

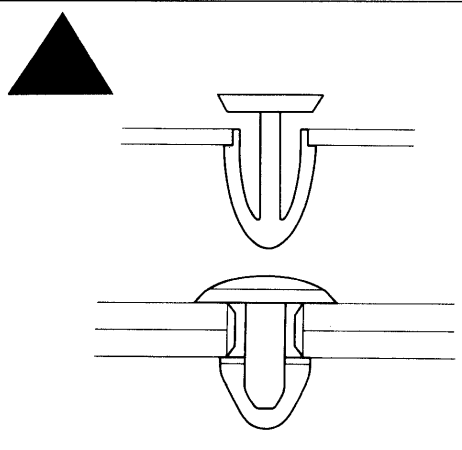
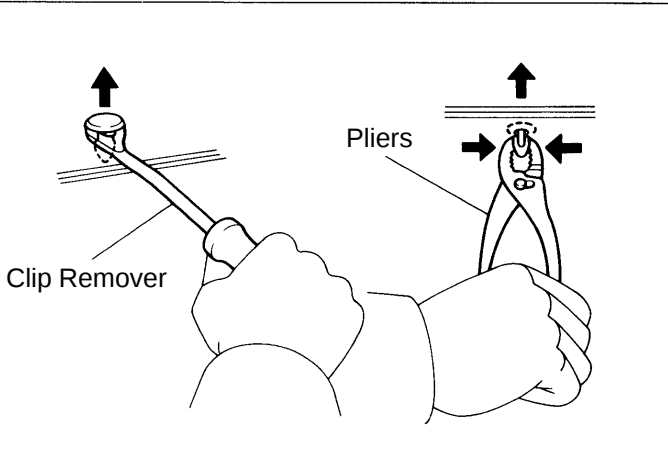
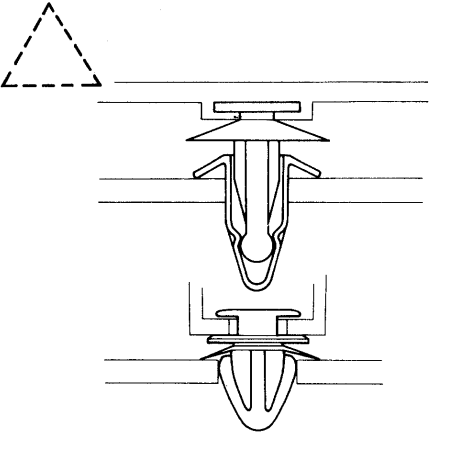
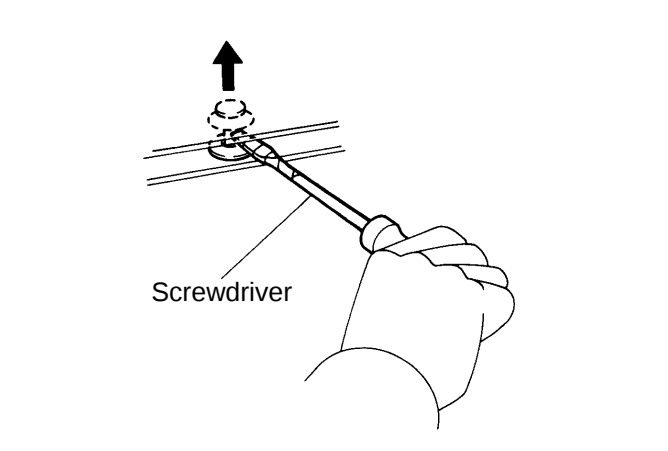
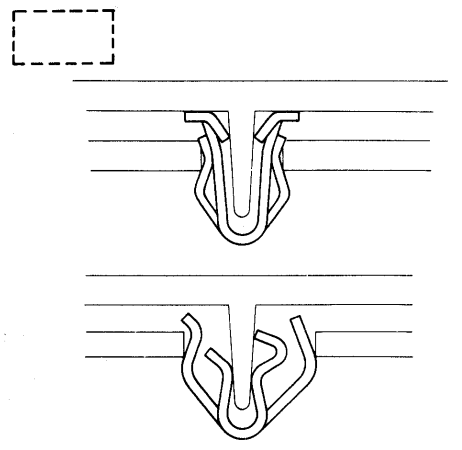
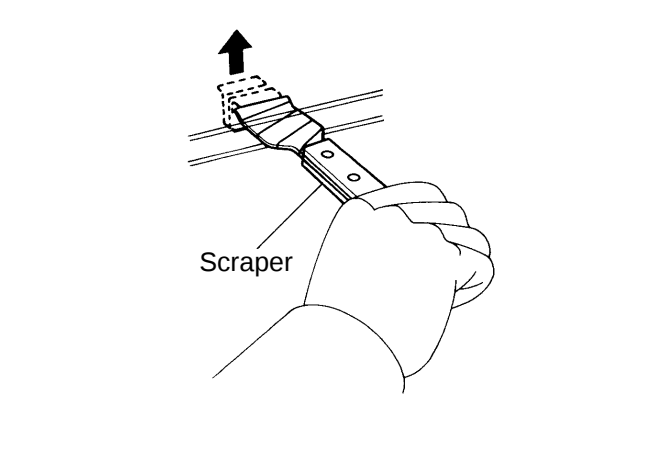
CLIP
REPLACEMENT

BO0BJ-02

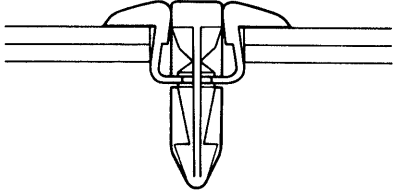
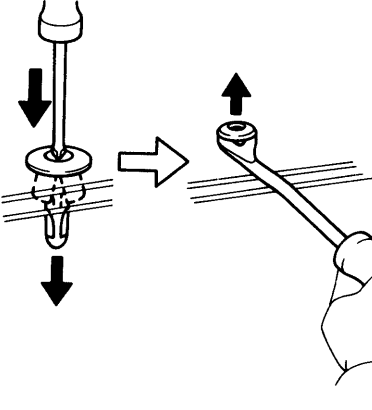
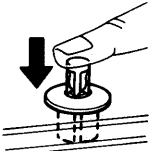
The removal and installation methods of typical clips used in body parts are shown in the table below.

HINT:

If the clip is damaged during the operation, always replace it with a new clip.

Shape (Example)	Removal/Installation
	
	
	

V00005

Shape (Example)	Removal/Installation
	Removal  Installation 

V00012

SRS AIRBAG

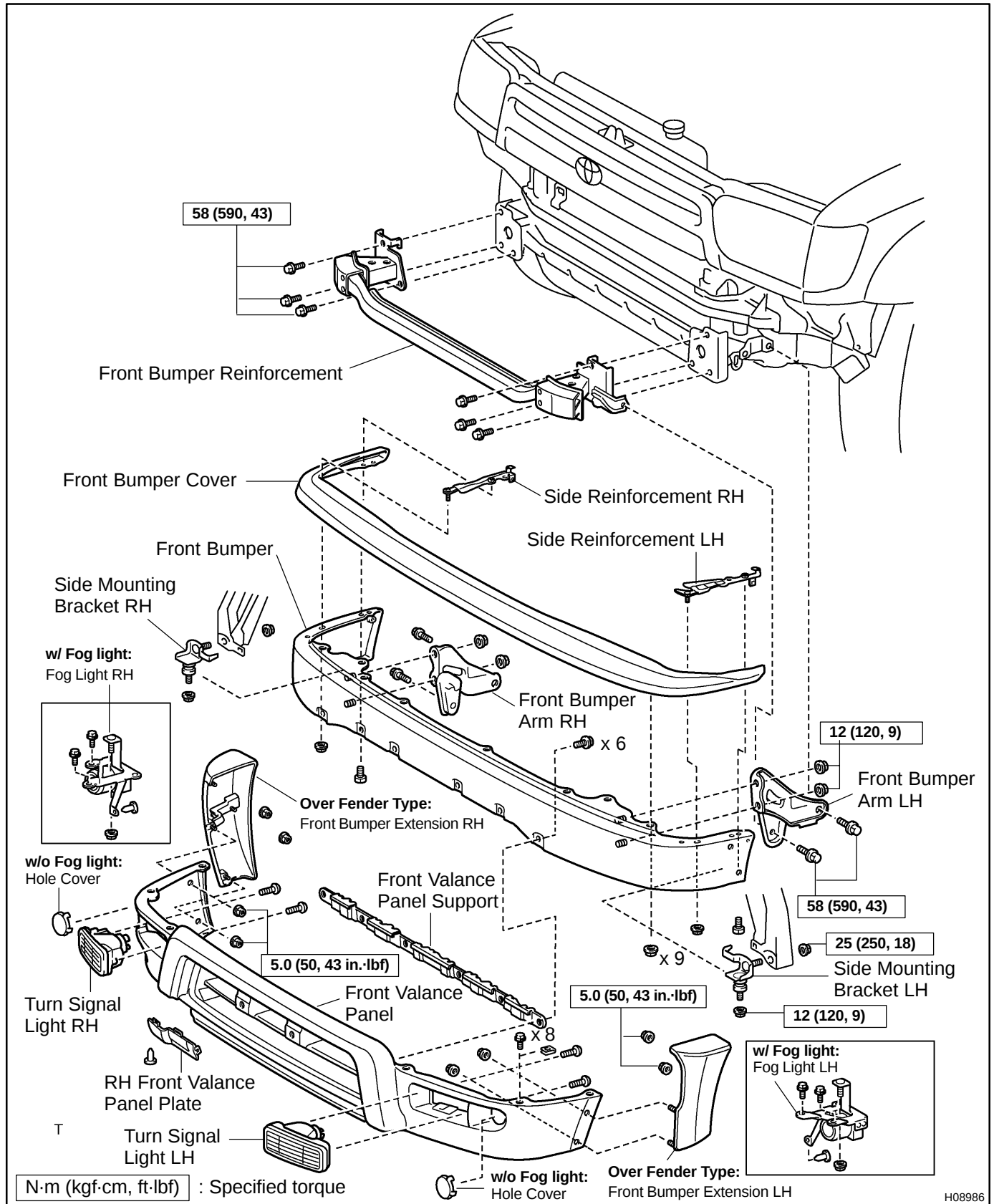
BO0BK-02

PRECAUTION

The 4 RUNNER is equipped with an SRS (Supplemental Restraint System) such as the driver airbag and front passenger airbag. Failure to carry out service operation in the correct sequence could cause the SRS to unexpectedly deploy during servicing, possibly leading to a serious accident. Before servicing (including removal or installation of parts, inspection or replacement), be sure to read the precautionary notices in the RS section.

