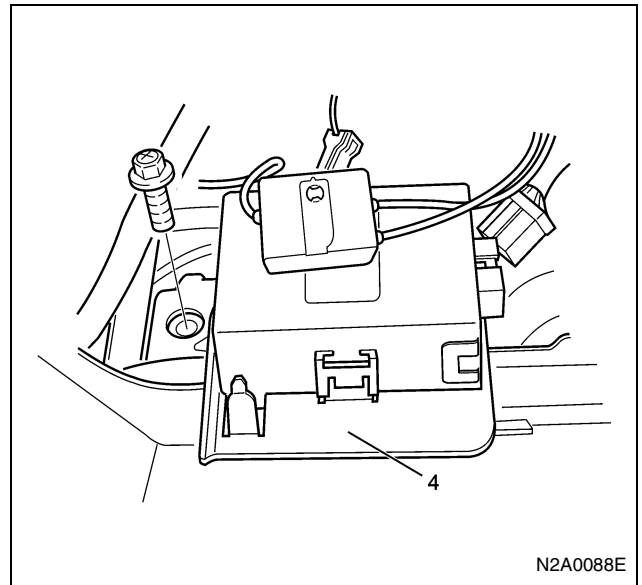
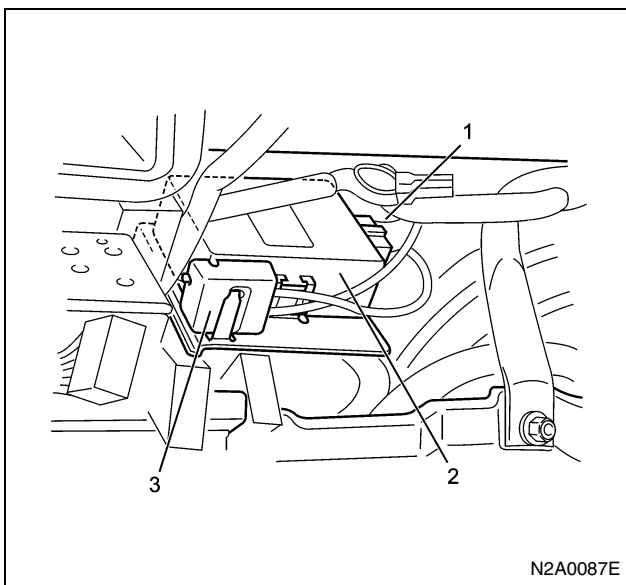
1. Tighten the mounting bolt to the specified torque.

Tighten:

- Outside door release handle mounting bolts to 13 N·m (132.6 kg·cm/113 lb·in) — 18 N·m (1.8 kg·m/13 lb·ft)

Keyless Entry Control Unit

Removal



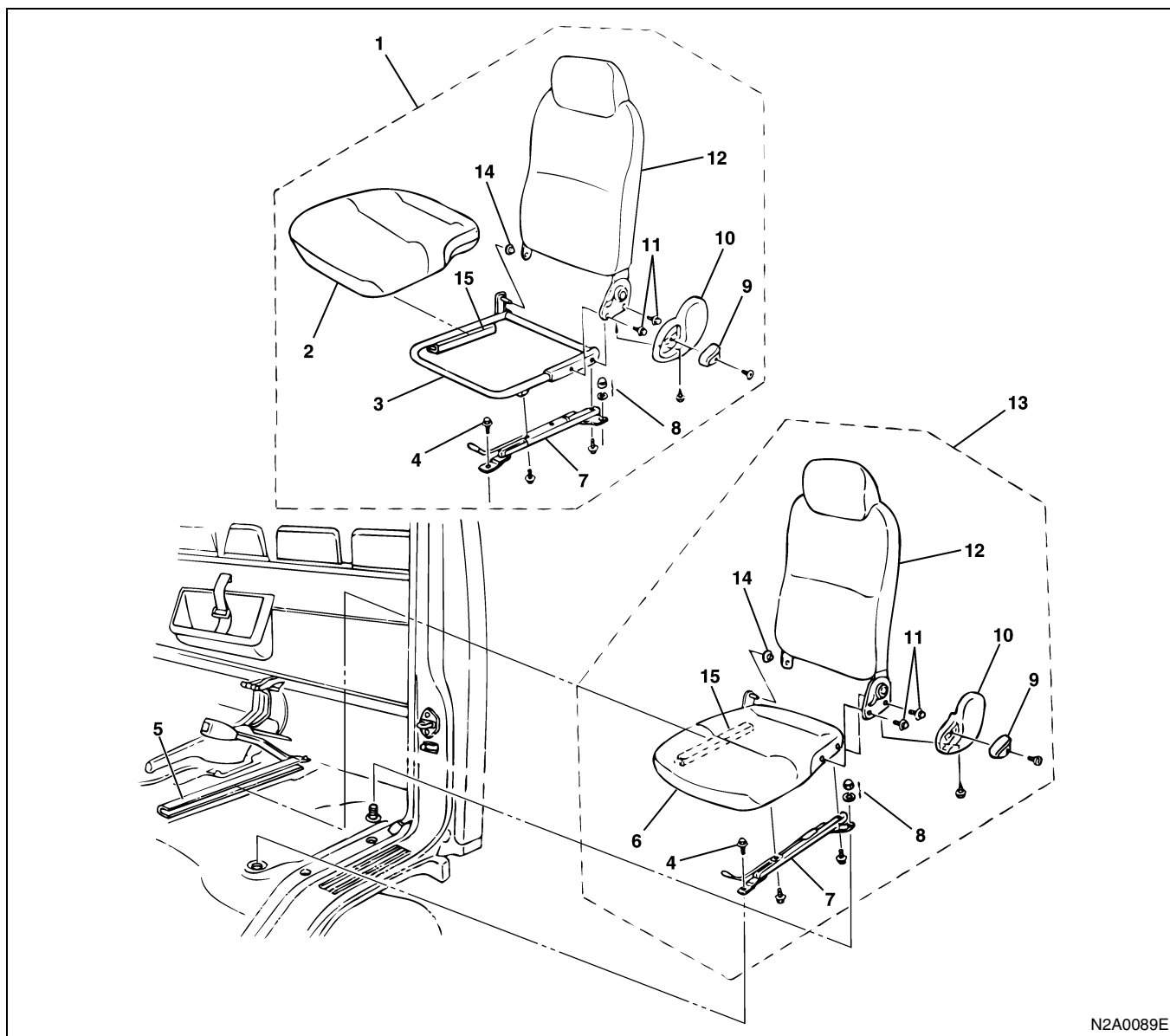
1. Meter cluster
 - Refer to "Meter Assembly" in Meter Section.
2. Tail/stop lamp malfunction warning relay
 - Release the claw to remove it together with bracket.
 - Disconnect the connector (1).
 - Remove the distributor (3) from bracket.
 - Remove the mounting screw and remove the control unit (2) together with bracket (4).
3. Register the ID code.
 - Refer to "Keyless Entry" in Wiring Diagram Section.
4. Check whether the keyless entry system operates properly.

Installation

For installation, reverse the removal procedure taking the following points into consideration.

SEAT

Driver Side (Except LHD Wide Cab Model)



N2A0089E

Legend

- | | |
|---|---|
| 1. Seat assembly (Non-tilt cab model) | 9. Reclining lever |
| 2. Seat cushion assembly (Removable type) | 10. Reclining cover |
| 3. Seat cushion frame | 11. Reclining adjuster assembly mounting bolt |
| 4. Seat bolt | 12. Seat back assembly |
| 5. Seat rail (Cab side) | 13. Seat assembly (Tilt-cab model) |
| 6. Seat cushion assembly | 14. Bushing |
| 7. Seat adjuster assembly | 15. Seat rail (Seat frame side) |
| 8. Cap nut | |

Removal

1. Cap nut
 - Slide the seat forward and remove the cap nut.
2. Seat bolt
 - Slide the seat backward and remove the seat bolt.
3. Seat assembly
 - Remove the one screw.
4. Reclining lever

5. Reclining cover
 - Remove the one screw.
6. Reclining adjuster assembly
 - Remove the fixing bolt.
7. Seat cushion assembly (Non-tilt cab model only)
8. Seat back assembly
9. Seat adjuster
 - Remove the 2 bolts.

Installation

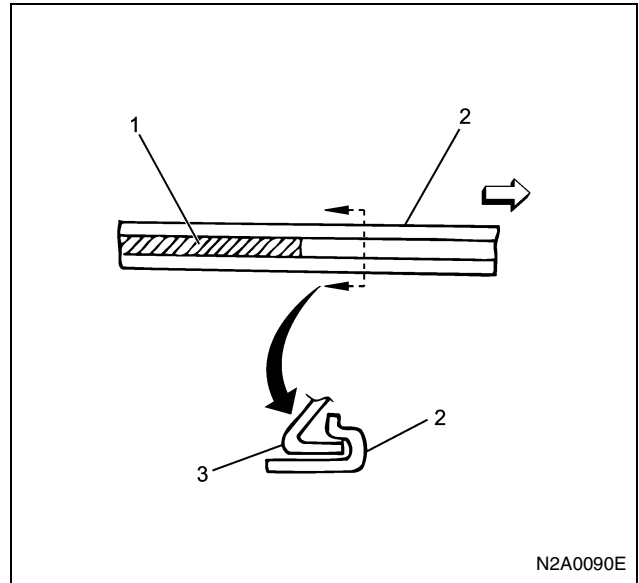
For installation, reverse the removal procedure taking the following point into consideration.

1. Before installing the seat assembly, apply grease (1) to the backward half of the cab-side seat rail (2) and set the claw (3) on the seat frame side.
- After that, tighten the cap nut (with lock), plain washer and seat bolt (with Loctite) securely.

Tighten:

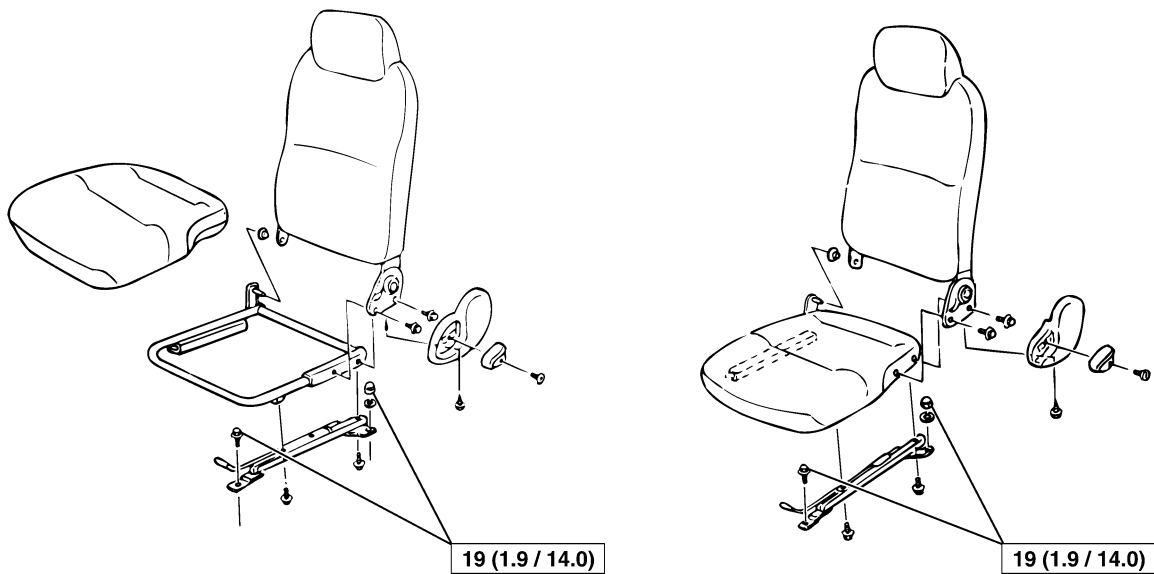
19 N·m (1.9 kg·m/14.0 lb·ft)

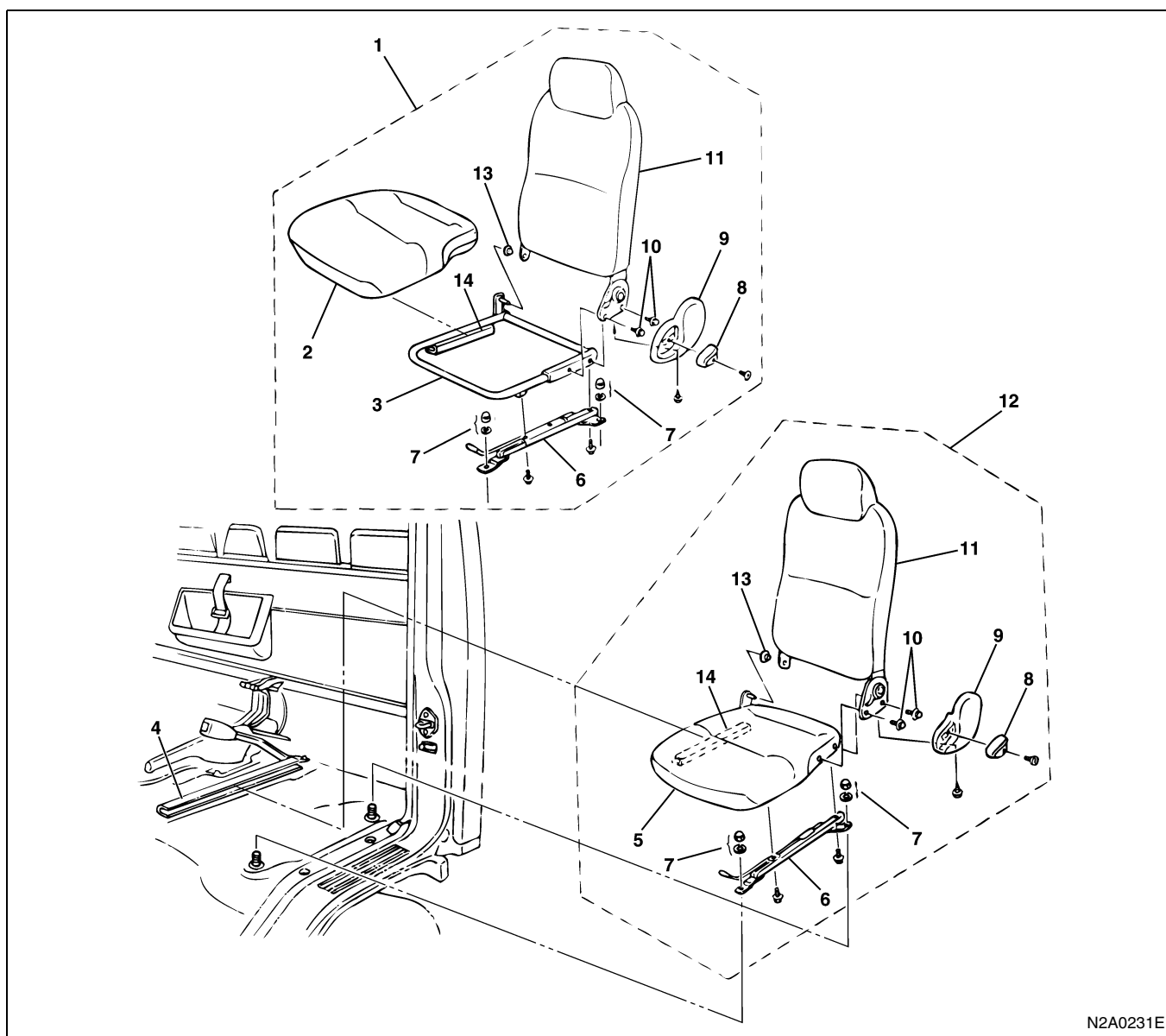
Grease: MITSUBISHI MULTI-PURPOSE No.2 or equivalent



Fixing Torque

N·m (kg·m / lb·ft)



Driver Side (LHD Wide Cab Model)

N2A0231E

Legend

- | | |
|---|---|
| 1. Seat assembly (Non-tilt cab model) | 8. Reclining lever |
| 2. Seat cushion assembly (Removable type) | 9. Reclining cover |
| 3. Seat cushion frame | 10. Reclining adjuster assembly mounting bolt |
| 4. Seat rail (Cab side) | 11. Seat back assembly |
| 5. Seat cushion assembly | 12. Seat assembly (Tilt-cab model) |
| 6. Seat adjuster assembly | 13. Bushing |
| 7. Cap nut and washer | 14. Seat rail (Seat frame side) |

Removal

1. Cap nut
 - Slide the seat forward and remove the cap nut of the rear side.
 - Slide the seat backward and remove the cap nut of the front side.
2. Seat assembly
 3. Reclining lever
 - Remove the one screw.
 4. Reclining cover
 - Remove the one screw.
 5. Reclining adjuster assembly
 - Remove the fixing bolt.
 6. Seat cushion assembly (Non-tilt cab model only)
 7. Seat back assembly

8. Seat adjuster
- Remove the 2 bolts.

Installation

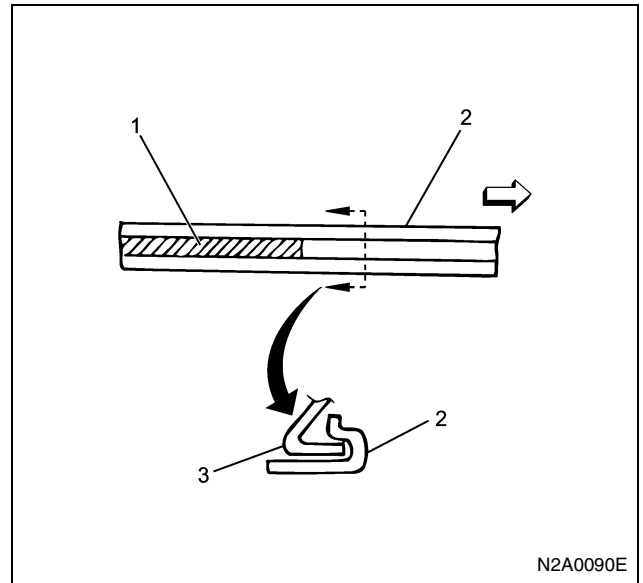
For installation, reverse the removal procedure taking the following point into consideration.

1. Before installing the seat assembly, apply grease (1) to the backward half of the cab-side seat rail (2) and set the claw (3) on the seat frame side (3). After that, tighten the cap nuts (with lock) and plain washers securely.

Tighten:

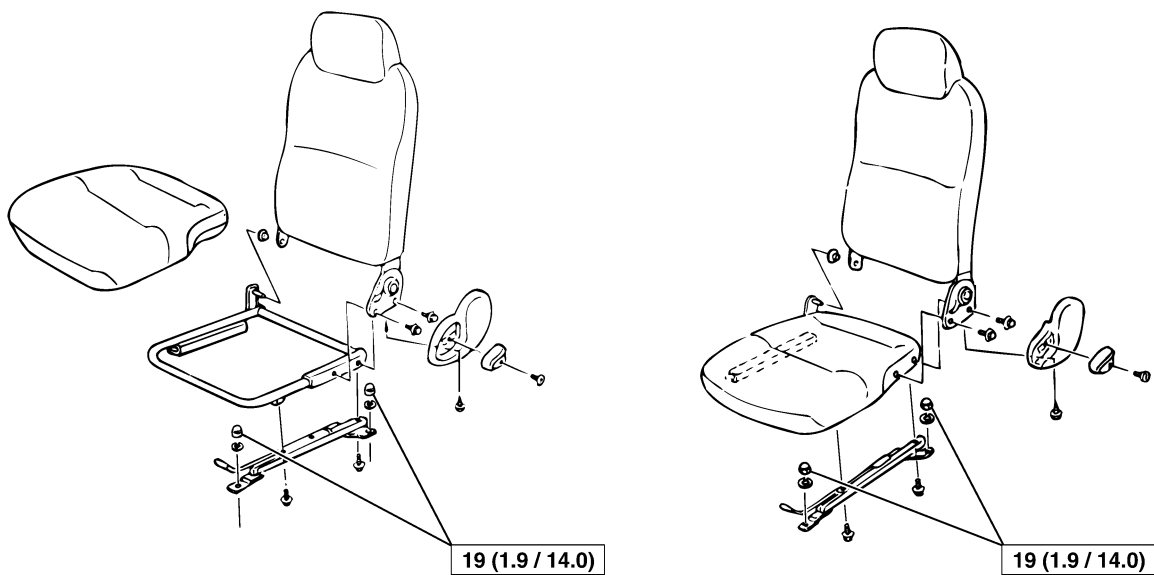
19 N·m (1.9 kg·m/14.0 lb·ft)

Grease: MITSUBISHI MULTI-PURPOSE No.2 or equivalent

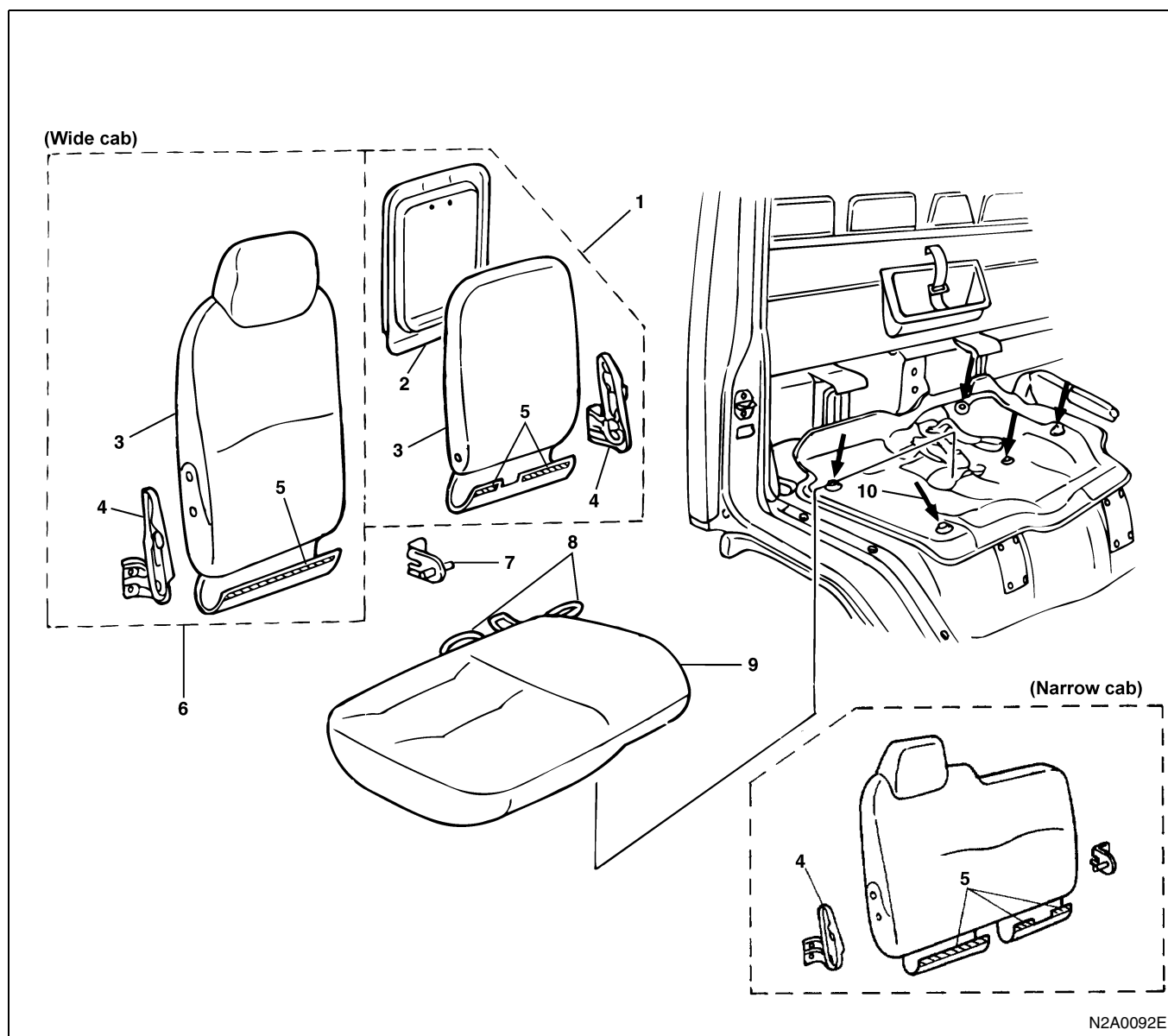


Fixing Torque

N·m (kg·m / lb·ft)



Center and Passenger Side

**Legend**

- | | |
|--|---------------------------------|
| 1. Center seat back assembly (if equipped) | 6. Passenger seat back assembly |
| 2. Seat back tray | 7. Hinge bracket |
| 3. Seat back | 8. Seat belt band |
| 4. Hinge assembly | 9. Seat cushion assembly |
| 5. Magic fastener | 10. Clip positions (five) |

Removal

1. Seat cushion assembly
 - Raise the cushion and remove the clips and peel off the magic fasteners at 5 positions and pull out the seat belt from the band.
2. Center seat back assembly (Wide cab model)
 - Remove the 2 hinge fixing bolts.
 - Remove the 2 fixing bolts and remove the hinge assembly.
3. Passenger seat back assembly
 - Remove the 2 hinge fixing bolts.
 - Remove the 2 fixing bolts and remove the hinge assembly.
4. Hinge bracket
 - Remove 2 fixing bolts.
- Remove the fixing screw and remove the seat back tray.

Installation

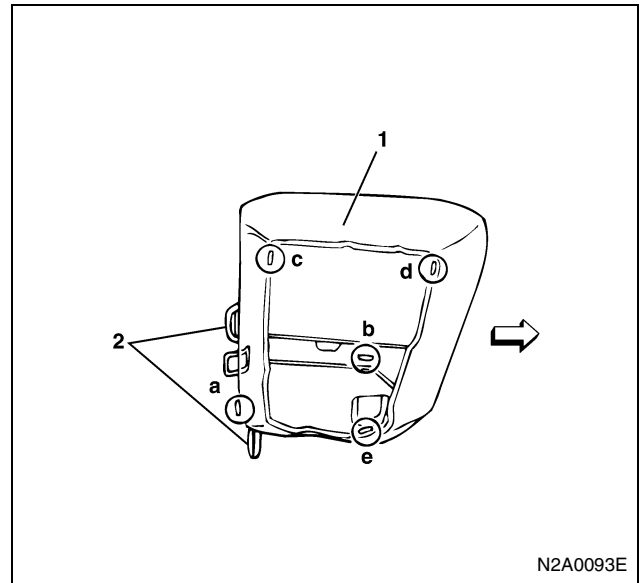
For installation, reverse the removal procedure taking the following point into consideration.

1. Tighten each hinge of the seat back with the specified bolts (with Loctite) securely.

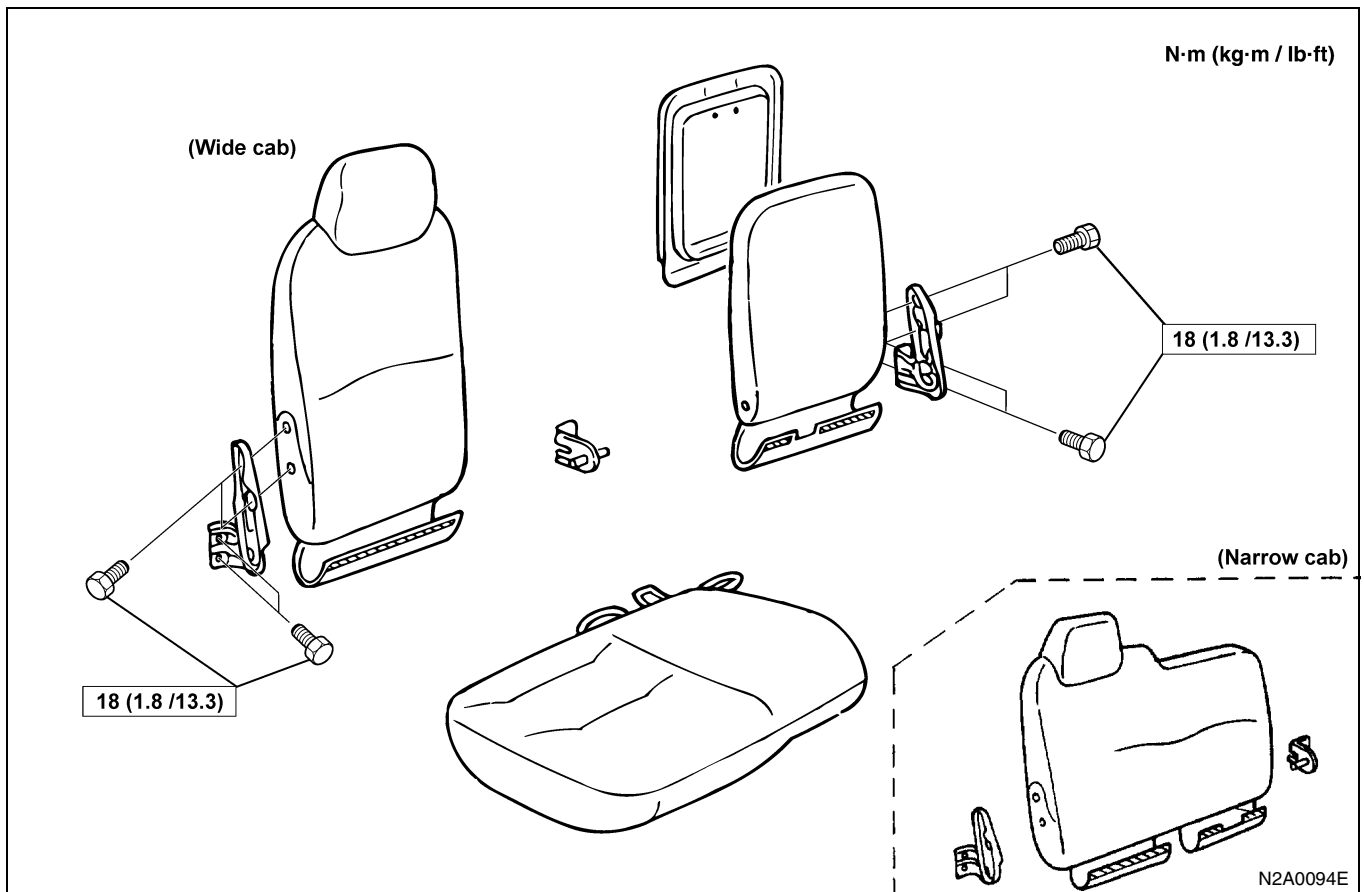
Tighten:

18 N·m (1.8 kg·m/13.3 lb·ft)

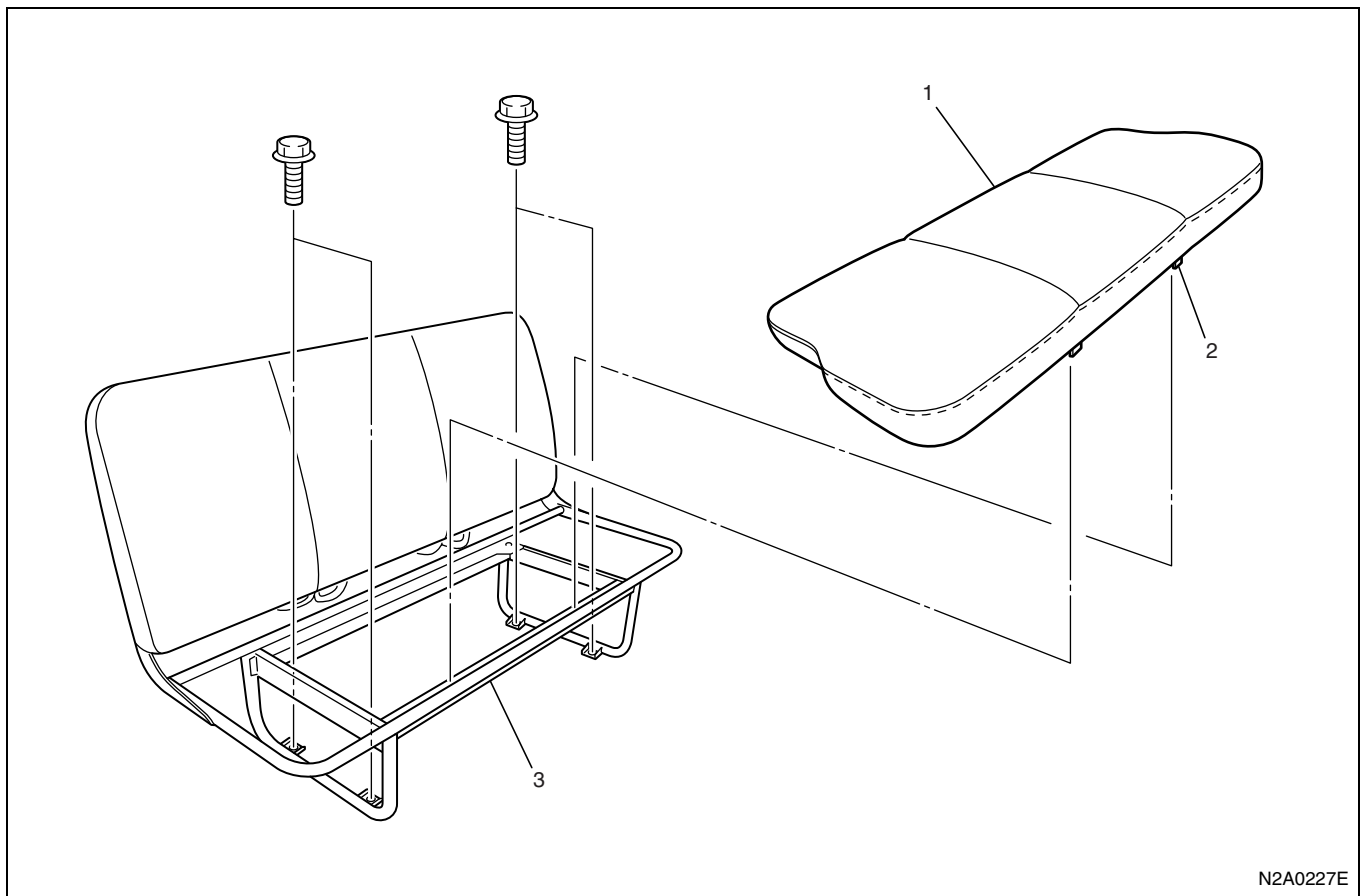
2. Check the direction of seat cushion fixing clip and set its mate clip on the engine cover.
3. Pass the seat belt through the seat cushion band (2).
4. Install the seat cushion (1) in the following order:
a → b → c → d → e



Fixing Torque



Rear Seat (NKR)



Legend

- | | |
|----------------------|--------------------|
| 1. Rear Seat Cushion | 3. Rear Seat Frame |
| 2. Clip | |

Removal

1. Pull the seat cushion at the three clip positions from the seat frame and remove the rear seat cushion.
2. Remove the 4 bolts and remove the rear seat frame.

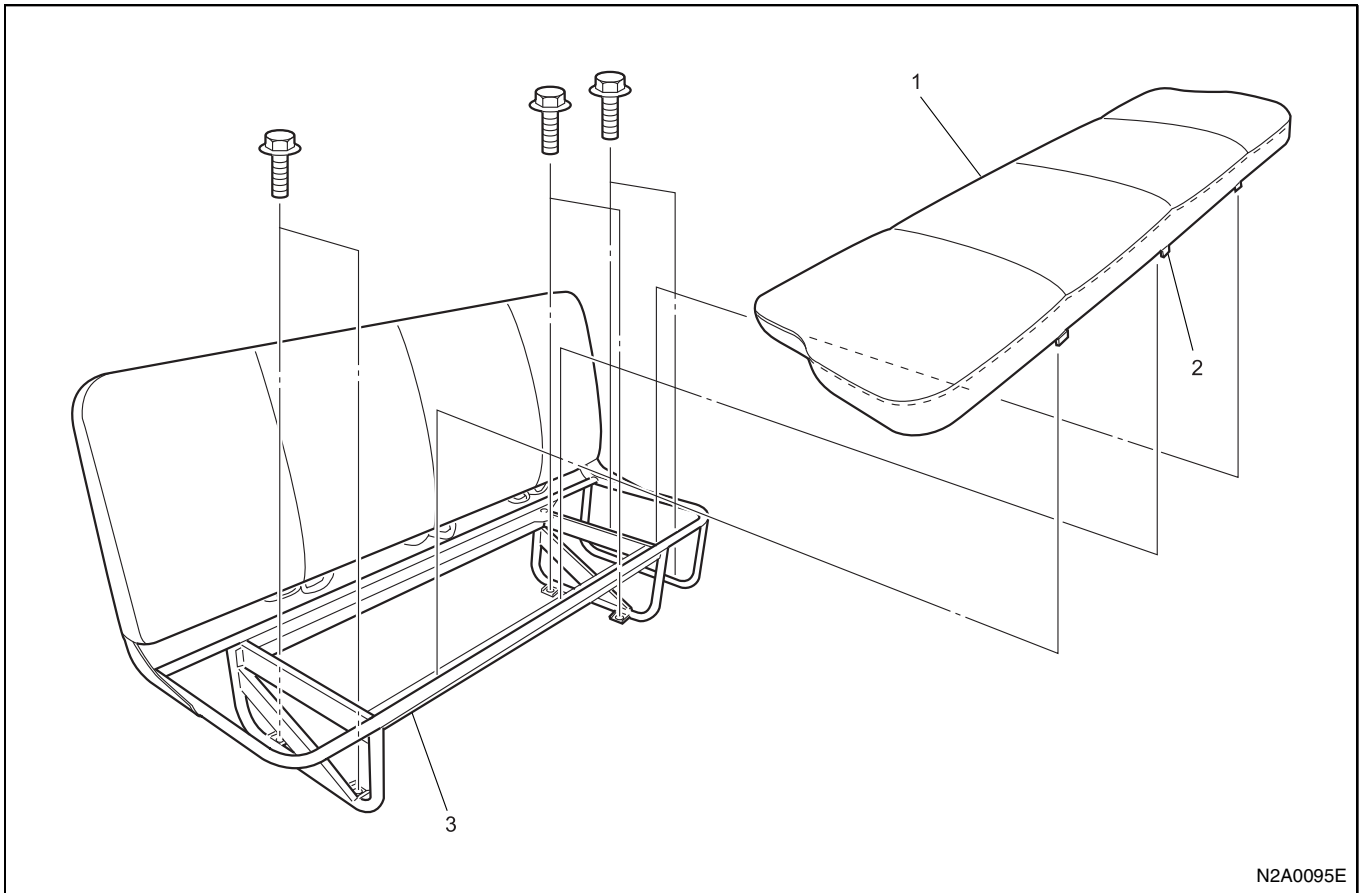
Installation

To install, follow removal steps in the reverse order, noting the following point.

1. Tighten the rear seat frame mounting bolts to the specified torque.

Tighten:

Rear seat frame bolts to 13 N·m (1.3 kg·m/9.6 lb·ft)

Rear Seat (NPR, NQR)**Legend**

- 1. Rear Seat Cushion
- 2. Clip

3. Rear Seat Frame

Removal

1. Pull the seat cushion at the three clip positions from the seat frame and remove the rear seat cushion.
2. Remove the 6 bolts and remove the rear seat frame.

Installation

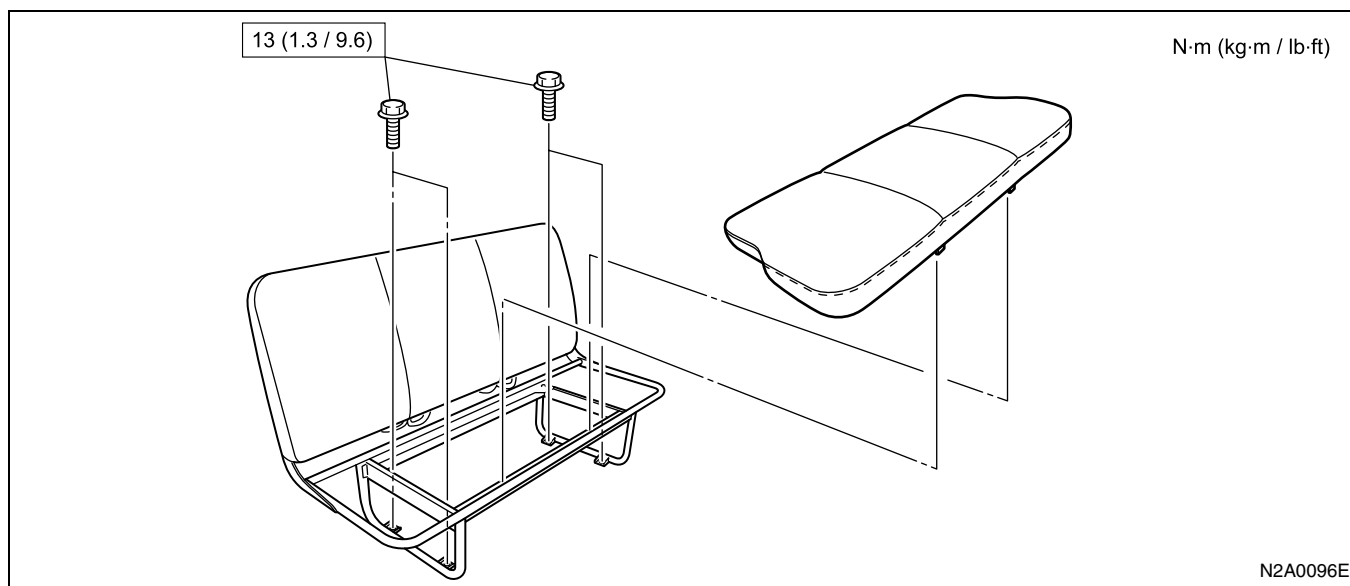
To install, follow removal steps in the reverse order, noting the following point.

1. Tighten the rear seat frame mounting bolts to the specified torque.

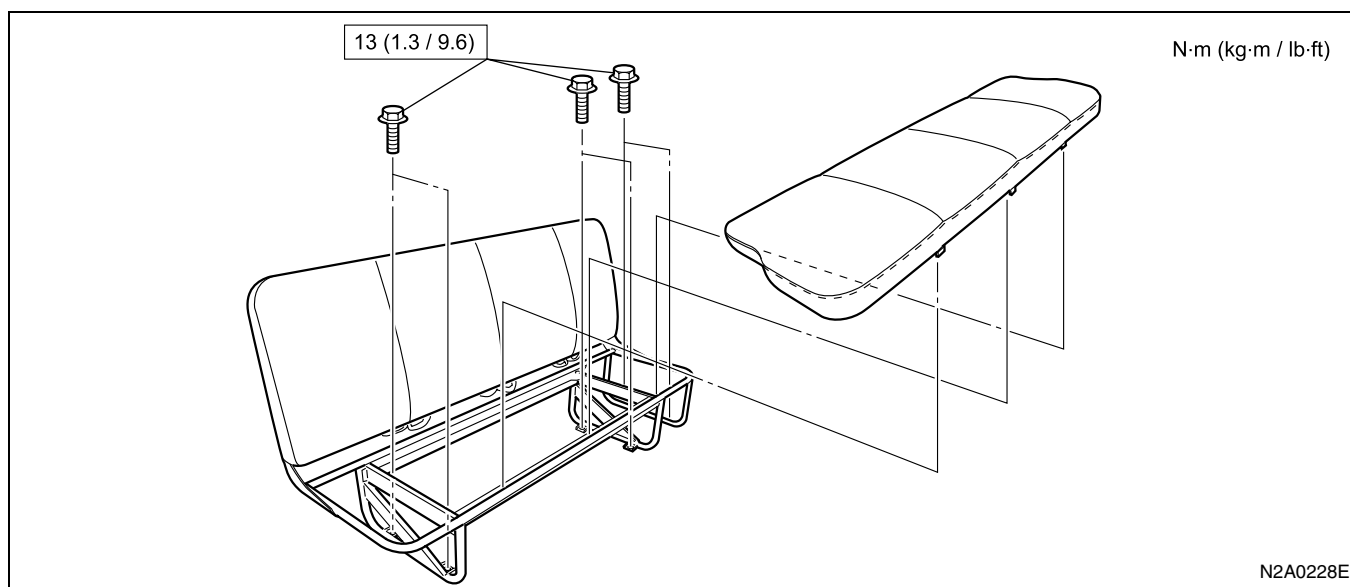
Tighten:

Rear seat frame bolts to 13 N·m (1.3 kg·m/9.6 lb·ft)

Fixing Torque
NKR



NPR, NQR



INTERIOR TRIM

Front Pillar Trim Cover

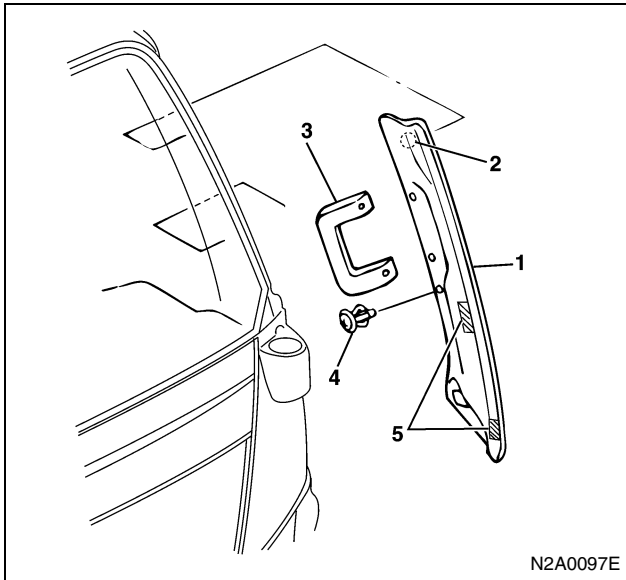
Removal

1. Front grip (3)
 - Remove the 2 mounting screws.

Caution:

These screws are coated with Loctite. When removing them, take care not to damage their heads.