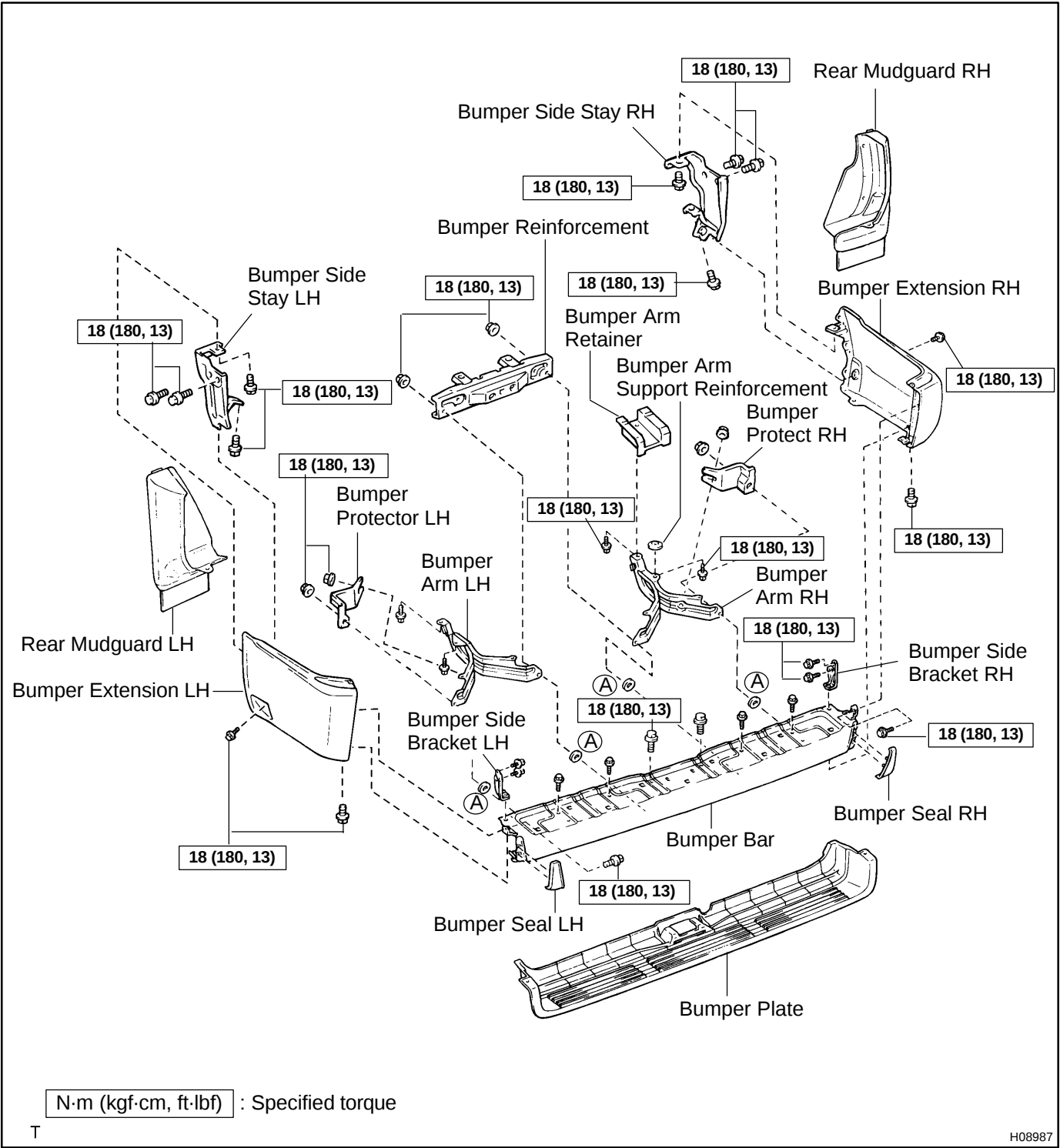
FRONT BUMPER COMPONENTS

BO0BL-02



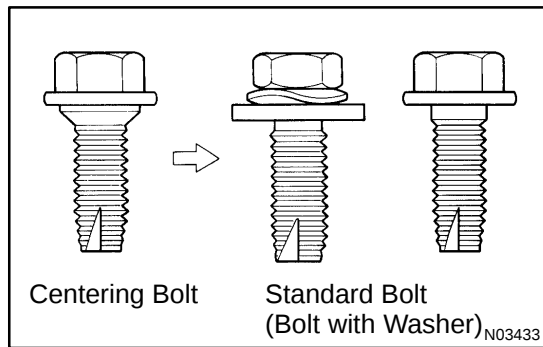
REAR BUMPER
COMPONENTS

BO0BM-02



HINT:
When assembling a washer plate "A", any number of the washer plates shown below can be used as required.

Washer plate part number	Thickness	mm (in.)	Washer plate part number	Thickness	mm (in.)
90201-08012	0.8	(0.031)	94613-10800	1.6	(0.063)
90201-08258	2.3	(0.091)	90201-08032	3.2	(0.126)

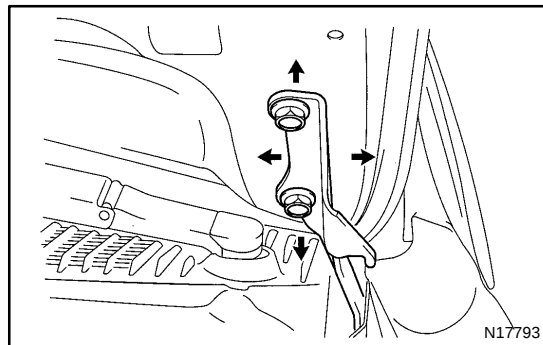


HOOD ADJUSTMENT

B00BN-02

1. SUBSTITUTE BOLT WITH WASHER FOR CENTERING BOLT

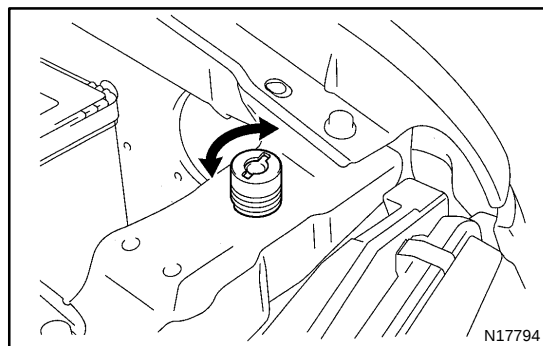
Since the centering bolt is used as the hood hinge set bolt, the hood cannot be adjusted with it on. Substitute the bolt with the washer for the centering bolt.



2. ADJUST HOOD IN FORWARD/REARWARD AND LEFT/RIGHT DIRECTIONS

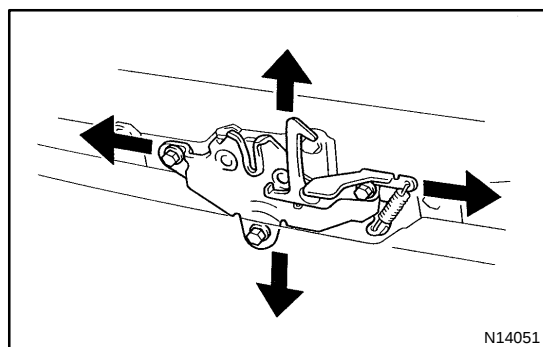
Adjust the hood by loosening the hood side hinge bolts.

Torque: 13 N·m (130 kgf·cm, 9 ft·lbf)



3. ADJUST FRONT EDGE OF HOOD IN VERTICAL DIRECTION

Adjust the hood by turning the cushions.



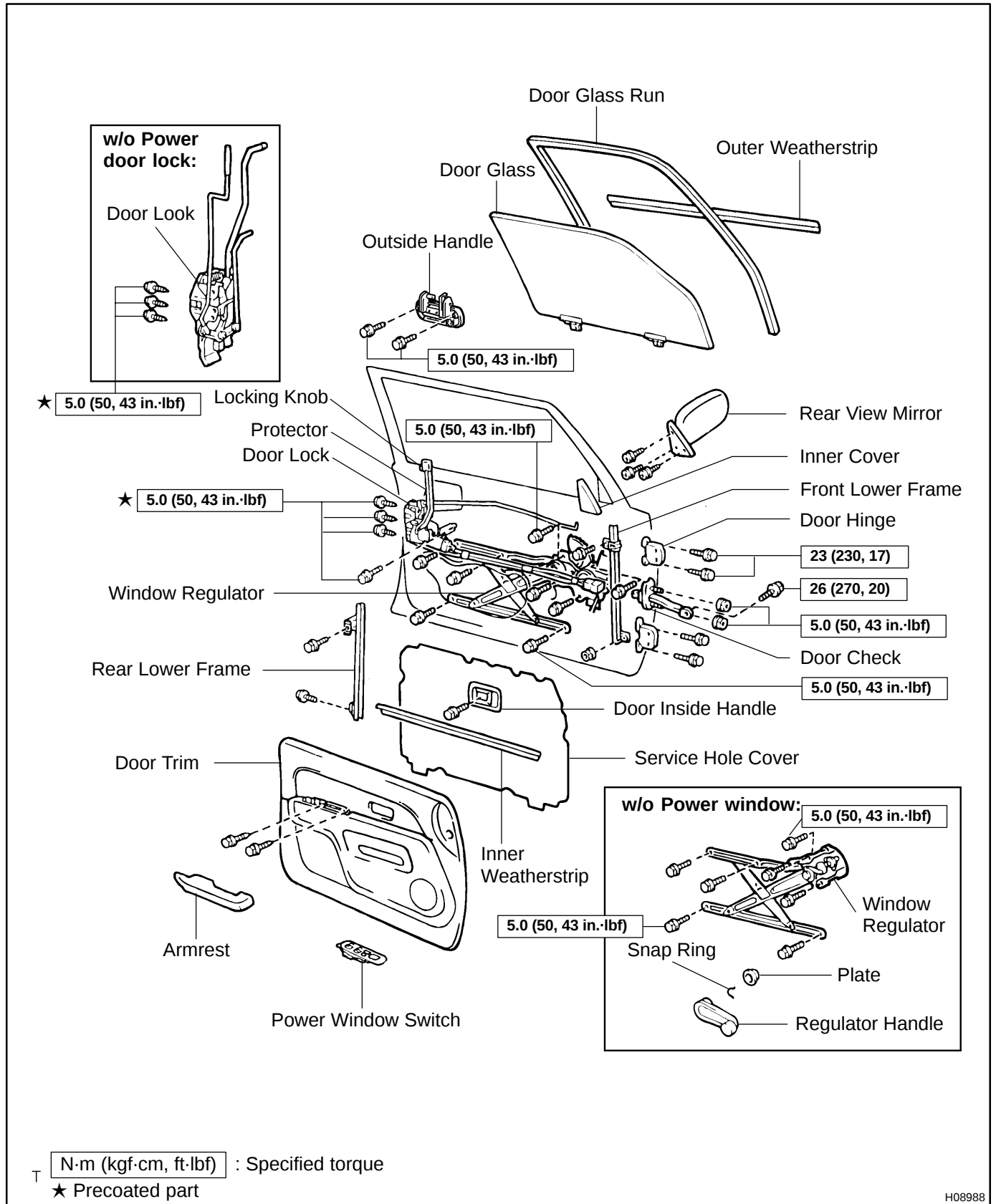
4. ADJUST HOOD LOCK

Adjust the lock by loosening the bolts.

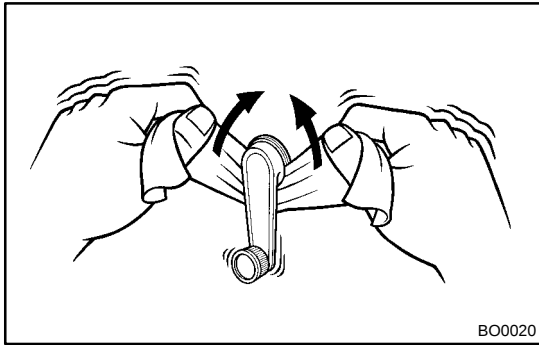
Torque: 7.8 N·m (80 kgf·cm, 69 in·lbf)

FRONT DOOR COMPONENTS

BO0BO-02



H08988



DISASSEMBLY

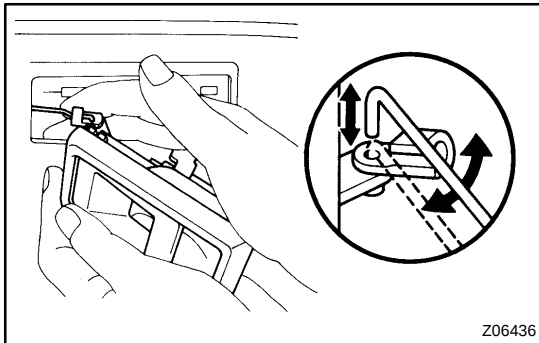
1. w/o Power window:

REMOVE REGULATOR HANDLE

Pull off the snap ring with a cloth and remove the regulator handle and plate.

HINT:

At the time of reassembly, please refer to the following item. With door window fully closed, install the plate and regulator handle with the snap ring.



2. REMOVE DOOR INSIDE HANDLE

- Remove the screw, and slide the handle forward.
- Disconnect the handle from the control link and remove the handle.

3. REMOVE ARMREST

Using a screwdriver, remove the armrest.

HINT:

Tape the screwdriver tip before use.

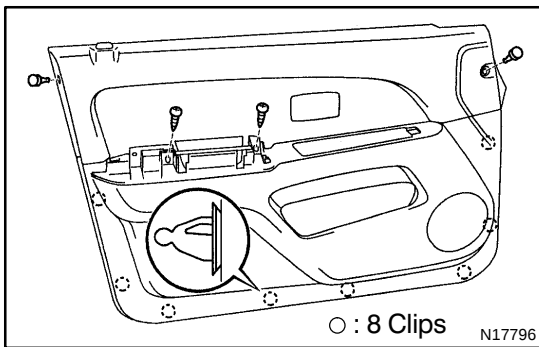
4. w/ Power window:

REMOVE POWER WINDOW SWITCH

Using a screwdriver, remove the power window switch by pulling upward, then disconnect the connector.

HINT:

Tape the screwdriver tip before use.



5. REMOVE DOOR TRIM

- Remove the 2 clips and 2 screws.
- Insert a screwdriver between the retainer and door trim to pry it loose.

HINT:

Tape the screwdriver tip before use.

- Pull the trim upward to remove it.

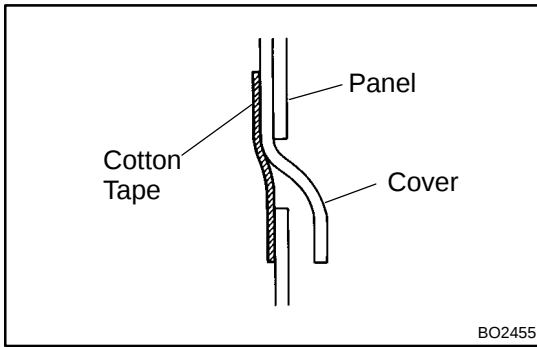
6. REMOVE INNER COVER AND REAR VIEW MIRROR

- Using a screwdriver, remove the inner cover.

HINT:

Tape the screwdriver tip before use.

- w/ Electrical retract system:
Disconnect the connector and remove the clip.
- Remove the 3 bolts and rear view mirror.



7. REMOVE SERVICE HOLE COVER

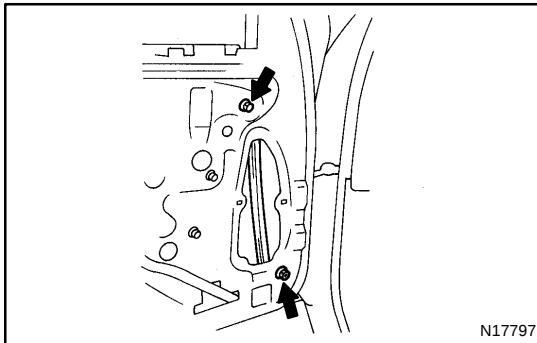
- (a) Remove the 2 grommets.
- (b) Remove the service hole cover.

HINT:

At the time of reassembly, please refer to the following item.
Bring out the link and connectors through the service hole cover.

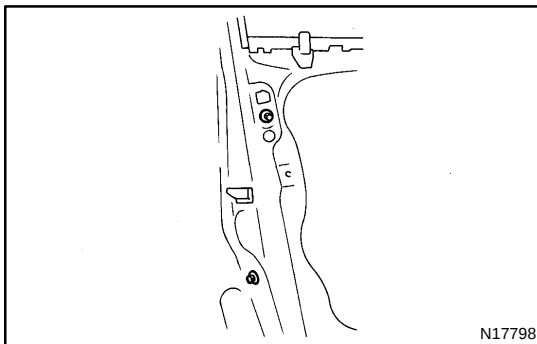
8. REMOVE INNER AND OUTER WEATHERSTRIP

Pry loose the clips from the edge of the panel, and remove the inner and outer weatherstrip.



9. REMOVE FRONT LOWER FRAME

- (a) Remove the bolt and nut.
- (b) Pull out the front lower frame.

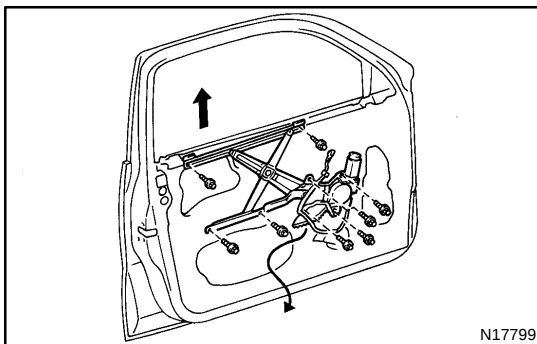


10. REMOVE REAR LOWER FRAME

- (a) Remove the 2 bolts.
- (b) Pull out the rear lower frame.

11. REMOVE DOOR GLASS RUN

12. REMOVE LOCKING KNOB AND PROTECTOR



13. REMOVE DOOR GLASS AND WINDOW REGULATOR

- (a) Remove the 2 glass channel mounting bolts.
Torque: 5.0 N·m (50 kgf·cm, 43 in·lbf)
- (b) Remove the glass by pulling it upward.

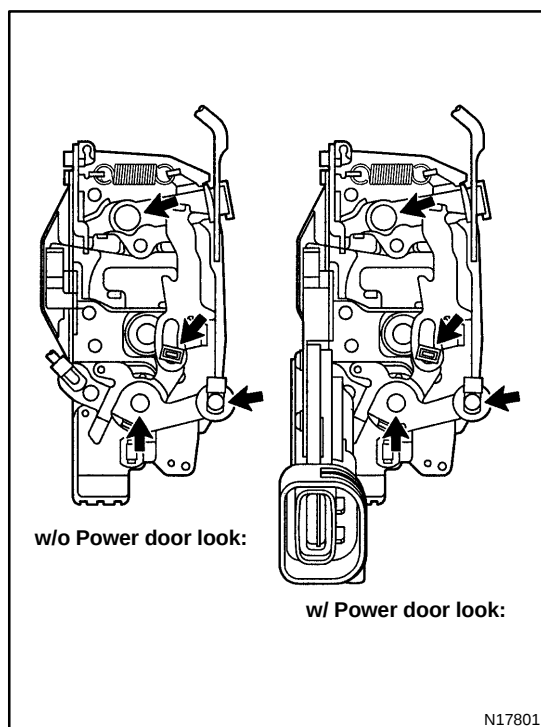
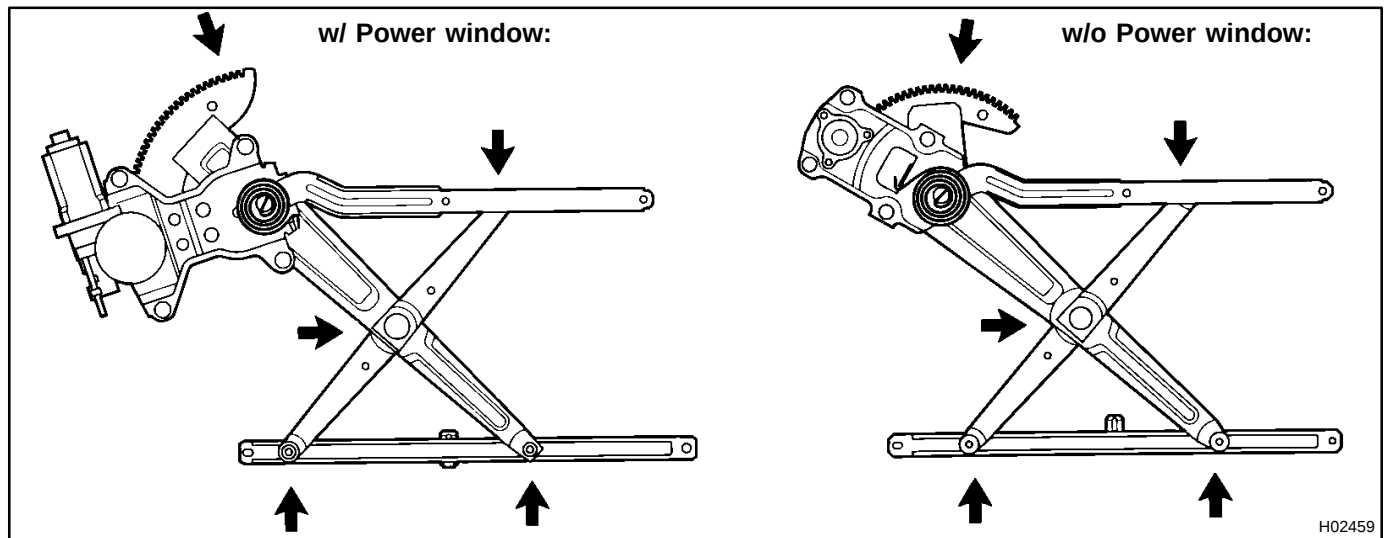
NOTICE:

Do not damage the door glass.

- (c) w/ Power window:
Disconnect the connector, then remove the 6 regulator mounting bolts.
Torque: 5.0 N·m (50 kgf·cm, 43 in·lbf)
- (d) w/o Power window:
Remove the 5 regulator mounting bolts.
Torque: 5.0 N·m (50 kgf·cm, 43 in·lbf)
- (e) Remove the regulator through the service hole.

HINT:

At the time of reassembly, please refer to the following item.
Apply MP grease to the window regulator rollers.

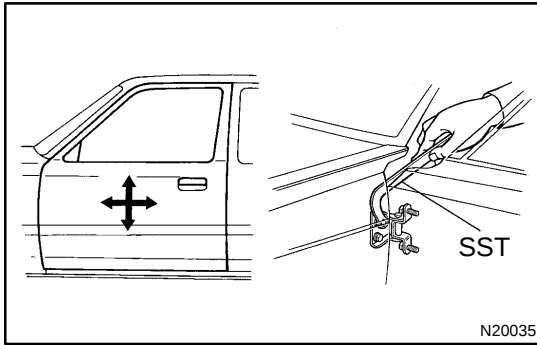
**14. REMOVE DOOR LOCK WITH OUTSIDE HANDLE**

- (a) Disconnect the link from the outside handle.
- (b) w/ Power door lock:
Disconnect the connector.
- (c) w/o Power door lock:
Remove the 3 torx screws from the door lock.
Torque: 5.0 N·m (50 kgf·cm, 43 in·lbf)
- (d) w/ Power door lock:
Remove the 3 torx screws and bolt from the door lock.
Torque: 5.0 N·m (50 kgf·cm, 43 in·lbf)

HINT:

At the time of reassembly, please refer to the following items.

- Apply adhesive to the 3 torx screws.
Part No. 08833-00070, THREE BOND 1324 or equivalent
 - Apply MP grease to the sliding and rotating parts of the door lock.
- (e) Remove the 2 bolts from the outside handle.
Torque: 5.0 N·m (50 kgf·cm, 43 in·lbf)
 - (f) Remove the door lock with outside handle through the service hole.
 - (g) Disconnect the link from the outside handle and remove the outside handle from the door lock.