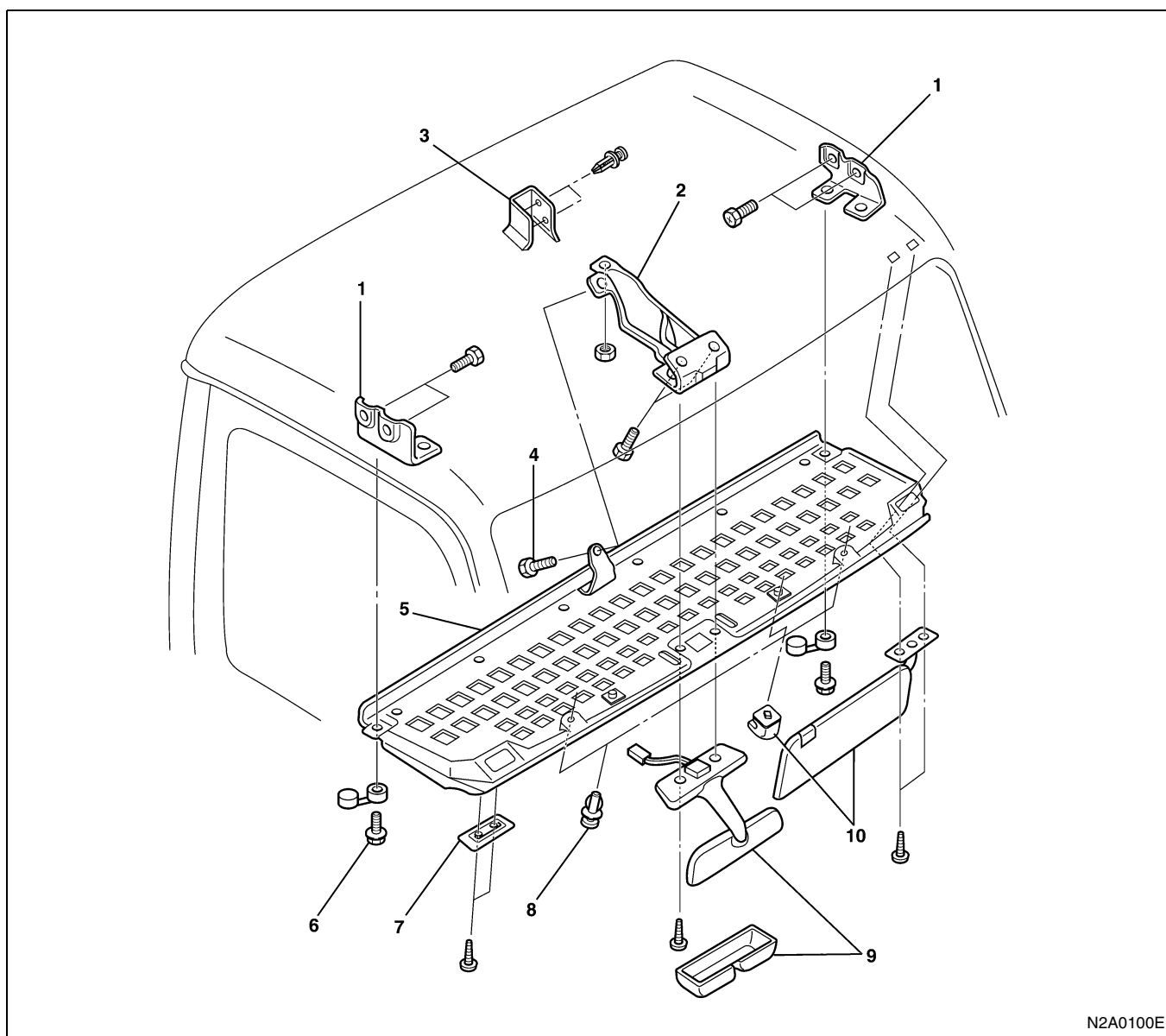
2. Front pillar trim cover (1)
 - Remove the one clip at the position (2) and peel off the two-sided adhesive tape at the position (5) shown in the figure.
For the high cab or wide cab, remove the clip (4).



Installation

For installation, reverse the removal procedure taking the following point into consideration.

- Use a new two-sided adhesive tape and stick it securely by press at installation.

Header Shelf

N2A0100E

Legend

- | | |
|---|----------------------|
| 1. Side bracket | 6. Screw |
| 2. Center bracket | 7. Grommet |
| 3. Bracket cover (without roof ventilation) | 8. Clip |
| 4. Screw | 9. Room lamp/mirror |
| 5. Header shelf assembly | 10. Sun visor/holder |

Removal

- | | |
|---|---|
| 1. Battery ground cable | • Slide the left-hand 1 screws and right-hand 1 screws and the roof ventilator cover backward, then pull them out. Remove the one screw in the center of the rear side. |
| 2. Room lamp/mirror | |
| • Remove the lens and remove 2 mounting screws and connector. | |
| 3. Sun visor/grommet | 5. Header shelf assembly |
| • Remove the 2 mounting screws. For a custom vehicle, a sun visor is mounted on each of the left and right sides. | 6. Center bracket |
| | • Remove the 2 mounting screws and 1 nut. (With roof ventilation) |
| | • Remove the 2 clips. (Without roof ventilation) |
| 4. Mounting screw | 7. Side bracket |

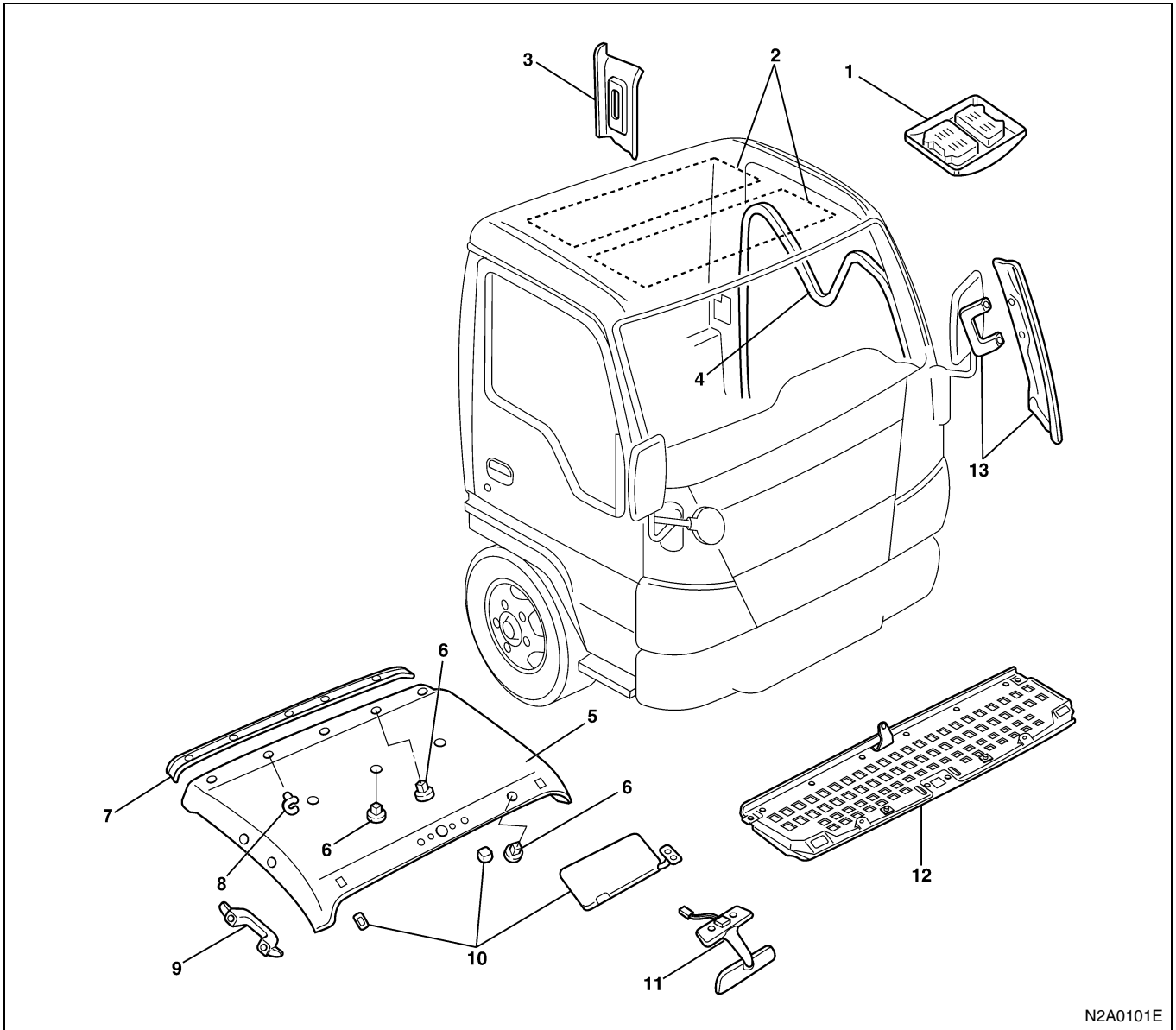
- Remove the 2 mounting screws each.

Installation

For installation, reverse the removal procedure.

Head Lining (Single Cab Model)

Component



N2A0101E

Legend

- | | |
|--|--|
| 1. Roof ventilator grille (High cab, wide cab; Option equipment) | 8. Coat hanger |
| 2. Insulator | 9. Assist grip |
| 3. Rear pillar upper trim cover (Option equipment) | 10. Sun visor/holder/grommet (Standard cab) |
| 4. Body side finisher (Option equipment) | 11. Room lamp/mirror (Standard cab) |
| 5. Head lining (Option equipment) | 12. Header shelf (High cab, wide cab except limited model) |
| 6. Clip | 13. Front grip/front pillar trim cover |
| 7. Rear retainer/clip (High cab, wide cab option equipment) | |

Removal

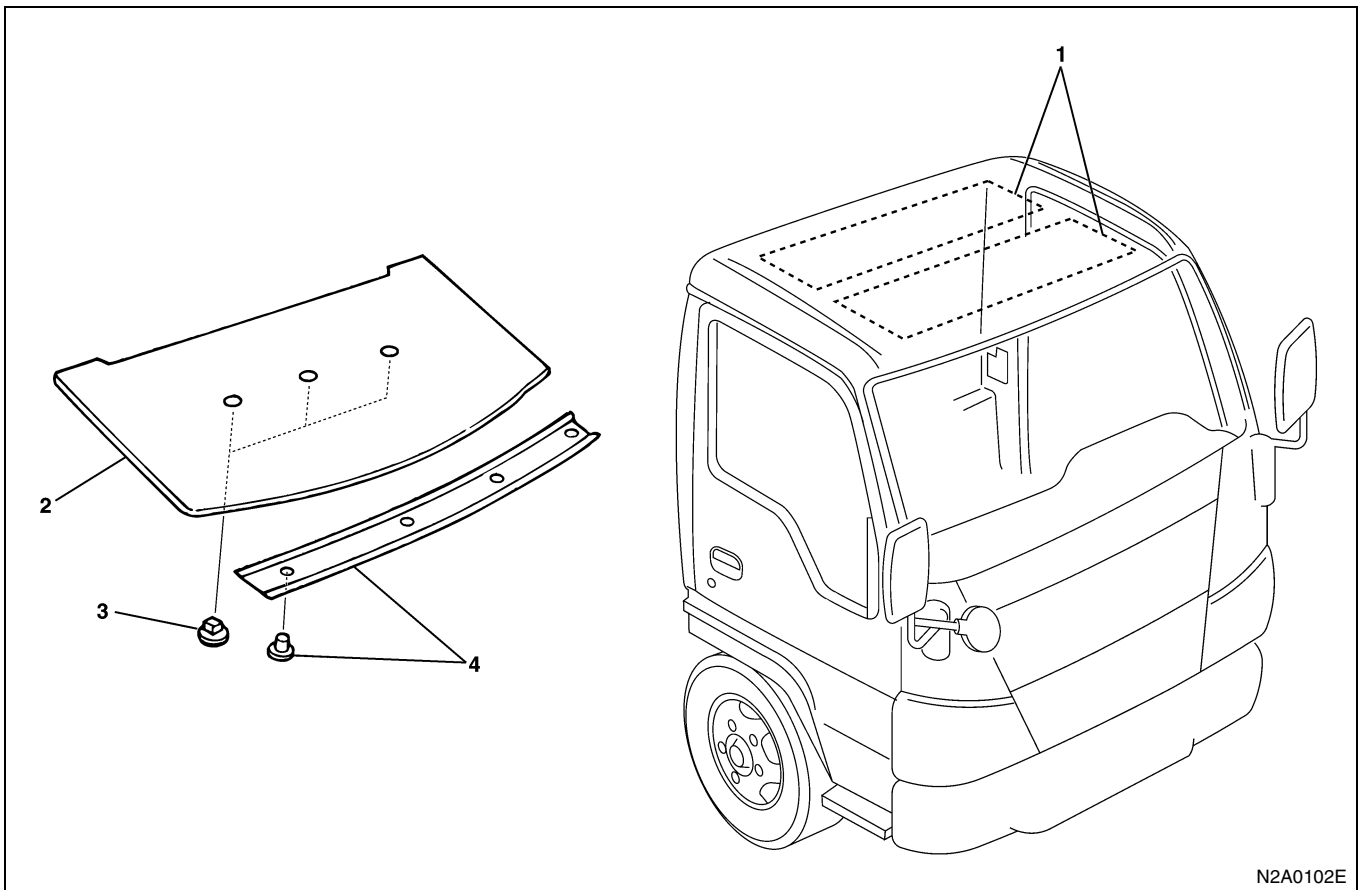
1. Disconnect the battery ground cable.
2. Sun visor/holder/grommet (Standard cab)
 - Remove the 2 mounting screws to remove the sun visor.
 - Pull the sun visor holder while rotating it 45°.
 - Pry the sun visor grommet with a bladed screwdriver.
3. Room lamp/mirror (Standard cab)
 - Pry the room lamp lens with a bladed screwdriver, and remove the 2 mounting screws of room mirror to disconnect the connector.
4. Header shelf (High cab, wide cab except limited model)
 - Refer to "Header Shelf" in this Section.
5. Assist grip
 - Open the covers at 2 positions and remove the mounting screws.
6. Coat hanger
 - Turn it 45° for removal.
7. Fluorescent (Option equipment)
 - Refer to "Fluorescent Working with Room Lamp" in Repair Manual for electrical equipment.
8. Roof ventilator grille (High cab/wide cab; option equipment)
 - Refer to "Roof Ventilator" in this Section.
9. Front grip/front pillar trim cover
 - Refer to "Front Pillar Trim Cover" in this Section.
10. Rear upper trim cover
 - Refer to "Rear Side Trim Cover" in this Section.
11. Clip
 - Standard cab; Top: 3 positions, Rear: 2 positions
 - High cab, wide cab; Top: 3 positions, Front: 4 positions (High cab), 5 positions (Wide cab), Rear 3 positions
12. Rear retainer/clip (High cab, wide cab)
 - Remove the clip to remove the retainer.
13. Body side finisher (upper)
 - Pull only the upper side from panel flange.
14. Head lining
15. Insulator

Installation

For installation, reverse the removal procedure.

Head Lining (B Pack Model)

Component



Legend

- | | |
|----------------|------------------|
| 1. Insulator | 3. Clip |
| 2. Head lining | 4. Retainer/clip |

Removal

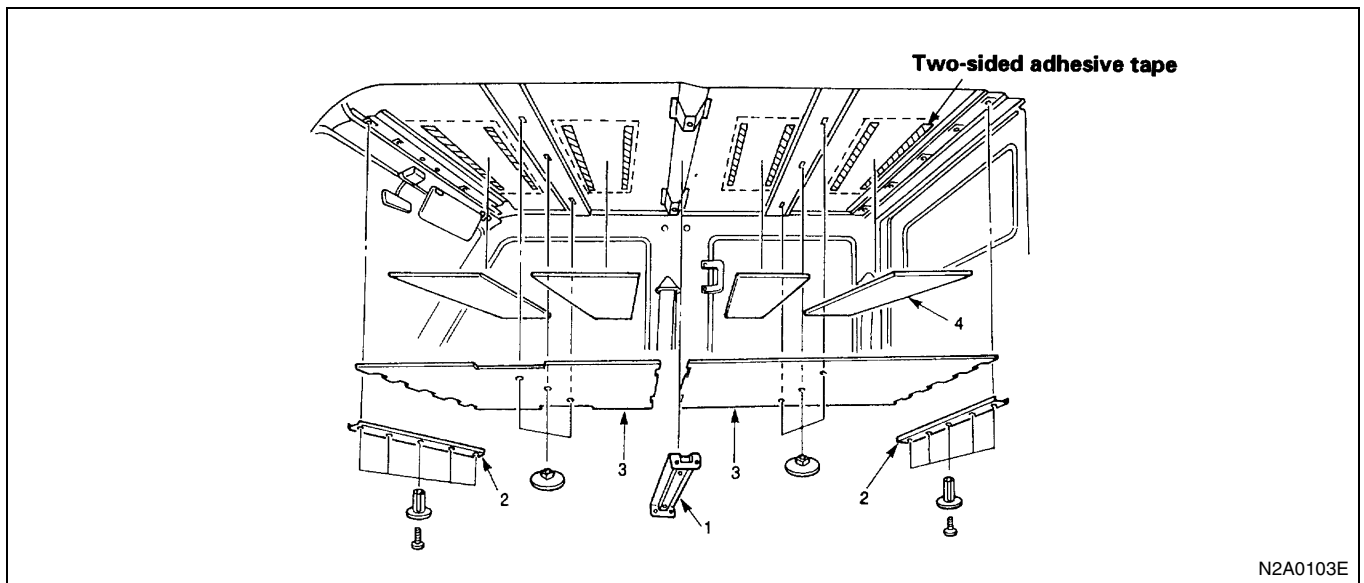
1. Retainer/clip
 - Remove the clip to remove the retainer.
2. Clip

3. Head lining

4. Insulator

Installation

For installation, reverse the removal procedure.

Head Lining (Crew Cab Model)**Legend**

- | | |
|-----------------------|----------------|
| 1. Roof reinforcement | 3. Head lining |
| 2. Retainer | 4. Insulator |

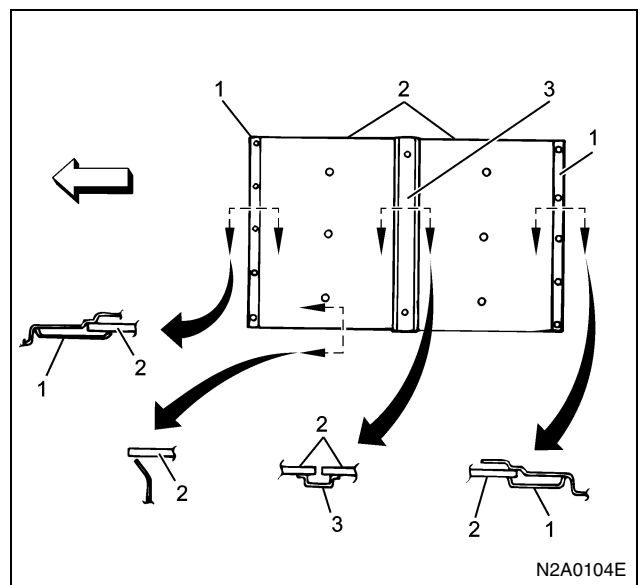
Removal

1. Roof reinforcement
 - Remove the 3 left fixing bolts and 3 right fixing bolts.
2. Retainer
 - Remove the 5 front clips and 5 back clips.
3. Head lining
 - Remove the 5 front clips and 5 back clips.
4. Insulator

Installation

For installation, reverse the removal procedure.

1. When installing the insulator, be sure to use a new two-sided adhesive tape.
2. Install the head lining (2) by nipping it with the front and back retainers (1) and the central reinforcement (3).

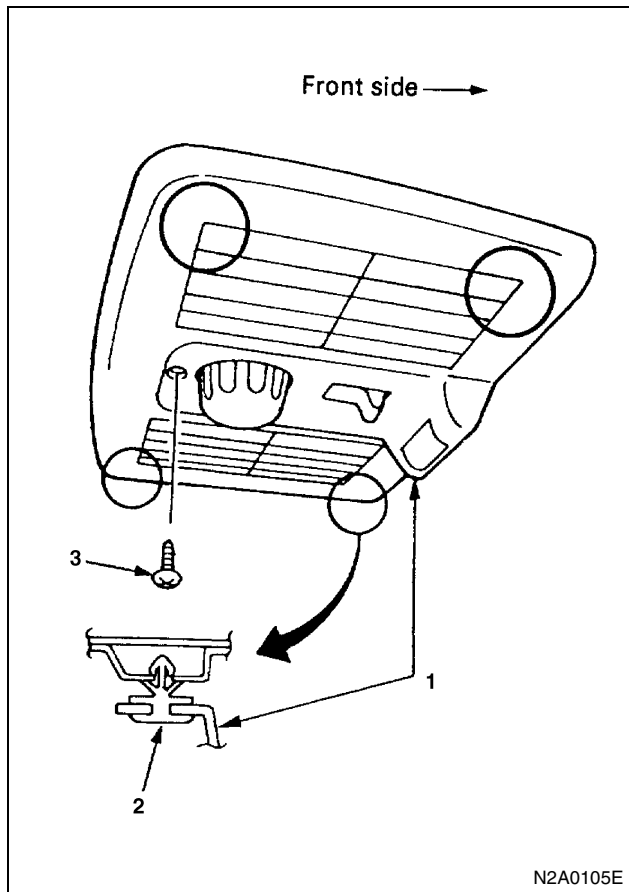


Roof Ventilator

Removal

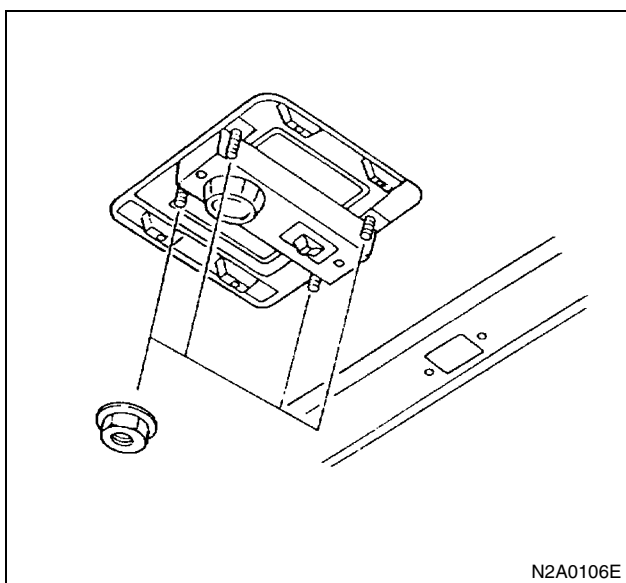
1. Roof ventilator grille (1)

- Remove the one mounting screw (3) and pull out the clips (2) at 4 positions.



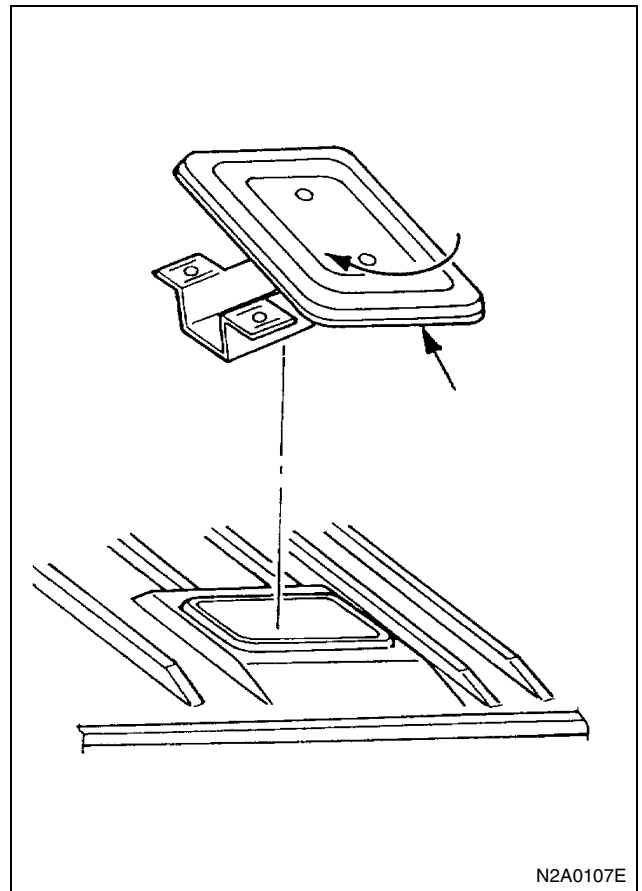
2. Roof ventilator mounting nut

- Remove the nuts at 4 positions.



3. Roof ventilator assembly

- Align the main unit with the inlet side and remove it from the stud. Turn it 90° and pull it out.



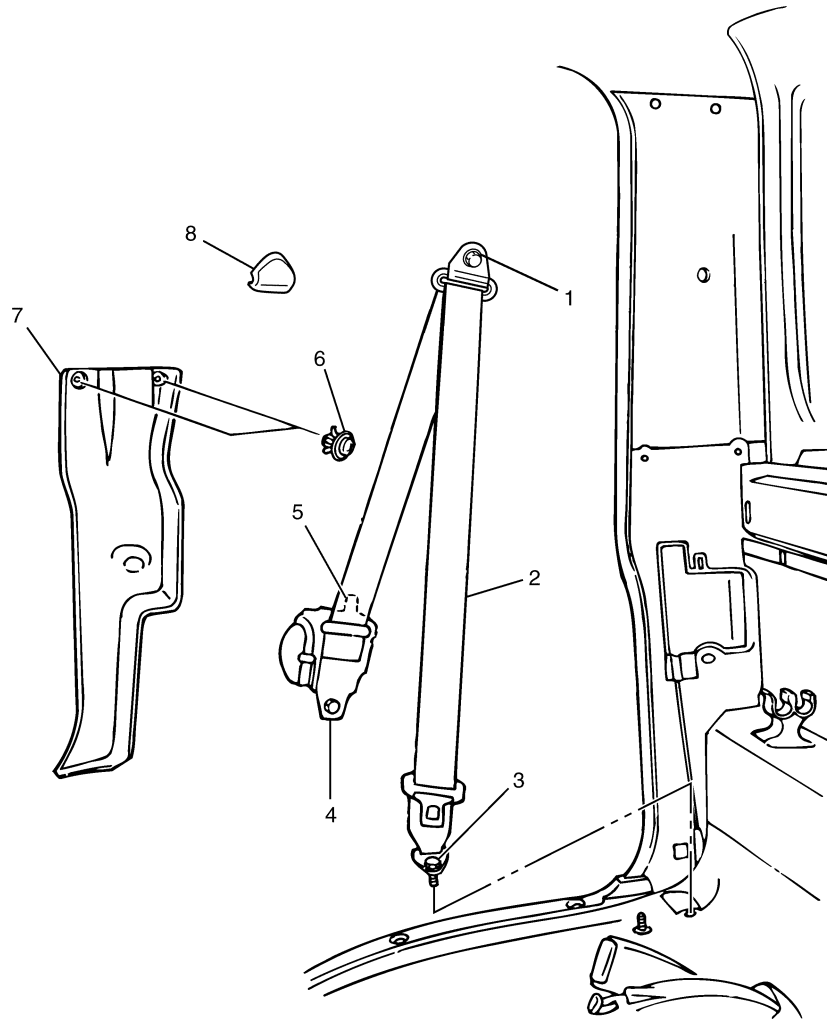
Installation

For installation, reverse the removal procedure.

SEAT BELT

Tongue Side Seat Belt (Single Cab Model)

Component



N2A0237E

Legend

- | | |
|-----------------------------------|---------------------------------|
| 1. Seat belt upper anchor bolt | 5. Bracket |
| 2. Tongue side seat belt assembly | 6. Clip |
| 3. Seat belt lower anchor bolt | 7. Rear pillar lower trim cover |
| 4. Retractor bolt | 8. Through anchor cover |

Removal

1. Seat belt lower anchor bolt
2. Rear pillar lower trim cover
3. Through anchor cover
4. Seat belt upper anchor bolt
5. Retractor fixing bolt
 - Remove the bolt and pull out the upper bracket of the retractor from the panel.

Installation

For installation, reverse the removal procedure taking the following points into consideration.

1. Tighten the seat belt upper anchor bolt to the specified torque.

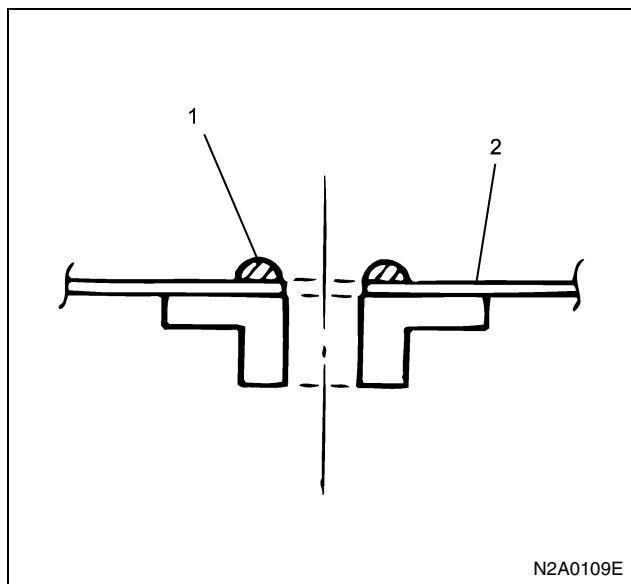
Tighten:

Anchor bolt to 44 N·m (4.5 kg·m/32.5 lb·ft)

2-66 CAB AND FRAME

2. Apply the sealant (1) around the seat belt lower anchor bolt mounting hole on the floor part (2).

Sealant: TOKIWA CHEMICAL INDUSTRY 770GA or equivalent

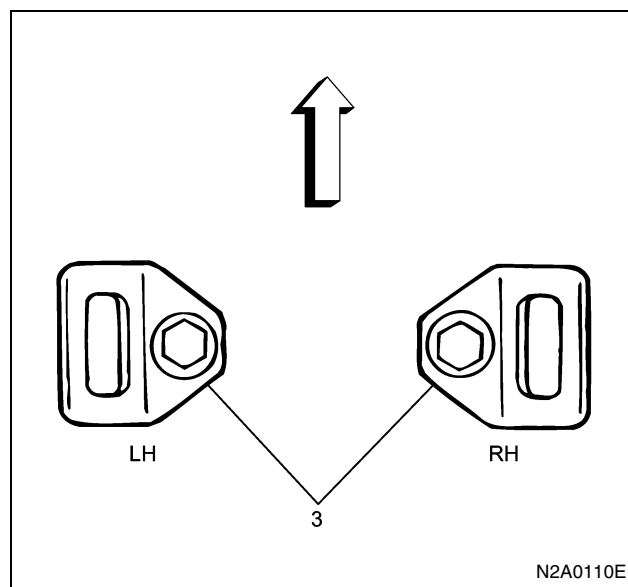


Tighten:

Anchor bolt to 44 N·m (4.5 kg·m/32.5 lb·ft)

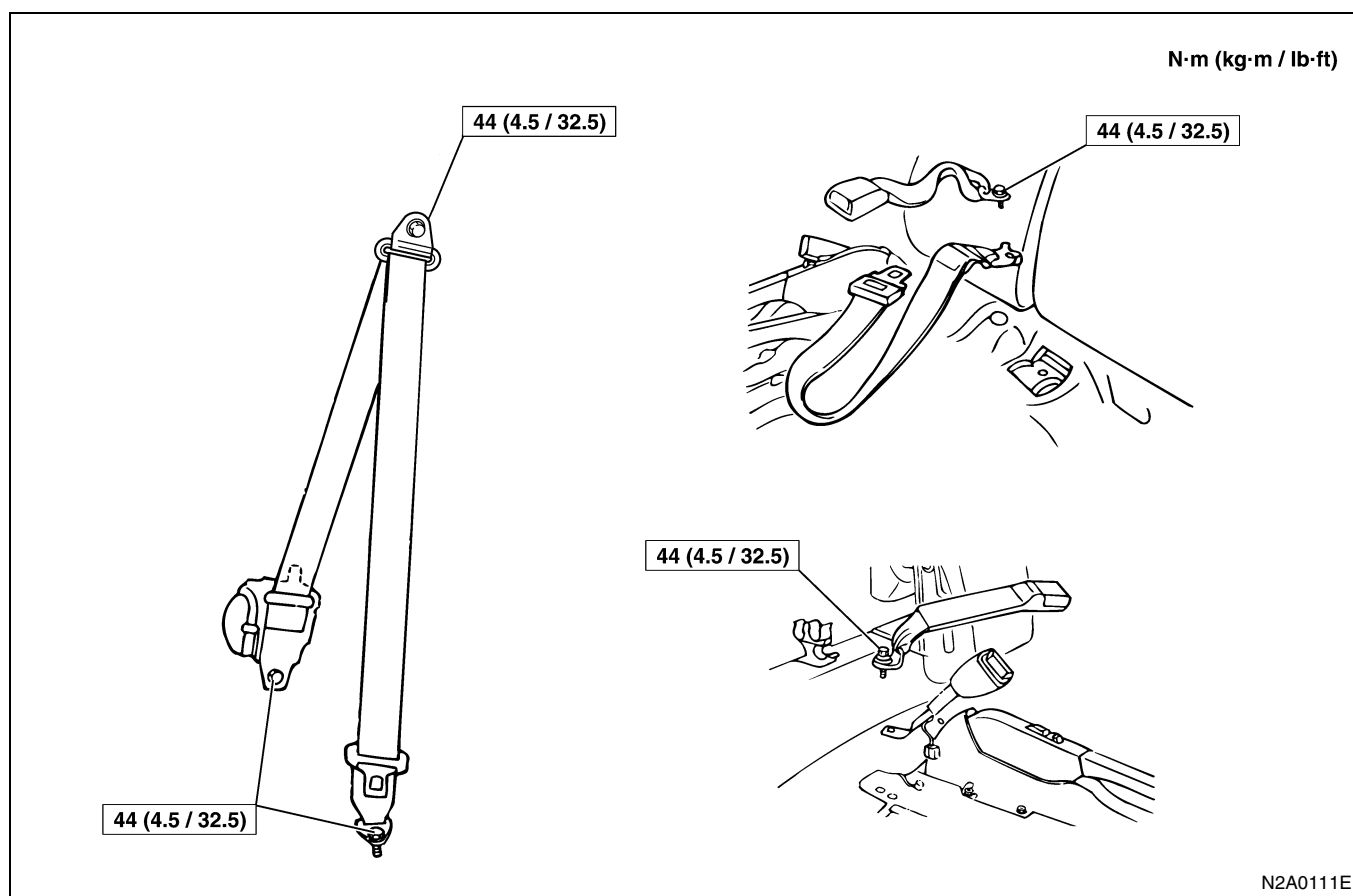
Caution:

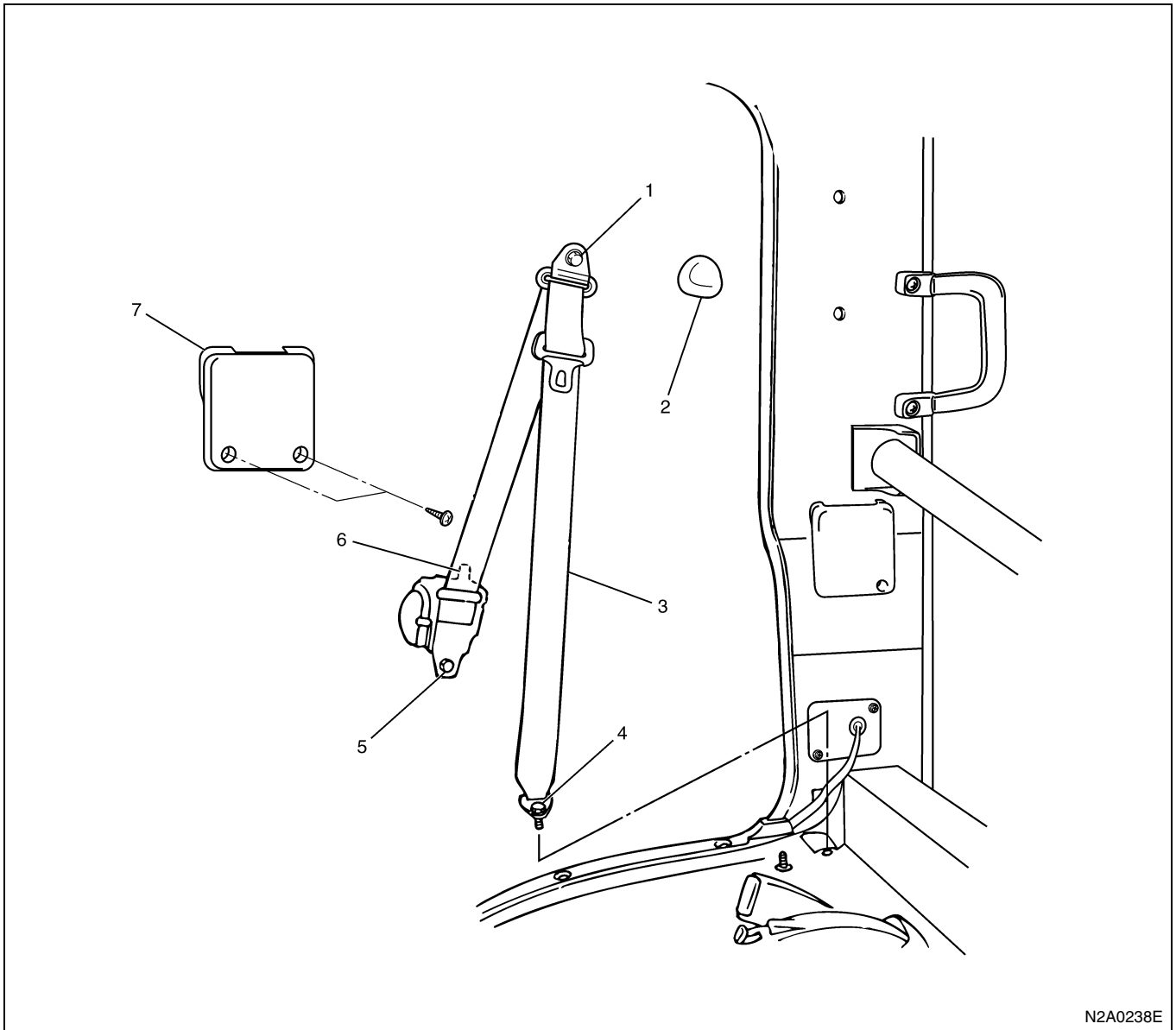
Install the seat belt lower anchor so that it may not run on the anchor detent bead.



3. Install the seat belt lower anchor (3) in the specified direction, and tighten it to the specified torque.

Fixing Torque



Tongue Side Seat Belt (Crew Cab Model)**Component**

N2A0238E

Legend

- | | |
|-----------------------------------|--------------------------|
| 1. Seat belt upper anchor bolt | 5. Retractor fixing bolt |
| 2. Through anchor cover | 6. Bracket |
| 3. Tongue side seat belt assembly | 7. Retractor cover |
| 4. Seat belt lower anchor bolt | |

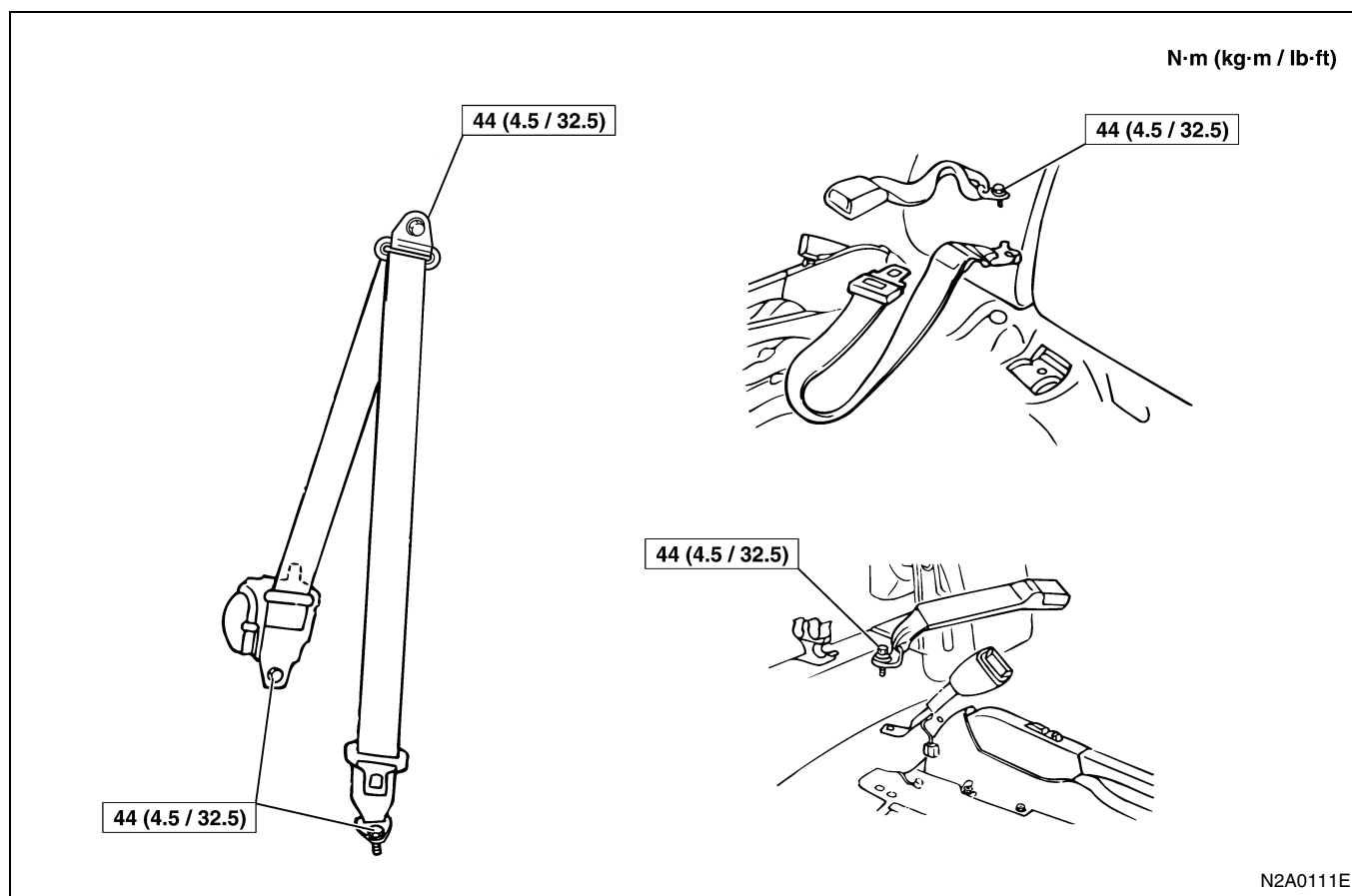
Removal

1. Seat belt lower anchor bolt
2. Retractor cover
 - Remove the 2 fixing screws.
3. Through anchor cover
4. Seat belt upper anchor bolt
5. Retractor fixing bolt
 - Remove the bolt and pull the retractor upper bracket from panel to remove.
6. Adjuster cover

Installation

For installation, refer to "Tongue Side Seat Belt (Single Cab Model)" in this section, and reverse the removal procedure.