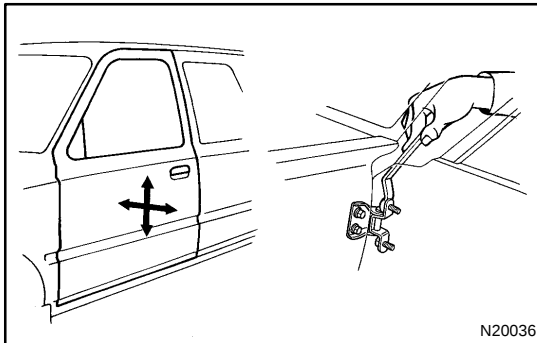
ADJUSTMENT

1. ADJUST DOOR IN FORWARD/REARWARD AND VERTICAL DIRECTIONS

Using SST, adjust the door by loosening the body side hinge bolts.

SST 09812-00010

Torque: 23 N·m (230 kgf·cm, 17 ft·lbf)



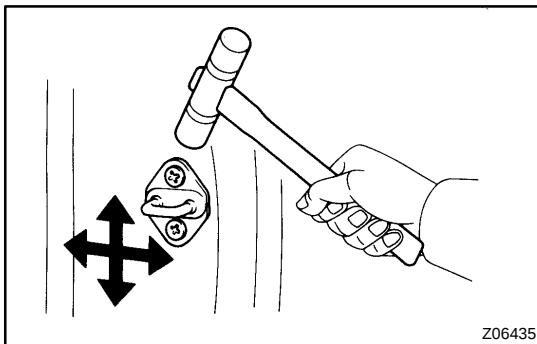
2. ADJUST DOOR IN LEFT/RIGHT AND VERTICAL DIRECTIONS

Loosen the door side hinge bolts to adjust.

HINT:

Substitute the standard bolt for the centering bolts (See page [BO-6](#)).

Torque: 23 N·m (230 kgf·cm, 17 ft·lbf)



3. ADJUST DOOR LOCK STRIKER

- Check that the door fit and door lock linkages are adjusted correctly.
- Adjust the striker position by slightly loosening the striker mounting screws, and hitting the striker with a hammer.
- Tighten the striker mounting screws again.

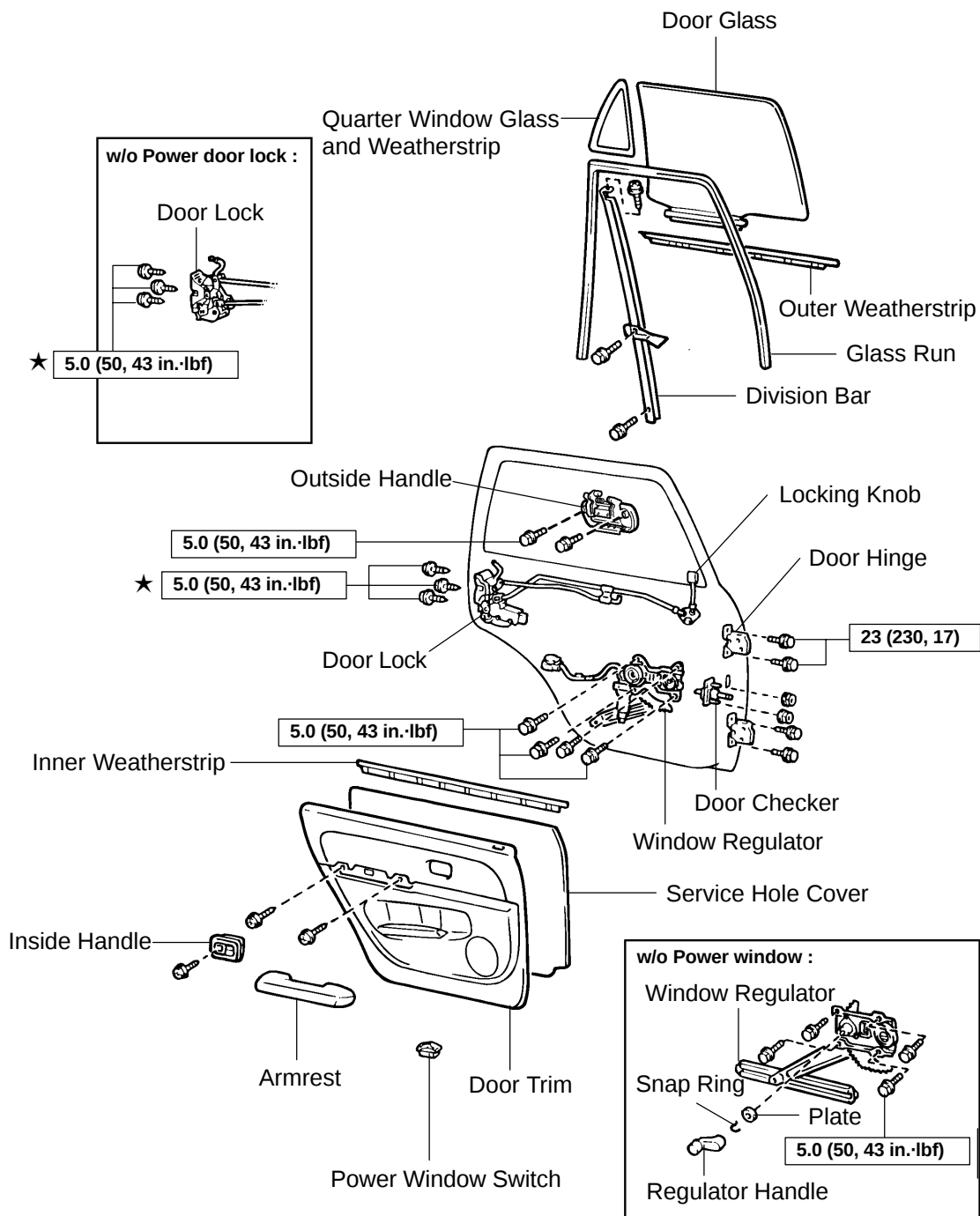
Torque: 13 N·m (130 kgf·cm, 9 ft·lbf)

REASSEMBLY

Reassembly is in the reverse order of disassembly (See page [BO-8](#)).

REAR DOOR COMPONENTS

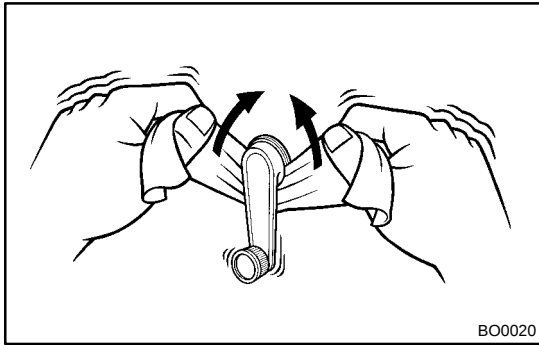
BO0BS-02



N·m (kgf·cm, ft·lbf) : Specified torque

★ Precoated part

H08989



DISASSEMBLY

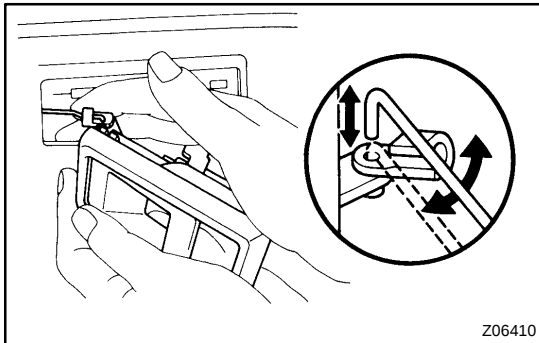
1. w/o Power window:

REMOVE REGULATOR HANDLE

Pull off the snap ring with a cloth and remove the regulator handle and plate.

HINT:

At the time of reassembly, please refer to the following item. With door window fully closed, install the plate and regulator handle with the snap ring.



2. REMOVE DOOR INSIDE HANDLE

- Remove the screw, and slide the handle forward.
- Disconnect the handle from the control link and remove the handle.
- Remove the grommet.

3. REMOVE ARMREST

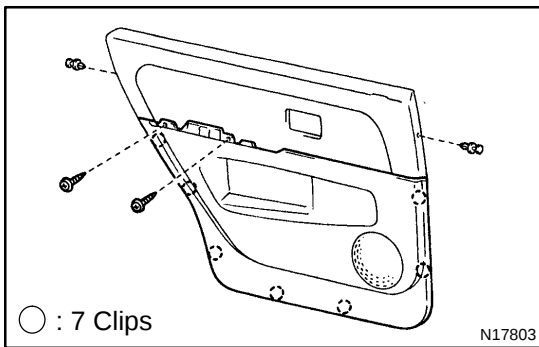
4. w/ Power window:

REMOVE POWER WINDOW SWITCH

Using a screwdriver, remove the power window switch by pulling upward, then disconnect the connector.

HINT:

Tape the screwdriver tip before use.



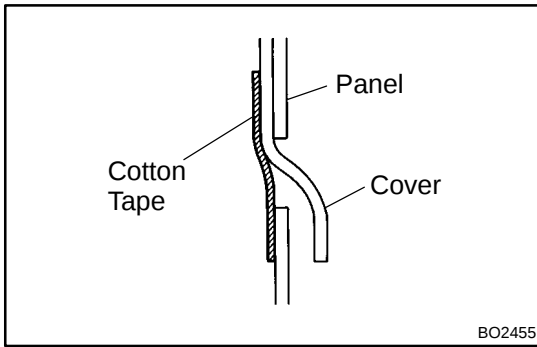
5. REMOVE DOOR TRIM

- Remove the 2 clips and 2 screws.
- Insert a screwdriver between the retainer and door trim to pry it loose.

HINT:

Tape the screwdriver tip before use.

- Pull the trim upward to remove it.



6. REMOVE SERVICE HOLE COVER

- (a) Remove the 2 grommets.
- (b) Remove the service hole cover.

HINT:

At the time of reassembly, please refer to the following item.
Bring out the link and connectors through the service hole cover.

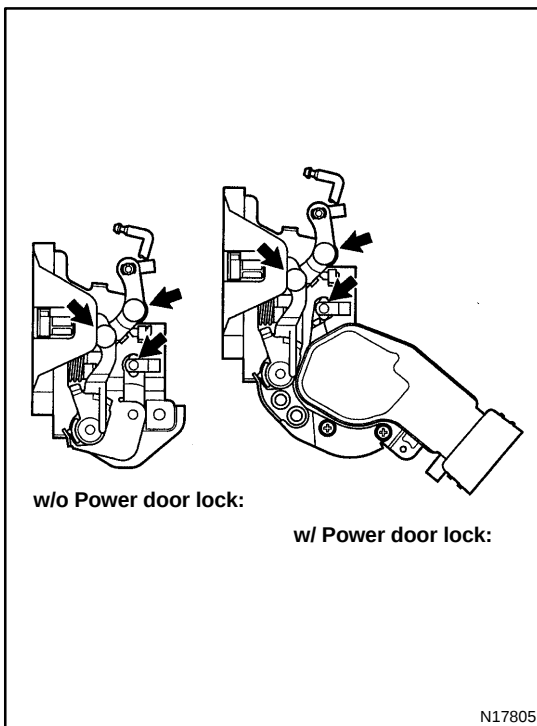
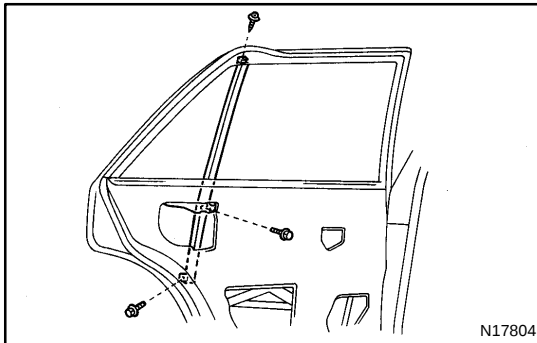
7. REMOVE INNER AND OUTER WEATHERSTRIP

Pry loose the clips from the edge of the panel, and remove the inner and outer weatherstrip.