Fixing Torque



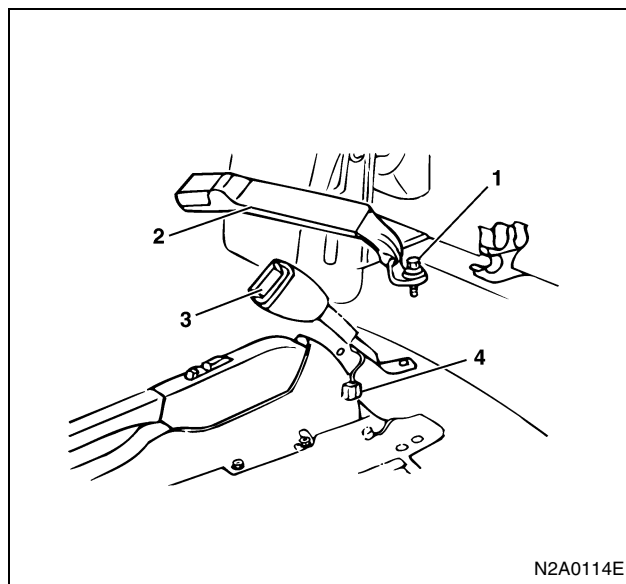
Front Center and Driver's Side Seat Belt Buckle

Removal

1. Disconnect the battery ground cable.
2. Fixing bolt (1)
3. Center seat belt buckle (2)
4. Disconnect the seat belt warning connector (4).
5. Driver's side seat belt buckle (3)

Caution:

For wide cab model, perform the steps 1 and 2 (Center), or the steps 1, 3 and 4 (Driver's side).

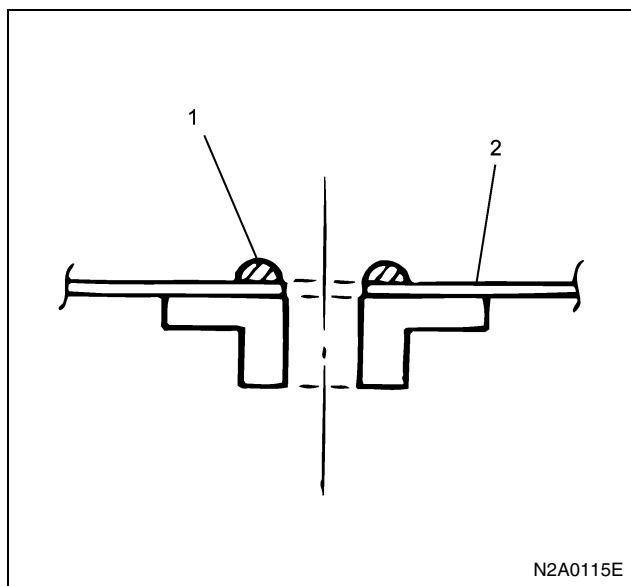


Installation

For installation, reverse the removal procedure taking the following points into consideration.

1. Apply the sealant (1) around the fixing bolt mounting hole on the floor part (2).

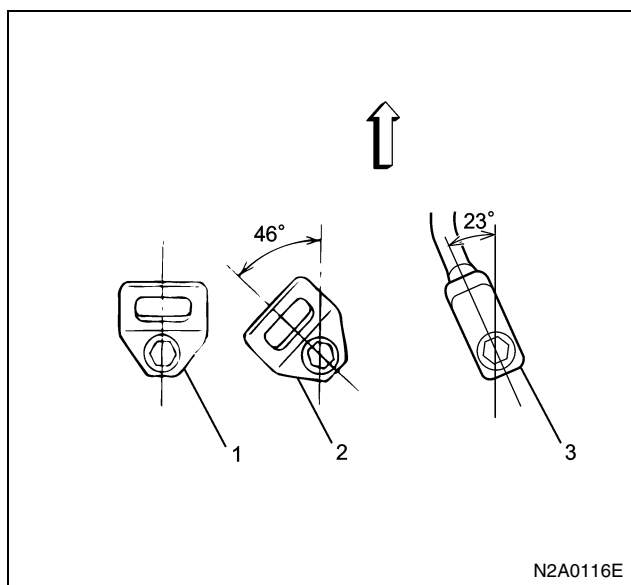
Sealant: TOKIWA CHEMICAL INDUSTRY 770GA or equivalent



2. Install the anchor in the specified direction, and tighten it to the specified torque.

Tighten:

Fixing bolt to 44 N·m (4.5 kg·m/32.5 lb·ft)



Legend

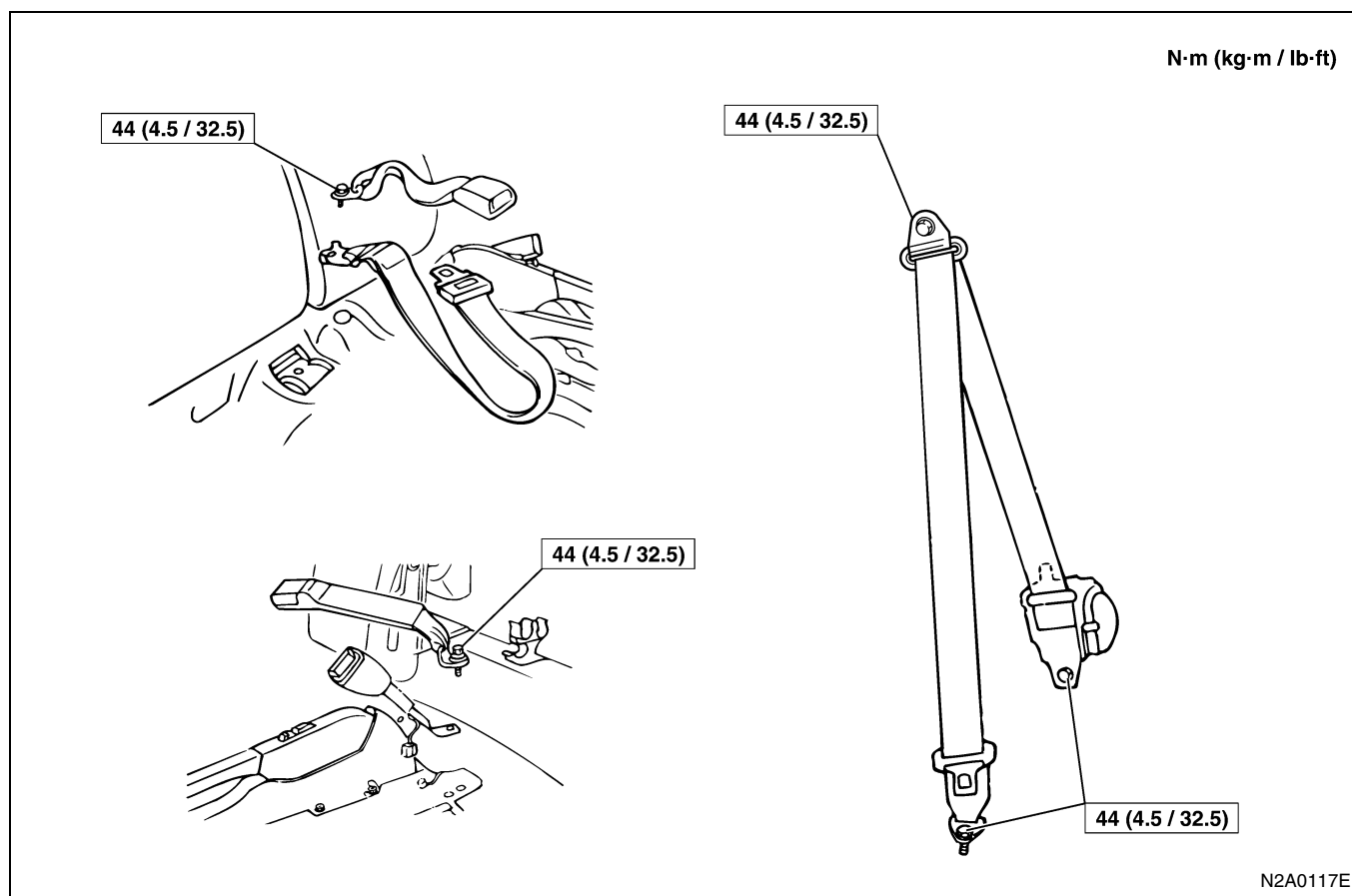
1. Center seat belt buckle (Wide cab model)
2. Center seat belt buckle (Except wide cab model)
3. Driver's side seat belt buckle

3. Pass the center seat belt buckle through the band on the end of seat cushion.

Caution:

Install the anchor so that it may not run on the anchor detent bead.

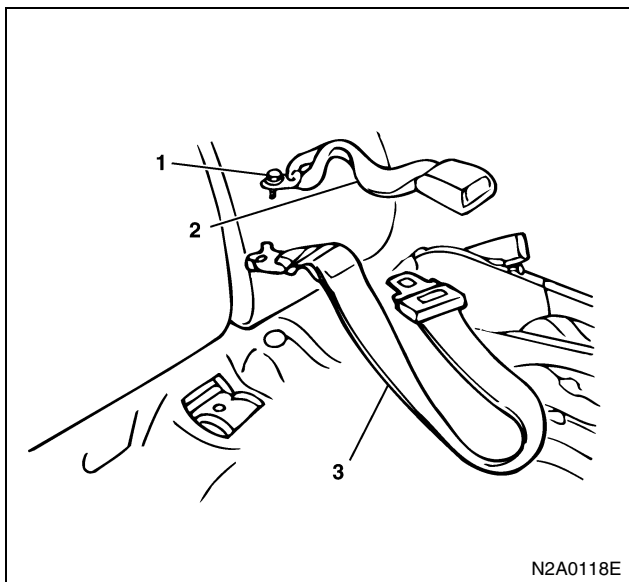
Fixing Torque



Front Center Seat Belt and Assistant's side Seat Belt Buckle

Removal

1. Assistant's seat cushion (three-passenger vehicle)
 - Refer to "Center and Passenger Side" in Seat Section of Cab Repair Manual.
2. Fixing bolt (1)
3. Passenger side seat belt buckle (2)
4. Center seat belt (3)



Installation

For installation, reverse the removal procedure taking the following points into consideration.

1. Apply the sealant (1) around the fixing bolt mounting hole.

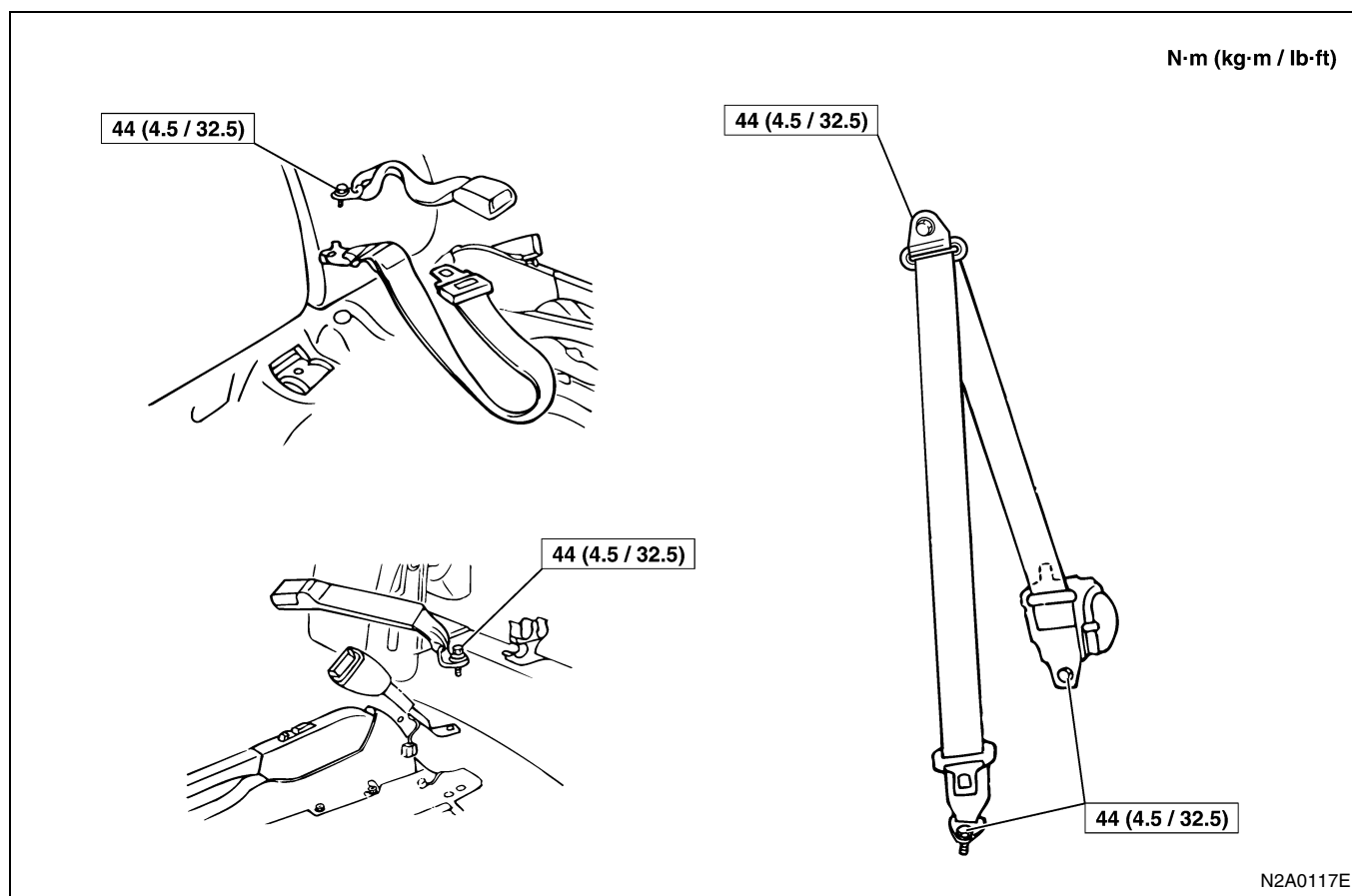
Sealant: TOKIWA CHEMICAL INDUSTRY 770GA or equivalent

2. Install the anchor parallel to the traveling direction of vehicle.
3. Tighten the fixing bolts to the specified torque.

Tighten:

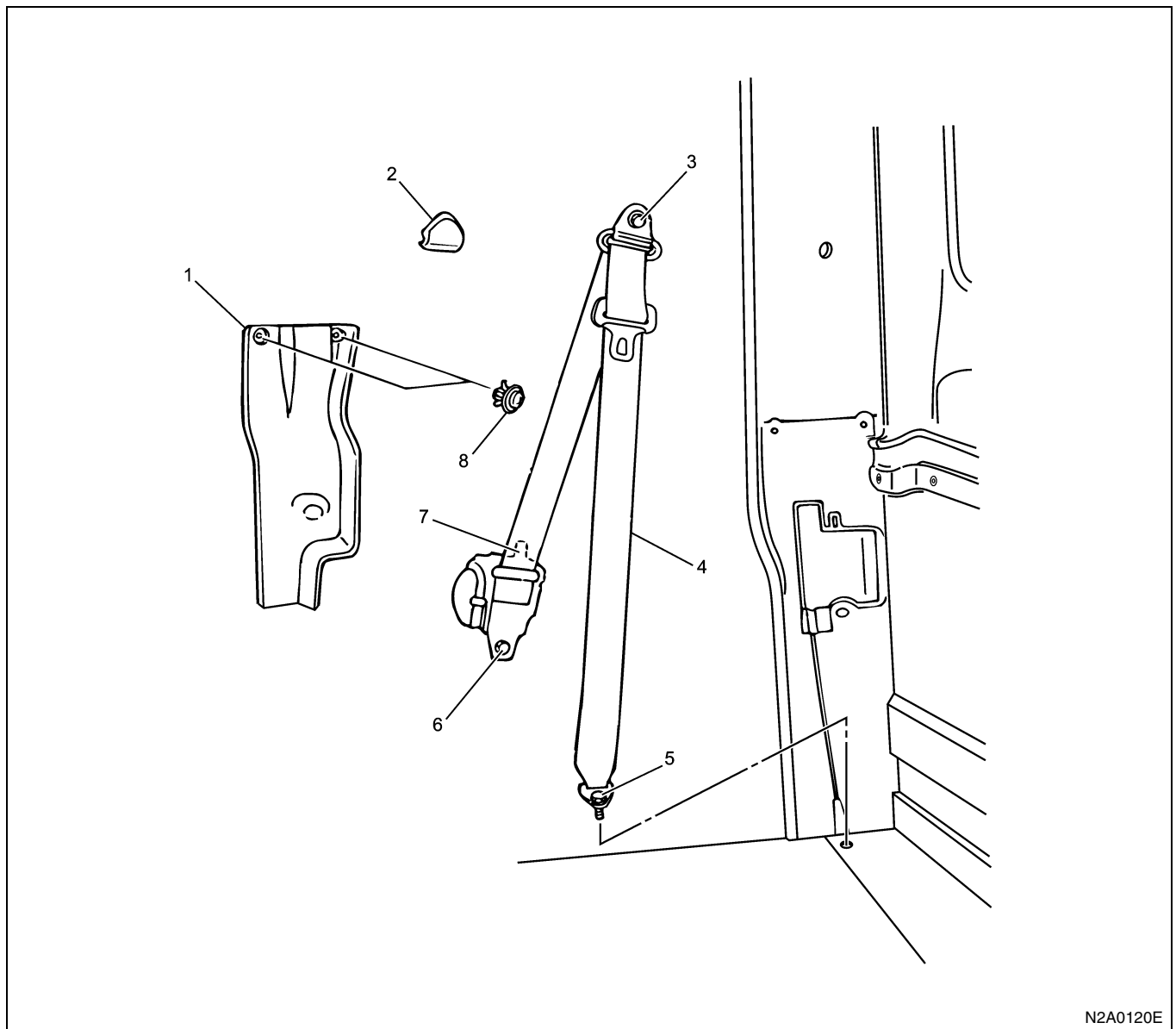
Fixing bolt to 44 N·m (4.5 kg·m/32.5 lb·ft)

Fixing Torque



Rear Seat Belt (Crew Cab Model)

Component



N2A0120E

Legend

- | | |
|---------------------------------|--------------------------------|
| 1. Rear pillar lower trim cover | 5. Seat belt lower anchor bolt |
| 2. Through anchor cover | 6. Retractor fixing bolt |
| 3. Seat belt upper anchor bolt | 7. Bracket |
| 4. Rear seat belt assembly | 8. Clip |

Removal

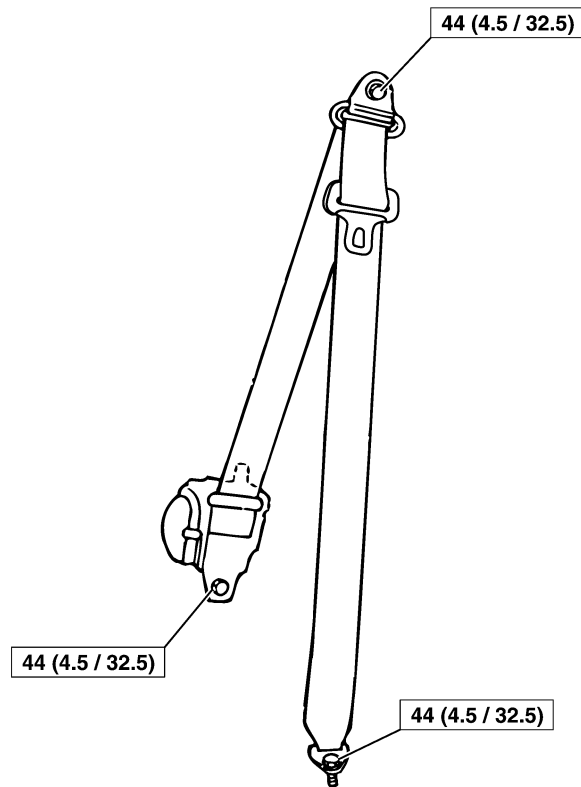
1. Seat belt lower anchor bolt
2. Rear pillar lower trim cover
 - Remove the 2 clips and pull it upward.
3. Through anchor cover
4. Seat belt upper anchor bolt
5. Retractor fixing bolt
 - Remove the bolt, and pull the retractor upper bracket from panel to remove it.

Installation

For installation, refer to "Tongue Side Seat Belt (Single Cab Model)" in this Section, and reverse the removal procedure.

Fixing Torque

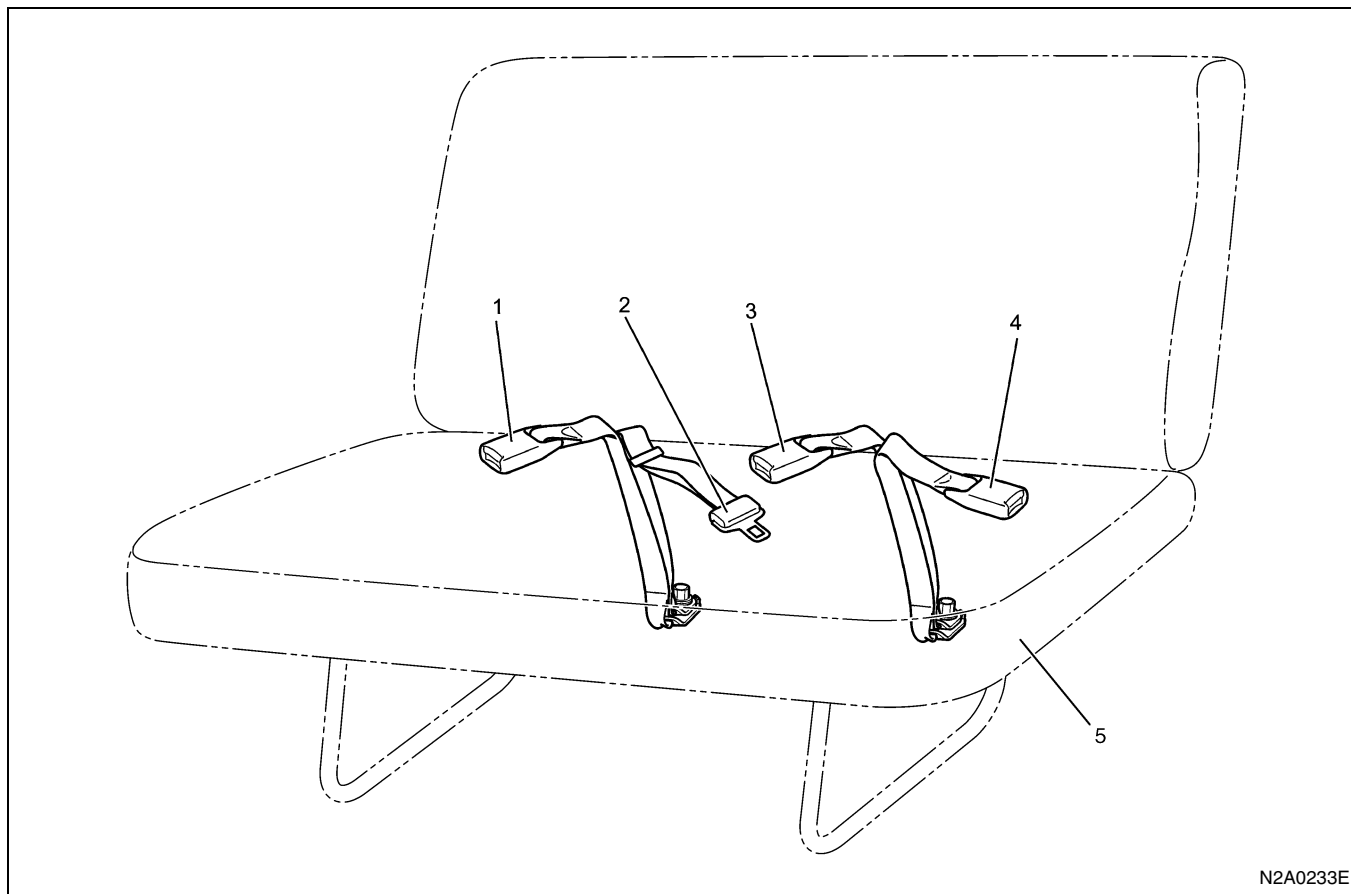
N·m (kg·m / lb·ft)



N2A0121E

Rear Seat Belt Buckle and Rear Center Seat Belt/Buckle (Narrow Cab Model)

Component



N2A0233E

Legend

- | | |
|-------------------------------|-------------------------------|
| 1. Rear seat belt buckle (RH) | 4. Rear seat belt buckle (LH) |
| 2. Rear center seat belt | 5. Rear seat cushion |
| 3. Rear center belt buckle | |

Removal

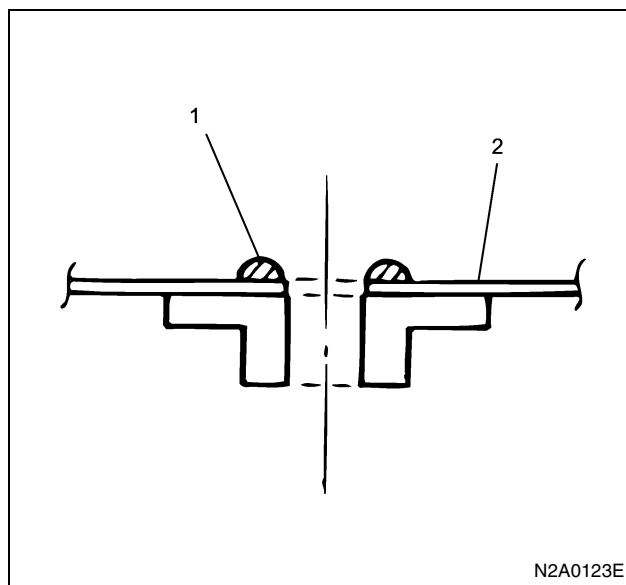
1. Fold the rear seat cushion.
 - Pull out each seat belt buckle and seat belt from the interval of the seat cushion and release the lock lever of rear seat cushion stay to fold it.
2. Fixing bolt of each seat belt

Installation

For installation, reverse the removal procedure taking the following points into consideration.

1. Apply the sealant (1) around the fixing bolt mounting hole on the floor part (2).

Sealant: TOKIWA CHEMICAL INDUSTRY 770GA or equivalent



N2A0123E

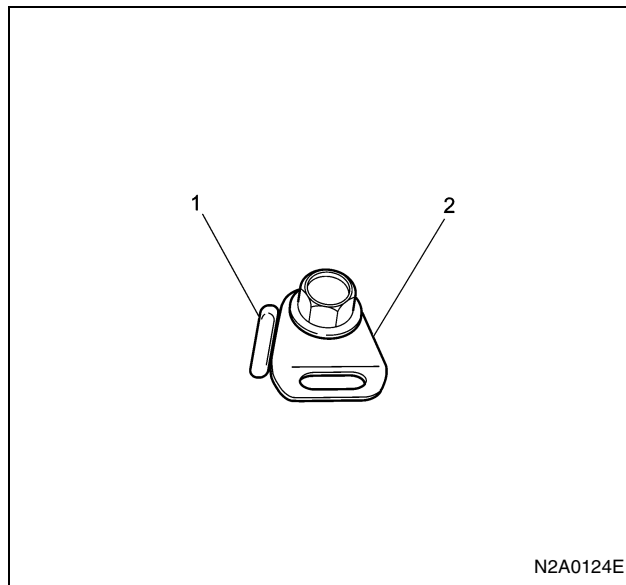
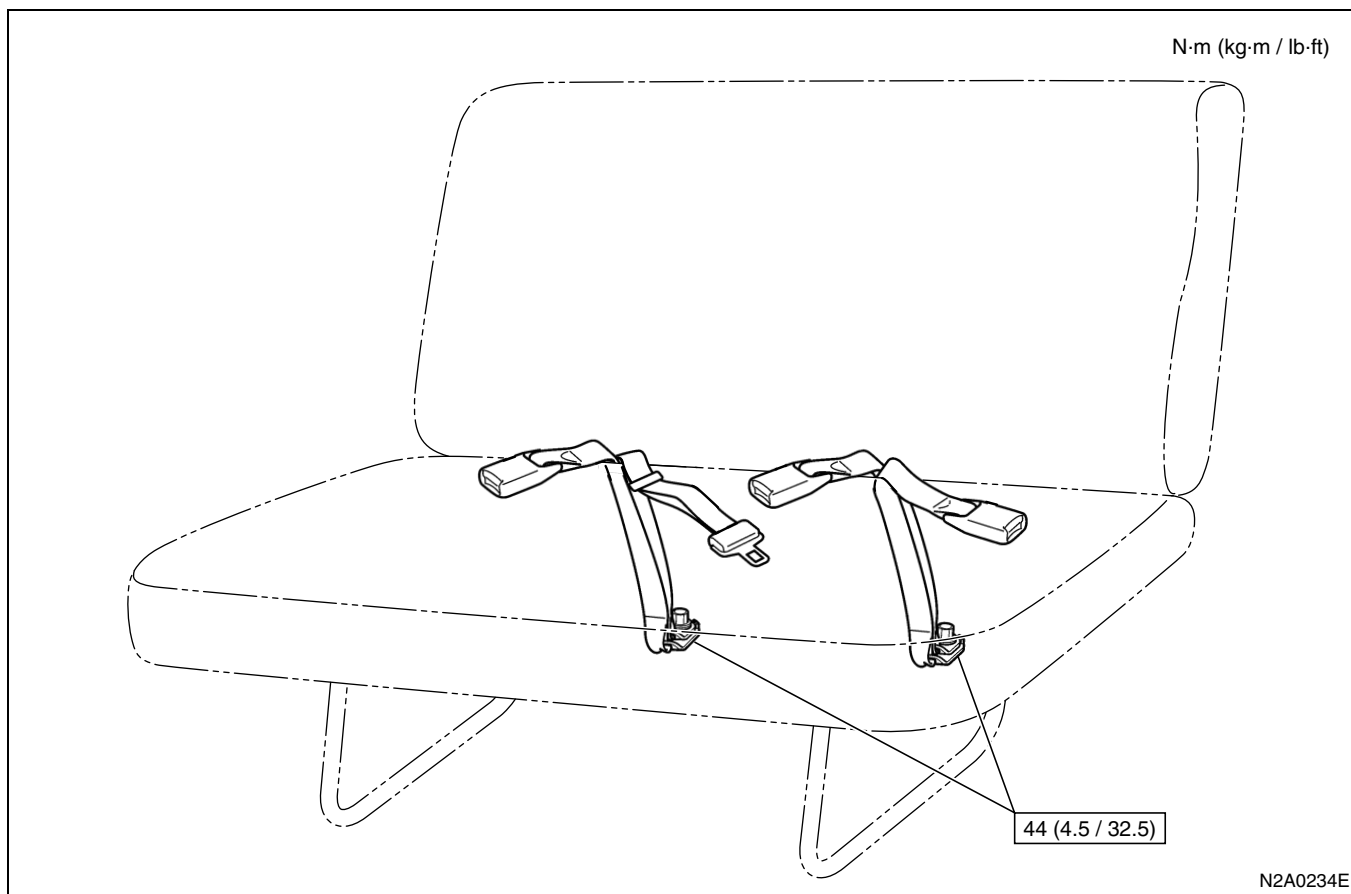
2. Install the anchor parallel to the traveling direction of vehicle.
3. Tighten the fixing bolts to the specified torque.

Tighten:

Fixing bolts to 44 N·m (4.5 kg·m/32.5 lb·ft)

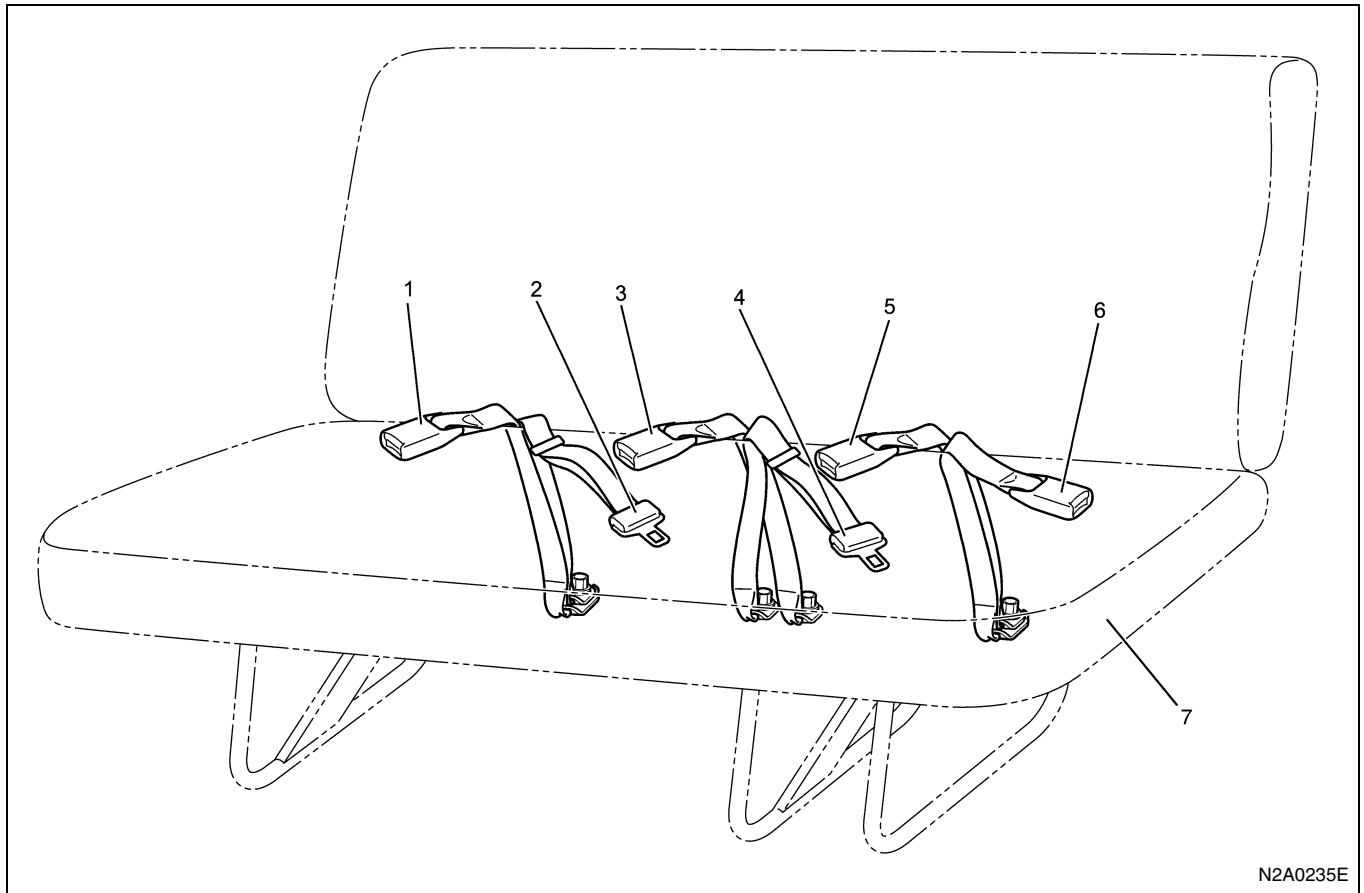
Caution:

Install the anchor bracket (2) so that it may not run on the anchor detent bead (1).

**Fixing Torque**

Rear Seat Belt Buckle and Rear Center Seat Belt/Buckle (Wide Cab Model)

Component



Legend

1. Rear seat belt buckle (RH)
2. Rear center seat belt (RH)
3. Rear center seat belt buckle (RH)
4. Rear center seat belt (LH)
5. Rear center seat belt buckle (LH)
6. Rear seat belt buckle (LH)
7. Rear seat cushion

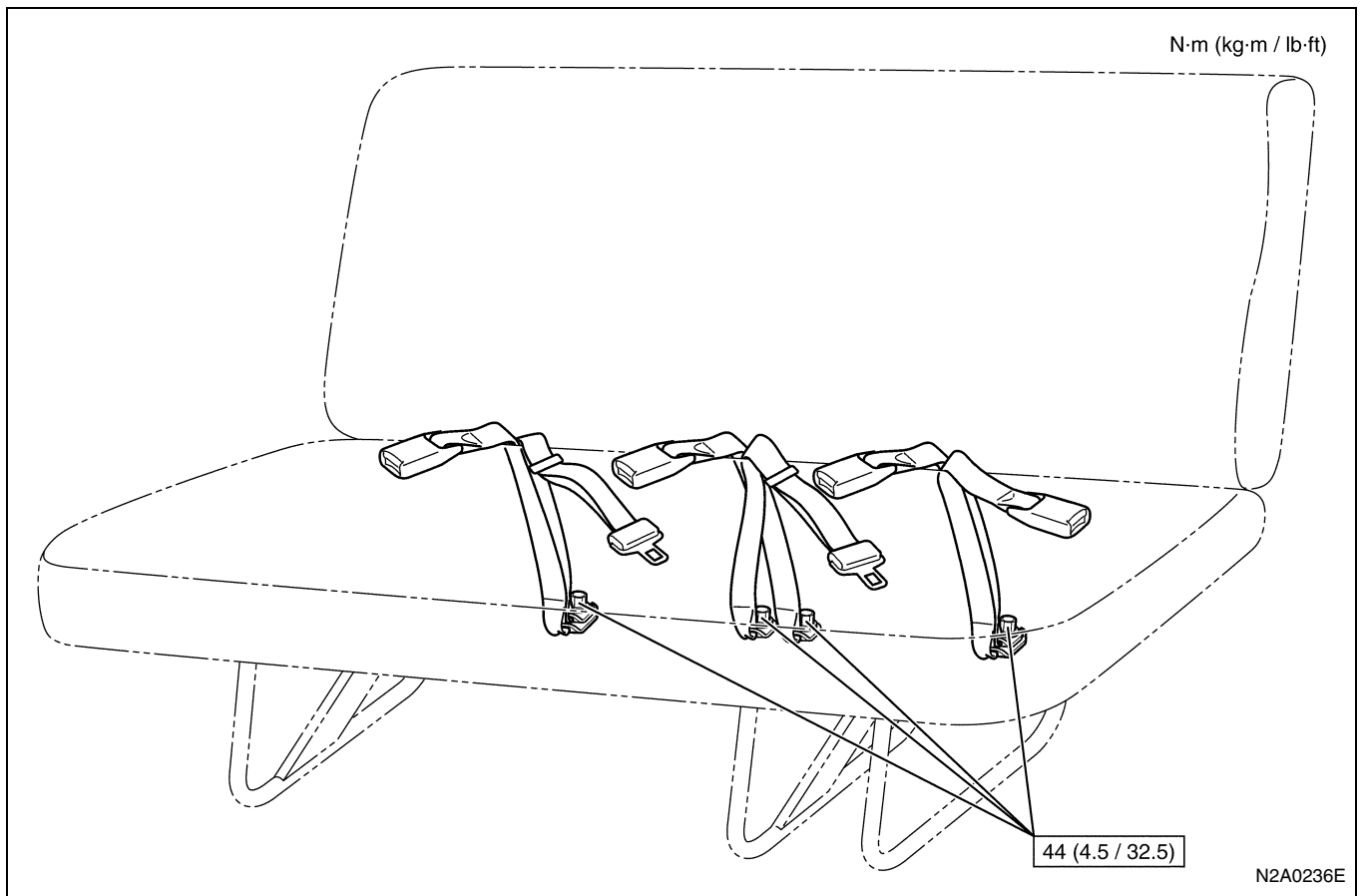
Removal

Refer to “Rear Seat Belt Buckle and Rear Center Seat Belt/Buckle (Narrow Cab Model)” in this section for removal.

Installation

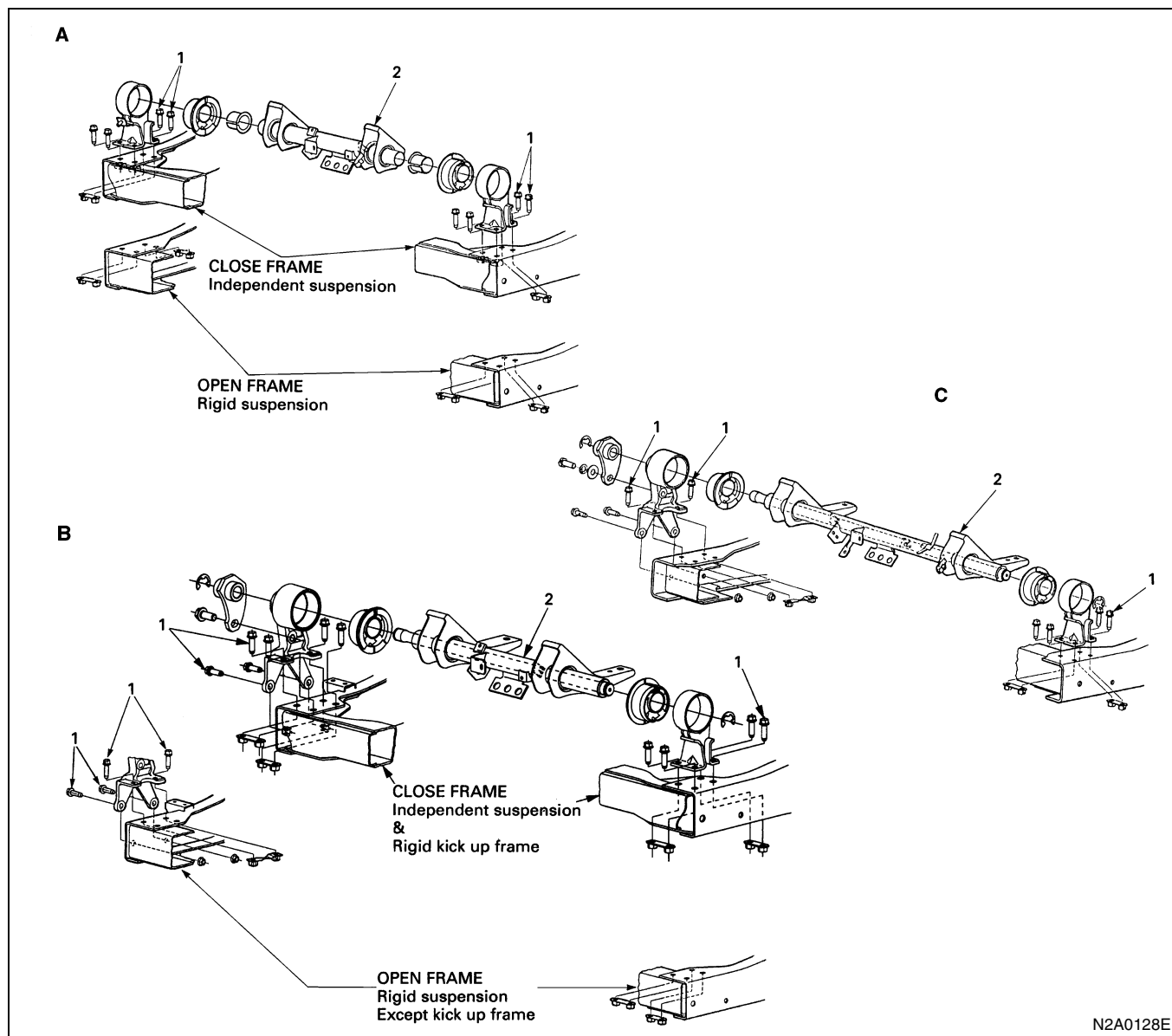
Refer to “Rear Seat Belt Buckle and Rear Center Seat Belt/Buckle (Narrow Cab Model)” in this section for installation.