8. REMOVE DIVISION BAR

- (a) Remove the screw under the weatherstrip.
- (b) Remove the 2 bolts from the door panel.
- (c) Pull out the division bar.

9. REMOVE QUARTER WINDOW GLASS WITH WEATHERSTRIP AND GLASS RUN



10. REMOVE DOOR LOCK AND OUTSIDE HANDLE

- (a) w/ Power door lock:
Disconnect the connector.
- (b) Remove the clip and pull down the locking knob.
- (c) Disconnect the control link from the outside handle.
- (d) Remove the 3 torx screws and door lock.

Torque: 5.0 N·m (50 kgf·cm, 43 in·lbf)

HINT:

At the time of reassembly, please refer to the following items.

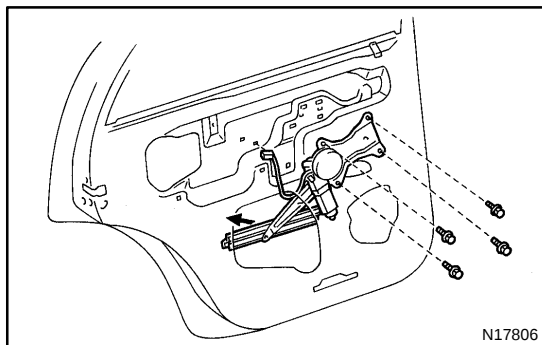
- Apply adhesive to the 3 screws.
Part No. 08833-00070, THREE BOND 1324 or equivalent
- Apply MP grease to the sliding and rotating parts of the door lock.

- (e) Remove the 2 bolts and outside handle.

Torque: 5.0 N·m (50 kgf·cm, 43 in·lbf)

11. REMOVE WINDOW REGULATOR AND GLASS

- (a) w/ Power window:
Disconnect the connector.



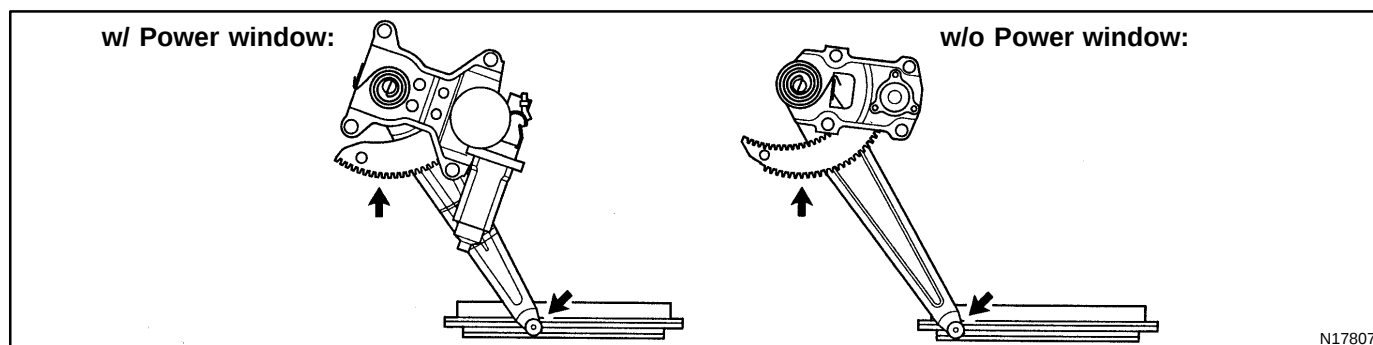
- (b) Remove the 4 regulator mounting bolts.
Torque: 5.0 N·m (50 kgf·cm, 43 in·lbf)
- (c) Slide the glass so that the regulator arm roller is released, as shown.
- (d) Remove the regulator and glass from the service hole.

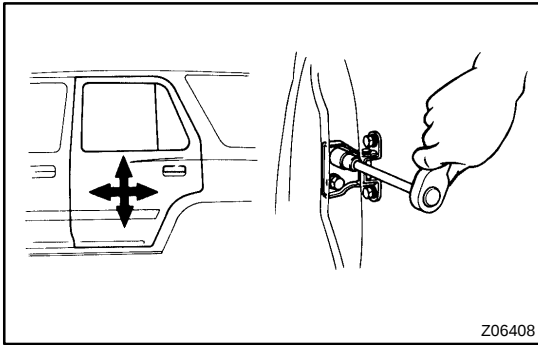
NOTICE:

Do not damage the door glass.

HINT:

At the time of reassembly, please refer to the following item.
Apply MP grease to the window regulator rollers as shown in the illustration.



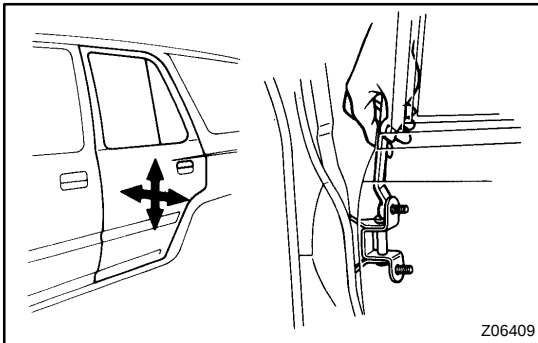


ADJUSTMENT

1. ADJUST DOOR IN FORWARD/REARWARD AND VERTICAL DIRECTIONS

Loosen the body side hinge bolts and nuts to adjust.

Torque: 23 N·m (230 kgf·cm, 17 ft·lbf)



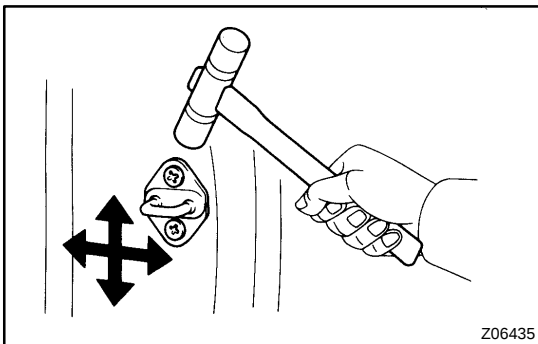
2. ADJUST DOOR IN LEFT/RIGHT AND VERTICAL DIRECTIONS

Loosen the door side hinge bolts to adjust.

HINT:

Substitute the standard bolt for the centering bolts
(See page [BO-6](#)).

Torque: 23 N·m (230 kgf·cm, 17 ft·lbf)



3. ADJUST DOOR LOCK STRIKER

- Check that the door fit and door lock linkages are adjusted correctly.
- Adjust the striker position by slightly loosening the striker mounting screws, and hitting the striker with a hammer.
- Tighten the striker mounting screws again.

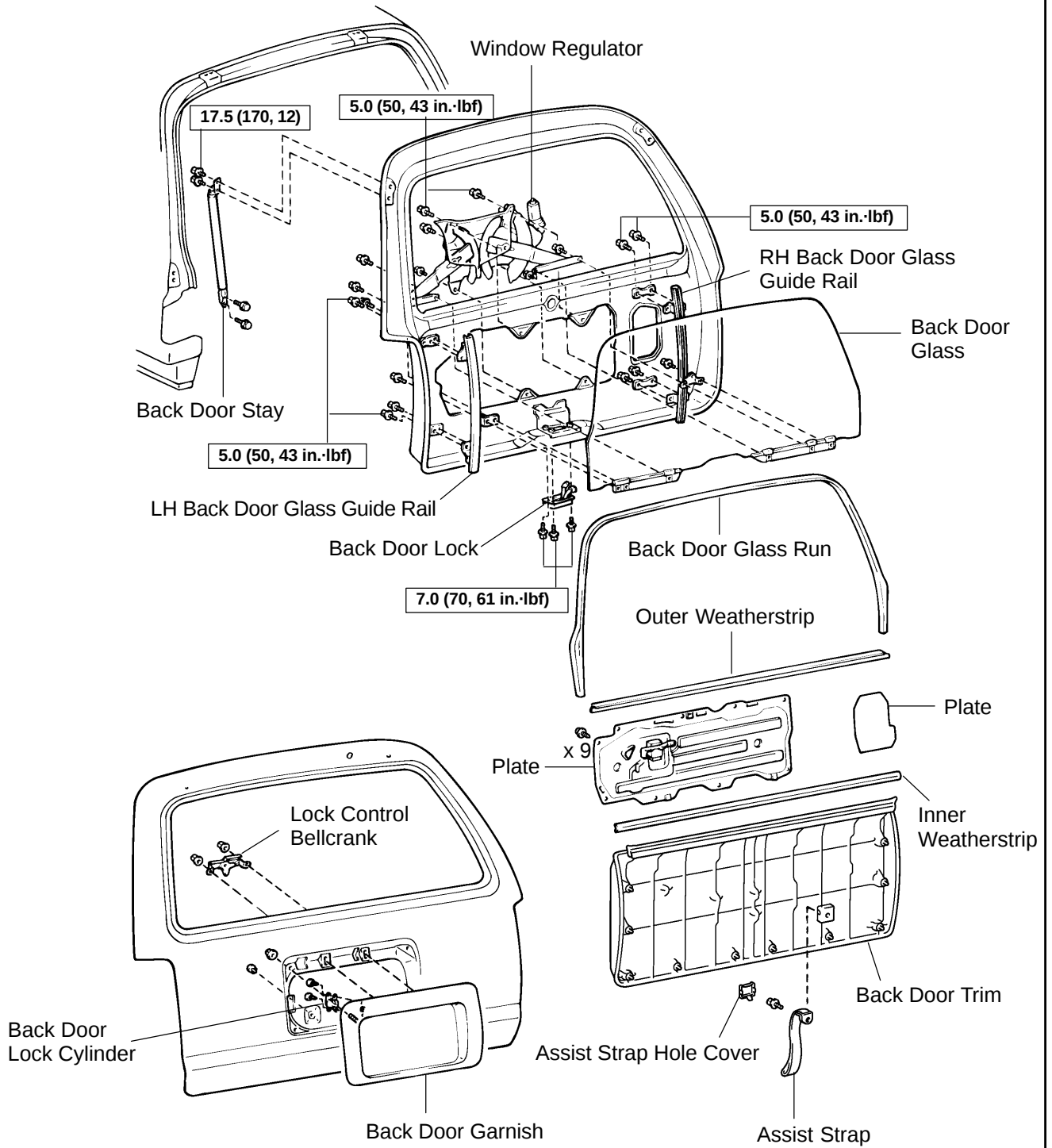
Torque: 13 N·m (130 kgf·cm, 9 ft·lbf)

REASSEMBLY

Reassembly is in the reverse order of disassembly (See page [BO-14](#)).

BACK DOOR COMPONENTS

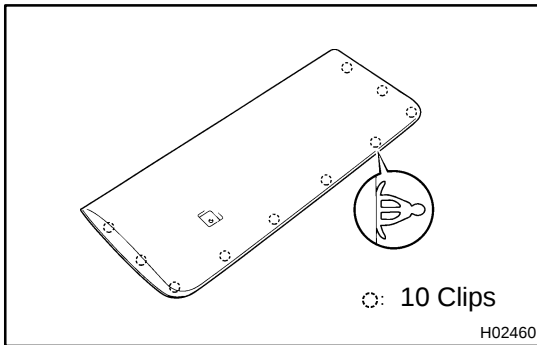
BO0BW-02



N·m (kgf·cm, ft·lbf) : Specified torque

T

H09010



DISASSEMBLY

1. REMOVE BACK DOOR TRIM

- (a) Remove the assist strap hole cover, bolt and assist strap.
- (b) Using a screwdriver, remove the back door trim.