Fixing Torque



CAB MOUNTING

Front Mounting



Legend

- A. Non-tilt cab
- B. Tilt cab (wide)
- C. Tilt cab (narrow)

- 1. Cab mounting bracket fixing bolt
- 2. Cab mounting lever assembly

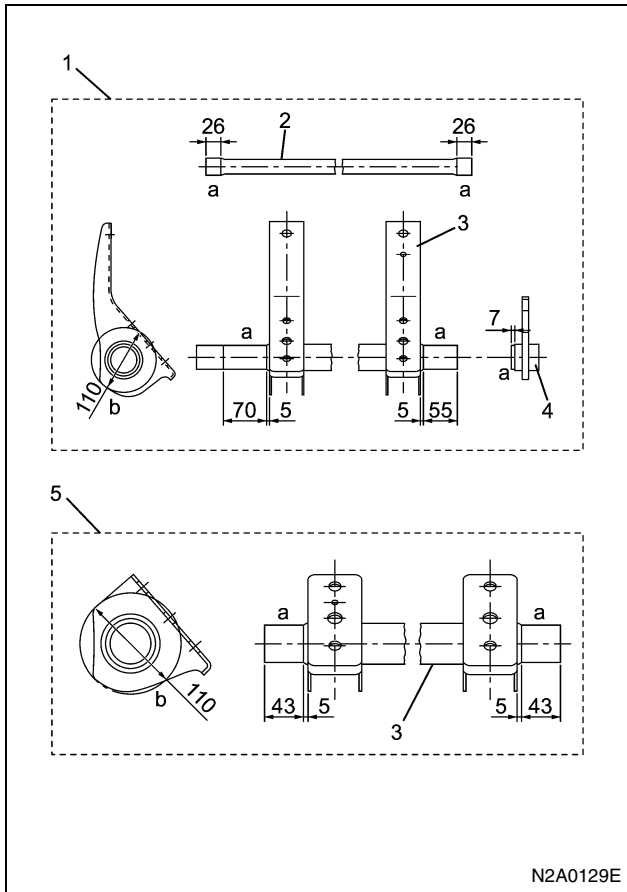
Removal

1. Cab assembly
 - Refer to "Removal and Installation of Cab Assembly" in this Section.
2. Anchor bolt (Tilt cab model)
 - Loosen the anchor bolt, remove the adjusting bolt, and then remove the anchor bolt.
3. Front cab mounting bracket
 - For RH side, remove the 4 fixing bolts. The nut side is classified into 2 types, weld and plate, depending on models.
 - For LH side, remove the 2 fixing bolts from the upper and 2 fixing bolts from the side. The nut side is classified into 2 types, weld and plate, depending on models, similarly to RH side.
4. Anchor arm
 - Remove the snap ring in the end of torsion bar.
5. Cab mounting lever assembly

Installation

For installation, reverse the removal procedure taking the following points into consideration.

1. Apply grease to the designated locations.
 - a. BESCO L-2 applied area
 - b. BESCO rubber grease application range
 - Apply it to the outer side of the body with mounting rubber.



Legend

1. Tilt cab model
2. Torsion bar
3. Cab mounting lever assembly
4. Anchor arm
5. Non-tilt cab model

2. Tighten the fixing bolt of cab mounting bracket to the specified torque.

Tighten:

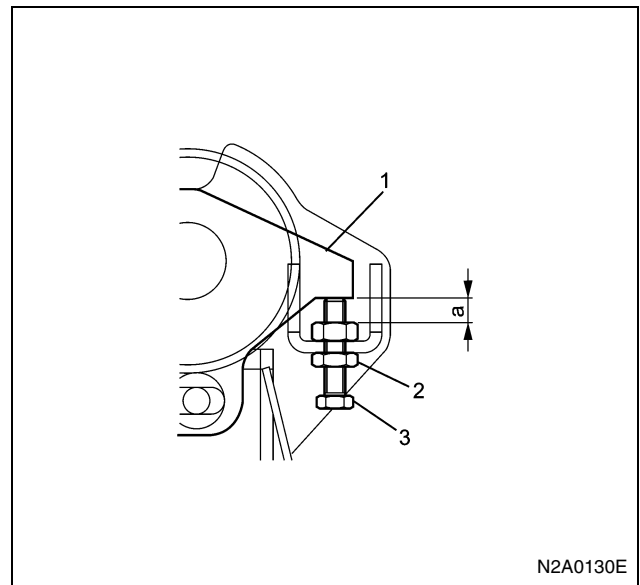
Fixing bolt to 117 ± 11.8 N·m (11.9 ± 1.2 kg·m/86.3±8.7 lb·ft)

3. When installing anchor arm, align the match mark (I mark) with the missing tooth of the torsion bar.
4. Adjust the amount of projection for anchor arm assembly (1) with adjusting bolt (3), and fix with the lock nut (2). (Tilt cab model)

The following dimensions are guide values.

When adjustment of operating force is necessary, refer to "7. Operating Force Adjustment".

Dimension	Bolt projection amount mm (in)	Model type	Remarks
a	18 ± 2.5 (0.7±0.1)	NKR slide door, NPS	Adjustment dimension
	13.5 ± 2.5 (0.5±0.1)	Except above	



5. Tighten the lock nut to the specified torque.

Tighten:

Lock nut to 76 N·m (7.7 kg·m/56.1 lb·ft)

6. Tighten the anchor arm anchor bolt to the specified torque.

Tighten:

Anchor arm anchor bolt to 95 N·m (9.7 kg·m/70.1 lb·ft)

7. Cab tilt operating force adjustment

- Perform the following procedure when the cab equips heavy items such as roof rack, or any other occasion which require cab tilt operating force adjustment.
 - a. Tilt-up the cab.

Caution:

Never perform adjustment with the cab tilt-down, since the torsion bar torque is applied to the adjusting bolt and nut of the anchor arm.

- b. Loosen the anchor bolt to the degree that allows you to turn it by hand.
- c. Turn the adjusting bolt to adjust the operating force.
 - Clockwise direction: Reduces cab tilt operating force.
 - Counterclockwise direction: Increase cab tilt operating force.

Notice:

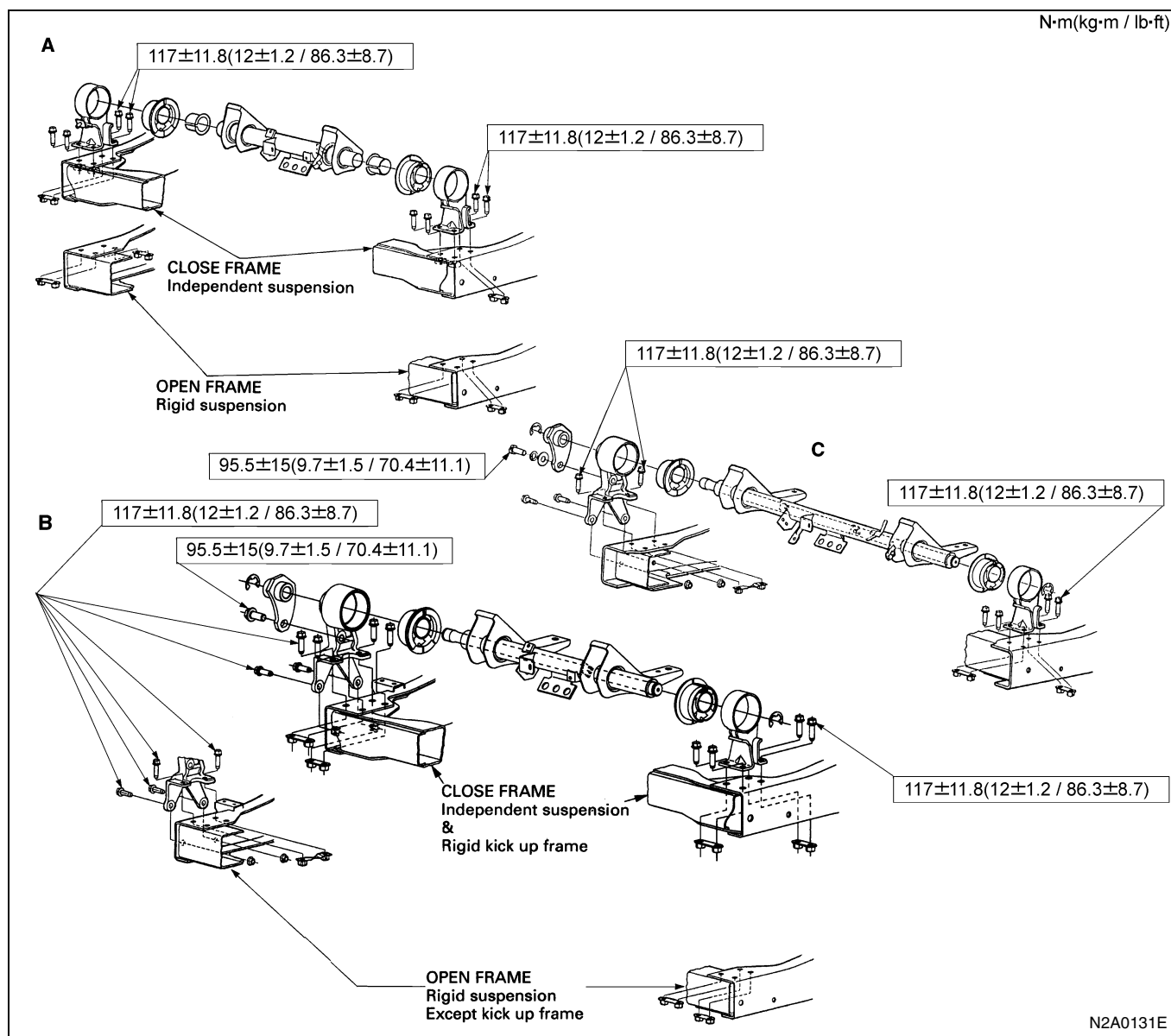
One turn of the bolt changes $\pm 4\text{kg}$ of cab tilt operating force.

- d. Check that the adjusting bolt tip contacts the anchor arm side face.
- e. Tighten the anchor bolt and lock nut to the specified torque.

- f. Tilt-up or down the cab to make sure that the operating force is well-balanced. Repeat the steps (a) to (f) until the above condition is satisfactory.

Notice:

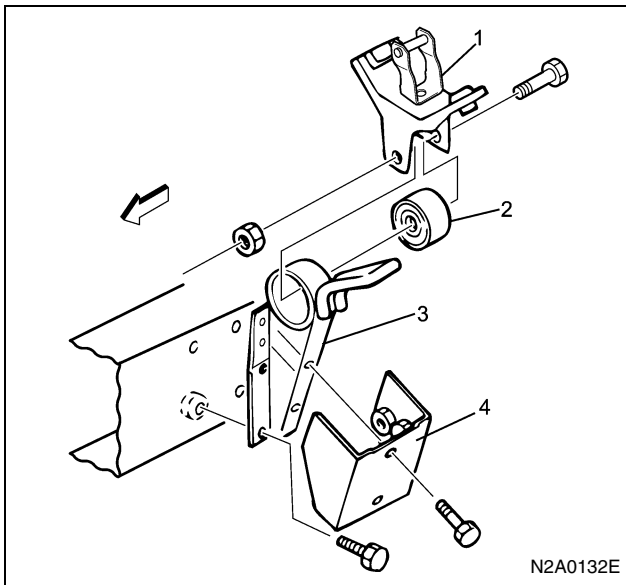
Specification for adjustment bolt projection amount is described in "4. Projection amount adjustment".

Fixing Torque

Rear Mounting (Model with Rubber Bushing except Wide Cab Model)

Removal

1. Tilt-up the cab.
2. Cab rear mounting bracket (1)
 - Remove the bolt and nut.
3. Cab mounting bracket (3)
 - Remove the cover (4) and remove the installing bolts. (Independent: 5 bolts, Rigid: 4 bolts)
4. Rubber bushing assembly (2)



Installation

For installation, reverse the removal procedure taking the following points into consideration.

1. Tighten the cab mounting bracket to the specified torque.

Tighten:

Cab mounting bracket to 81 ± 7.8 N·m (8.3 ± 0.8 kg·m / 59.7 ± 5.8 lb·ft)

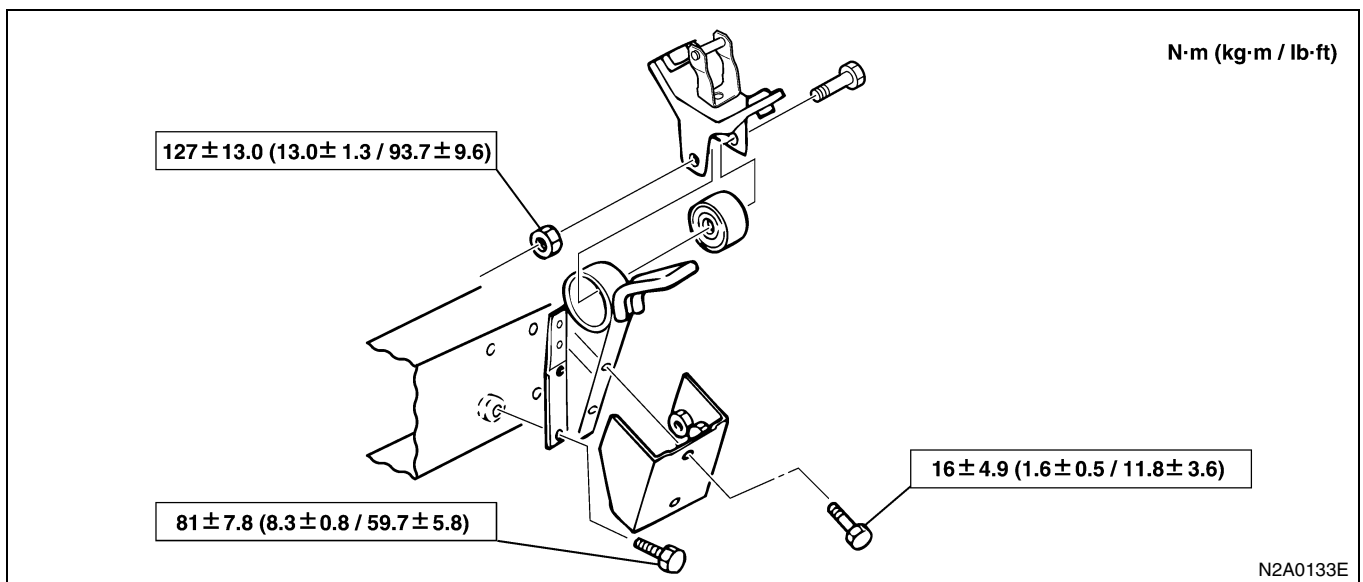
2. Tighten the cab rear mounting bracket to the specified torque.

Tighten:

Cab rear mounting bracket to 127 ± 13 N·m (13.0 ± 1.3 kg·m / 93.7 ± 9.6 lb·ft)

3. Set the tilt of cab rear mounting bracket to $\pm 2^\circ$ or less.

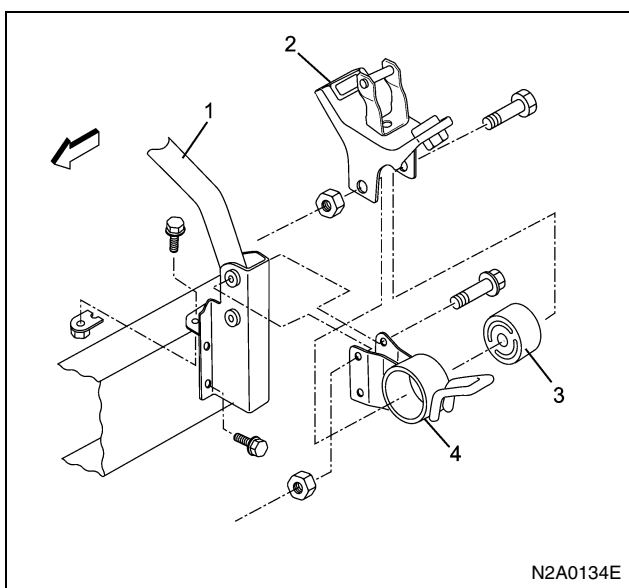
Fixing Torque



Rear Mounting (Wide Cab Model)

Removal

1. Tilt-up the cab.
2. Cab rear mounting bracket (2)
 - Remove the bolt and nut.
3. Cab mounting bracket (4)
 - Remove 2 pairs of bolts and nuts.
4. Rubber bushing assembly (3)
5. Cab back crossmember (1)
 - Remove the fixing bolt and nut.



Installation

For installation, reverse the removal procedure taking the following points into consideration.

1. Tighten the cab back crossmember.

Tighten:

Cab back crossmember to 81 N·m (8.3 kg·m/59.7 lb·ft)

2. Tighten the cab mounting bracket to the specified torque.

Tighten:

Cab mounting bracket to 127 N·m (13.0 kg·m/93.7 lb·ft)

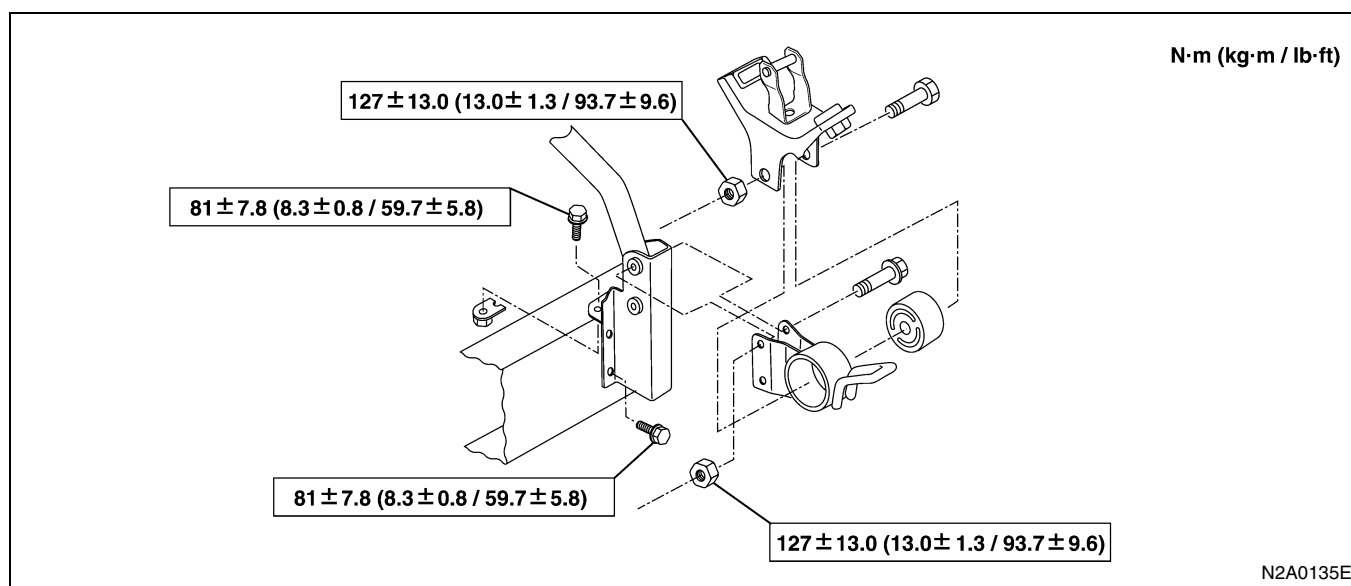
3. Tighten the cab rear mounting bracket to the specified torque.

Tighten:

Cab rear mounting bracket to 127 N·m (13.0 kg·m/93.7 lb·ft)

4. Set the tilt of cab rear mounting bracket to $\pm 2^\circ$ or less.

Fixing Torque



Rear Mounting (Model without Rubber Bushing)

Removal

1. For a tilt vehicle, tilt-up the cab.
2. Cab rear mounting bracket (1) (Tilt cab model)
 - Remove the nut and pull it up.
- Cab mounting rear bolt (Non-tilt cab model)
 - Remove the bolt (2) from the cab side bracket (3).
3. mounting rubber (4)
 - Remove the 4 bolts.
4. Cab mounting bracket (5)
 - Remove the bolts. (Independent: 5 bolts, Rigid: 4 bolts)

Tighten:

Mounting rubber to 50 ± 5.9 N·m (5.1 ± 0.6 kg·m/ 36.9 ± 4.4 lb·ft)

3. Tighten the cab rear mounting bracket to the specified torque. (Tilt cab model)

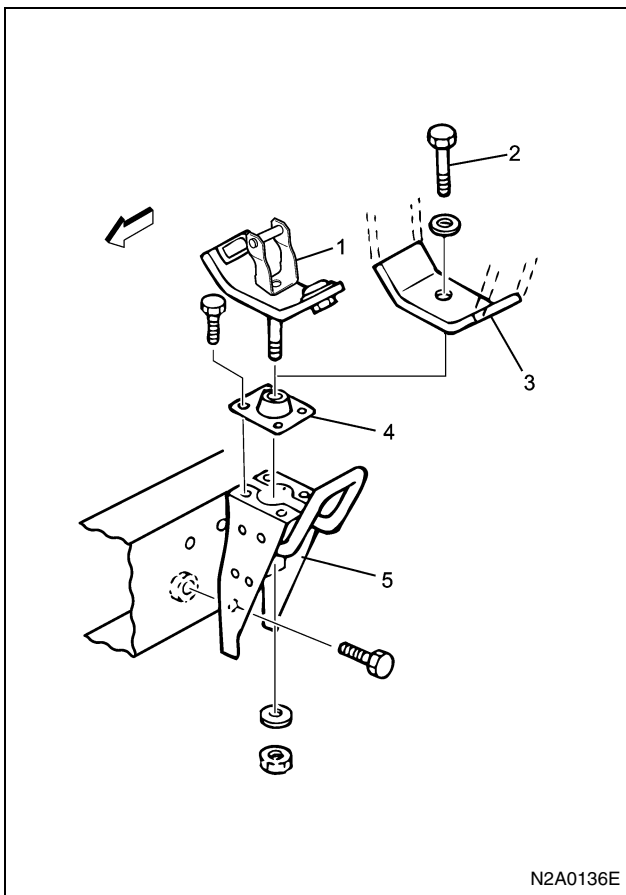
Tighten:

Cab rear mounting bracket to 88 ± 9.8 N·m (9.0 ± 1.0 kg·m/ 64.9 ± 7.2 lb·ft)

4. Tighten the cab rear mounting bolt to the specified torque. (Non-tilt cab model)

Tighten:

Cab rear mounting bolt to 88 N·m (9.0 kg·m/64.9 lb·ft)



Installation

For installation, reverse the removal procedure taking the following points into consideration.

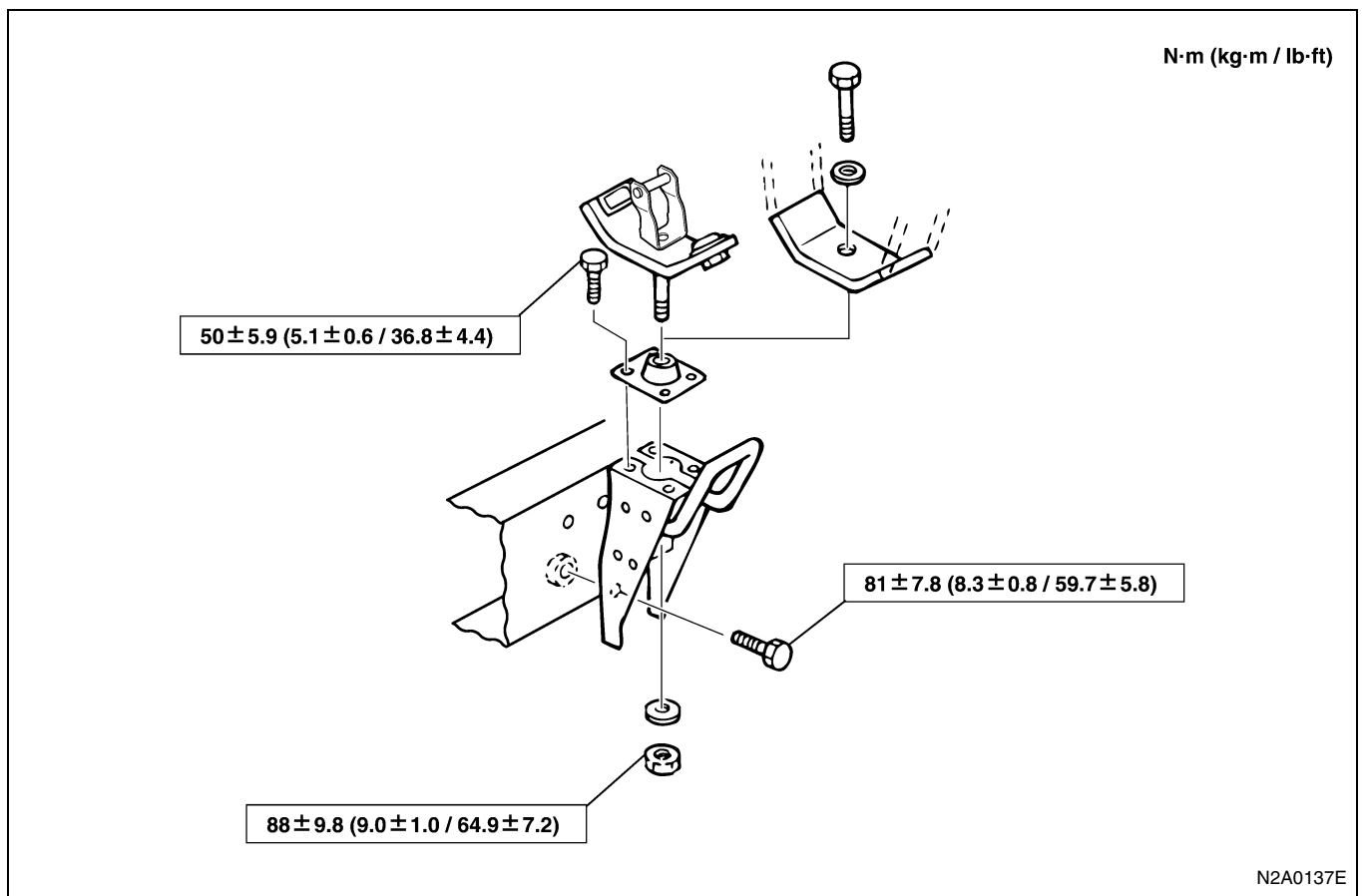
1. Tighten the cab mounting bracket to the specified torque.

Tighten:

Cab mounting bracket to 81 ± 7.8 N·m (8.3 ± 0.8 kg·m/ 59.7 ± 5.8 lb·ft)

2. Tighten the mounting rubber to the specified torque.

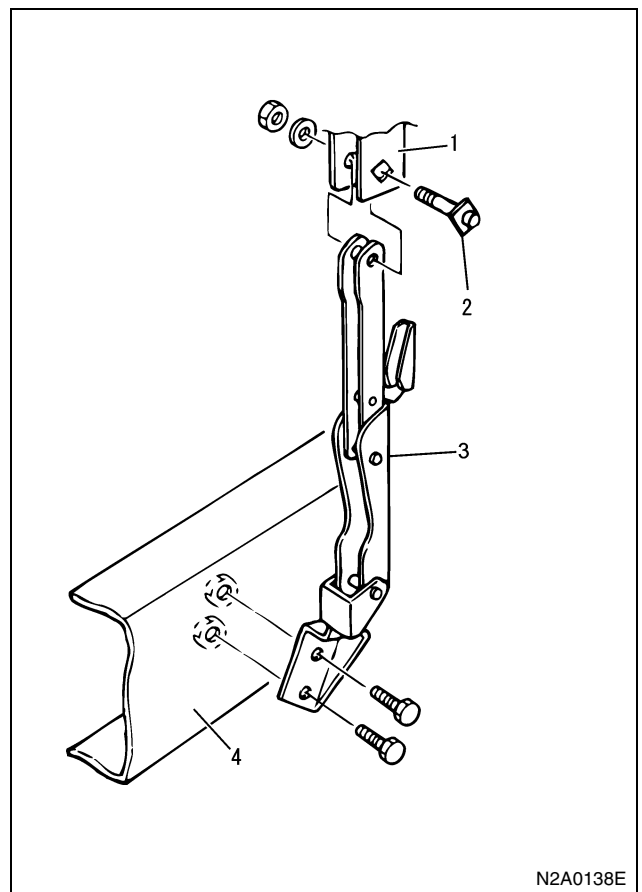
Fixing Torque



Cab Stay

Removal

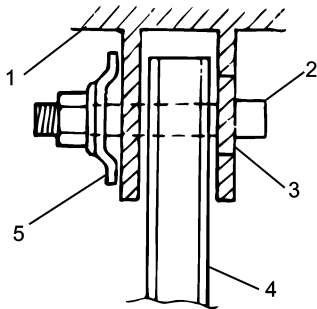
1. Cab stay pin
 - Remove the pin (2), nut, and washer from cab side bracket (1).
2. Cab stay (3)
 - Remove the 2 fixing bolts from frame side (4).



Installation

For installation, reverse the removal procedure taking the following points into consideration.

1. When installing the cab stay (4) to the cab side bracket (1), completely fit the cab stay pin (2) to the bracket square hole (3).
2. Assemble the washer (5) convex to face the nut side.



N2A0139E

3. Tighten the cab stay pin fixing nut to the specified torque.

Tighten:

Cab stay pin fixing nut to 22 N·m (2.2 kg·m/16.2 lb·ft)

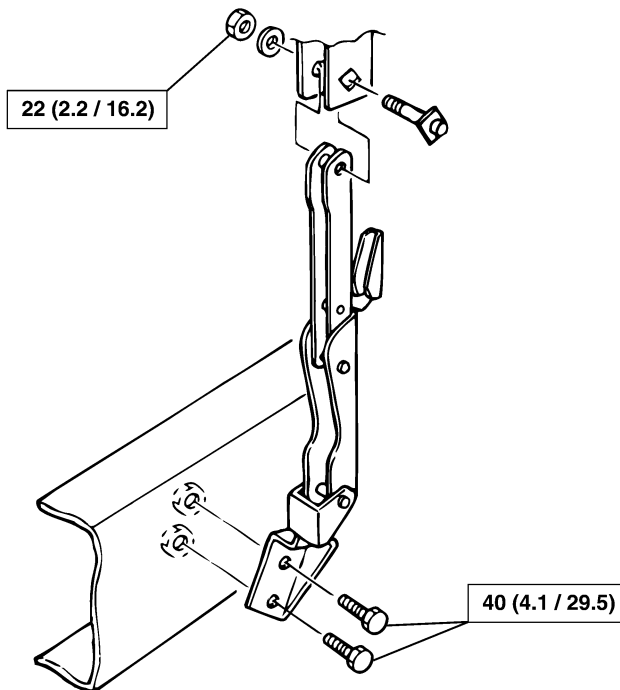
4. Tighten the cab stay frame side fixing bolt to the specified torque.

Tighten:

Cab stay frame side fixing bolt to 40 N·m (4.1 kg·m/29.5 lb·ft)

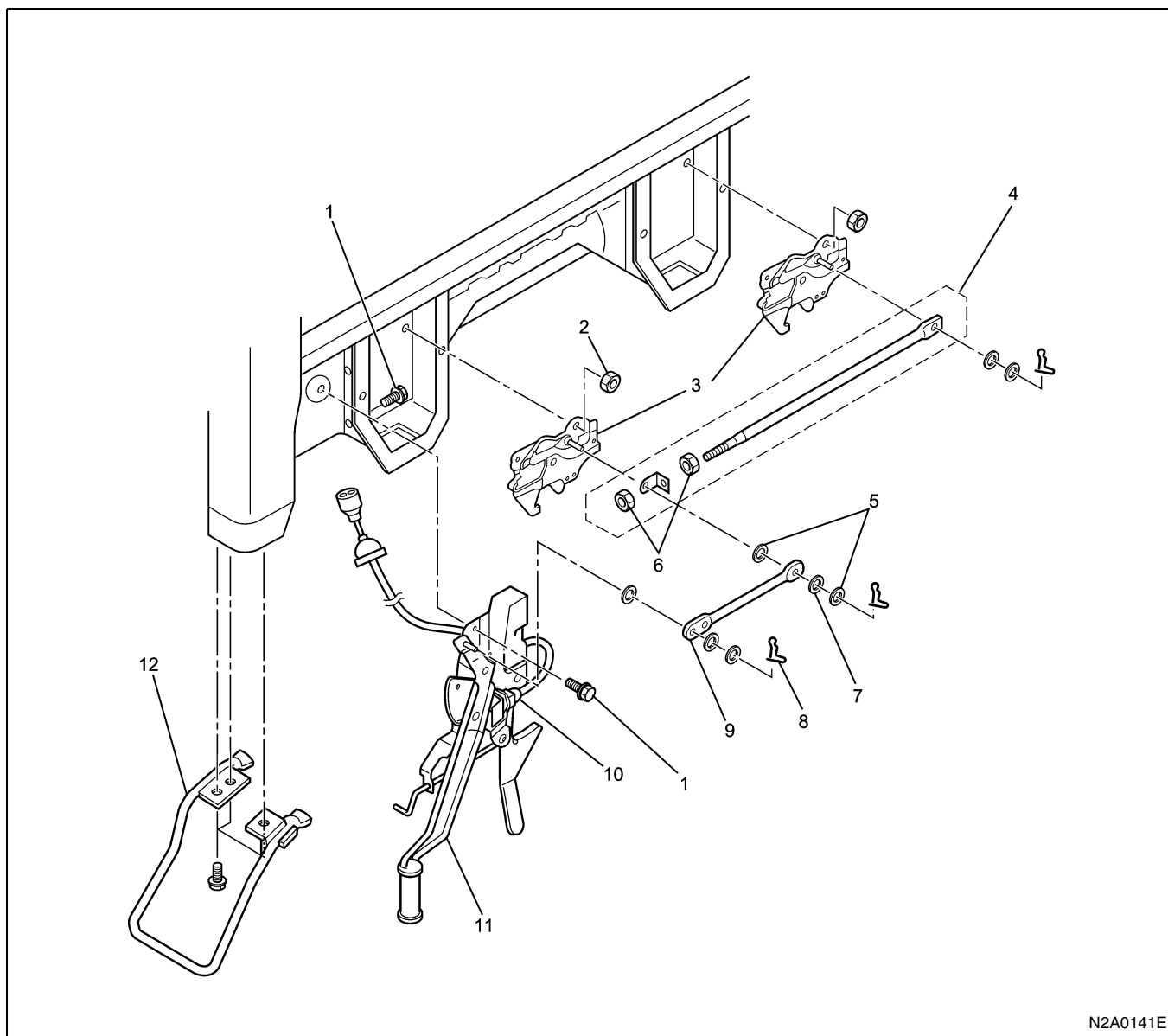
Fixing Torque

N·m (kg·m / lb·ft)



N2A0140E

Cab Lock Assembly



N2A0141E

Legend

- | | |
|--------------------------------------|-------------------------------|
| 1. Cab lock control unit fixing bolt | 7. Wave washer |
| 2. Cab lock assembly fixing nut | 8. Snap pin |
| 3. Cab lock assembly | 9. Hand lever hook rod |
| 4. Hook rod assembly | 10. Cab tilt switch |
| 5. Washer | 11. Cab control unit assembly |
| 6. Adjust nut | 12. Tilt handle assembly |

Removal

1. Disconnect the battery cable.
2. Hand lever hook rod
 - Pull out the snap pins and remove the washers and wave washers.
3. Hook rod assembly
4. Cab lock assembly
 - Remove the 4 fixing nuts.
5. Cab lock control unit assembly
6. Tilt handle assembly
 - Remove the 3 tilt handle fixing bolts.
- Remove the 3 fixing bolts, and disconnect the harness connector of cab tilt switch.

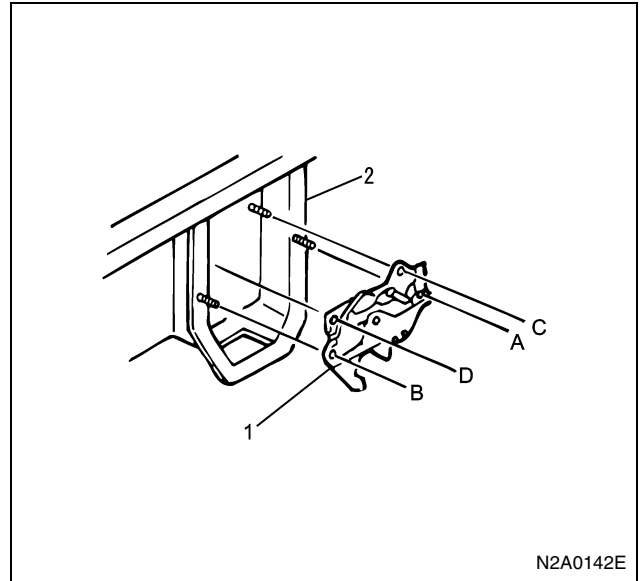
Installation

For installation, reverse the removal procedure taking the following points into consideration.

1. When installing cab lock assembly (1) to the rear mounting (2), install the LH and RH cab lock assembly, and tighten the nuts in the following sequence. First, temporarily tighten A, then tighten B to D to the specified torque, and lastly tighten A firmly.

Tighten:

Nut to 19 N·m (1.9 kg·m/14.0 lb·ft)

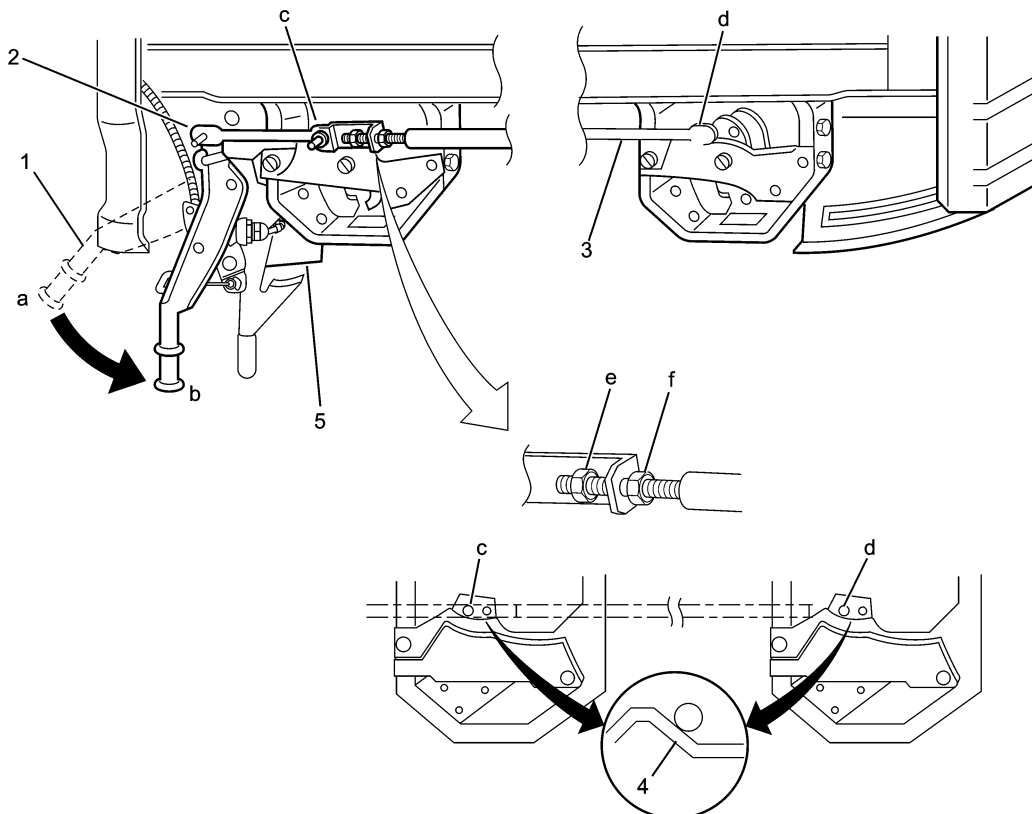


2. Install the hook rod assembly (3) and handle lever hook rod (2) and adjust.

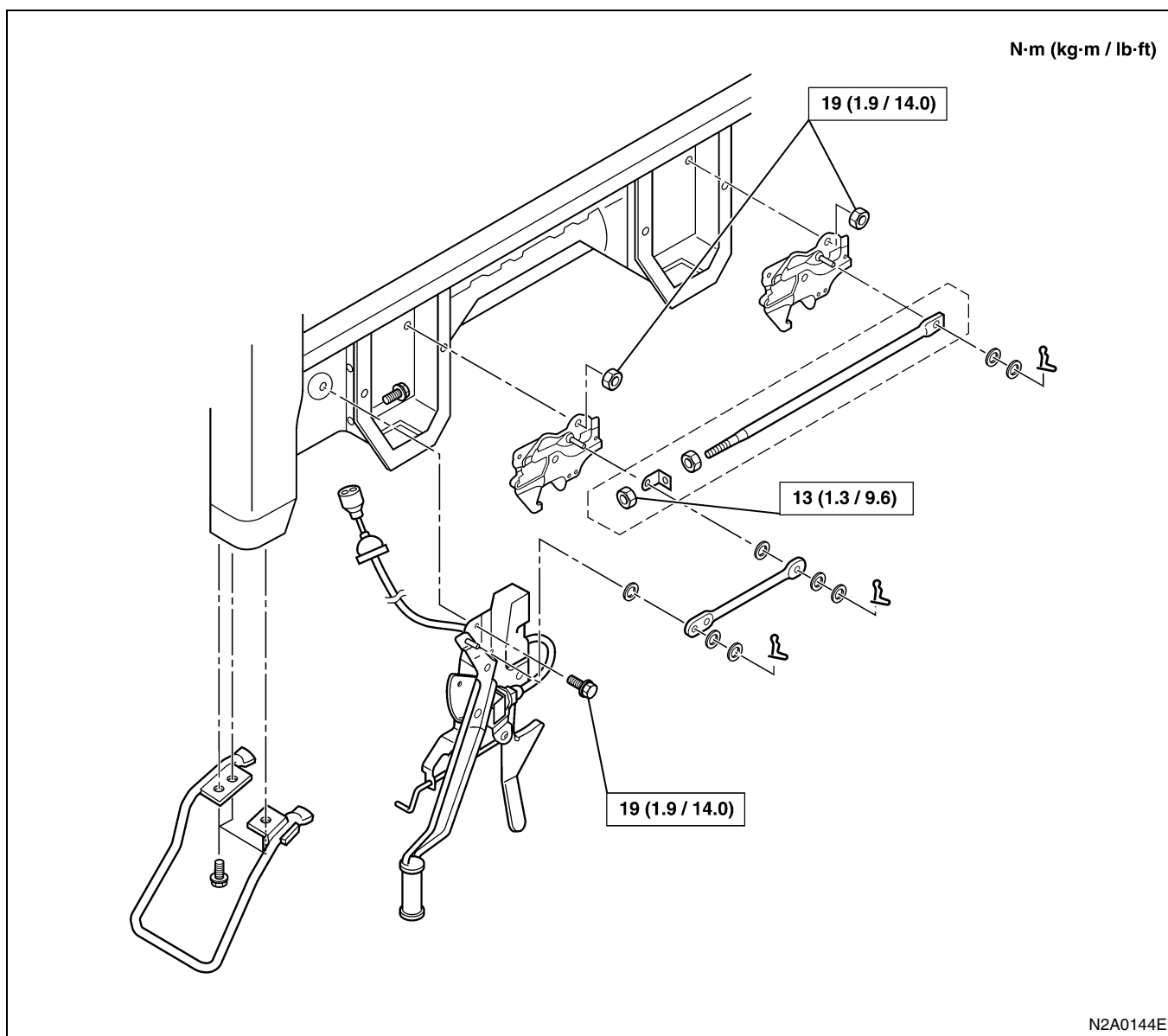
- Move the control lever (1) "a" to "b". While holding "c" attached to the bracket (4), adjust the lock nut "e" and "f". And then tighten to the specified torque so that both "c" and "d" contact to the bracket.

Tighten:

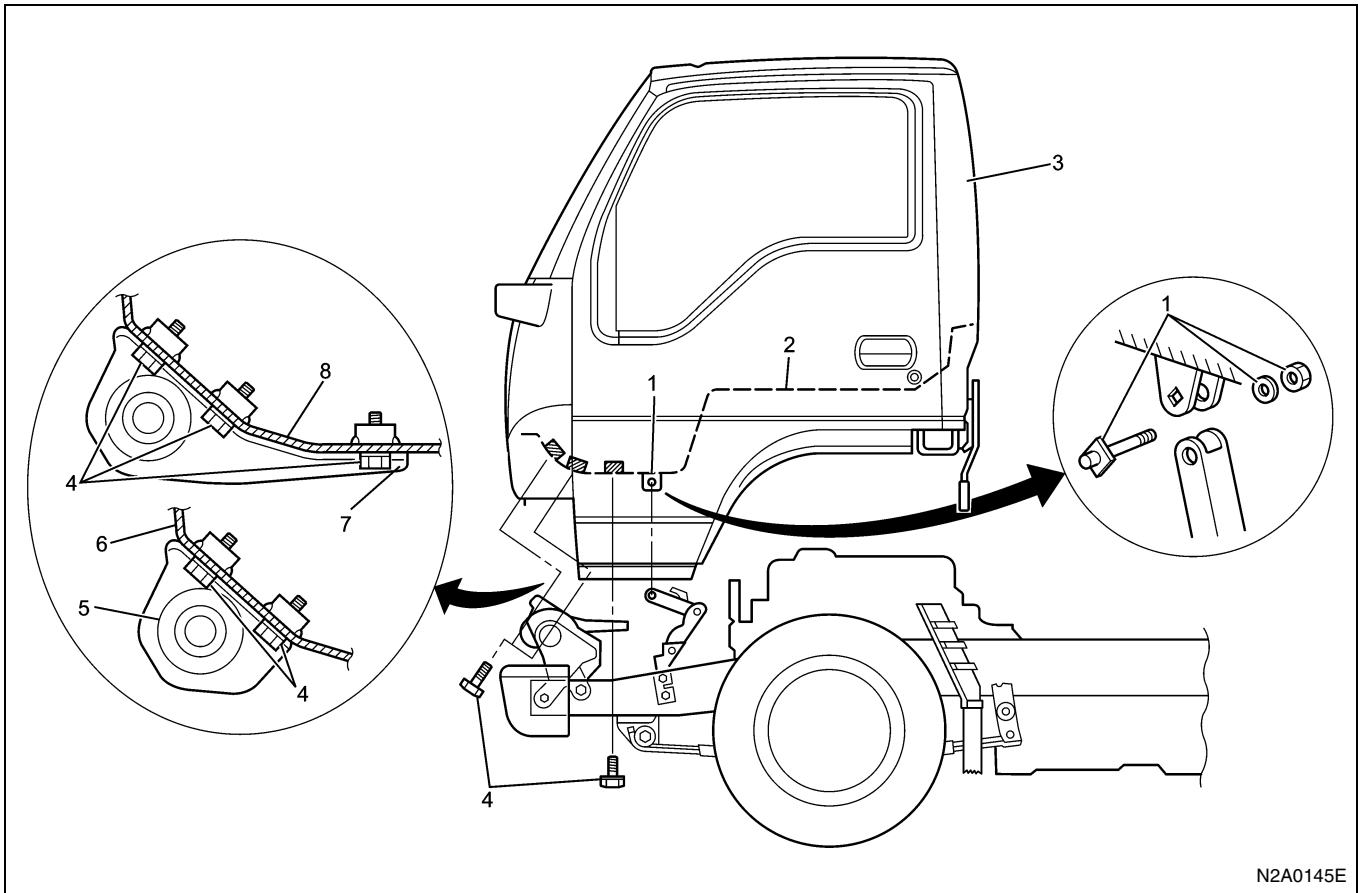
Lock nut to 13 N·m (1.3 kg·m/9.6 lb·ft)



Fixing Torque



Removal and Installation of Cab Assembly



N2A0145E

Legend

- | | |
|--------------------------------------|--|
| 1. Cab stay pin/nut (Tilt cab model) | 5. Frame side mounting lever (Non-tilt cab model) |
| 2. Floor | 6. Cab side front mounting rail (Non-tilt cab model) |
| 3. Cab assembly | 7. Frame side front mounting lever (Tilt cab model) |
| 4. Cab fixing bolt | 8. Cab side front mounting rail (Tilt cab model) |

Removal

Preparations

- Before removal or installation of the cab assembly, remove the following connections. The removal order is free. However, perform each step surely referring to each workshop manual.

- Heater hose/air conditioner piping
 - Refer to "Heater and Ventilator" and "Air Conditioner".
- Accelerator control cable
 - Refer to "Fuel System" in Section 6C. Perform the work surely according to the procedure fit for the mounted engine.
- Brake fluid piping
 - Refer to "Hydraulic Brake".
- Hydraulic clutch piping
 - Refer to "Clutch".
- Gear control cable
 - Refer to "Gear Control Cable".

Perform the work surely according to the procedure fit for the mounted engine.

- Parking brake control cable
 - Refer to "Parking Brake".
- Steering linkage
 - Refer to "Steering Linkage".
- Harness connector/frame earth bolt
 - Refer to "Electrical Equipment".
- PTO control cable
 - Refer to "Power take-off (PTO)". Perform the work surely according to the procedure fit for each type of PTO.
 - After disconnecting all the above connections, tilt the cab for a tilt cab vehicle or remove the rear mounting connection for a non-tilt vehicle. For removal of the rear mounting, refer to "Cab mounting" in this Section.
- Cab stay pin and nut (tilt cab vehicle)
- Cab mounting bolt
- Cab assembly

Installation

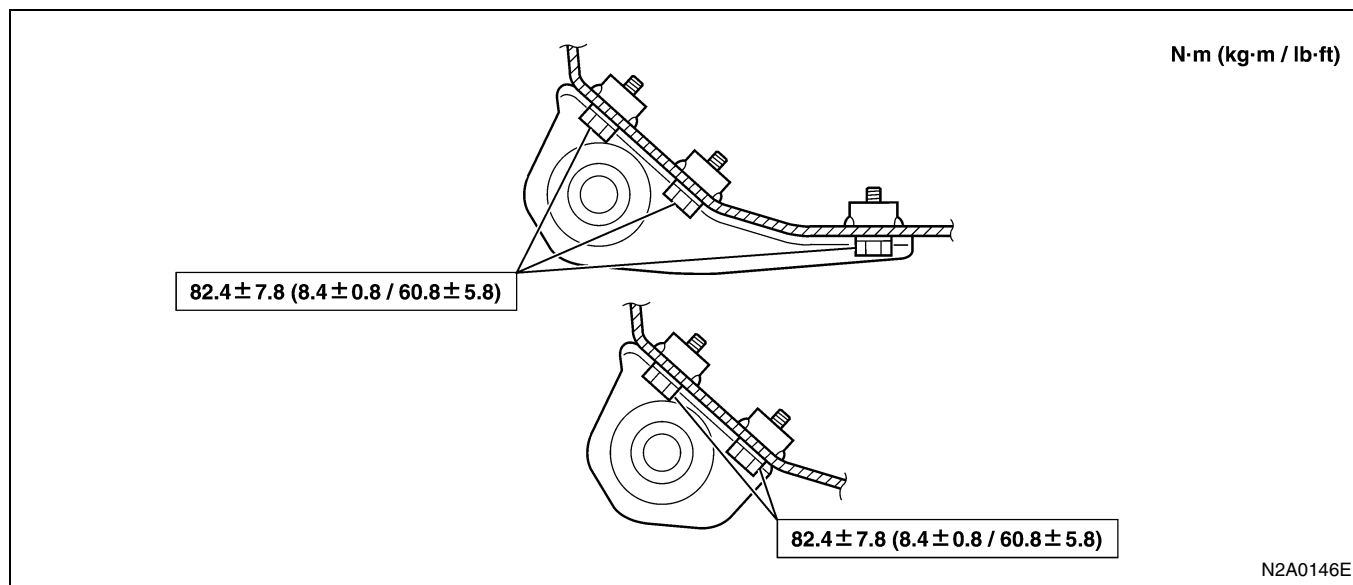
For installation, reverse the removal procedure taking the following point into consideration.

- Tighten the cab mounting bolt to the specified torque.

Tighten:

82.4 ± 7.8 N·m (8.4 ± 0.8 kg·m/ 60.8 ± 5.8 lb·ft)

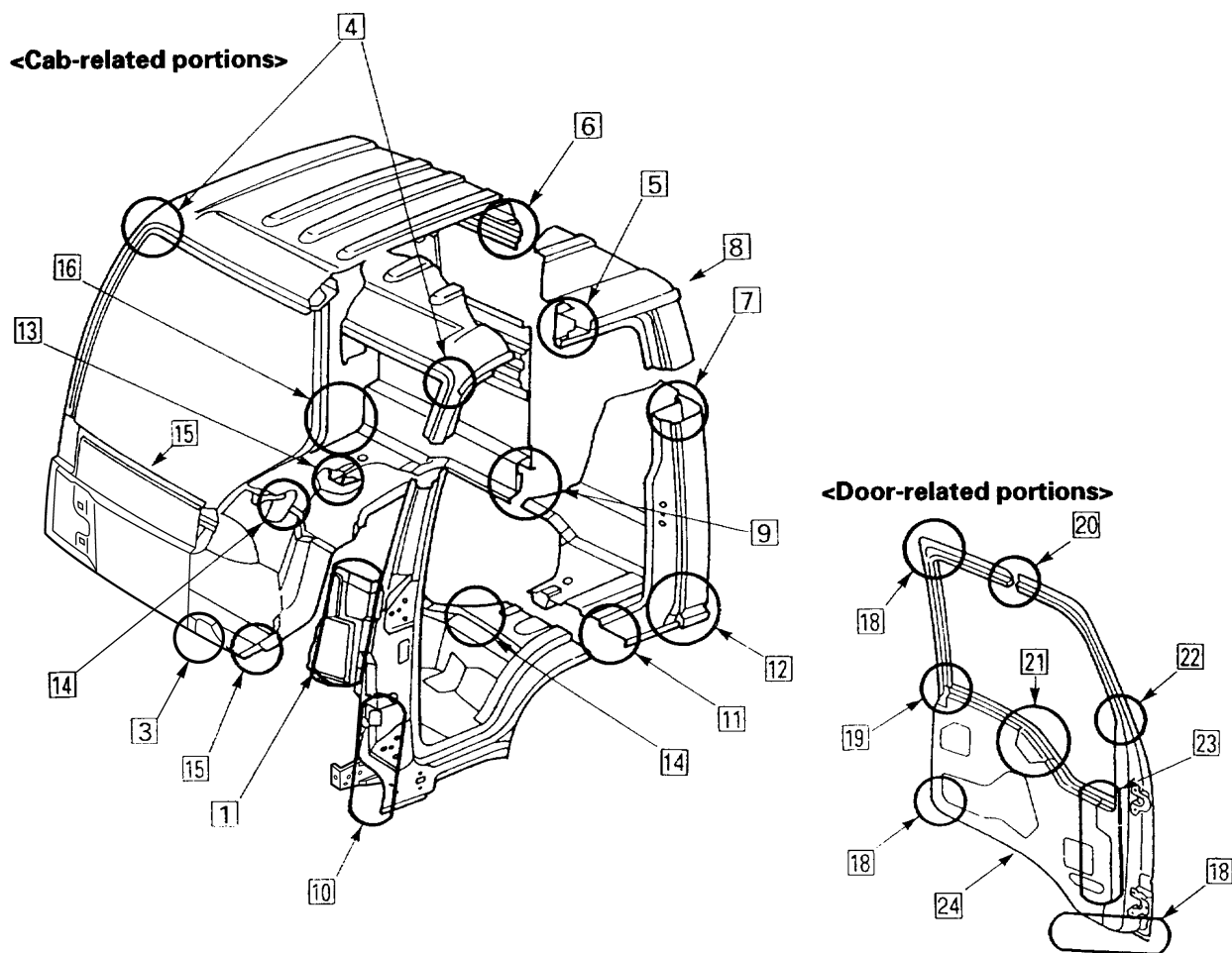
Fixing Torque



BODY PANEL SEALING (SINGLE CAB MODEL)

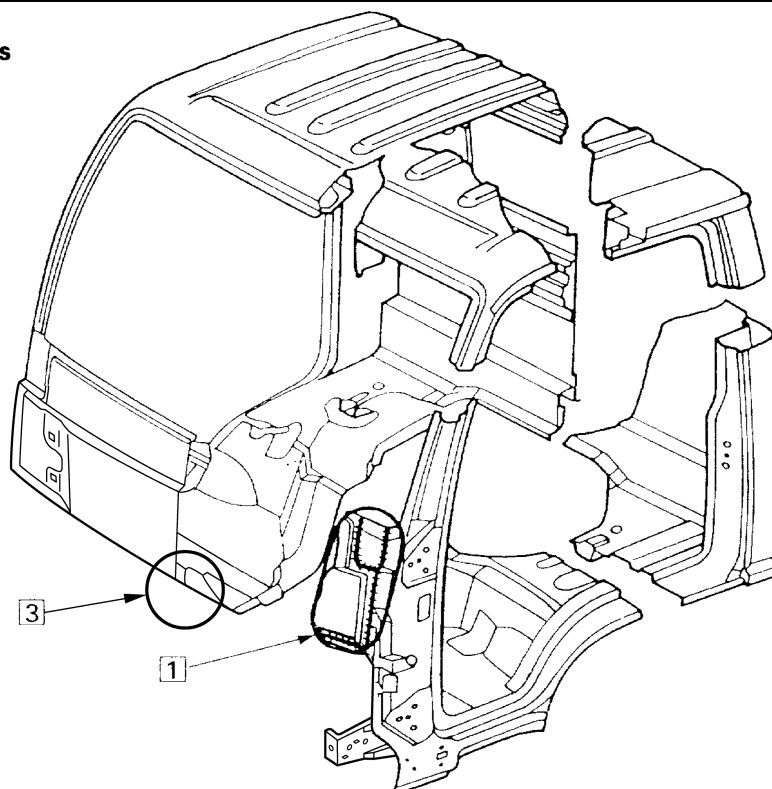
This paragraph describes body panel sealing. The sealing procedure described in this text should be performed as follows.

Purpose	1	Anti-rust	2	Air-water tightness	3	Sound insulation
External finish	A	Specially important	B	Important	C	Common
Sealing range						
Vehicle model	N	Narrow cab	W	Wide cab		

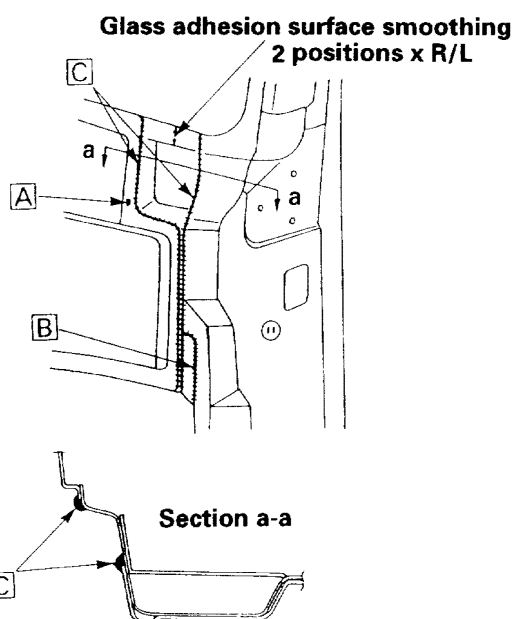


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Front-related portions

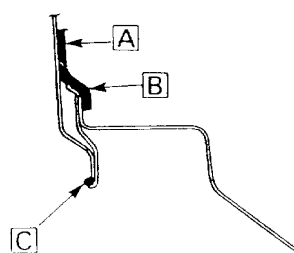


1



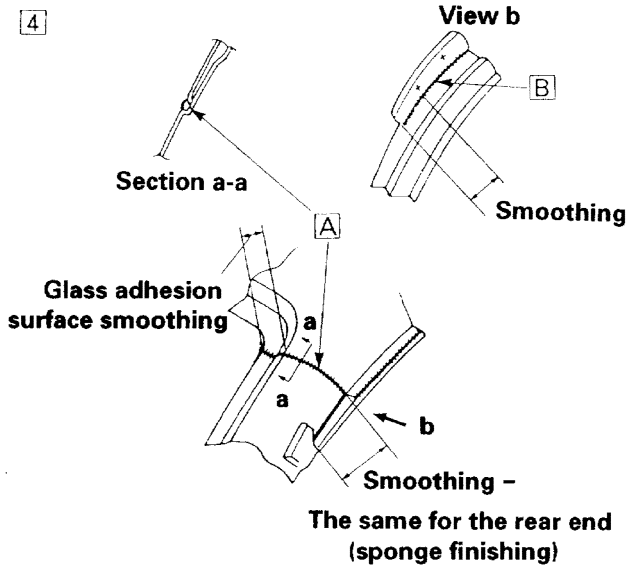
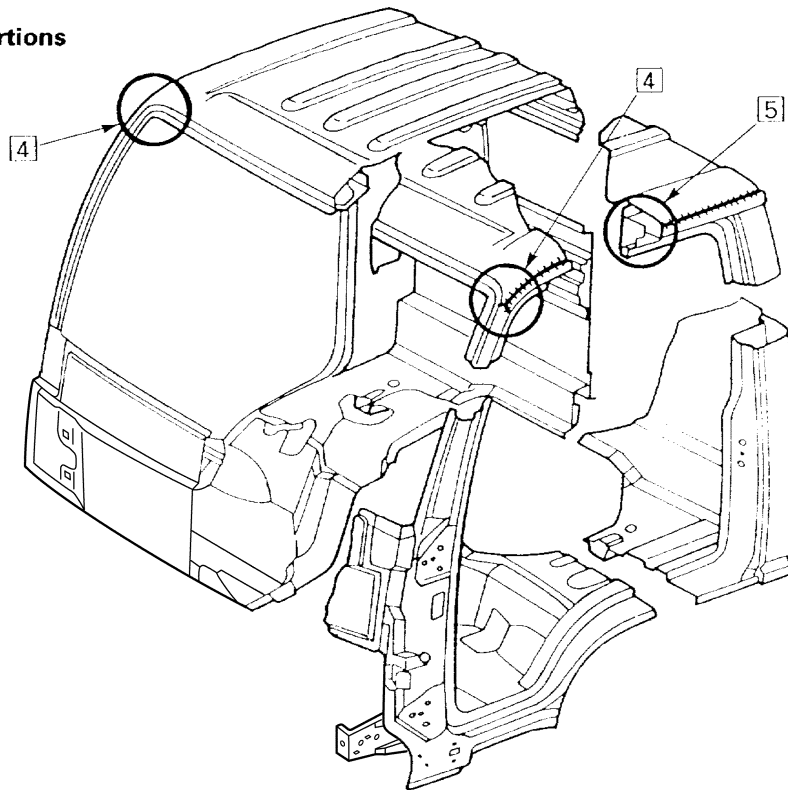
- A:** Center front panel location hole $\varnothing 12$ (l = 38) x 2
 - B:** Hinge lower reinforcement + side panel junction l = 75 x 2
 - C:** Center front panel + hinge reinforcement junction
Side panel + hinge reinforcement junction
l = 800 x 2 ①, ②-③
- ※ The indicated portion should be smoothed.

3

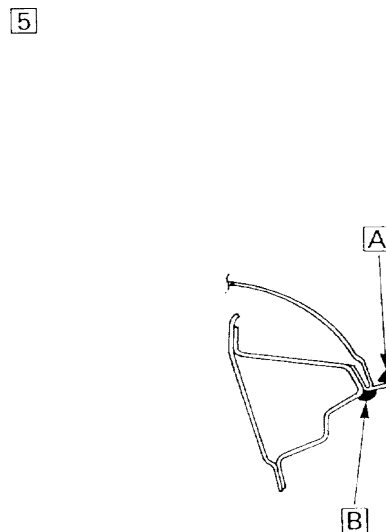


- A:** Center floor panel to front mounting rail
Extension + front floor panel melting sheet
sticking
- B:** Front mounting extension + front mounting rail
junction Sealing ②-③
- C:** Center front panel + front mounting
extension junction Sealing ①, ②-③

Roof-related portions

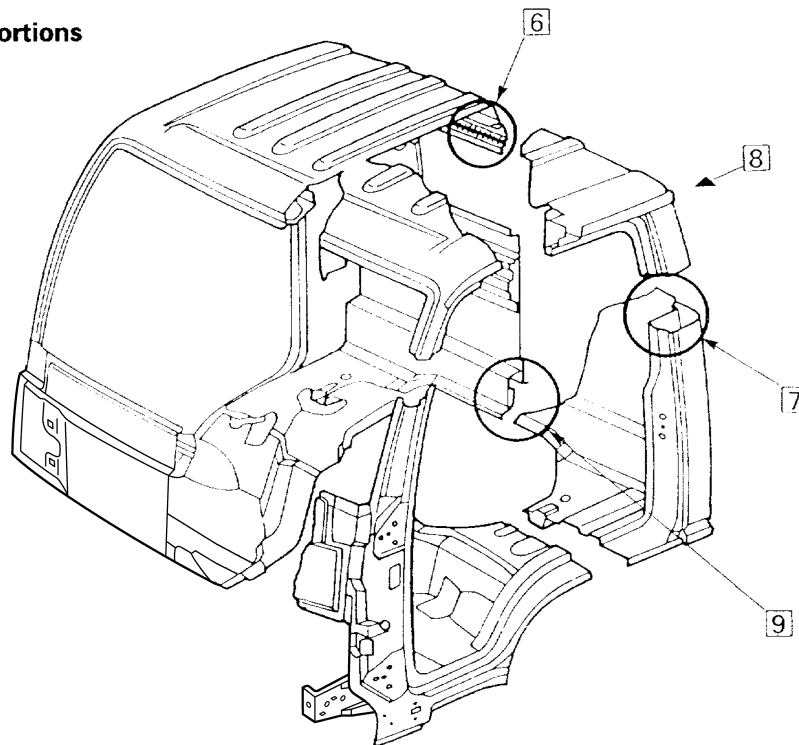


- [A]: Side panel + roof panel + side drip junction**
 I = 120 x 2 ①-A
 ※Perform finishing without any corrugation or curvature.
 The indicated portion should be smoothed.
- [B]: Side panel + side drip junction**
 ①, ②-A
 I = 1040 x 2
 ※The indicated portion should be smoothed.

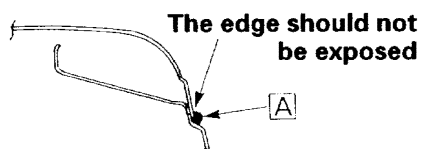


- [A]: Roof panel + side drip junction**
 ①, ②-C
 I = 1000 x 2
 ※No break should be found on sealing.
- [B]: Refer to [4]-[B]**

Back panel-related portions

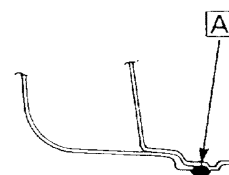


6



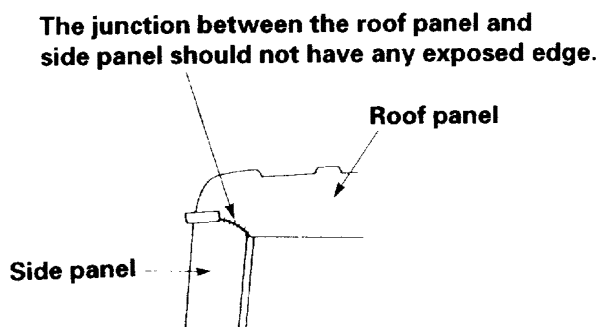
A: Roof panel + back panel junction
 Narrow cab I = 1300 ①, ②-A
 Wide cab I = 1720

7

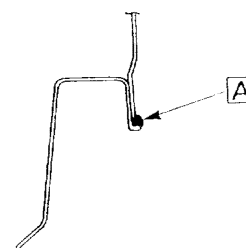


A: Side panel + back panel junction
 ①, ②-A
 I = 845 x 2
 ※Uniformity is required without any corrugation.

8

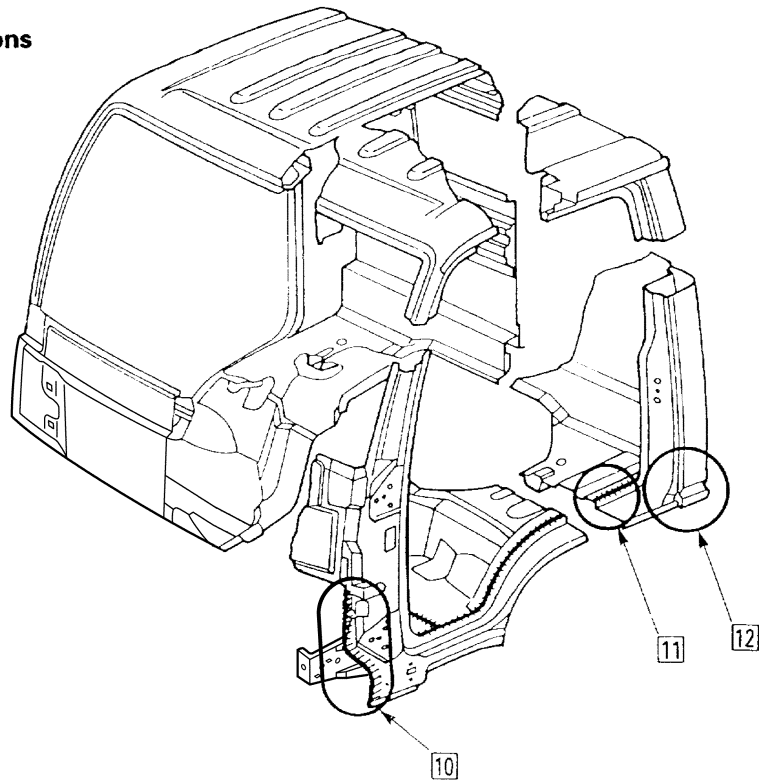


9

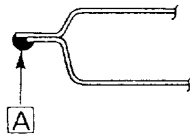


A: Back panel + rear mounting rail junction
 Narrow cab I = 1320
 Wide cab I = 1700
 ※Uniformity should be required without any corrugation.

Side panel-related portions

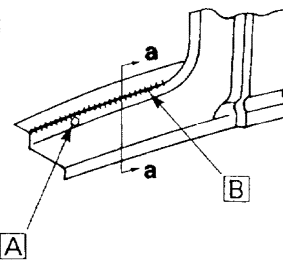


10



A: Side panel + hinge lower reinforcement junction
 $l = 300 \times 2$ ②-C

11

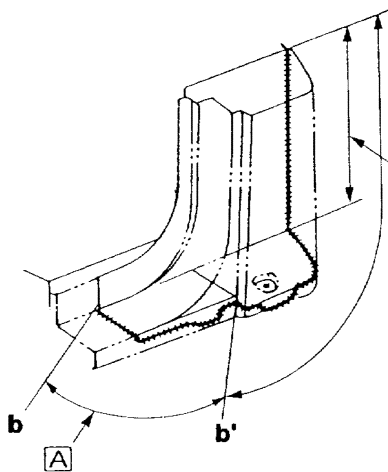


Section a-a

B

A: Side panel location hole periphery
 $\phi 8 (l = 25) \times 2$ ①-C
 ※Don't block up the hole.
B: Side panel + floor panel junction
 $l = 1000 \times 2$ ②-C

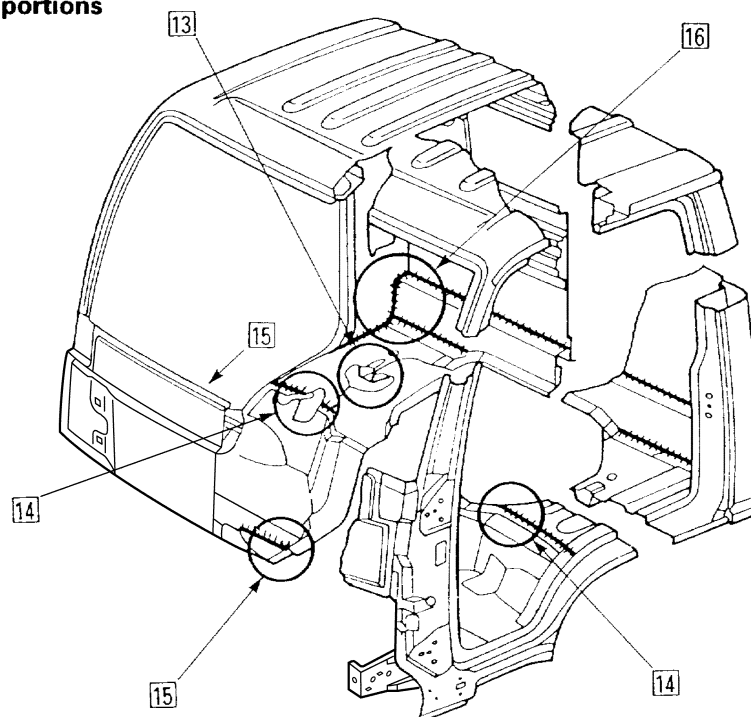
12



A: Side panel + rear pillar lower closing junction
 $l = 280 \times 2$ ①,②,③-C
 ※Completely fill up the clearance between b and b'.

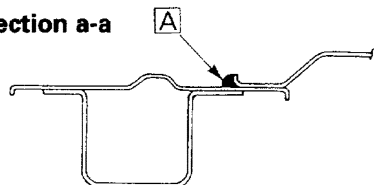
This section should not have any exposed edge.

Floor panel-related portions



13

Section a-a



A: Support cover + floor panel + rear mounting rail junction periphery (tilt vehicle only)

Narrow cab I = 1580 ②-C

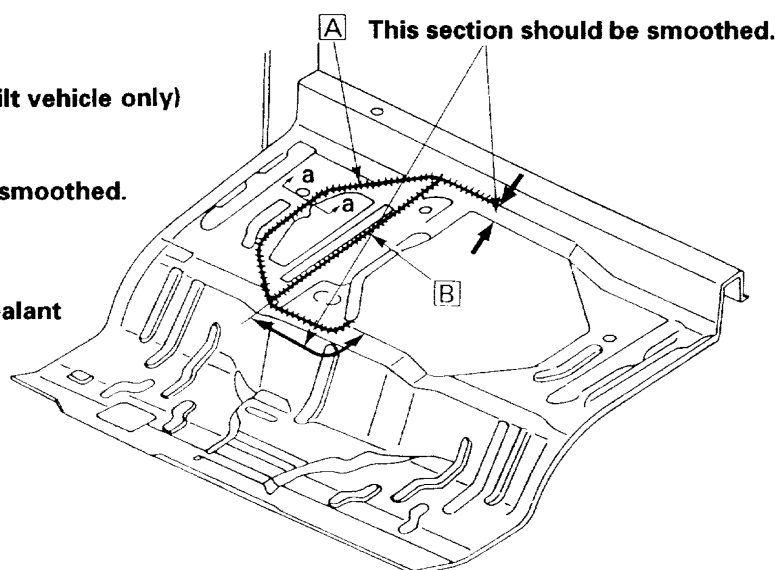
Wide cab I = 1760

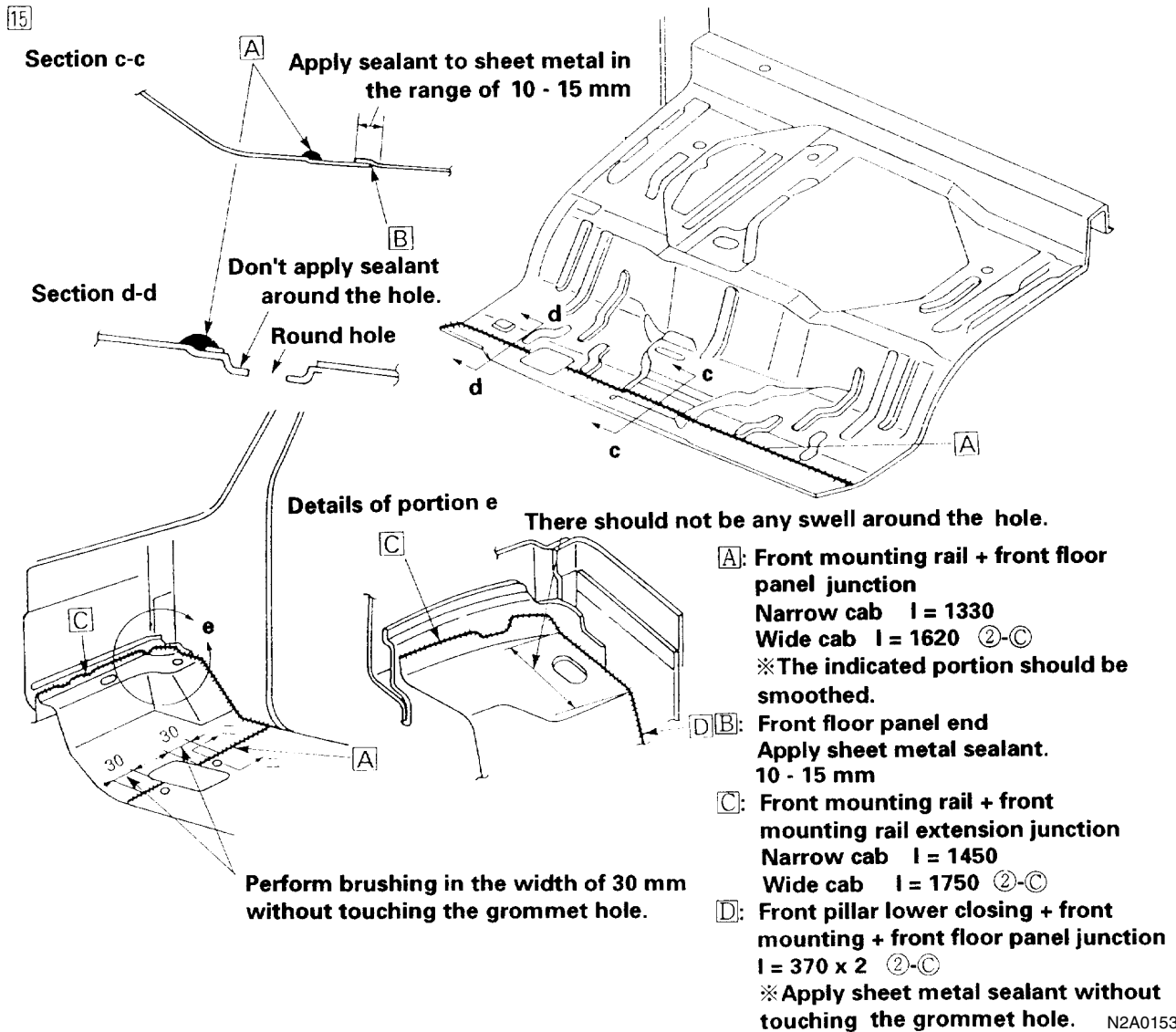
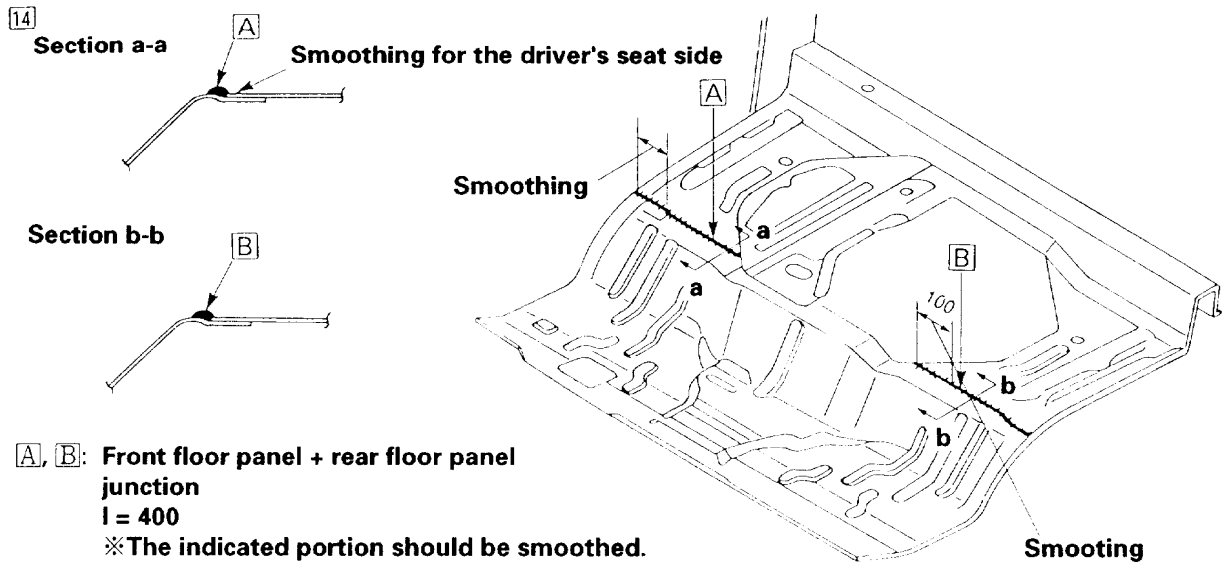
※The indicated portion should be smoothed.

B: Support cover + engine lever reinforcement junction

I = 720 ②-C

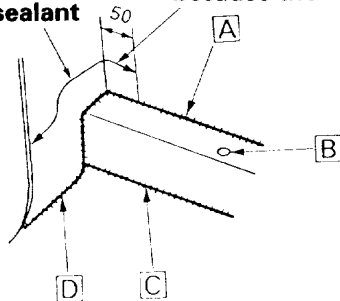
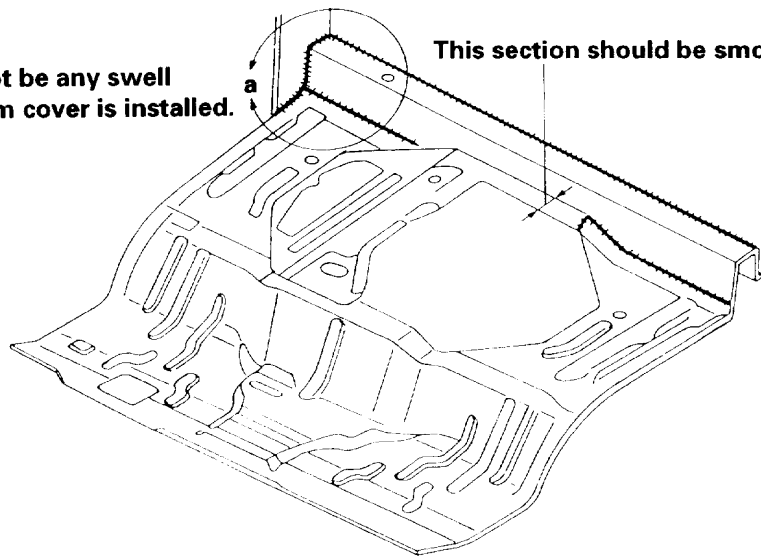
※Perform finishing without any sealant break or clearance.





16

Details of portion a

Sheet metal
sealant

There should not be any swell
because the trim cover is installed.


[A]: Rear mounting rail + back panel junction

Narrow cab I = 1320 ①,②-③

※The indicated portion should be smoothed.
Perform finishing without any clearance
between both ends.

[B]: Rear mounting rail location hole

 $\phi 20$ (I = 63) x 2 ②-③

[C]: Rear floor panel + rear mounting rail junction

I = 460 x 2 ②-③

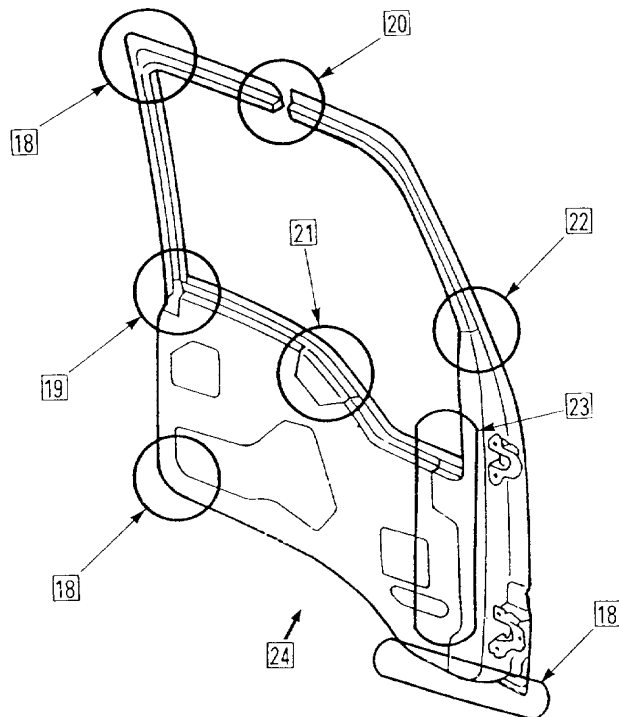
※The indicated portion should be smoothed,

[D]: Rear pillar lower closing + rear floor panel + rear mounting rail junction

I = 590 x 2 ②-③

※Sheet metal sealant

Door-related portions



18

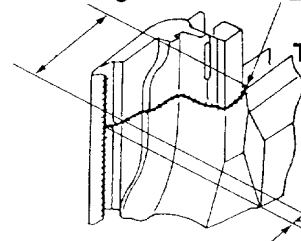
Perform smoothing for the outer periphery of the door panel

Smooth in this direction.

A: Door outer panel + door inner panel junction
 $l = 4970 \times 2$ ①, ②-A
 ※The indicated portion should be smoothed.

19

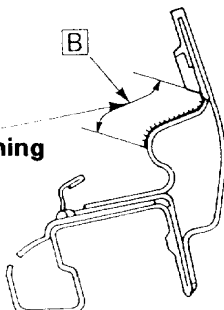
Perform smoothing



This section does not need finishing because it has a panel clearance.

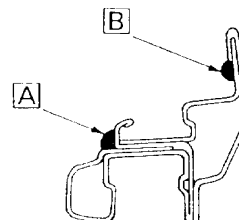
A: Door outer panel + door sash junction
 $l = 120 \times 2$ ①, ②-A
 ※Be careful about finishing.

Perform smoothing without any exposed edge in this range.



B: Door sash rear + door sash front junction
 ①-A
 ※The indicated portion should be smoothed.

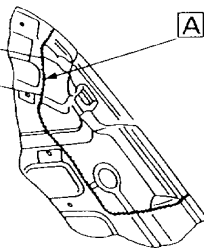
20



A: Door sash junction
 ①-C
B: Refer to 18-A

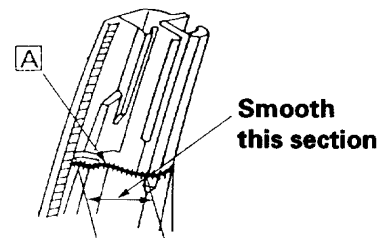
21

Smooth
this section.



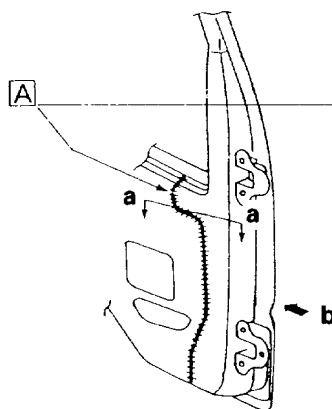
- A:** Door inner panel + door pull handle reinforcement junction
I = 400 x 2 ②-C
※ The indicated portion should be smoothed.

22

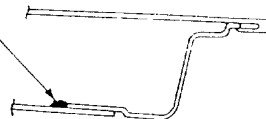


- A:** Door inner panel + door frame ASM junction
①, ②-A
※ The indicated portion should be smoothed.

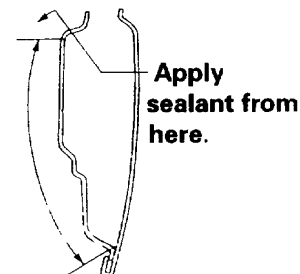
23



Section a-a



View b

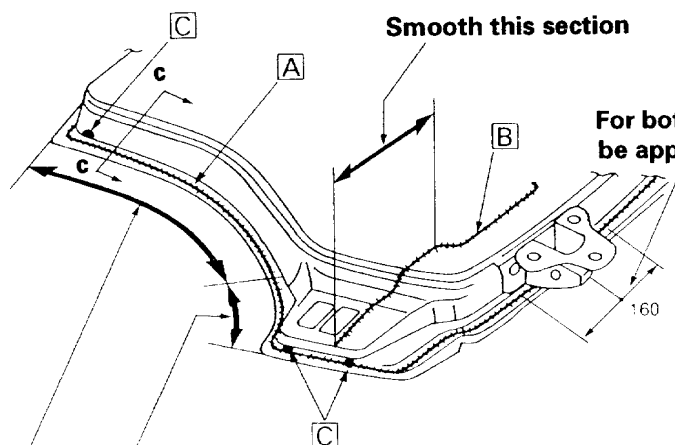


- A:** Door inner front panel + door inner rear panel junction
①, ②-A
I = 775 x 2
※ The indicated portion should be smoothed.