HINT:

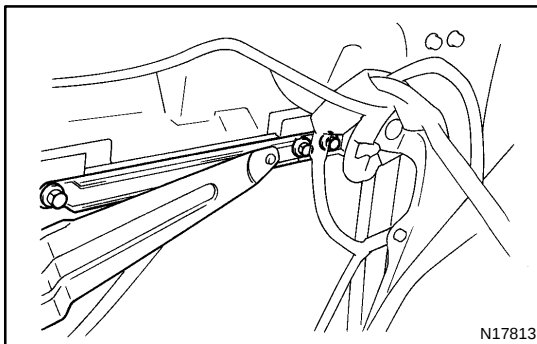
Tape the screwdriver tip before use.

2. REMOVE PLATE

- (a) Remove the 9 screws and plate.
- (b) Disconnect the connector.

3. REMOVE BACK DOOR GLASS RUN

4. REMOVE OUTER WEATHERSTRIP



5. REMOVE BACK DOOR GLASS

Remove the 6 bolts and door glass.

NOTICE:

Do not damage the door glass.

6. REMOVE WINDOW REGULATOR

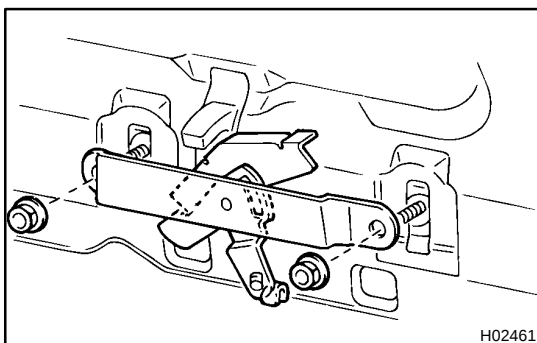
Remove the window regulator mounting bolts.

Torque: 5.0 N·m (50 kgf·cm, 43 in·lbf)

7. REMOVE LH AND RH BACK DOOR GLASS GUIDE RAIL

Remove the 8 bolts and LH and RH back door glass guide rails.

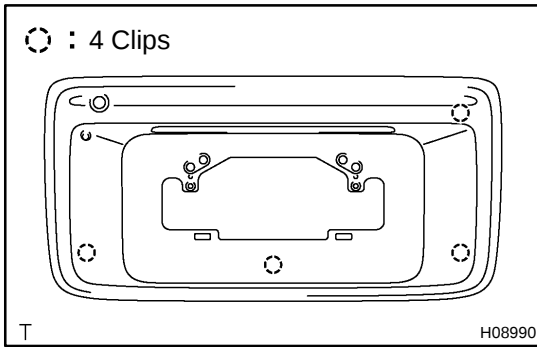
Torque: 5.0 N·m (50 kgf·cm, 43 in·lbf)



8. REMOVE LOCK CONTROL BELLCRANK

Remove the 2 nuts and lock control bellcrank.

9. REMOVE BACK DOOR REMOTE CONTROL

**10. REMOVE BACK DOOR GARNISH**

- (a) Remove the nut.
- (b) Using a screwdriver, remove the back door garnish.

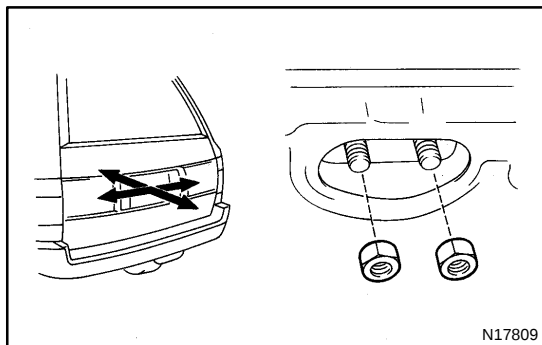
HINT:

Tape the screwdriver tip before use.

11. REMOVE BACK DOOR LOCK CYLINDER**12. REMOVE BACK DOOR LOCK**

Remove the 3 bolts and back door lock.

Torque: 7.0 N·m (70 kgf·cm, 61 in·lbf)

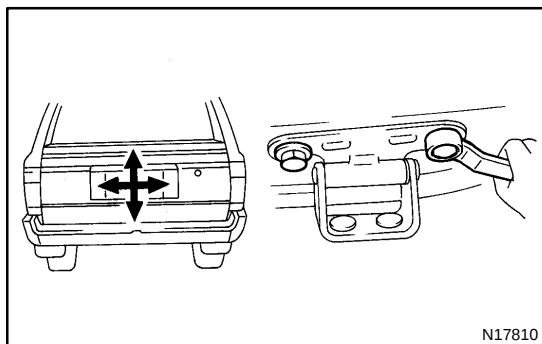


ADJUSTMENT

1. ADJUST DOOR IN FORWARD/REARWARD AND LEFT /RIGHT VERTICAL DIRECTIONS

Loosen the body side hinge nuts to adjust.

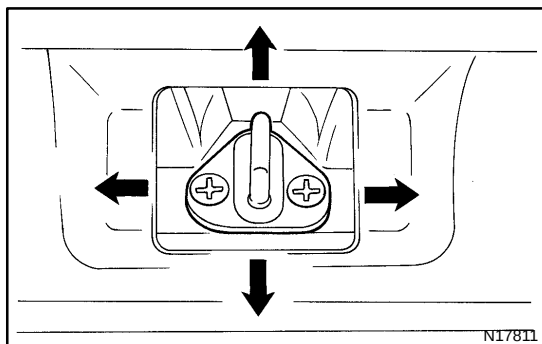
Torque: 33 N·m (330 kgf·cm, 25 ft·lbf)



2. ADJUST DOOR IN LEFT/RIGHT AND VERTICAL DIRECTIONS

Loosen the door side hinge bolts to adjust.

Torque: 23 N·m (230 kgf·cm, 17 ft·lbf)



3. ADJUST DOOR LOCK STRIKER

- Loosen the striker mounting screws to adjust.
- Using a plastic hammer, tap the striker to adjust it.

REASSEMBLY

Reassembly is in the reverse order of disassembly (See page [BO-20](#)).

BACK DOOR STAY REPLACEMENT

1. REMOVE BACK DOOR STAY

- (a) Remove the bolts and back door stay from the back door.

HINT:

While supporting the back door with your hand, remove the back door stay.

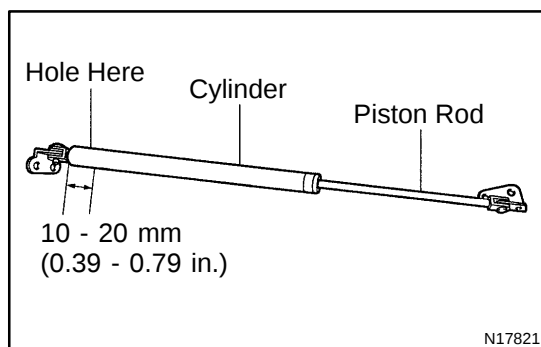
- (b) Remove the bolts and door stay from the body.

2. IF NECESSARY, REPLACE BACK DOOR STAY

NOTICE:

Handling the back door stay.

- Do not disassemble the back door stay because the cylinder is filled with pressured gas.



- If the back door stay is to be replaced, drill a 2.0 - 3.0 mm (0.079 - 0.118 in.) hole in the bottom of the back door stay as shown in the illustration to completely release the high-pressure gas before disposing of it.
- When drilling, chips may fly out so work carefully.
- The gas is colorless, odorless and non-toxic.
- When working, handle the back door stay carefully. Never score or scratch the exposed part of the piston rod, and never allow paint or oil to get on it.
- Do not turn the piston rod and cylinder with the back door stay fully extended.

3. INSTALL BACK DOOR STAY

- (a) Install the bolts and back door stay to the body.

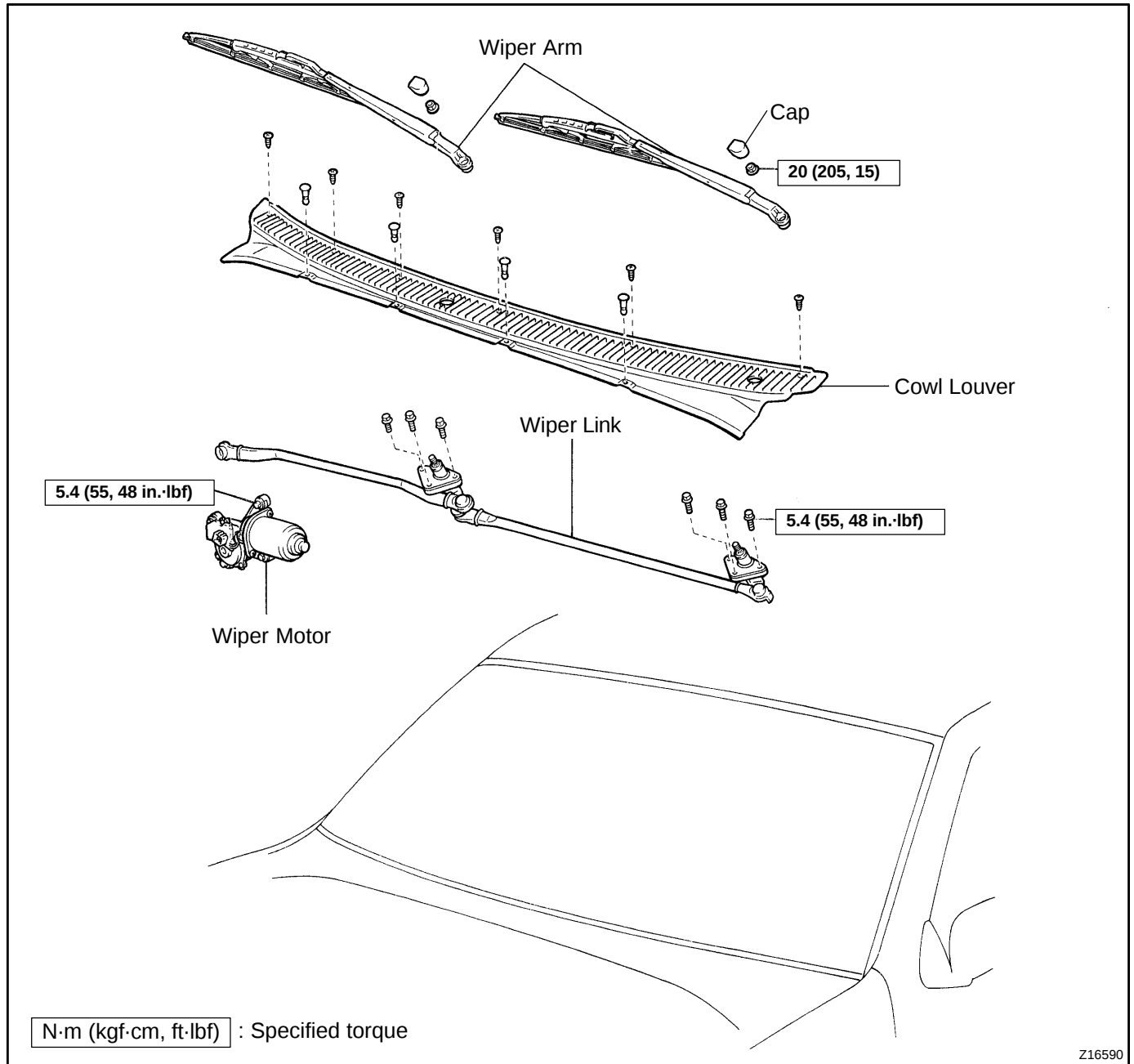
Torque: 17 N·m (170 kgf·cm, 12 ft·lbf)

- (b) Install the bolts and back door stay to the back door.

Torque: 17 N·m (170 kgf·cm, 12 ft·lbf)

FRONT WIPER AND WASHER COMPONENTS

B00C1-02



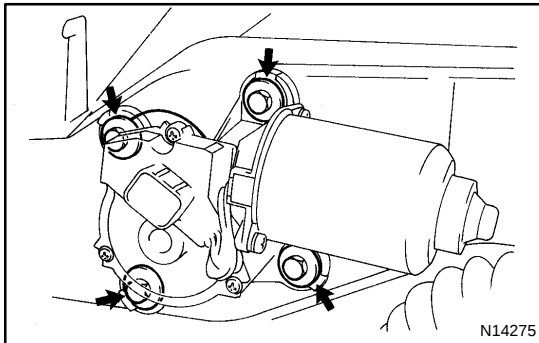
REMOVAL

1. REMOVE WIPER ARMS

Remove the 2 caps, 2 nuts and wiper arms.

2. REMOVE COWL LOUVER

Remove the 6 screws, 4 clips and cowl louver.



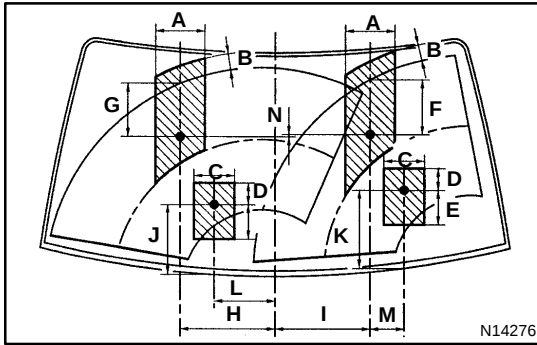
3. REMOVE WIPER MOTOR

Unfasten the 4 bolts and wiper motor.

4. REMOVE WIPER LINK

Remove the 6 bolts and wiper link.

5. REMOVE WINDOW WASHER NOZZLES

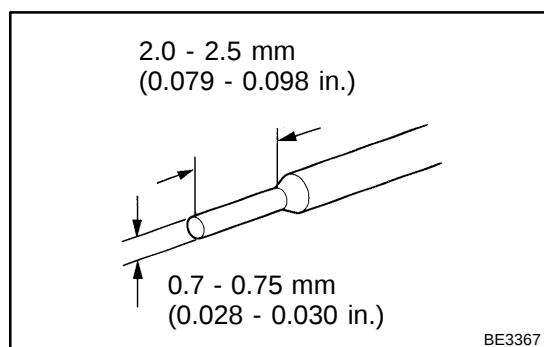


INSPECTION

INSPECT WASHER NOZZLE

While operating the washer, check that both the point where the washer fluid hits the windshield and the surge area are within the range indicated by the hatched line.

- A: Approx. 150 mm (5.91 in.)**
- B: Approx. 50 mm (1.97 in.)**
- C: Approx. 120 mm (4.72 in.)**
- D: Approx. 65 mm (2.56 in.)**
- E: Approx. 105 mm (4.13 in.)**
- F: Approx. 167 mm (6.57 in.)**
- G: Approx. 158.4 mm (6.24 in.)**
- H: Approx. 282.7 mm (11.13 in.)**
- I: Approx. 287.4 mm (11.31 in.)**
- J: Approx. 215.3 mm (8.48 in.)**
- K: Approx. 247.9 mm (9.76 in.)**
- L: Approx. 151.5 mm (5.96 in.)**
- M: Approx. 149.4 mm (5.88 in.)**
- N: Approx. 0 - 50 mm (0 - 1.97 in.)**



ADJUSTMENT

ADJUST WASHER NOZZLE

Using a tool like the one shown in the illustration, change the direction of the nozzle hole to adjust the point where washer fluid hits the windshield.

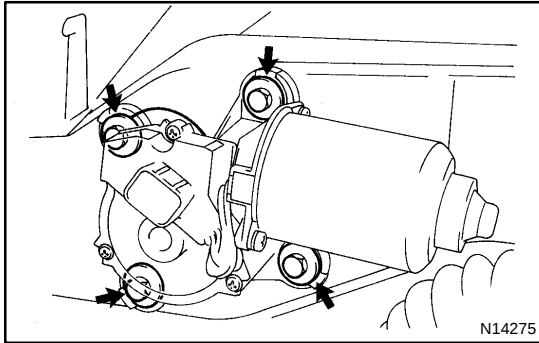
INSTALLATION

1. INSTALL WINDOW WASHER NOZZLES

2. INSTALL WIPER LINK

Install the wiper link with the 6 bolts.

Torque: 5.4 N·m (55 kgf·cm, 48 in·lbf)



3. INSTALL WIPER MOTOR

Install the wiper motor and fasten the 4 bolts.

Torque: 5.4 N·m (55 kgf·cm, 48 in·lbf)

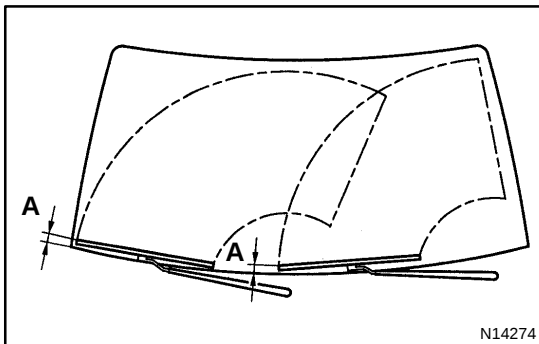
4. INSTALL COWL LOUVER

Install the cowl louver with the 6 screws and 4 clips.

5. INSTALL WIPER ARMS

(a) Operate the wipers once and turn the wiper switch OFF.

(b) Install the wiper arms and tighten the 2 nuts by hand.



(c) Adjust the installation positions of the wiper arms to the positions shown in the illustration.

A: Approx. 25 mm (0.98 in.)

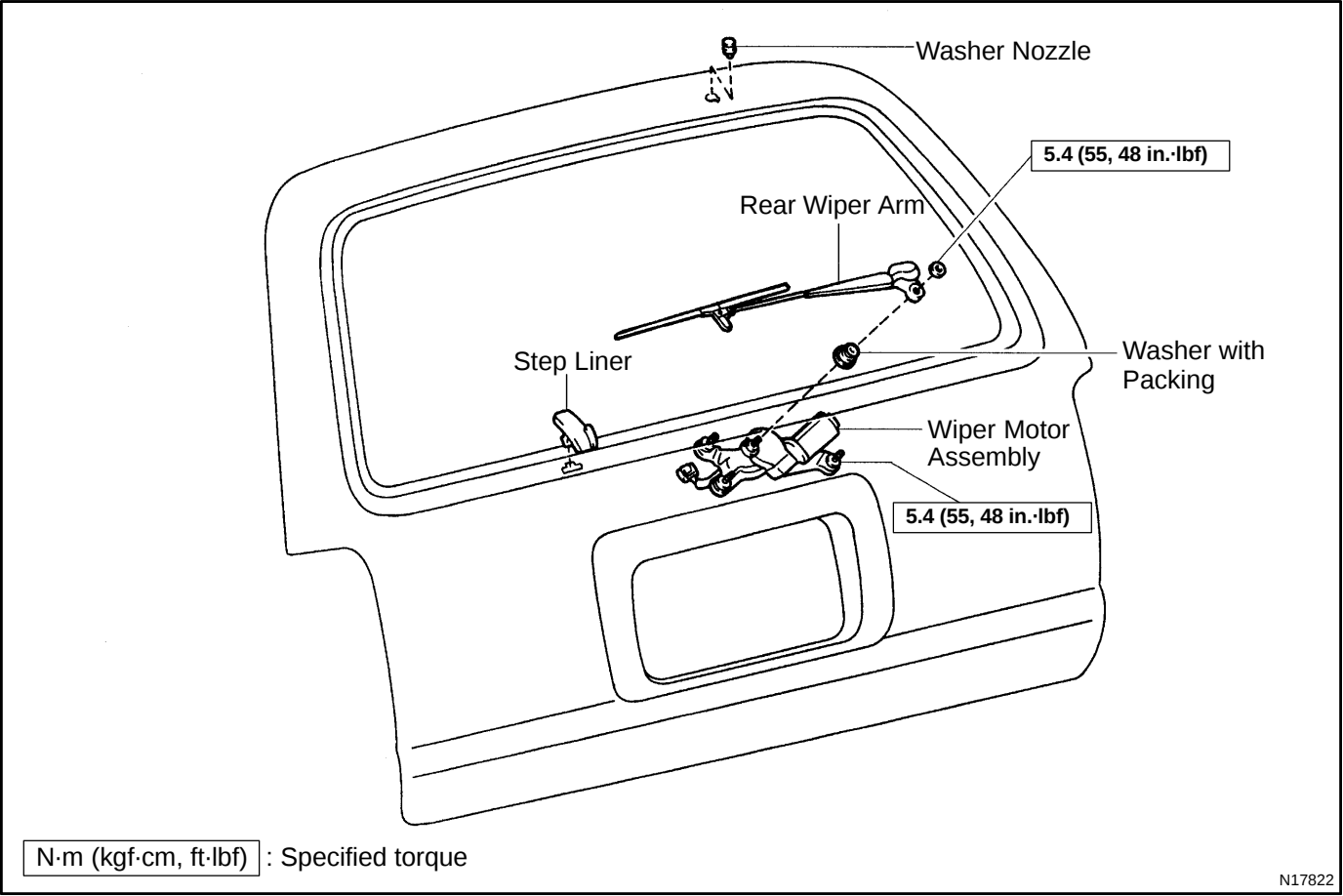
(d) Torque the 2 nuts.

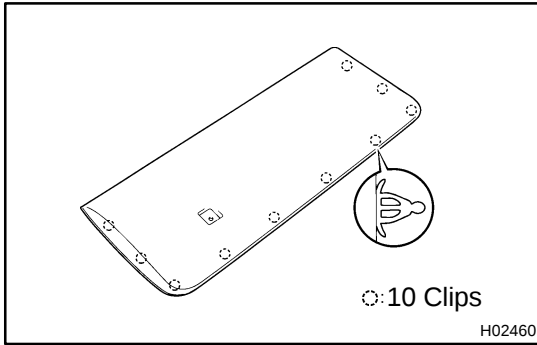
Torque: 20 N·m (205 kgf·cm, 15 ft·lbf)

(e) Install the 2 caps.

REAR WIPER AND WASHER COMPONENTS

B00C6-02





REMOVAL

1. REMOVE BACK DOOR TRIM

- (a) Remove the assist strap hole cover, bolt and assist strap.
- (b) Using a screwdriver, remove the back door trim.

HINT:

Tape the screwdriver tip before use.

2. REMOVE PLATE

- (a) Remove the 9 screws and plate.
- (b) Disconnect the connector.

3. REMOVE BACK DOOR GLASS RUN

4. REMOVE OUTER WEATHERSTRIP

5. REMOVE BACK DOOR GLASS

Remove the 6 bolts and door glass.