Apply sealant from here.

Sheet metal sealant

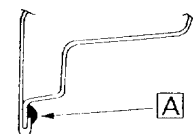
24



Smooth this section

For both upper and lower parts, no sealant may be applied to the up/down side of the hinge.

Section c-c



Brush this section evenly.
This section should be finished without any exposed edge.
The height should be limited to 2 mm or less.

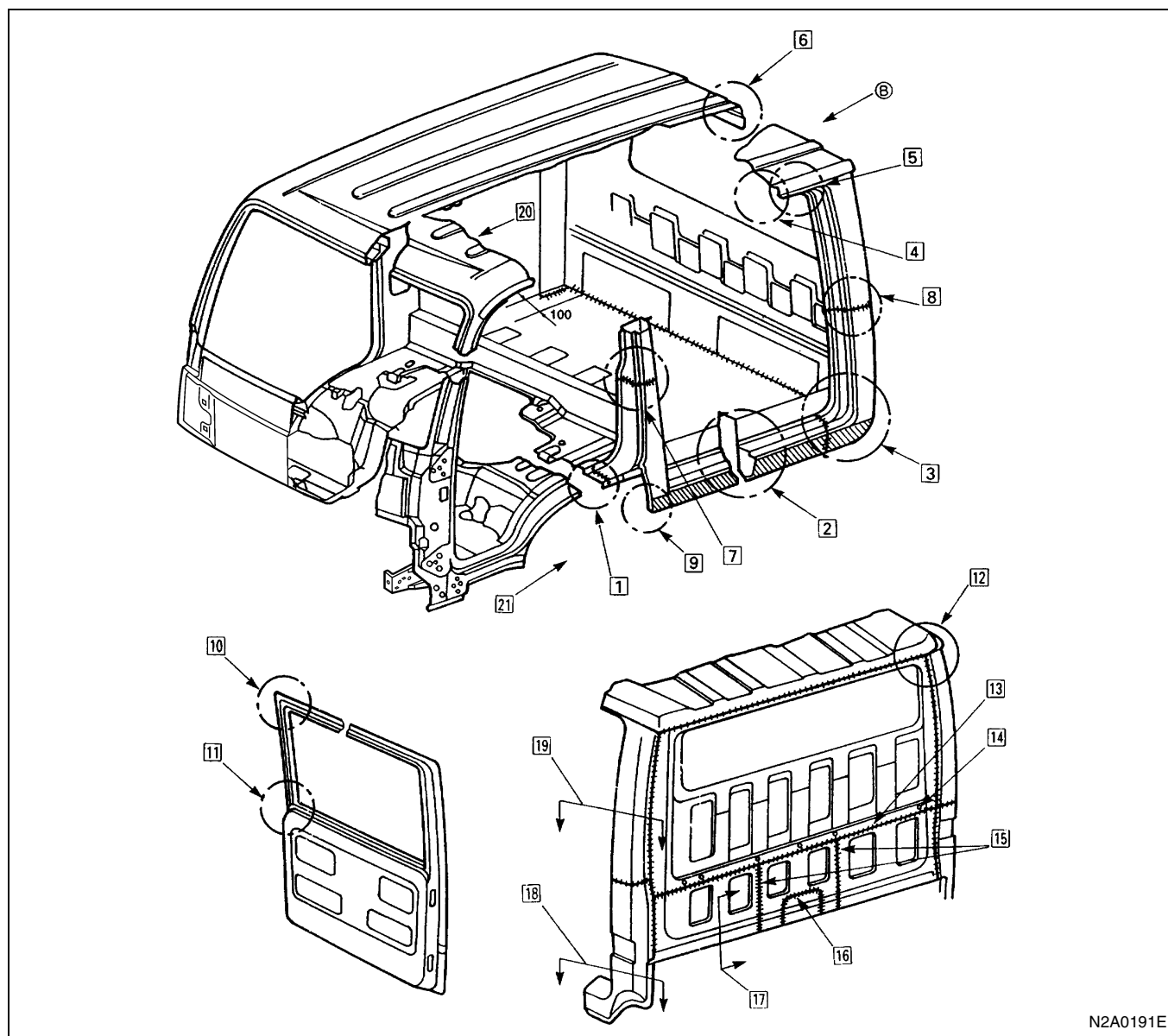
- A:** Refer to 18-A.
B: Refer to 23-A.
C: Door outer panel + door inner panel junction drain hole
I = 30 x 3 positions x 2

BODY PANEL SEALING (CREW CAB MODEL)

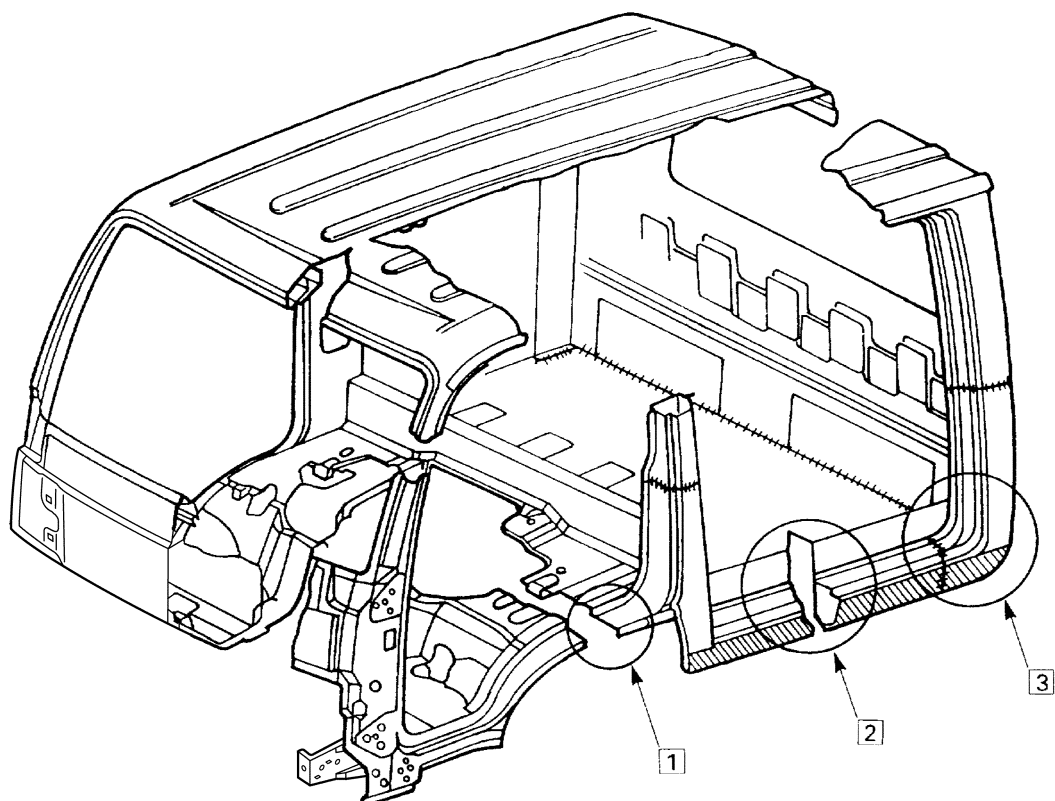
This Chapter describes the sealing procedure for body panel.

The sealing procedure described in the text should conform to the following.

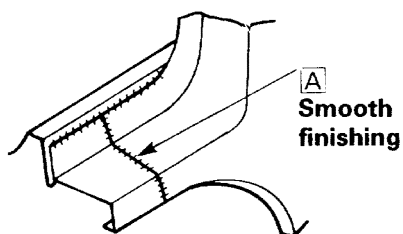
Purpose	1	Rust prevention	2	Air-tightness and water-tightness	3	Sound insulation
External finish	A	Specially important	B	Important	C	Common
Sealing range						



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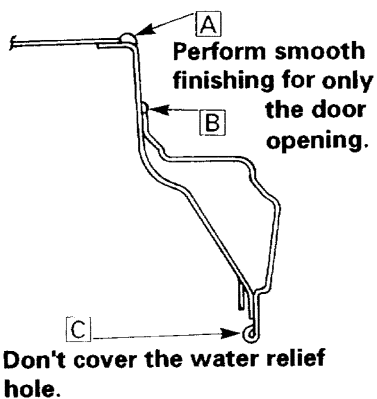


1



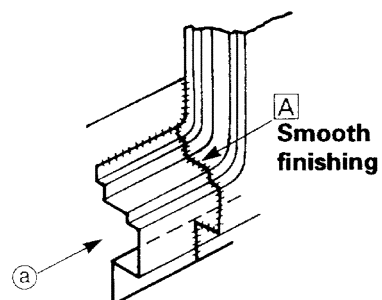
- A:** Floor panel + Side panel + Center pillar fitting.
①-B
*Perform smooth finishing.

2

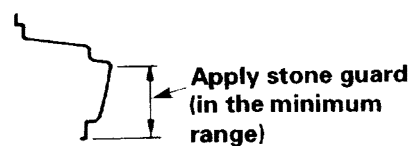


- A:** Rear floor panel + Floor side panel fitting
①, ②-B
*Perform smooth finishing for the door opening.
B: Outer sill + Floor side panel fitting
①
D: Outer sill + Floor side panel fitting
①-C
*Don't cover the water relief hole.

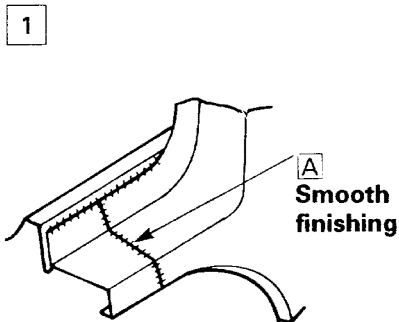
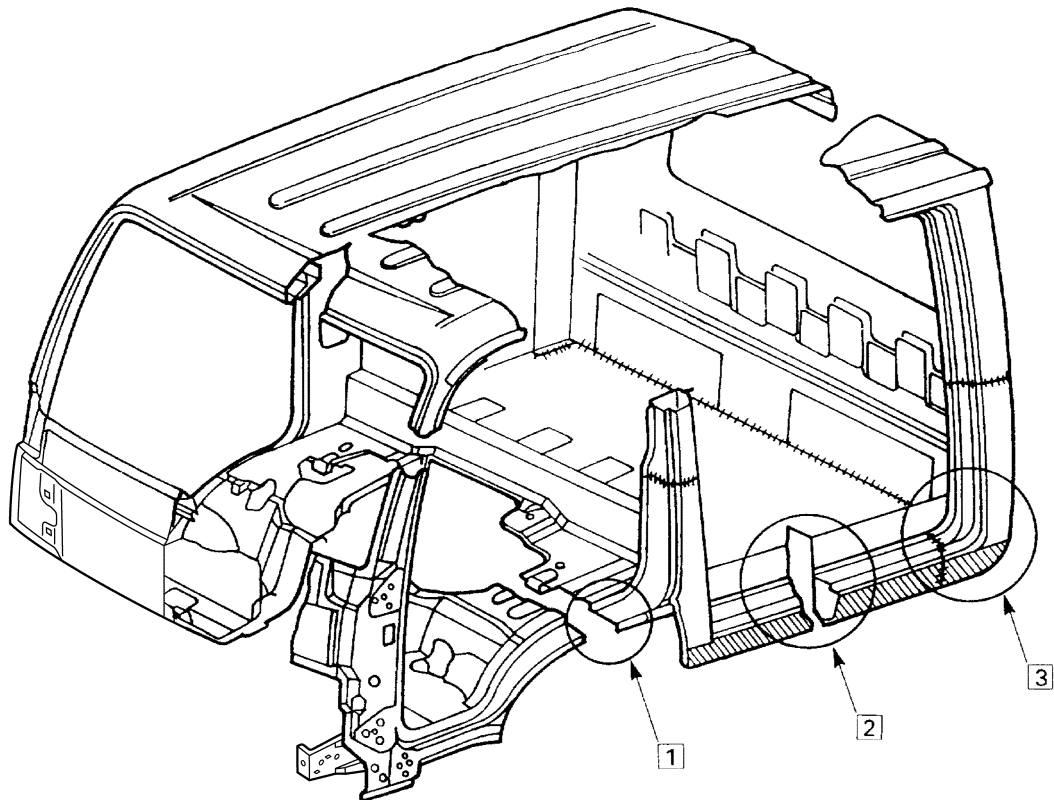
3



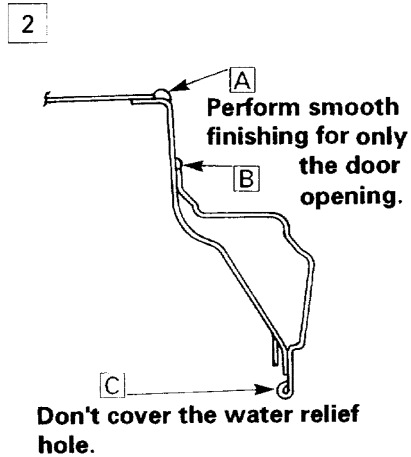
View (a)



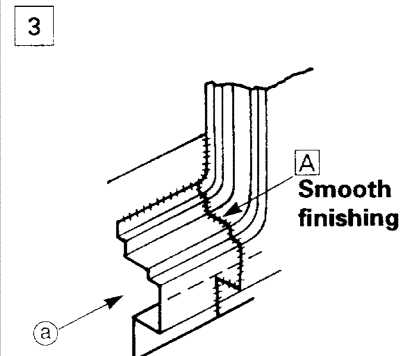
- A:** Rear pillar + Outer sill fitting
①-B
*Perform smooth finishing.



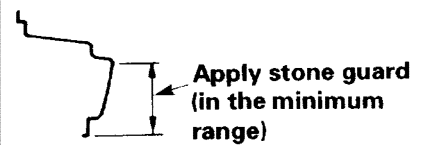
- A:** Floor panel + Side panel + Center pillar fitting.
①-B
※Perform smooth finishing.



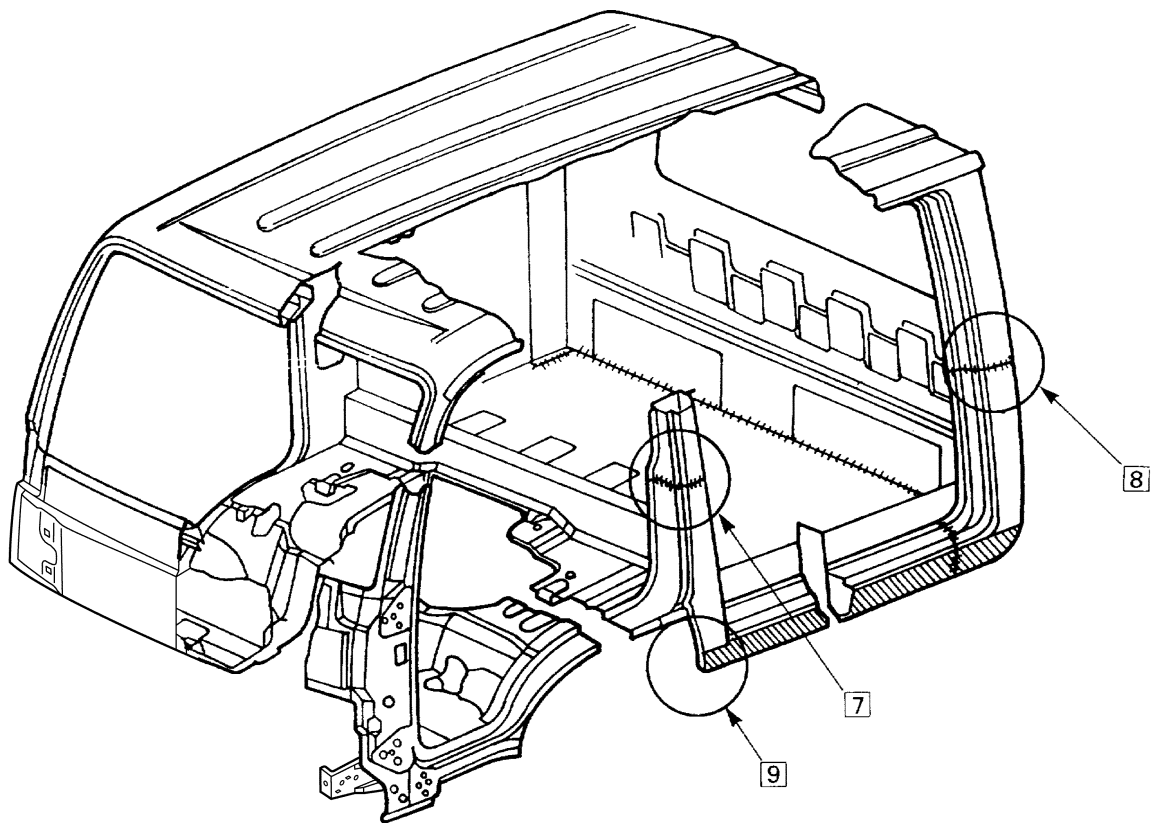
- A:** Rear floor panel + Floor side panel fitting
①, ②-B
※Perform smooth finishing for the door opening.
B: Outer sill + Floor side panel fitting
①
D: Outer sill + Floor side panel fitting
①-C
※Don't cover the water relief hole.



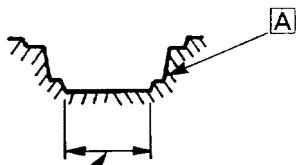
View (a)



- A:** Rear pillar + Outer sill fitting
①-B
※Perform smooth finishing.



7



Perform finishing paying special attention to this section.

A: Center pillar upper + Center pillar lower fitting
①, ②-A
※The indicated range is the most important in respect of external finishing.

8

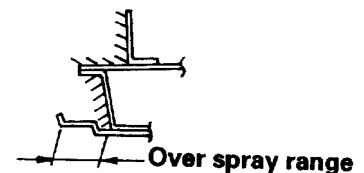
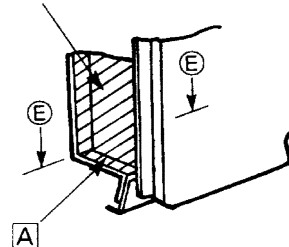


Perform finishing paying special attention to this section.

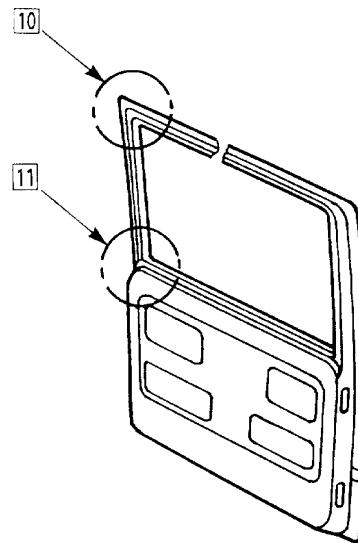
A: Rear pillar upper + Rear pillar lower fitting
①, ②-A
※The indicated range is the most important in respect of external finishing.

9

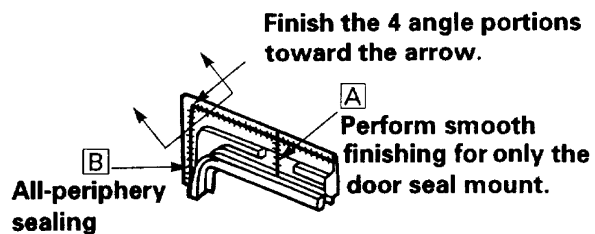
Under coat application range



A: Rear door hinge + Floor side panel + Center pillar lower fitting
①, ②-B



10



[A]: Door sash extension front + Door sash extension rear fitting

①-A

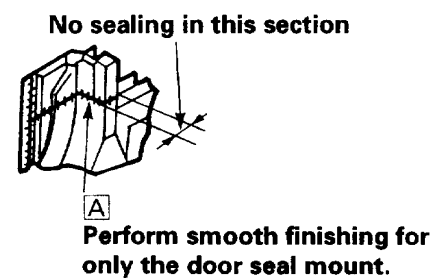
※Perform smooth finishing for only the door seal mount.

[B]: Door outer panel + Door inner panel fitting

①-A

※Perform sealing for all the periphery of the door. Finish the 4 angle portions toward the indicated arrow.

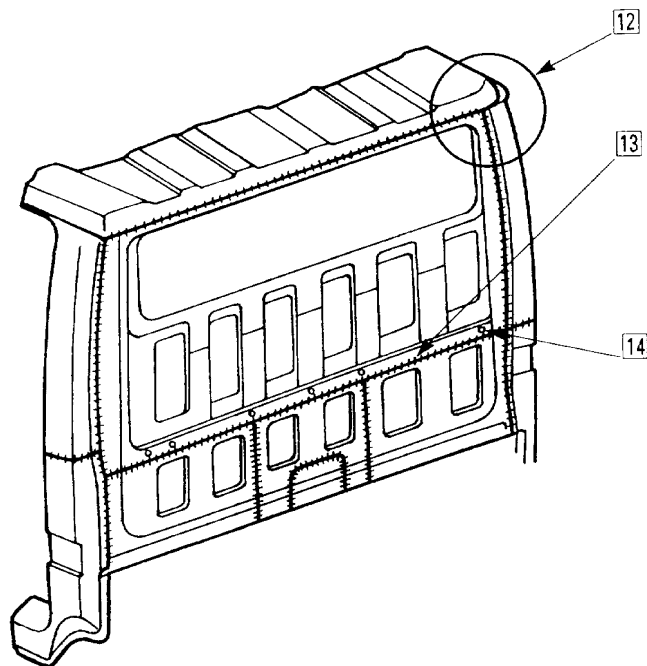
11



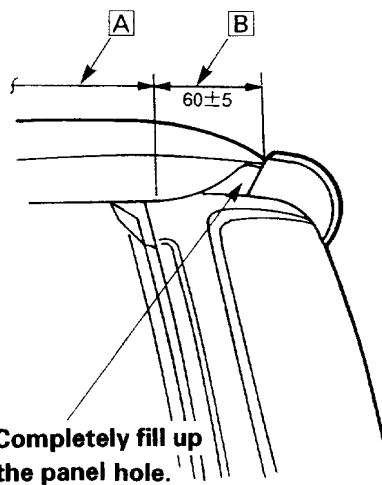
[A]: Door sash extension + Door inner panel fitting

①-A

※Perform smooth finishing for the door seal mount.



12

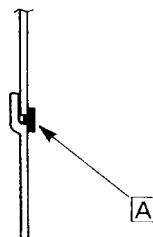


A: Roof panel + Back panel fitting
①, ②-C

B: Roof panel + Back panel fitting
①, ②-B

※Perform smooth finishing for the section from the end to a 60 ± 5 mm position and completely fill up the panel hole.

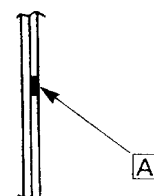
13



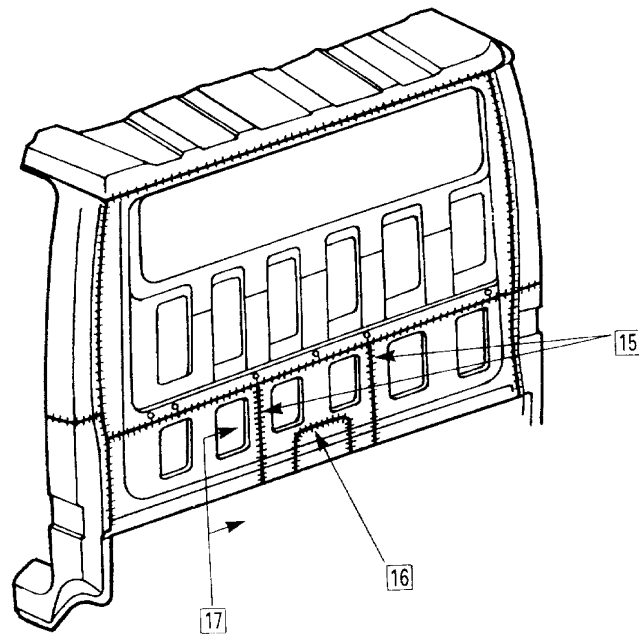
A: Back panel + Back panel lower fitting
①, ②-C

※Perform smooth finishing for the section from the end to a 5 ± 3 mm position and don't expose the panel edge.

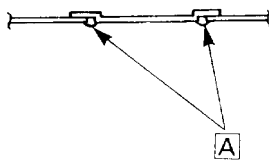
14



A: All the periphery of the back panel hole
①, ②-B

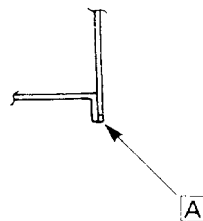


15 (Wide cab only)



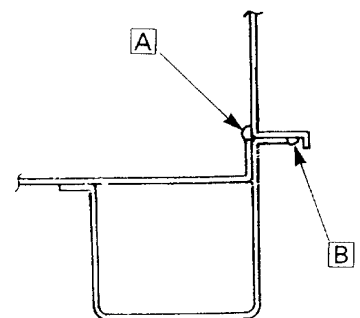
A: back panel lower side + Back panel center fitting
①, ②-C
※Don't expose the panel edge.

16 (Fire engine only)



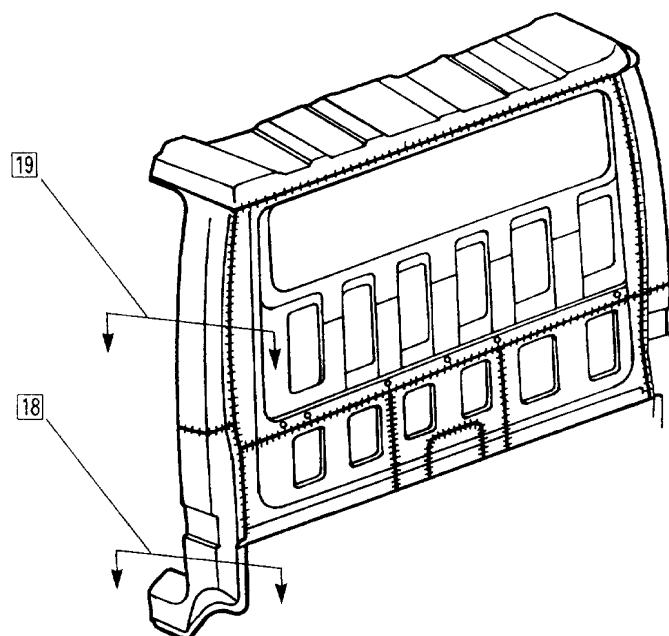
A: Back panel lower + P.T.O. cover fitting
①-C
※Fill up the panel angle securely with care because of its large gap.

17

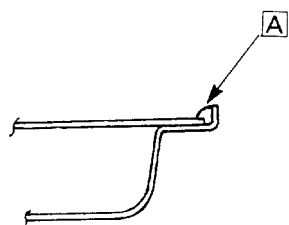


A: Back panel lower + Rear floor panel bolster fitting
②-B

B: Back panel + Rear bolster fitting
①-C

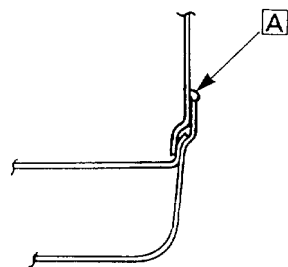


18

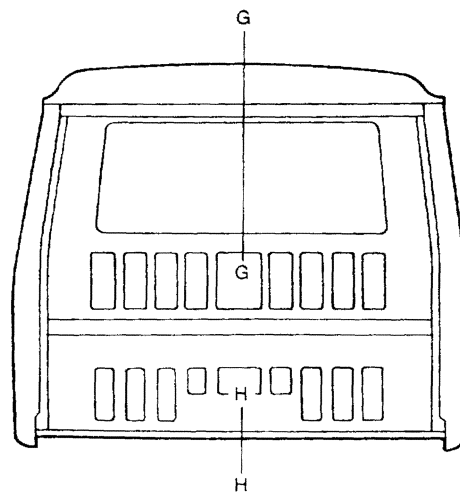
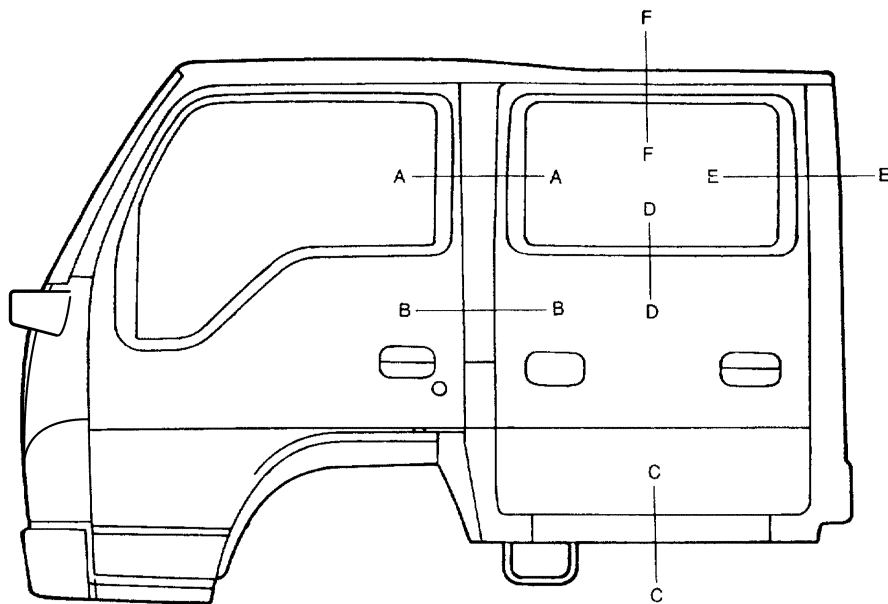


A: Front side panel + Rear pillar fitting
 ①, ②-B
 Refer to ②-C.

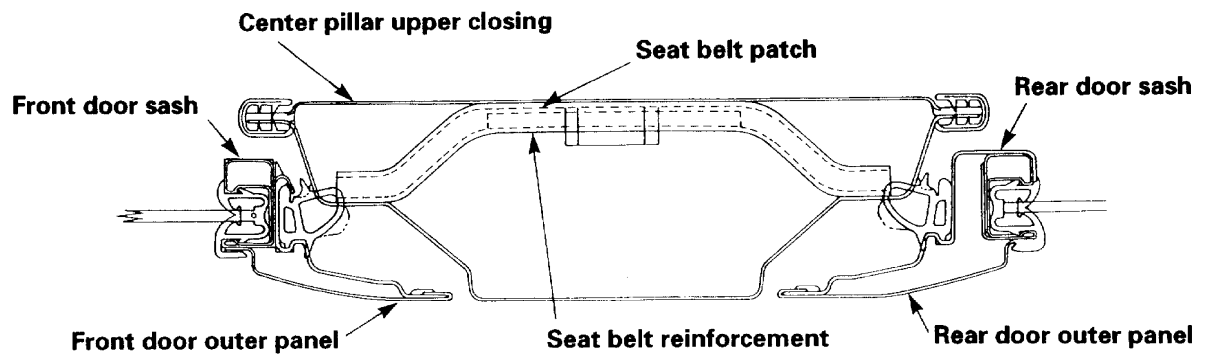
19



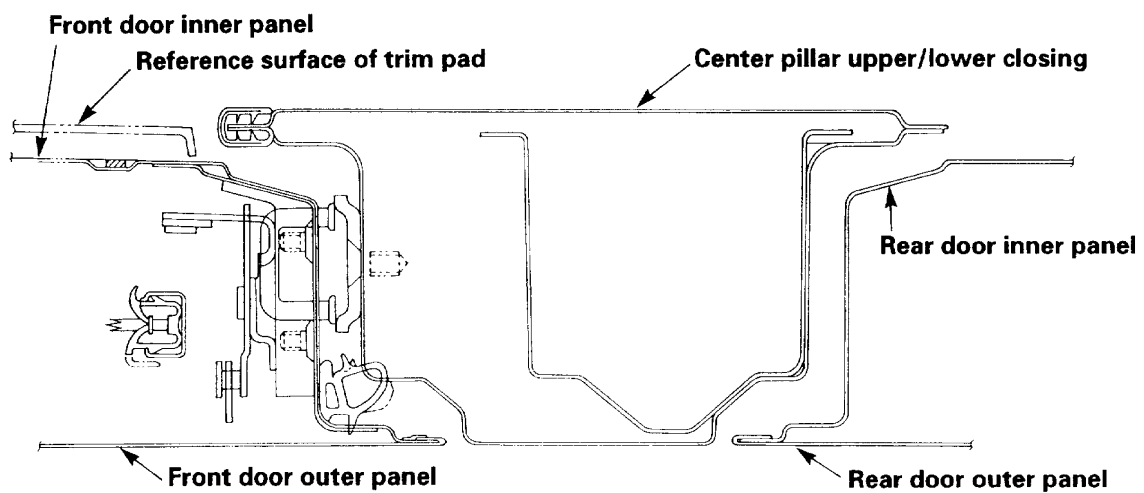
A: Rear pillar + Back panel fitting
 ①, ②-A



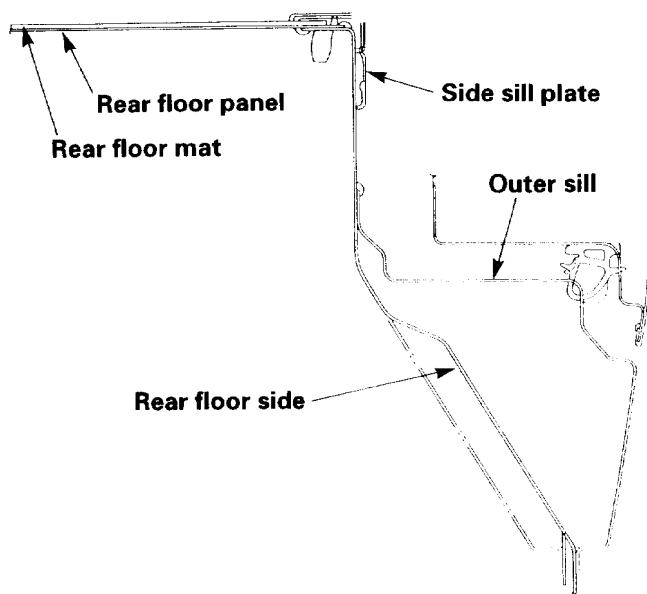
Section A-A



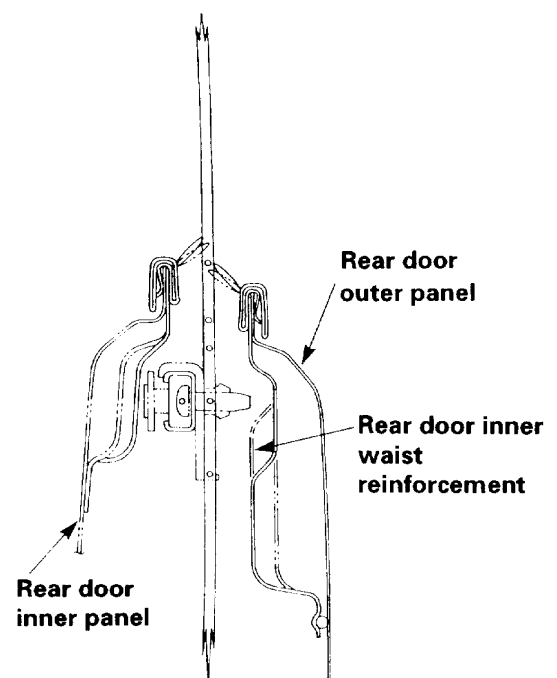
Section B-B



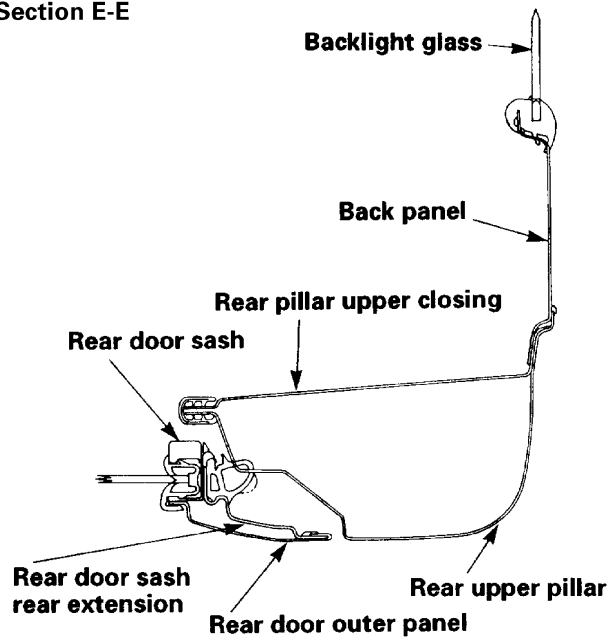
Section C-C



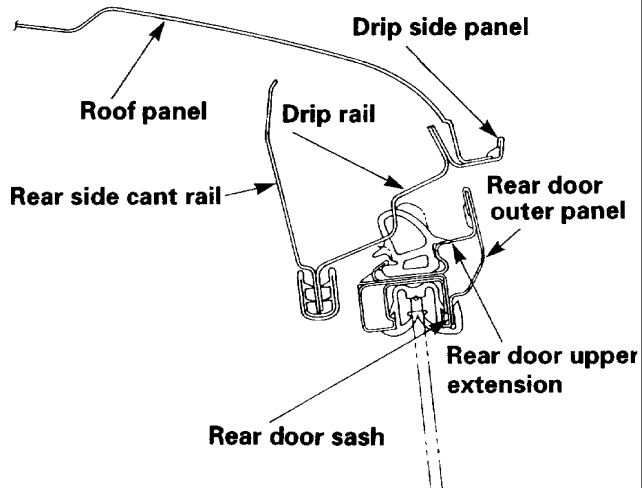
Section D-D



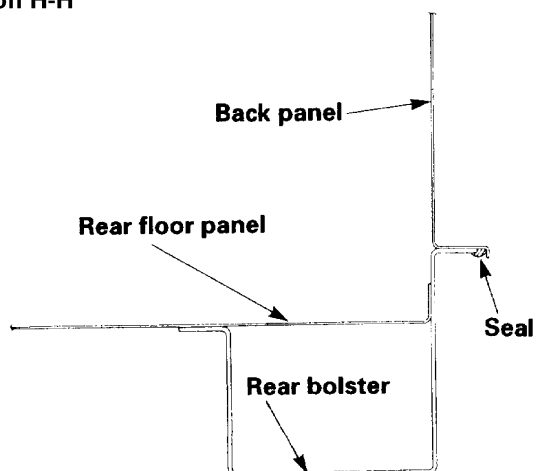
Section E-E



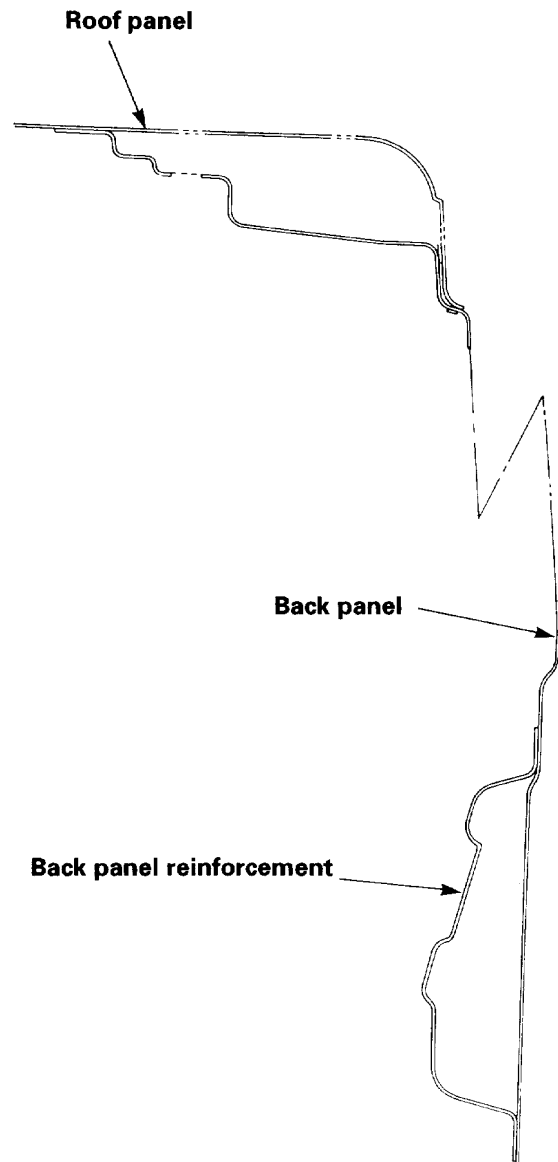
Section F-F



Section H-H

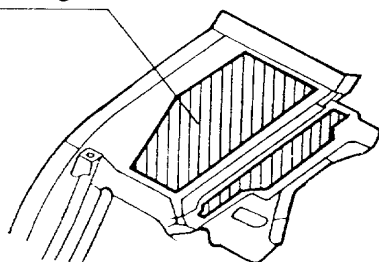


Section G-G

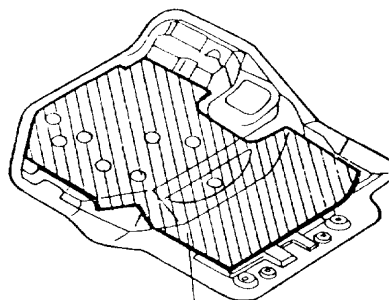


MELTING SHEET STICKING POSITIONS

**Melting sheet: Floor right side
(tilt type)**



Melting sheet: Engine cover



**Melting sheet: Floor right rear side
(non-tilt type)**

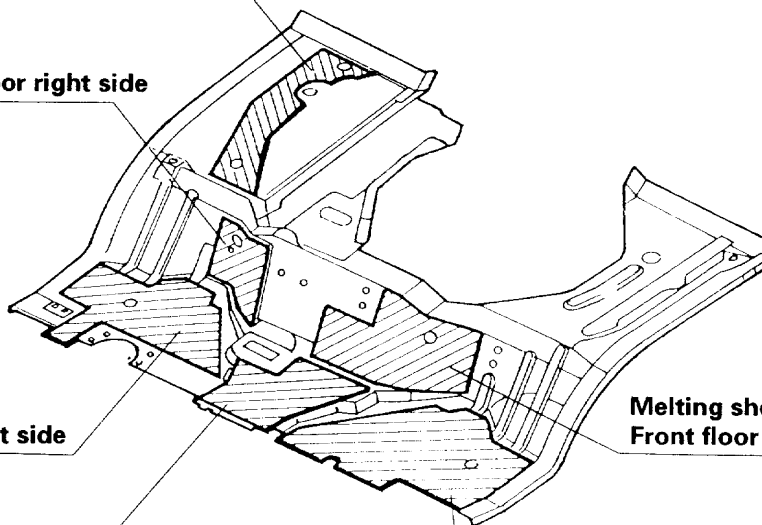
Melting sheet: Front floor right side

**Melting sheet:
Floor right front side**

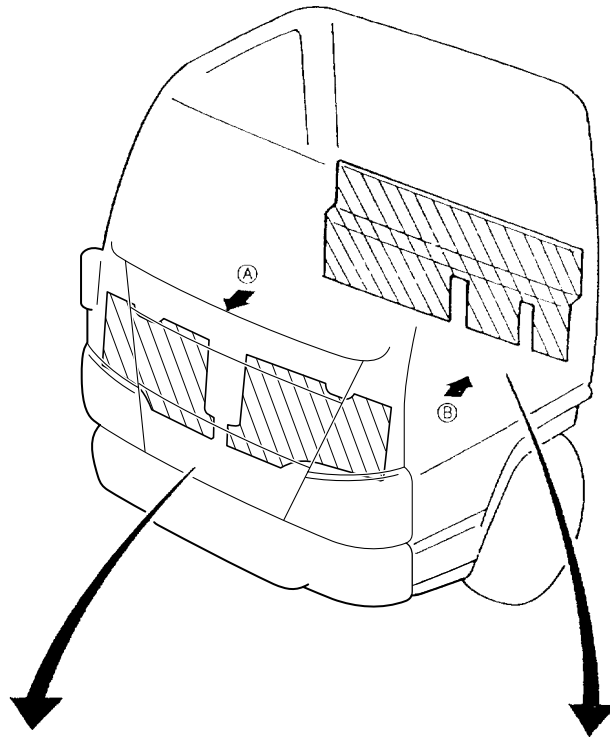
Melting sheet: Floor center

**Melting sheet:
Front floor left side**

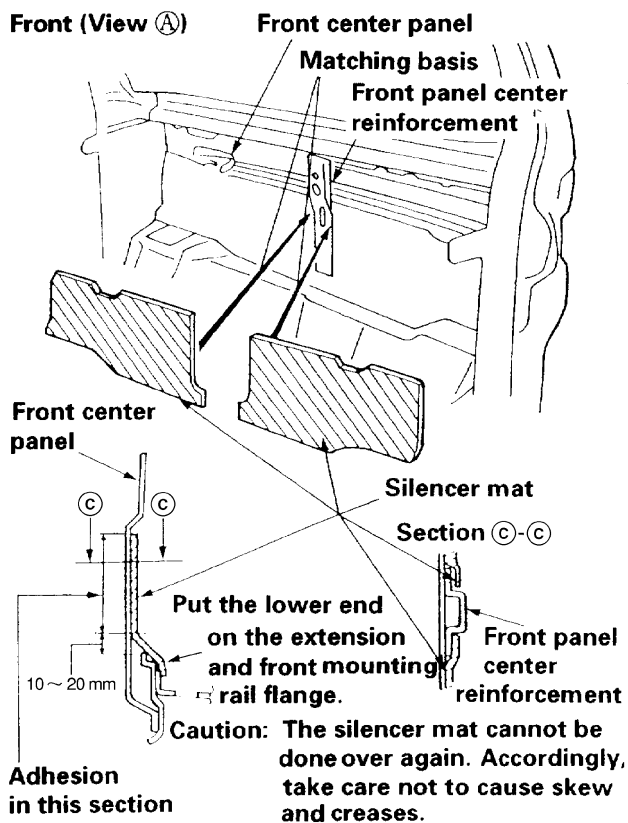
Melting sheet: Floor left side



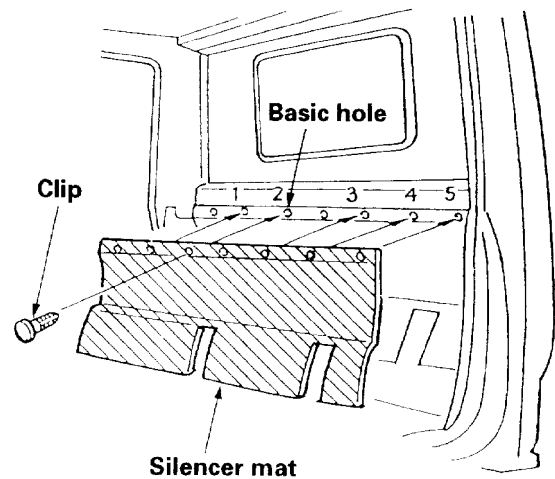
SILENCER MAT SETTING POSITIONS



Front (View ①)



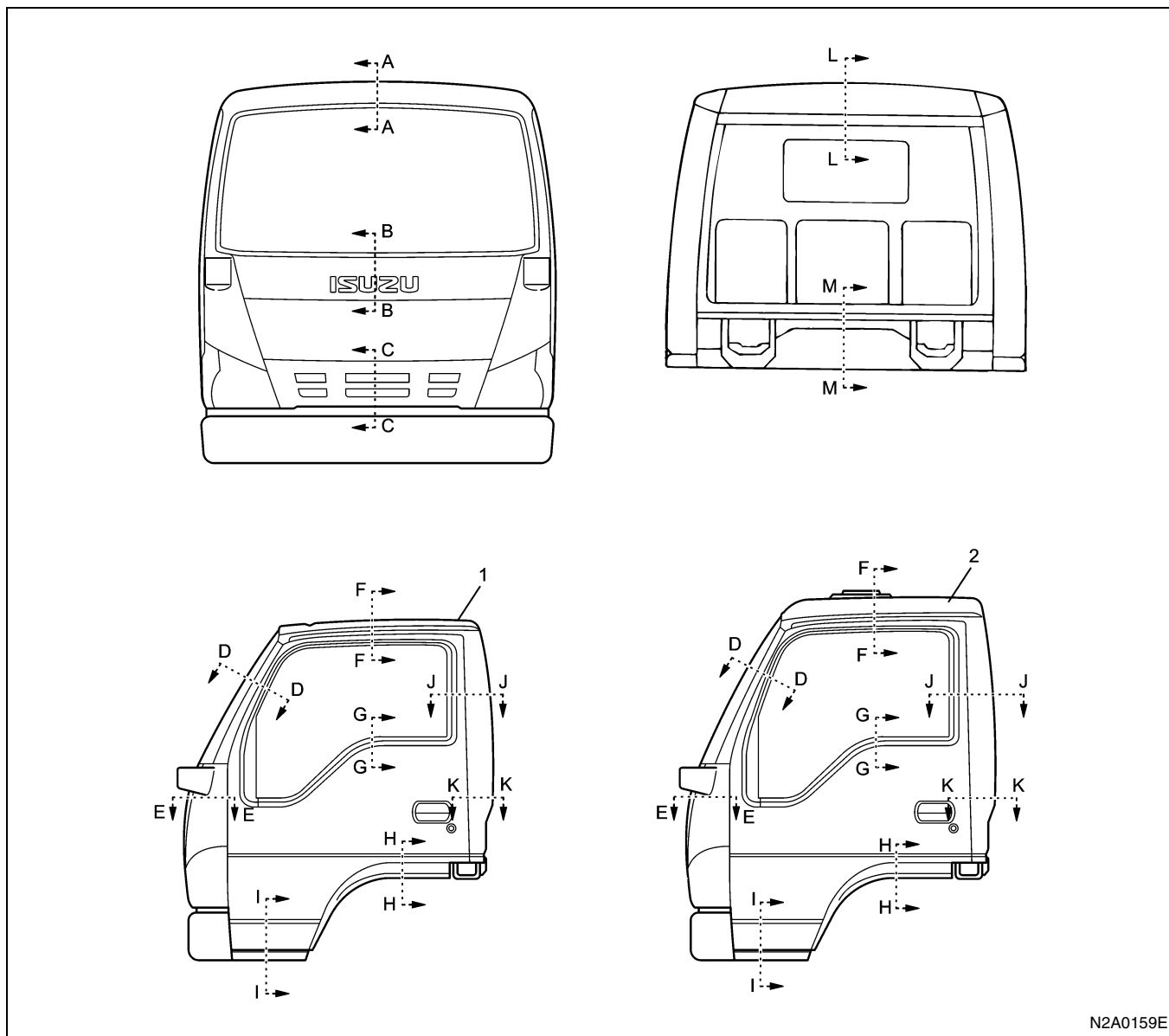
Rear (View ②)



Insert clips into two basic holes and fix the remaining 4 positions with clips.

BODY PANEL SECTIONAL SHAPES (SINGLE CAB MODEL)

Component

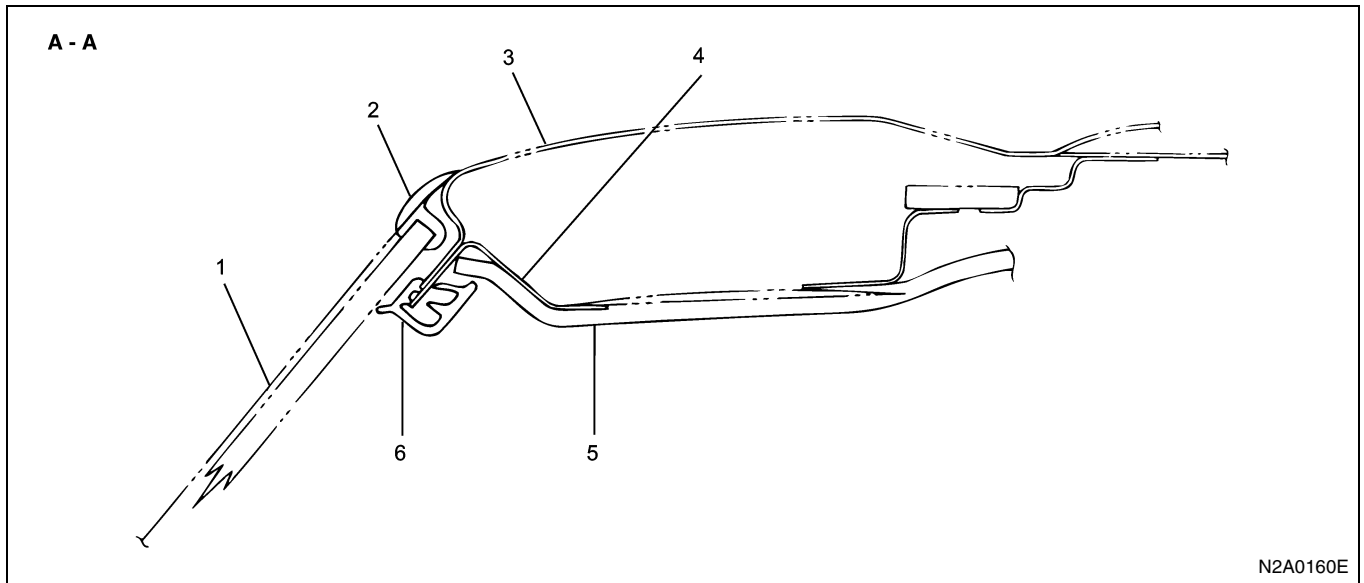


N2A0159E

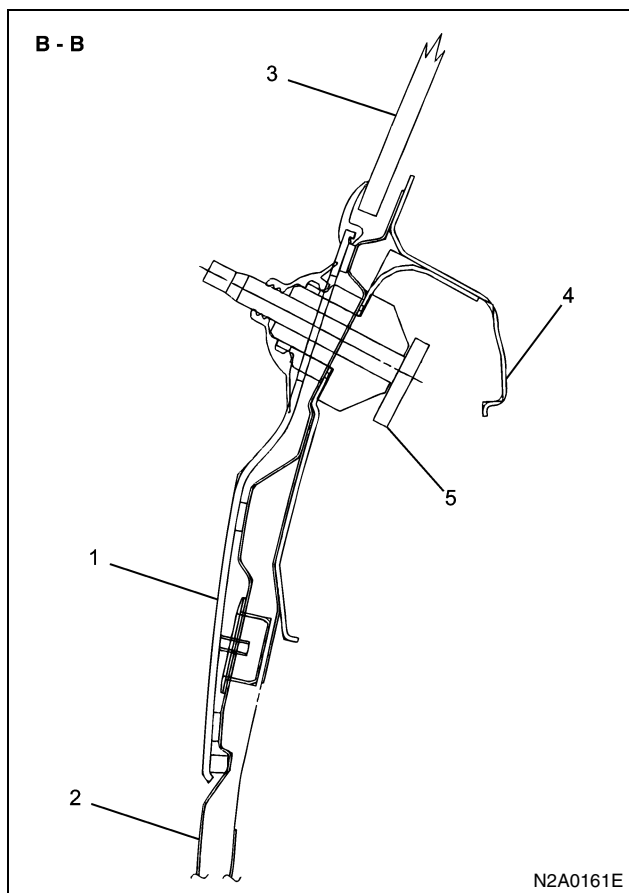
Legend

1. Narrow standard cab

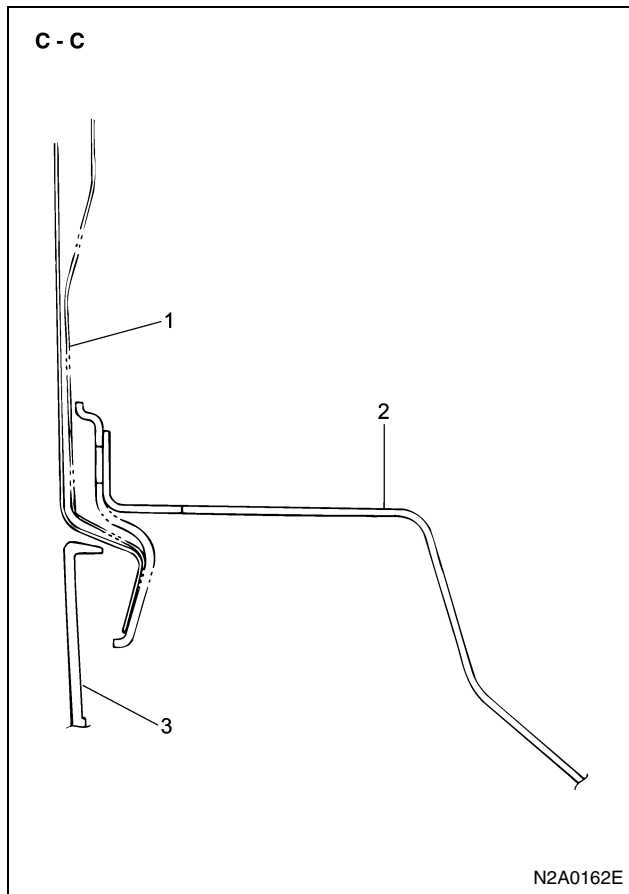
2. Wide cab and High cab

**Legend**

- | | |
|-----------------------|----------------|
| 1. Front window glass | 4. Header |
| 2. Molding | 5. Head lining |
| 3. Roof panel | 6. Finisher |

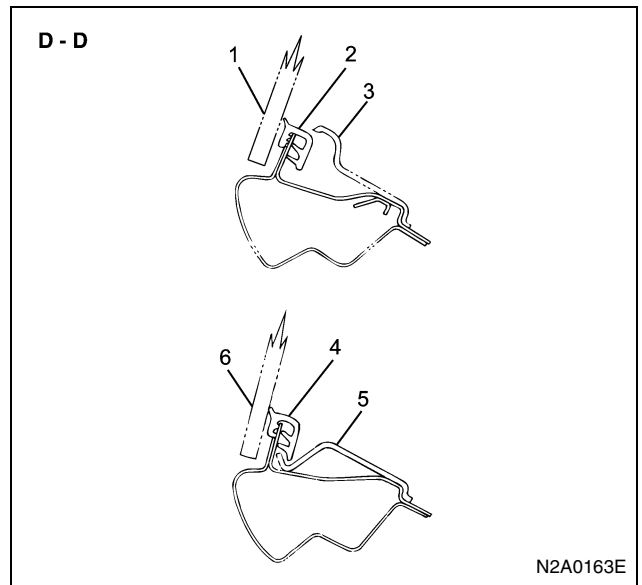
**Legend**

- | |
|------------------------|
| 1. Ornament panel |
| 2. Front center panel |
| 3. Front window glass |
| 4. Front reinforcement |
| 5. Wiper pivot |



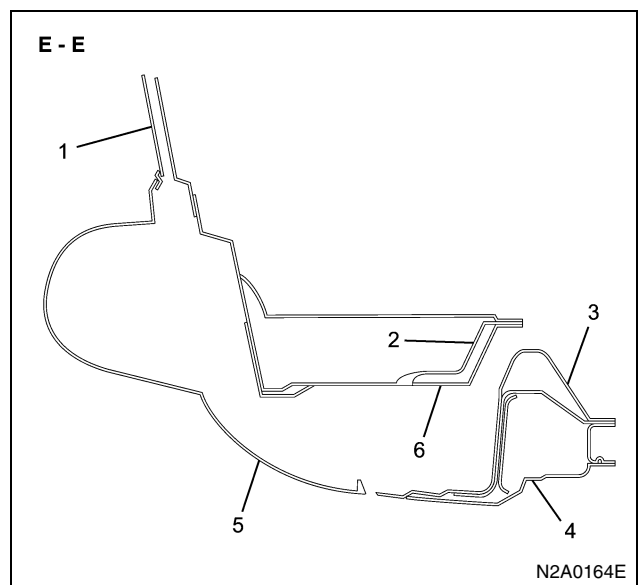
Legend

1. Front center panel
2. Front mounting rail
3. Radiator grille



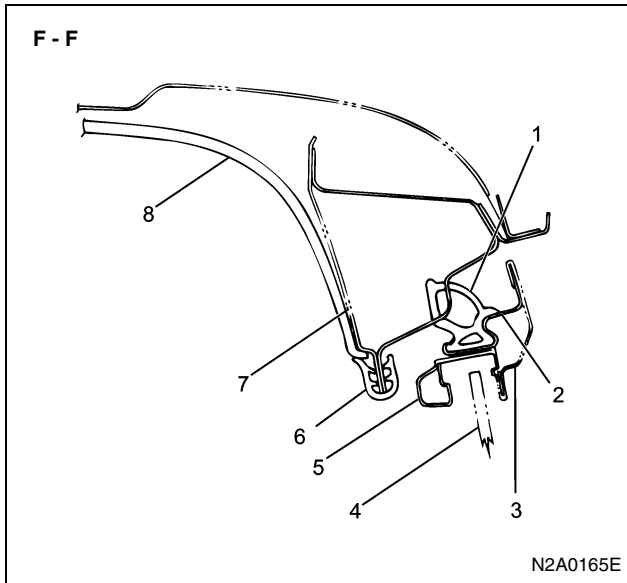
Legend

1. Front window glass (High cab, Wide cab model)
2. Finisher (High cab, Wide cab model)
3. Front pillar trim cover (High cab, Wide cab model)
4. Finisher (Standard cab model)
5. Front pillar trim cover (Standard cab model)
6. Front window glass (Standard cab model)



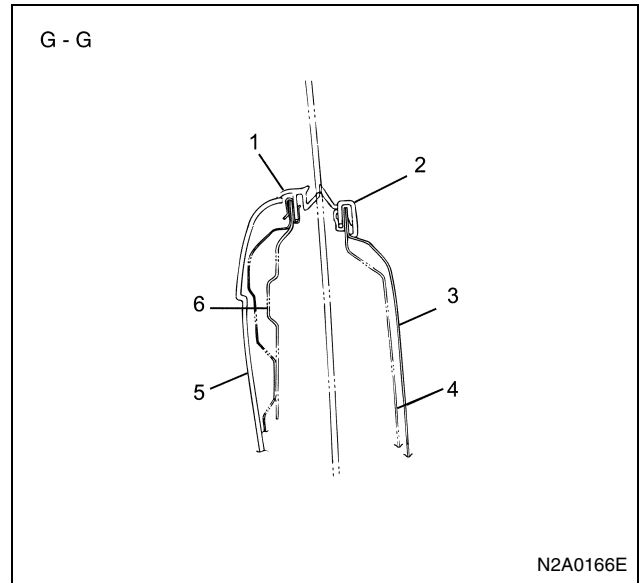
Legend

1. Ornament panel
2. Upper door hinge reinforcement
3. Door inner panel
4. Door outer panel
5. Front corner panel
6. Side panel



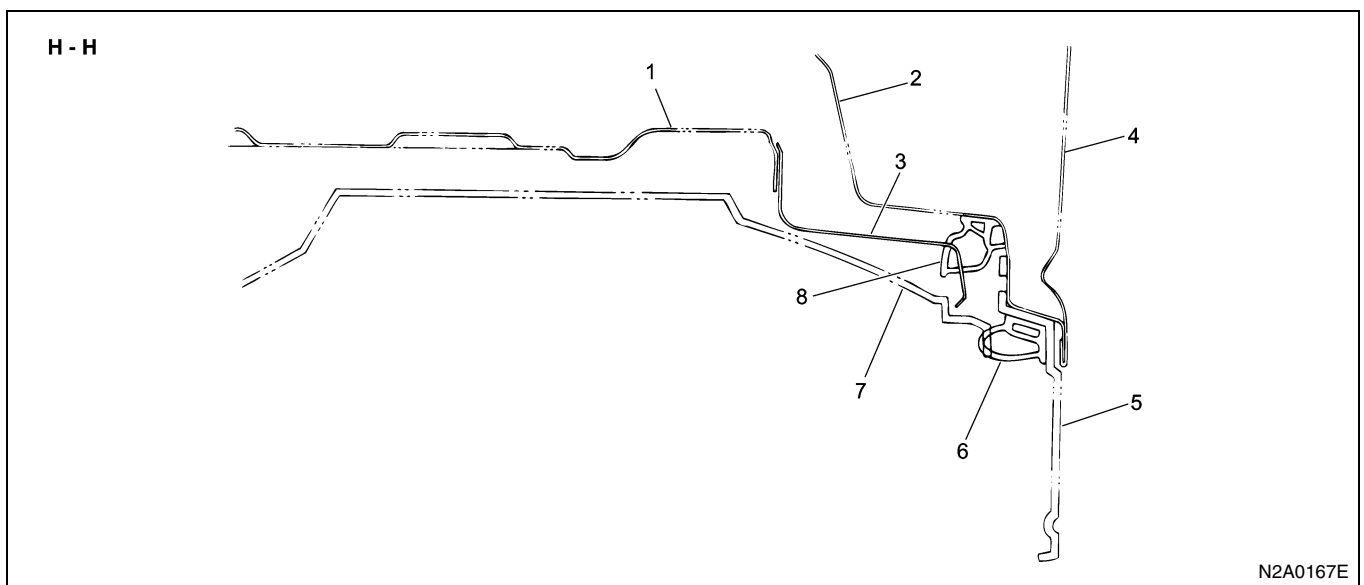
Legend

1. Door seal
2. Sash extension
3. Door outer panel
4. Door glass
5. Front door sash
6. Body side finisher
7. Rear side cant rail
8. Head lining



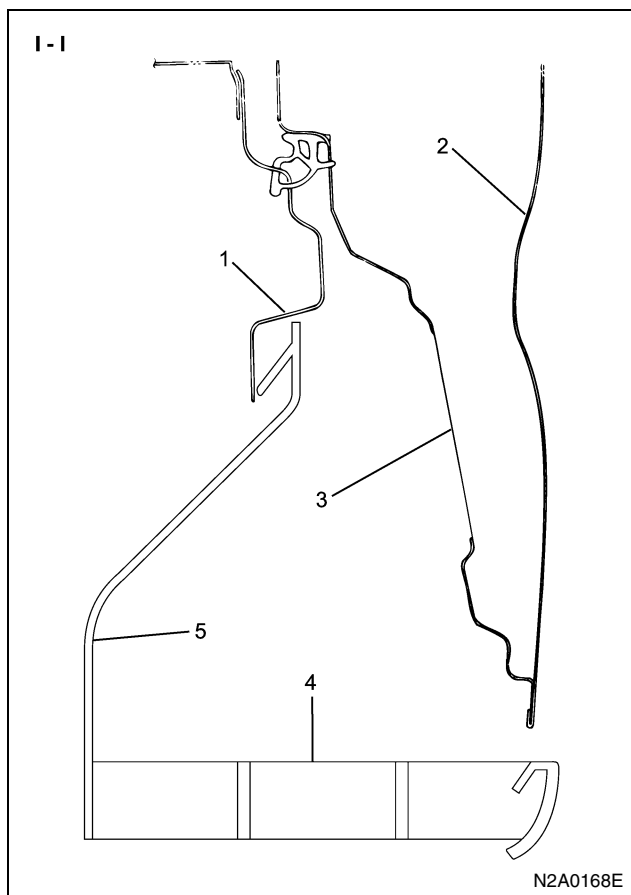
Legend

1. Inner waist seal
2. Outer waist seal
3. Door outer panel
4. Door outer reinforcement
5. Door trim pad
6. Door inner waist reinforcement



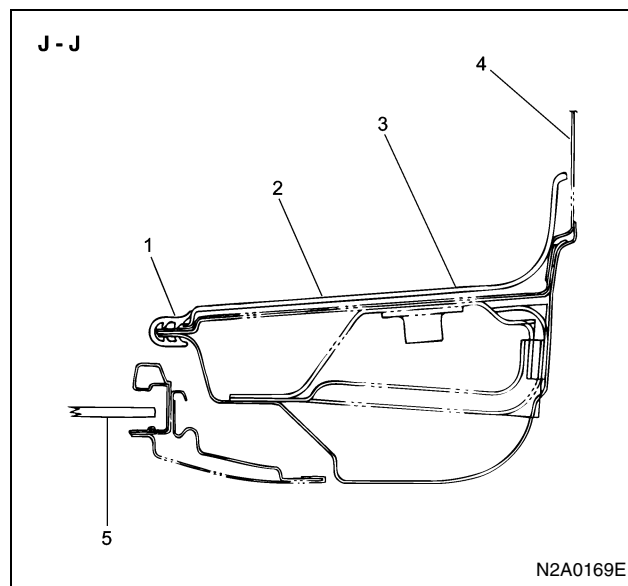
Legend

1. Floor panel
2. Door inner panel
3. Side panel
4. Door outer panel
5. Door lower liner
6. Sub seal
7. Tire house liner
8. Door seal



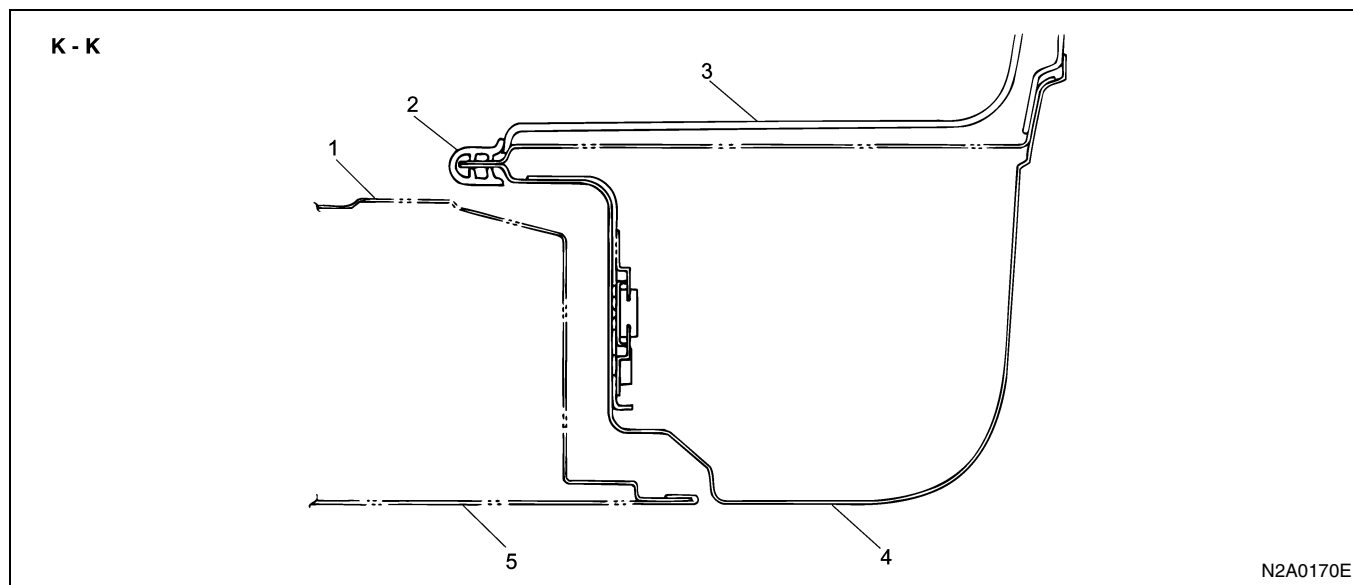
Legend

1. Side panel
2. Door outer panel
3. Door inner panel
4. Step plate
5. Step support



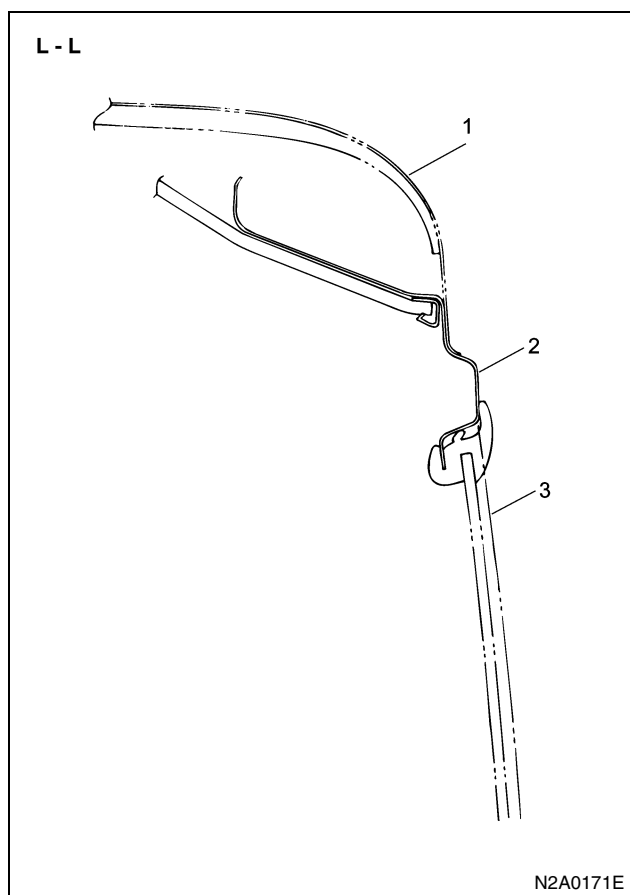
Legend

1. Finisher
2. Rear pillar upper trim cover
3. Rear pillar upper closing
4. Back panel
5. Door glass



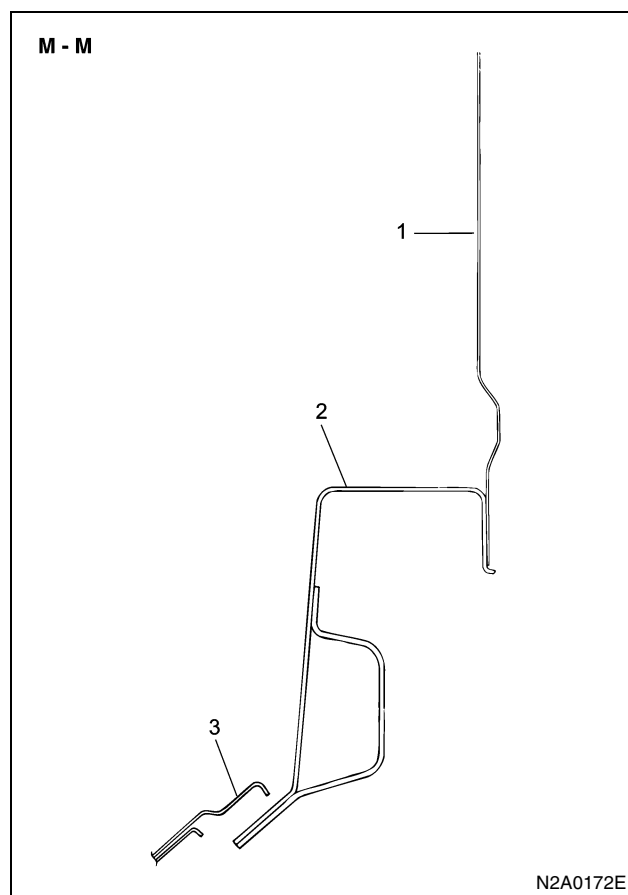
Legend

- | | |
|---------------------------------|---------------------|
| 1. Door inner panel | 4. Side panel |
| 2. Finisher | 5. Door outer panel |
| 3. Rear pillar lower trim cover | |



Legend

- | |
|---------------------|
| 1. Roof |
| 2. Back panel |
| 3. Back light glass |

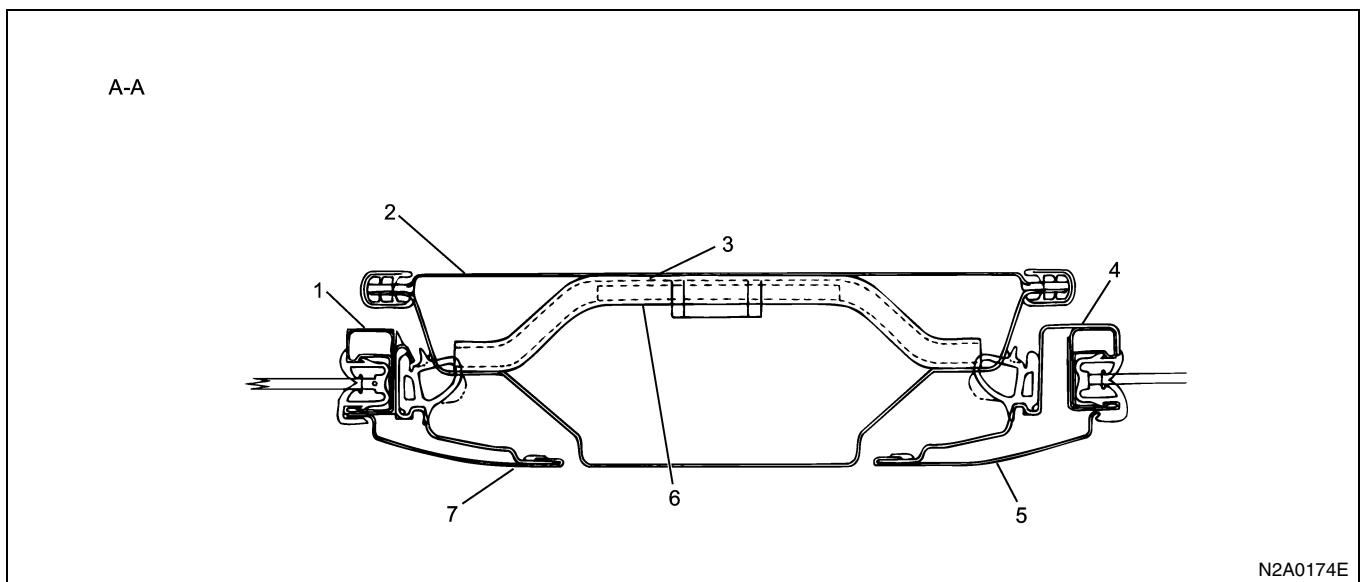
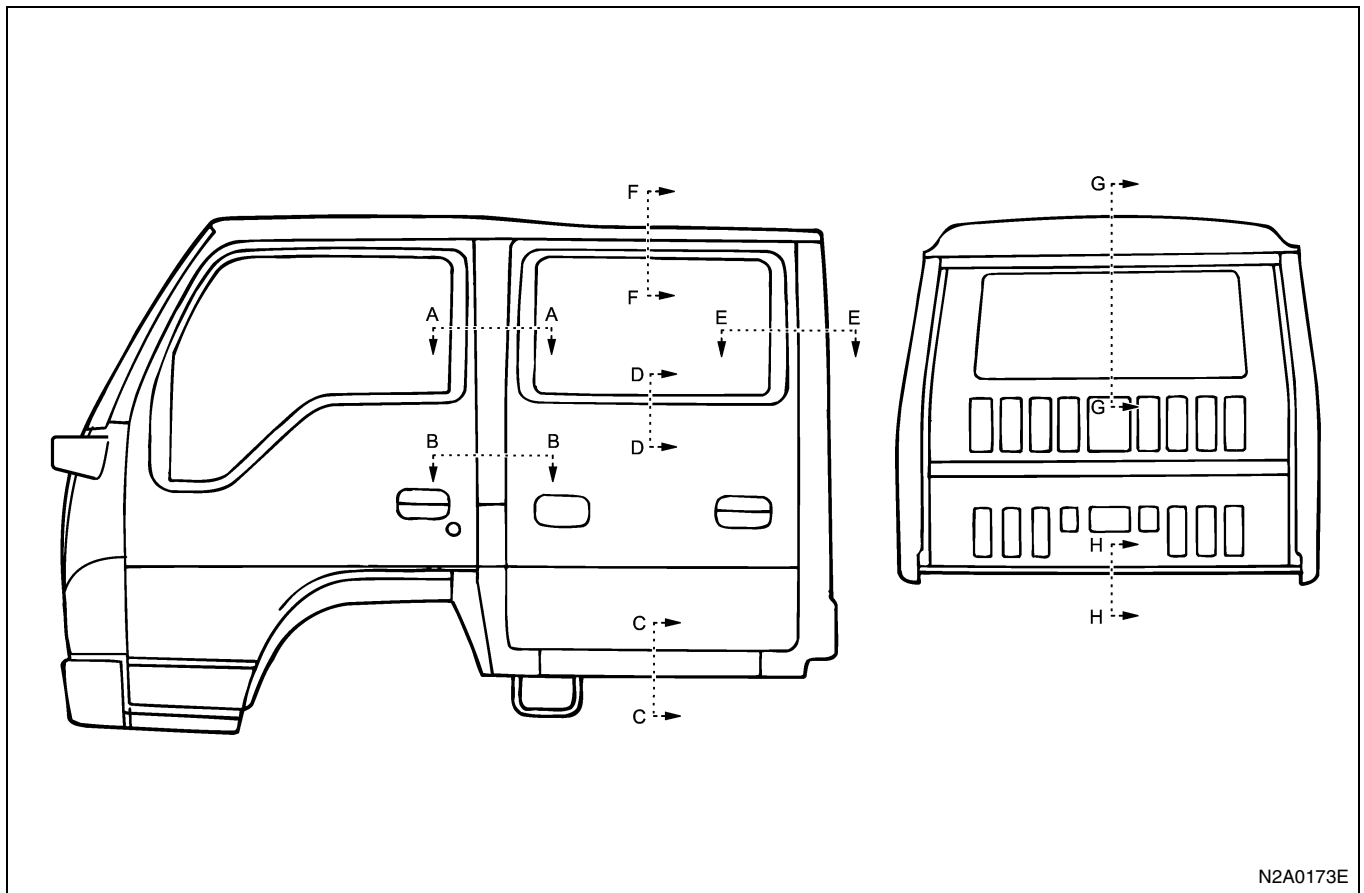


Legend

- | |
|-----------------------|
| 1. Back panel |
| 2. Rear mounting rail |
| 3. Engine cover |

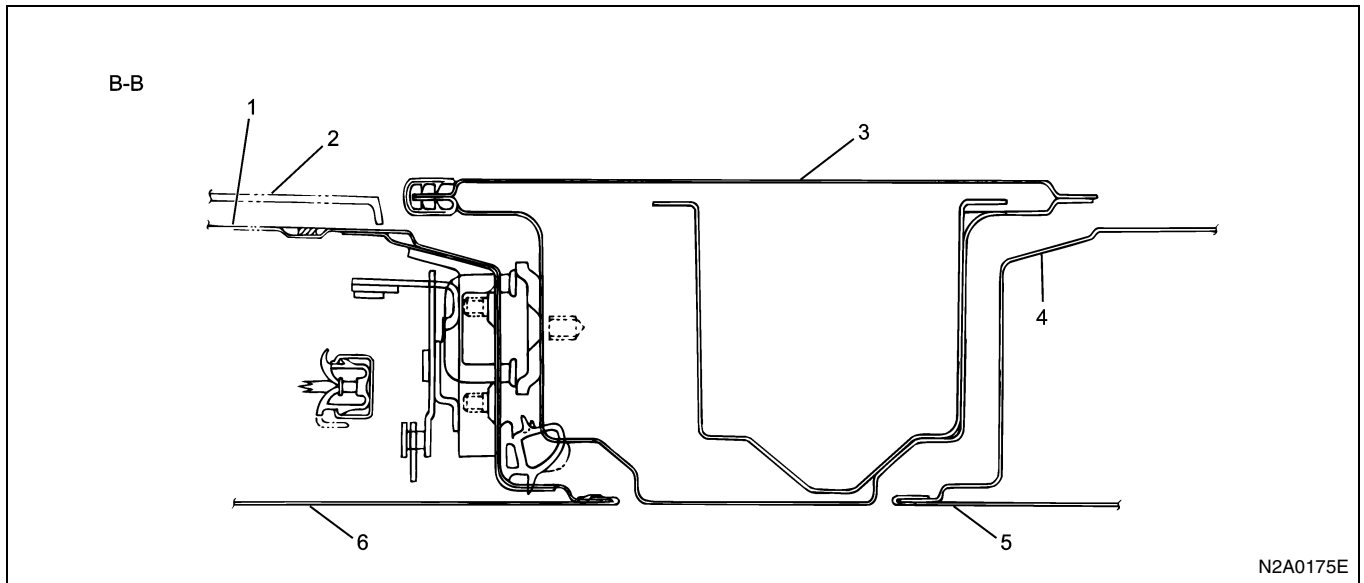
BODY PANEL SECTIONAL SHAPES (CREW CAB MODEL)

Component

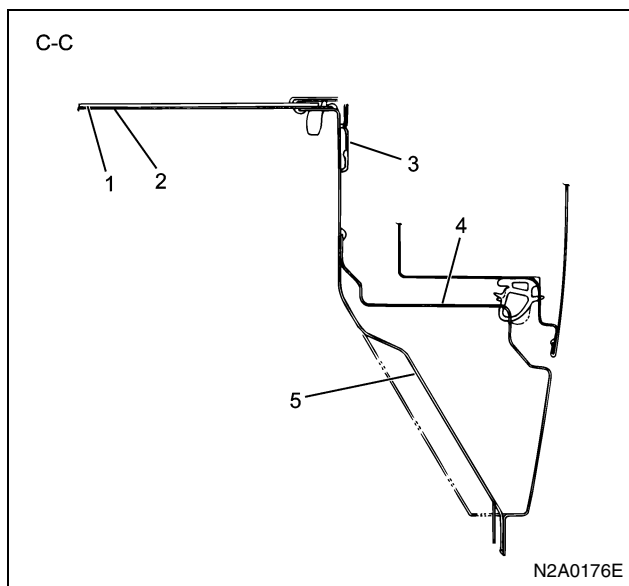


Legend

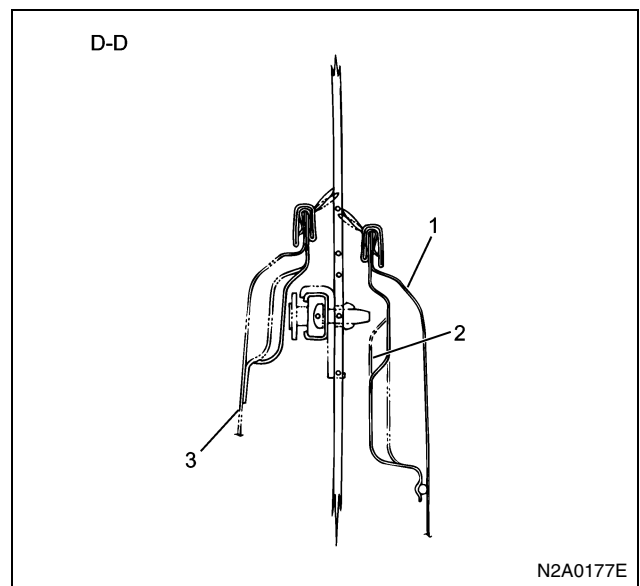
- | | |
|--------------------------------|----------------------------|
| 1. Front door sash | 5. Rear door outer panel |
| 2. Center pillar upper closing | 6. Seat belt reinforcement |
| 3. Seat belt patch | 7. Front door outer panel |
| 4. Rear door sash | |

**Legend**

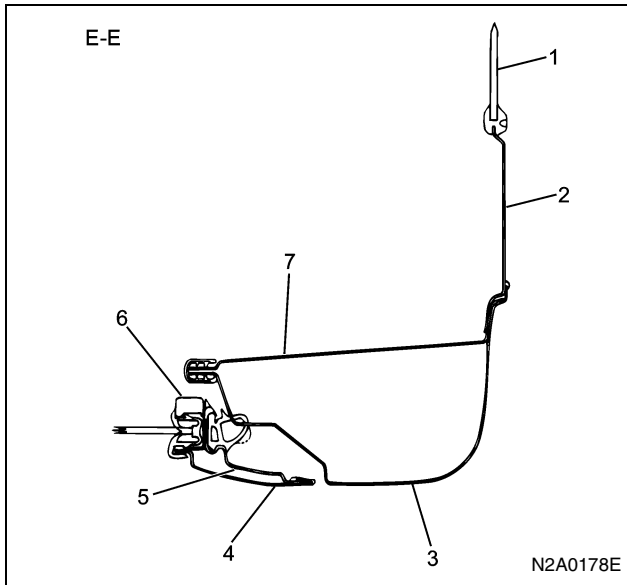
- | | |
|--------------------------------------|---------------------------|
| 1. Front door inner panel | 4. Rear door inner panel |
| 2. Trim pad reference surface | 5. Rear door outer panel |
| 3. Center pillar upper/lower closing | 6. Front door outer panel |

**Legend**

1. Rear floor mat
2. Rear floor panel
3. Side sill plate
4. Outer sill
5. Rear floor side

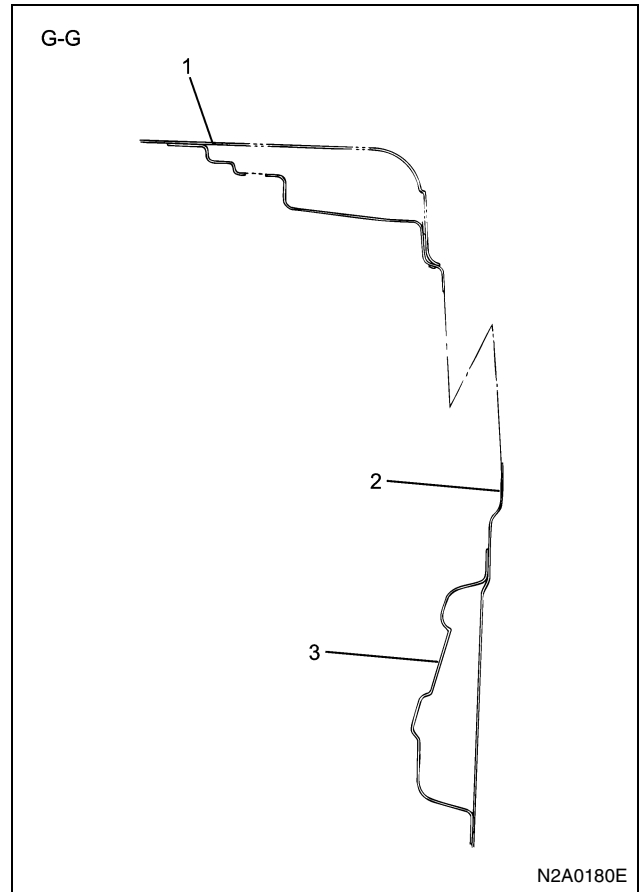
**Legend**

1. Rear door outer panel
2. Rear door inner waist reinforcement
3. Rear door inner panel



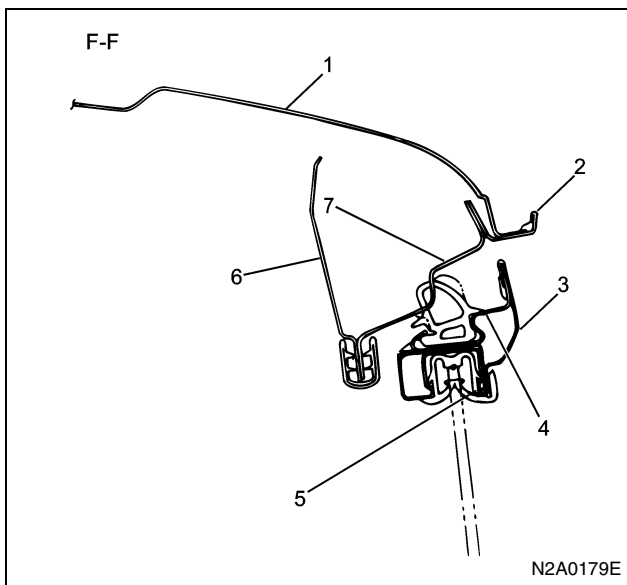
Legend

1. Back light glass
2. Back panel
3. Rear upper pillar
4. Rear door outer panel
5. Rear door sash/rear extension
6. Rear door sash
7. Rear pillar upper closing



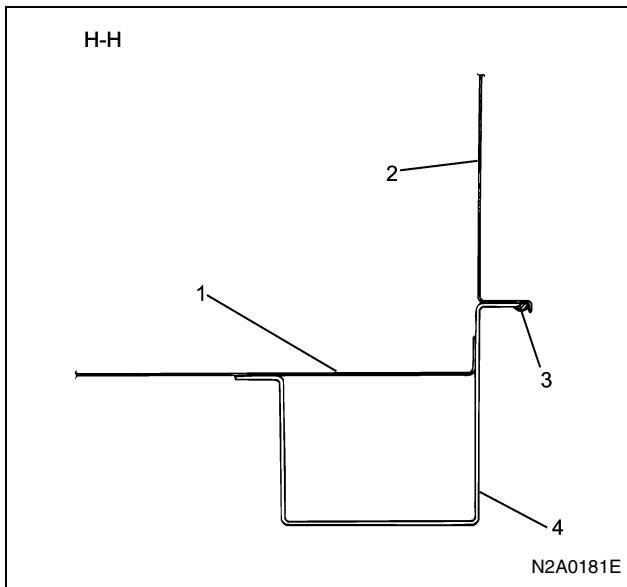
Legend

1. Roof panel
2. Back panel
3. Back panel reinforcement



Legend

1. Roof panel
2. Drip side panel
3. Rear door outer panel
4. Rear door upper extension
5. Rear door sash
6. Rear side cant rail
7. Drip rail

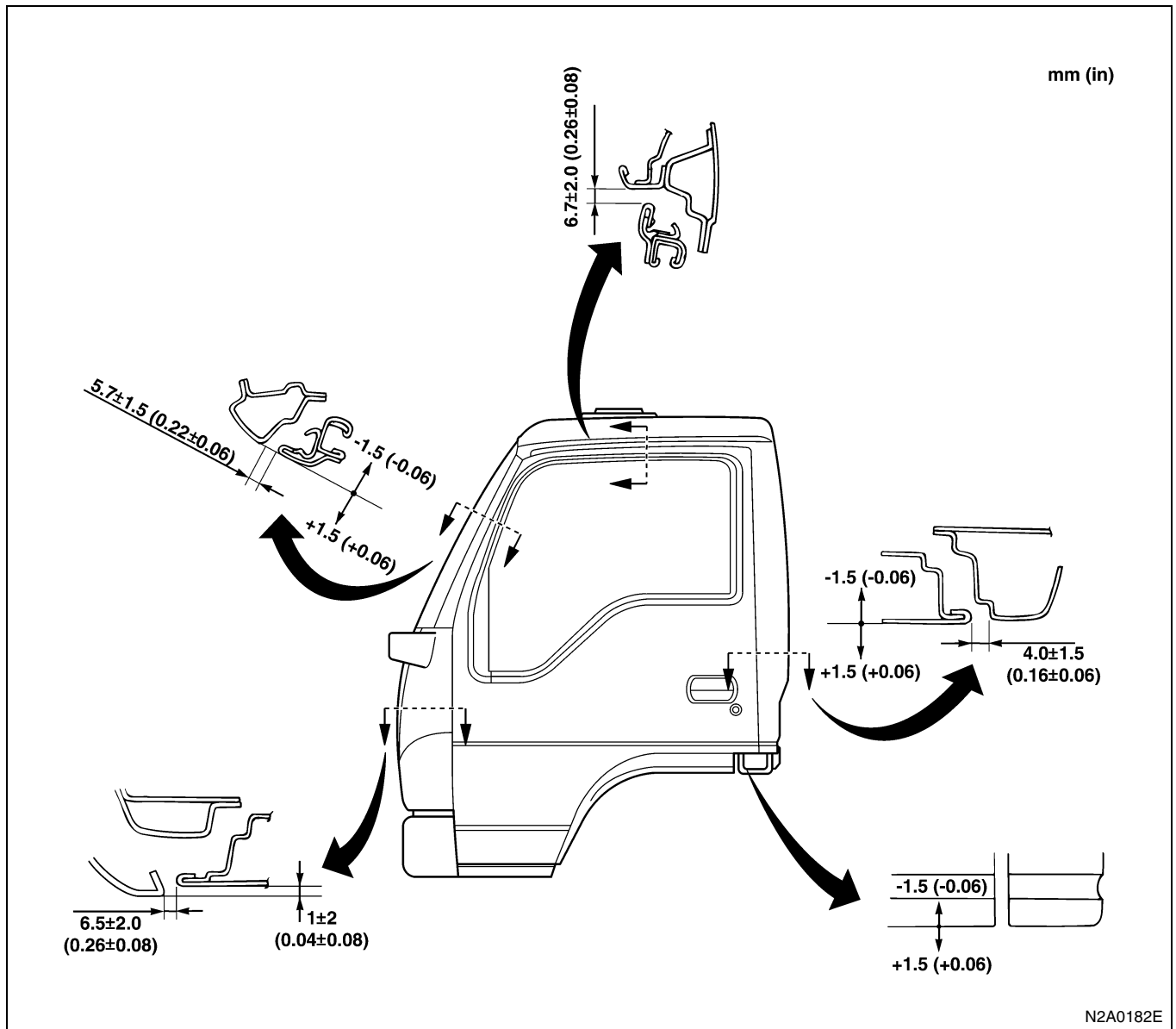
**Legend**

- 1. Rear floor panel
- 2. Back panel
- 3. Seal
- 4. Rear bolster

BODY PANEL ASSEMBLY

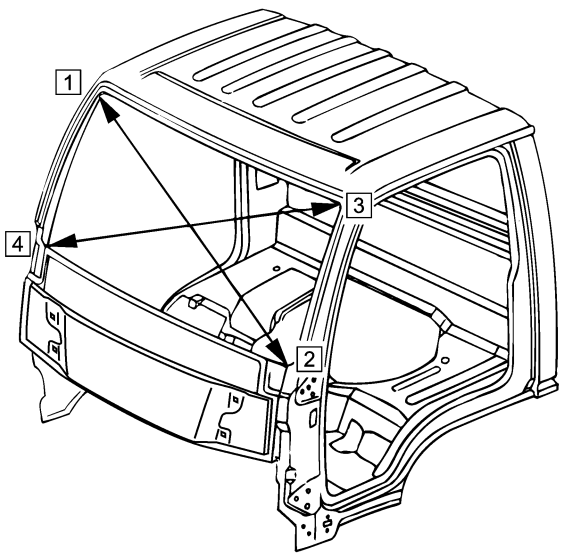
Specifications

Body Dimensions (Door Opening Clearance and Level Difference)

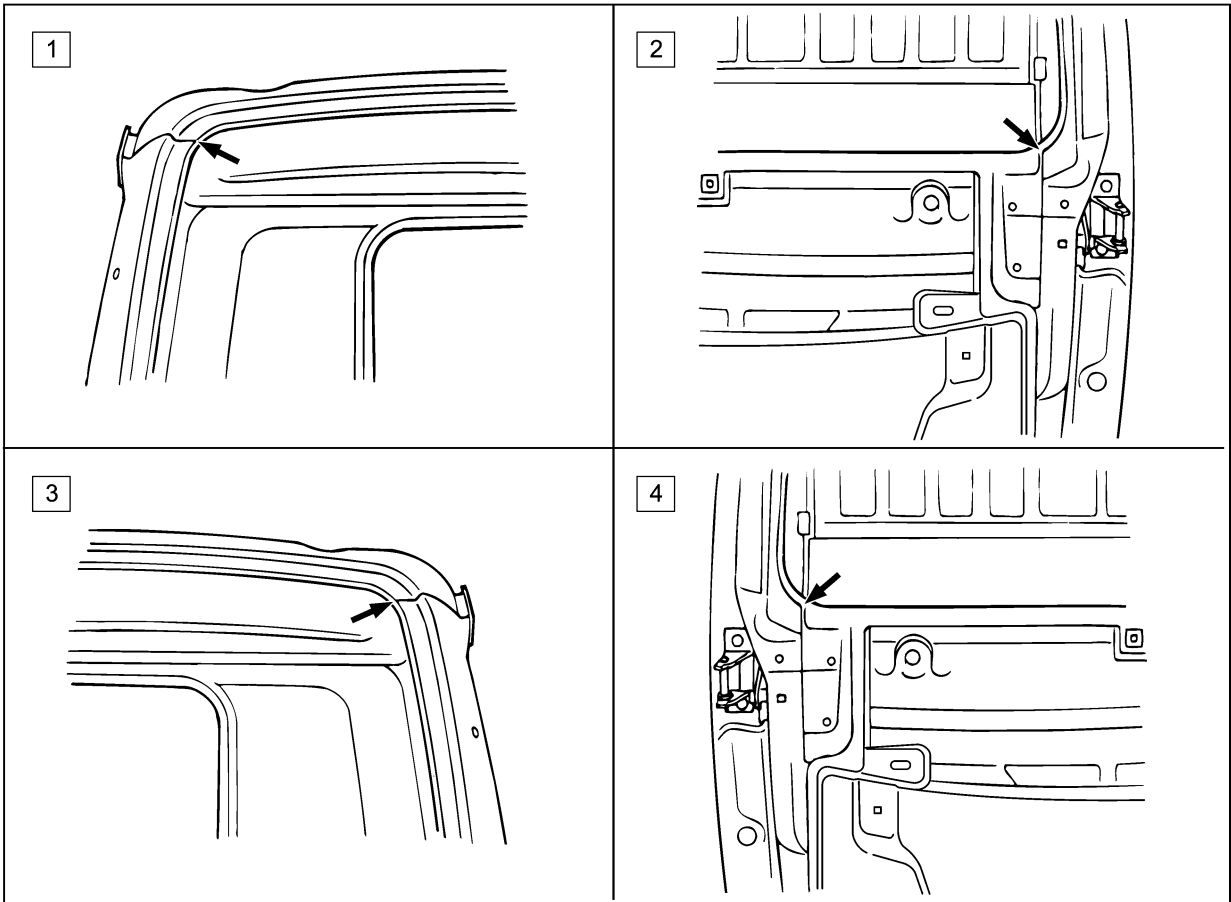


- Adjust the parallelism (difference in clearance) to 2.0 mm (0.08 in) or less.

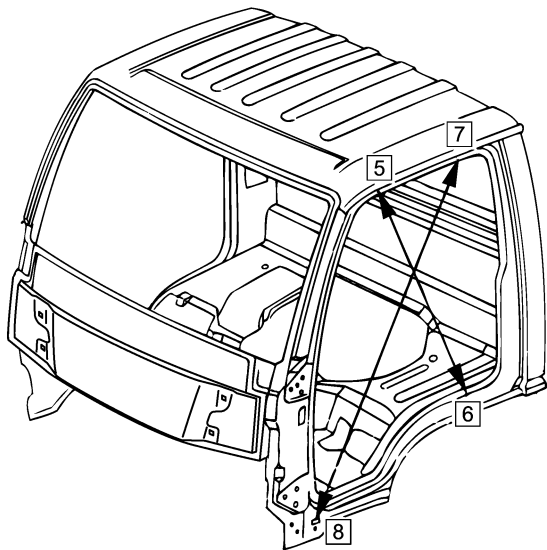
Body Dimensions (Front Window Frontage Sizes)



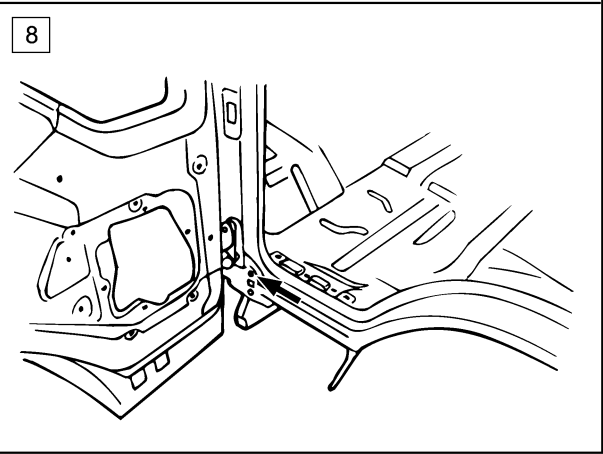
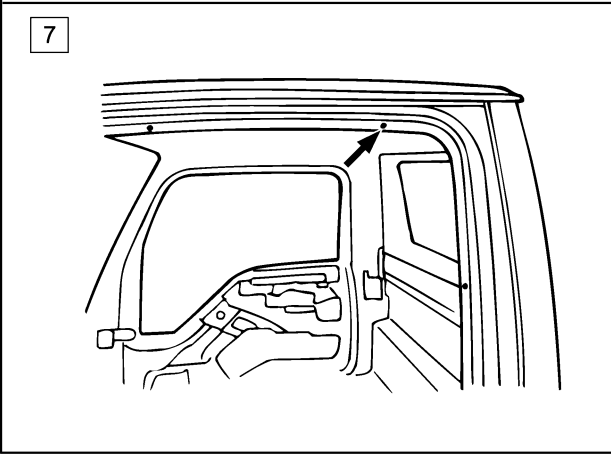
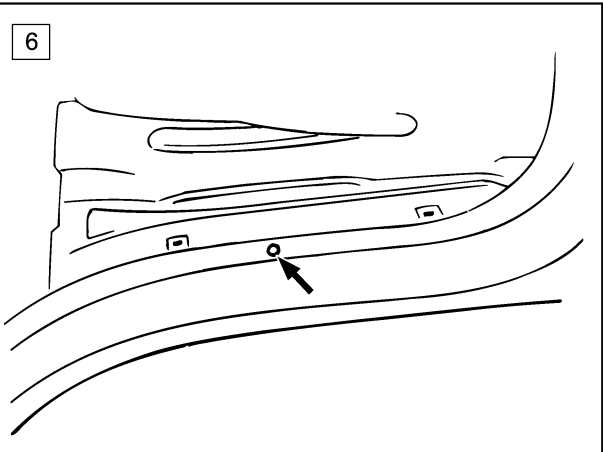
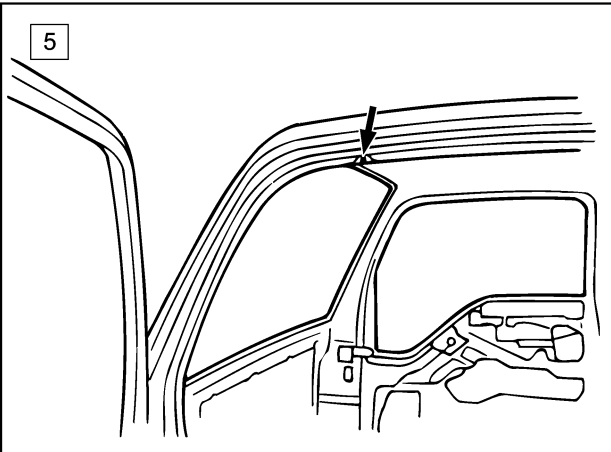
	mm (in)	
	1 ~ 2	3 ~ 4
Standard cab	1542.73 (60.74)	←
High cab	1553.03 (61.14)	←
Wide cab	1830.37 (72.06)	←



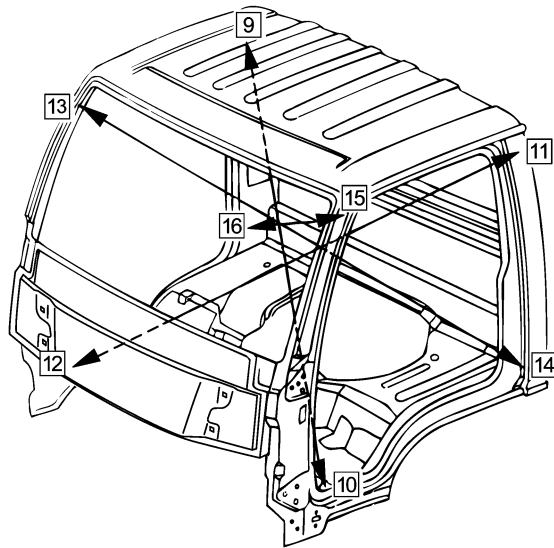
Body Dimensions (Door Frontage Sizes)



mm (in)		
	5 ~ 6	7 ~ 8
Standard cab	1010.86 (39.80)	1515.20 (59.65)
High cab	1079.69 (42.51)	1577.49 (62.11)
Wide cab	1079.69 (42.51)	1577.49 (62.11)

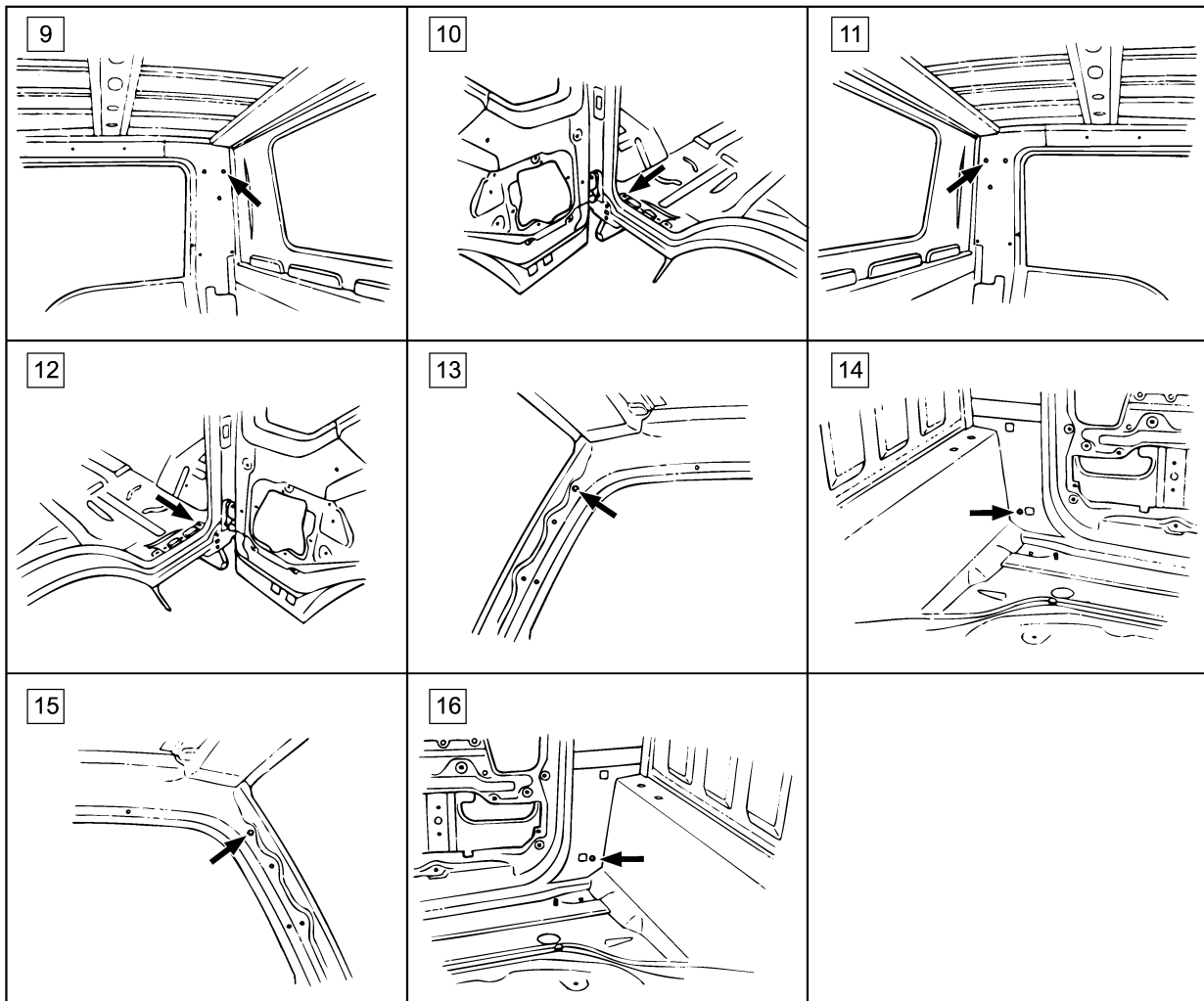


Body Dimensions (Room Diagonal Sizes)

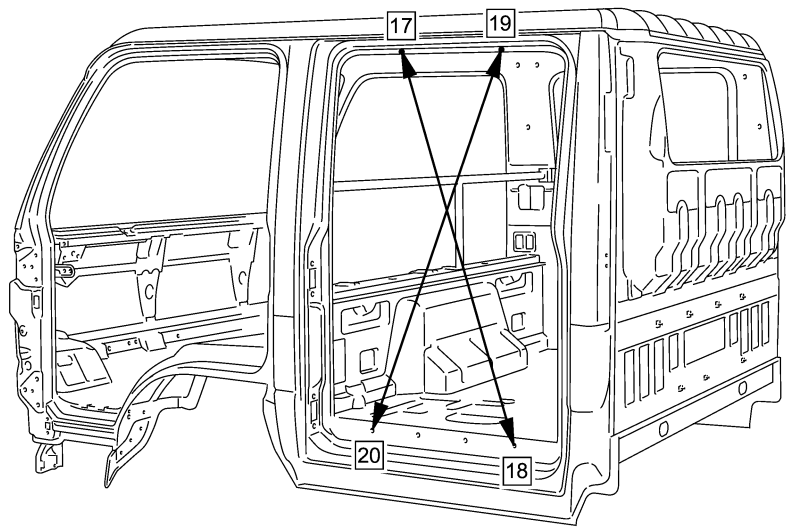


mm (in)

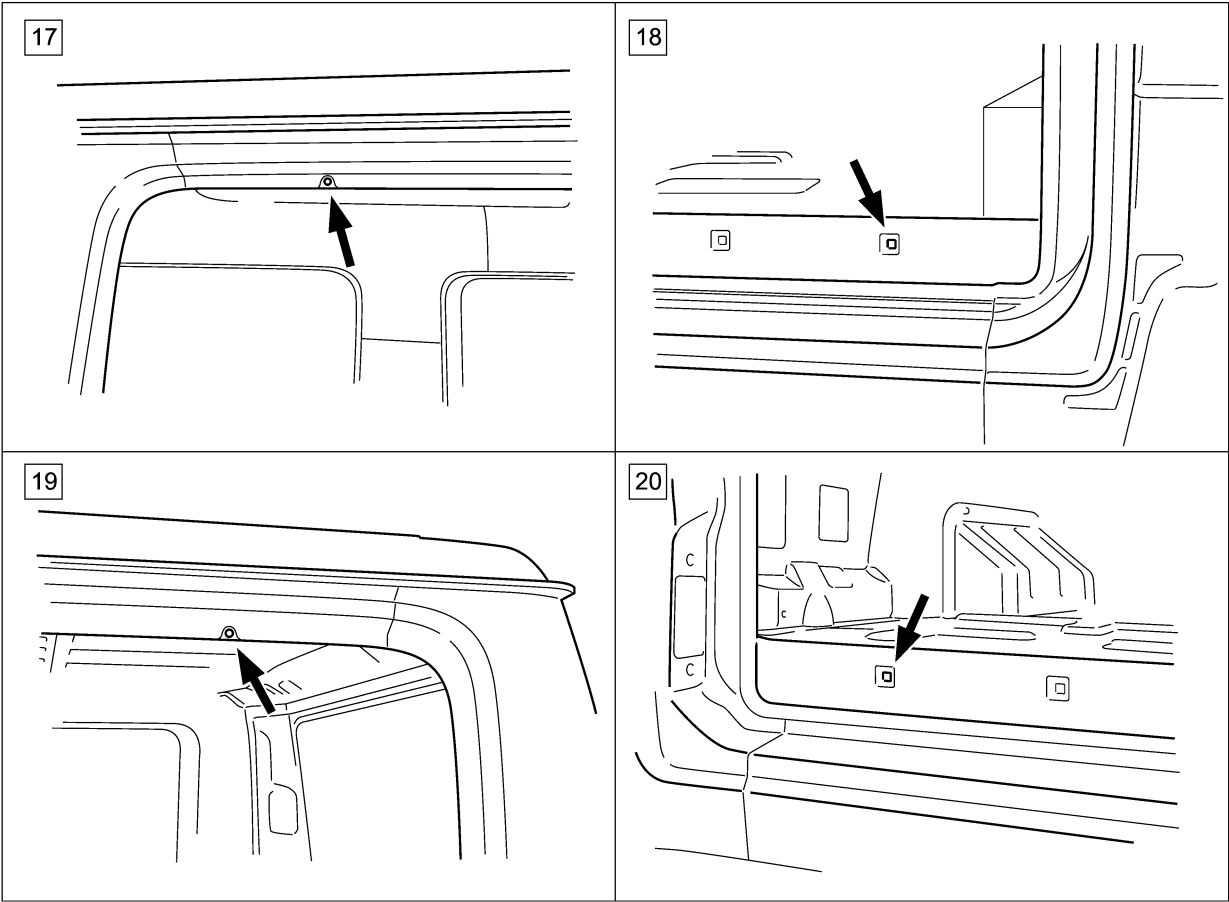
	9 ~ 10 11 ~ 12	13 ~ 14 15 ~ 16
Standard cab	2094.15 (82.45)	1884.51 (74.19)
High cab	2136.32 (84.11)	1886.05 (74.25)
Wide cab	2336.98 (92.01)	2128.51 (83.80)



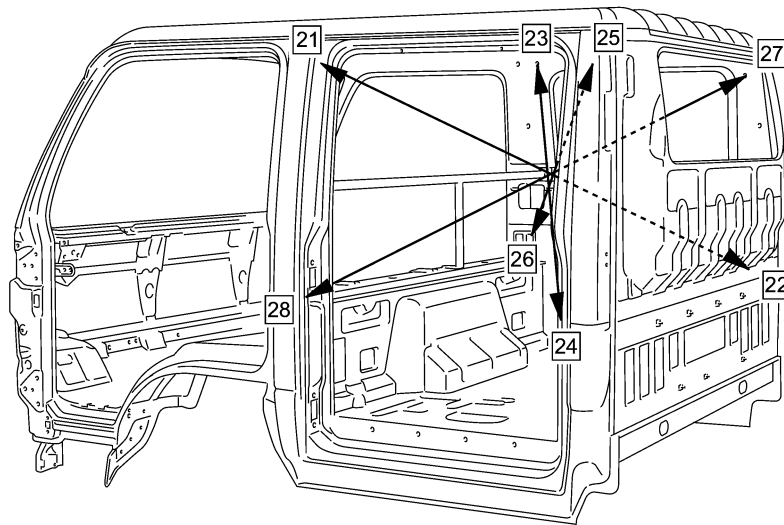
Body Dimensions (Rear Door Frontage Sizes, Double Cab Model)



mm (in)		
	17 ~ 18	19 ~ 20
Standard cab	1223.6 (48.17)	1223.3 (48.16)
High cab	1293.1 (50.91)	1292.8 (50.90)
Wide cab	1293.1 (50.91)	1292.8 (50.90)

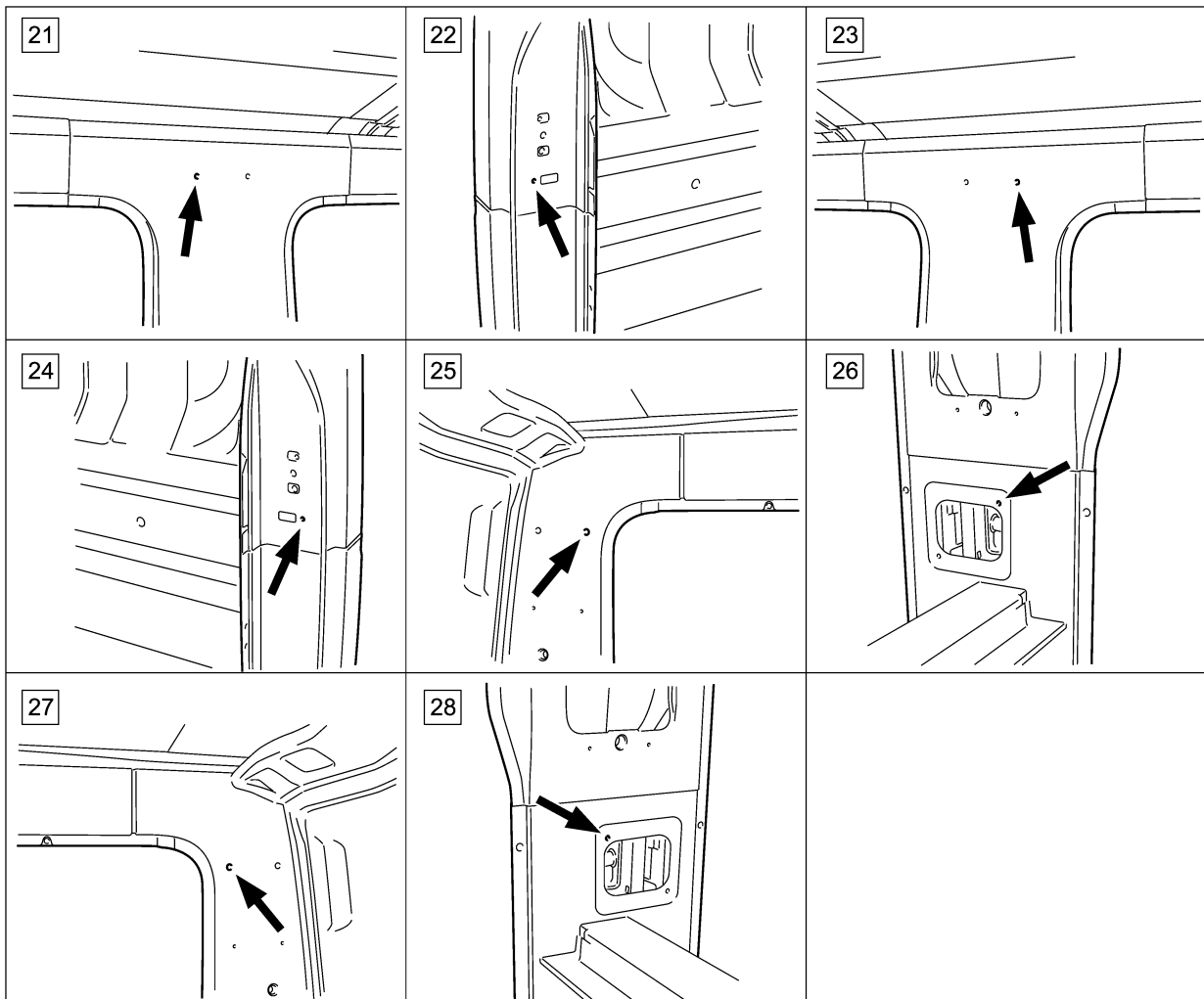


Body Dimensions (Room Diagonal Sizes, Double Cab Model)



mm (in)

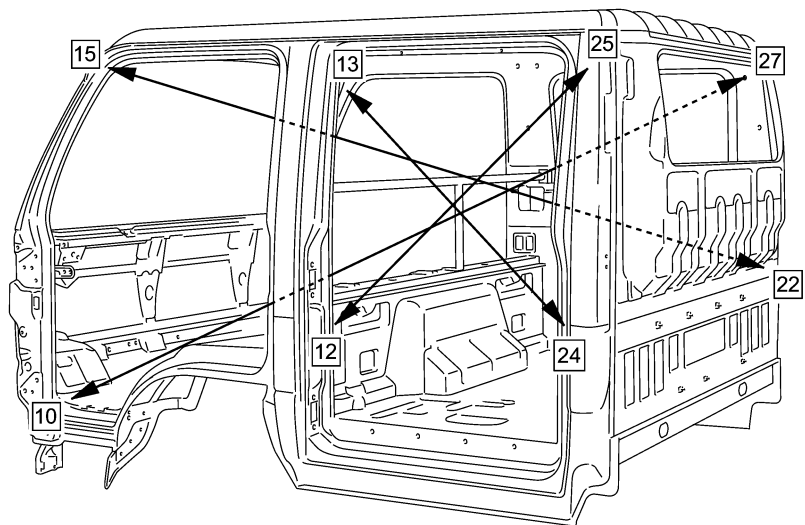
	21 ~ 22	25 ~ 26
	23 ~ 24	27 ~ 28
Standard cab	1865.1 (73.43)	1814.8 (71.45)
High cab	1906.8 (75.07)	1827.3 (71.94)
Wide cab	2149.8 (84.64)	2073.6 (81.64)



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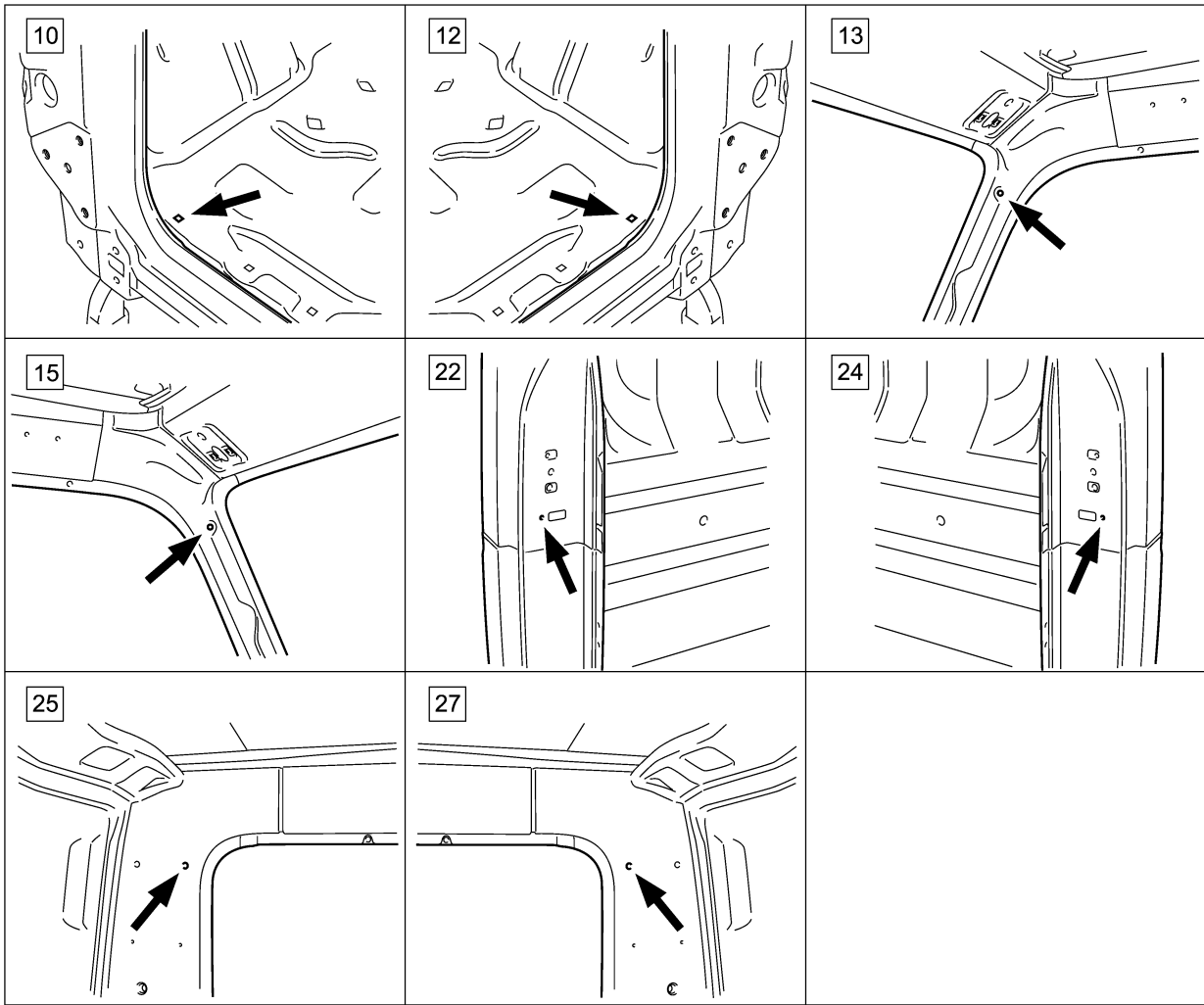
2-130 CAB AND FRAME

Body Dimensions (Room Diagonal Sizes, Double Cab Model)

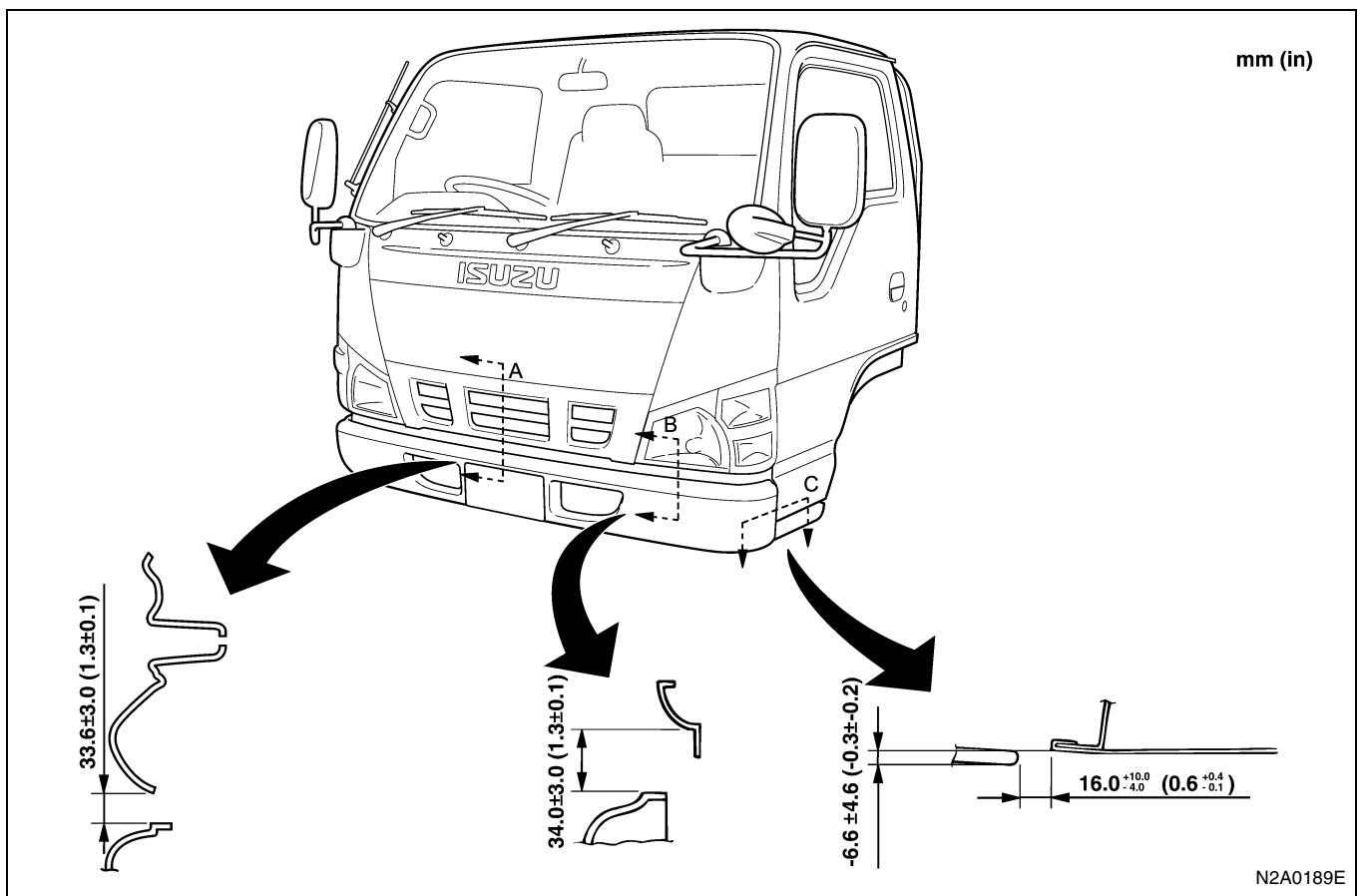


mm (in)

	15 ~ 22	10 ~ 27
	13 ~ 24	12 ~ 25
Standard cab	2506.7 (98.69)	2714.4 (106.87)
High cab	2488.9 (97.99)	2737.4 (107.77)
Wide cab	2682.0 (105.59)	2905.0 (114.37)



Body Dimensions (Front Bumper Installation Basic Sizes)



- Section B parallelism (difference in clearance) size
Vertical 3.0 mm (0.1 in) or less
- Section C parallelism (difference in clearance) size
Vertical 3.0 mm (0.1 in) or less
Horizontal 5.0 mm (0.2 in) or less
- Section D parallelism (level difference) size
Vertical 3.0 mm (0.1 in) or less
Horizontal 5.0 mm (0.2 in) or less