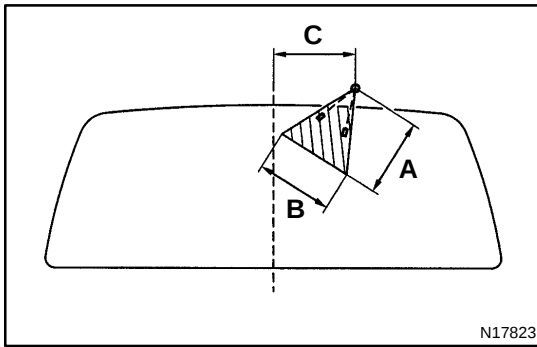
6. REMOVE REAR WIPER ARM

Remove the nut, wiper arm and washer with packing.

7. REMOVE REAR WIPER MOTOR ASSEMBLY

- (a) Disconnect the connector.
- (b) Unfasten the 3 wiper motor set bolts, and remove the wiper motor assembly.

8. REMOVE WASHER NOZZLE



INSPECTION

INSPECT REAR WASHER NOZZLE

While operating the washer, check whether the point where the washer fluid hits the back door glass and the upsurge area are within the range indicated by the hatched line.

A: Approx. 200 mm (7.87 in.)

B: Approx. 200 mm (7.87 in.)

C: Approx. 212.5 mm (8.366 in.)

INSTALLATION

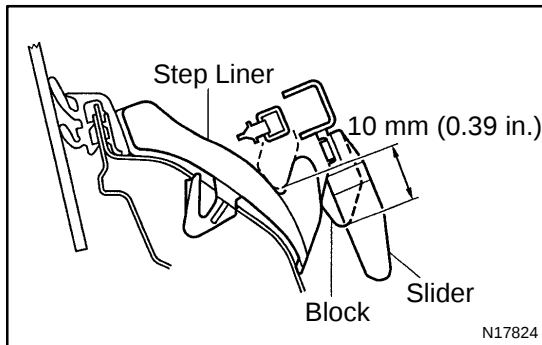
1. INSTALL WASHER NOZZLE

2. INSTALL REAR WIPER MOTOR ASSEMBLY

- (a) Install the rear wiper motor assembly with the 3 wiper motor set bolts.

Torque: 5.4 N·m (55 kgf·cm, 48 in.·lbf)

- (b) Connect the connector.



3. INSTALL REAR WIPER ARM

- (a) Install the washer with packing.
- (b) Operate the wiper once and turn the wiper switch OFF and install the wiper arm.
- (c) When assembling the rear wiper arm, slide the slider 10 mm (0.39 in.) to the lower side, and tighten the wiper arm set nut with the step liner on the block, as shown in the illustration.

Torque: 5.4 N·m (55 kgf·cm, 48 in.·lbf)

4. INSTALL BACK DOOR GLASS

5. INSTALL OUTER WEATHERSTRIP

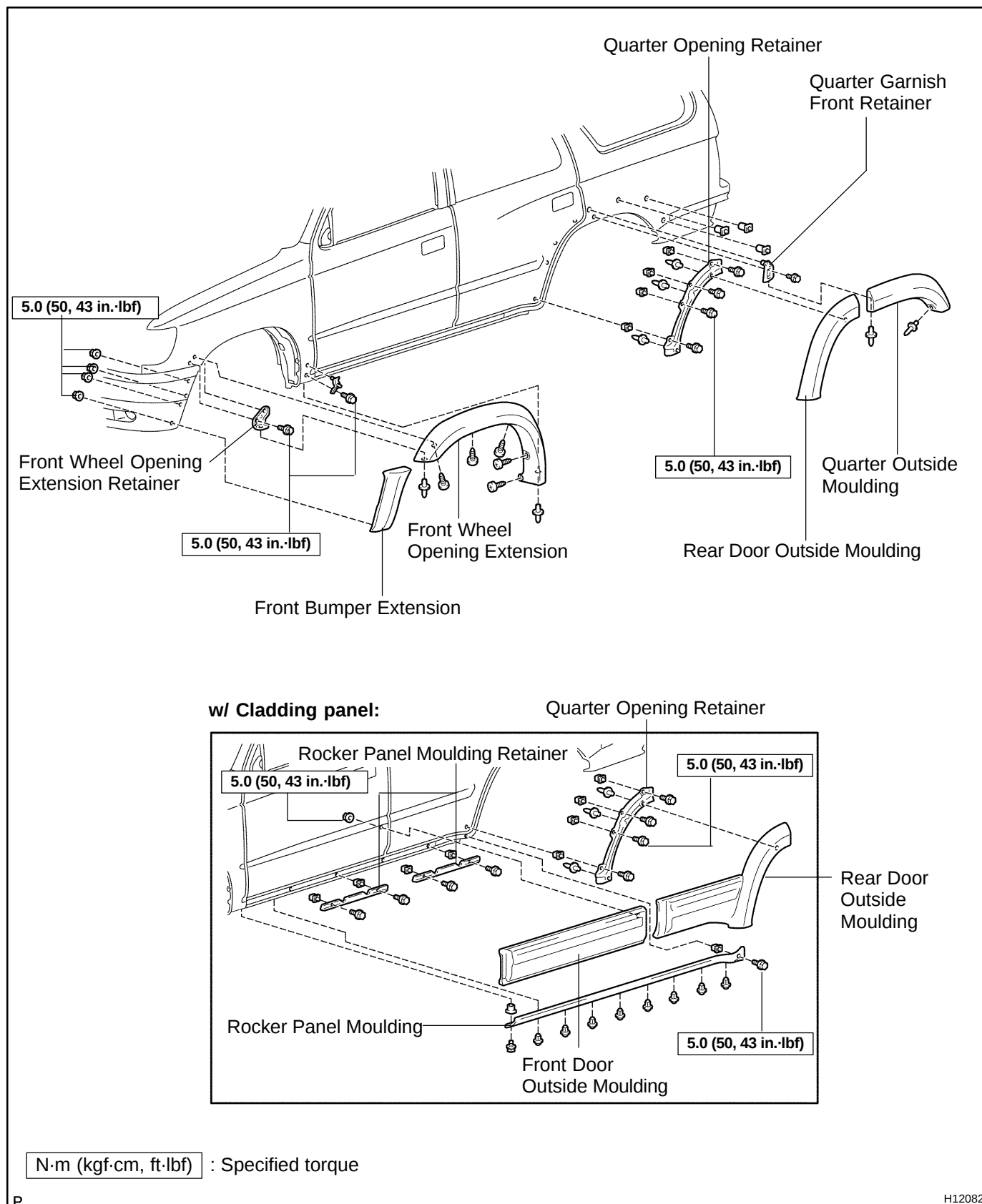
6. INSTALL BACK DOOR GLASS RUN

7. INSTALL PLATE

8. INSTALL BACK DOOR TRIM

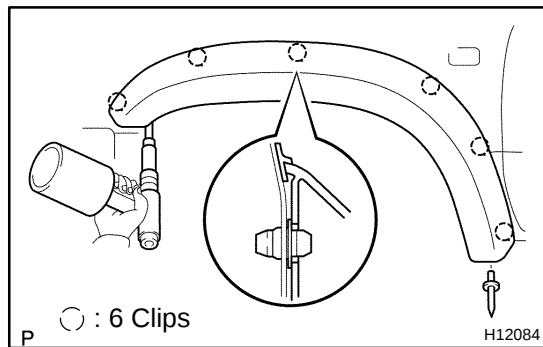
BODY OUTSIDE MOULDING COMPONENTS

BOOCA-03



P

H12082



INSTALLATION

1. INSTALL FRONT BUMPER EXTENSION

Install the front bumper extension with the 4 nuts.

Torque: 5.0 N·m (50 kgf·cm, 43 in·lbf)

2. INSTALL FRONT FENDER LINER

3. INSTALL FRONT WHEEL OPENING EXTENSION

(a) Install the front wheel opening extension retainer with the bolt.

Torque: 5.0 N·m (50 kgf·cm, 43 in·lbf)

(b) Using a riveter, install 2 new rivets and front wheel opening extension.

HINT:

- Install them with the rivet firmly pressed perpendicularly against the installation hole.
- When installing new rivets, use ones of proper part numbers.

Front side: 53888-35010

Rear side: 90269-04047

(c) Tighten the 5 bolts.

4. INSTALL FRONT MUDGUARD

5. INSTALL FRONT WHEEL

6. w/ Cladding panel:

INSTALL FRONT DOOR OUTSIDE MOULDING

(a) Clean the body moulding surface.

(1) Using a heat light, heat the body moulding surface to 40 - 60 °C (104 - 140 °F).

(2) Remove the adhesive tape from the body.

(3) Wipe off the stain with cleaner.

(b) If reusing the moulding:

Clean the front door outside moulding.

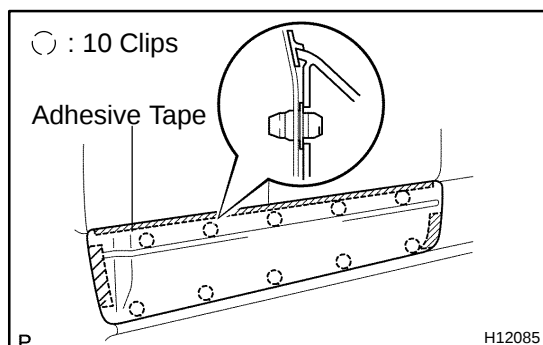
(1) Using a heat light, heat the moulding to 20 - 30 °C (68 - 86 °F).

NOTICE:

Do not heat the moulding excessively.

(2) Remove the adhesive tape from the moulding.

(3) Wipe off the stains with cleaner.



(4) Apply new adhesive tapes to the moulding as shown in the illustration.

(c) Install the front door outside moulding.

(1) Using a heat light, heat the body and moulding.

Body: 40 - 60 °C (104 - 140 °F)

Moulding: 20 - 30 °C (68 - 86 °F)

NOTICE:

Do not heat the moulding excessively.

(2) Lift the moulding release sheet from face of moulding.

NOTICE:

When the moulding release sheet is removed, make sure that no dirt or dust can get onto the uncoated area.

- (3) Align the bosses with their corresponding holes in the body, and press firmly on the moulding.

NOTICE:

Do not apply excessive force onto the moulding, but steady pressure with your thumbs.

- (4) Torque the nut.

Torque: 5.0 N·m (50 kgf·cm, 43 in·lbf)

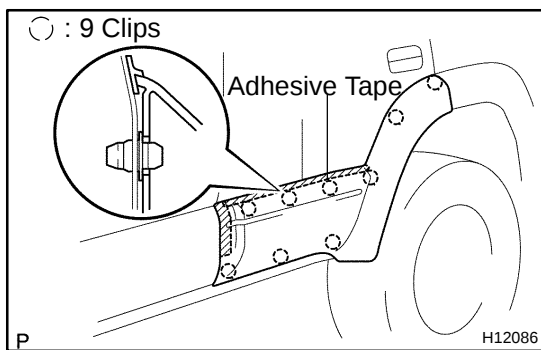
7. w/ Cladding panel:**INSTALL REAR DOOR OUTSIDE MOULDING**

- (a) Clean the body mounting surface.
 - (1) Using a heat light, heat the body moulding surface to 40 - 60 °C (104 - 140 °F).
 - (2) Remove the adhesive tape from the body.
 - (3) Wipe off the stain with cleaner.
- (b) If reusing the moulding:
 - Clean the front door outside moulding.
 - (1) Using a heat light, heat the moulding to 20 - 30 °C (68 - 86 °F).

NOTICE:

Do not heat the moulding excessively.

- (2) Remove the adhesive tape from the moulding.
- (3) Wipe off the stains with cleaner.



- (4) Apply new adhesive tapes to the moulding as shown in the illustration.
 - (c) Install the quarter opening retainer with the 4 bolts.
 - (d) Install the rear door outside moulding.
 - (1) Using a heat light, heat the body and moulding.
- Body: 40 - 60 °C (104 - 140 °F)**
Moulding: 20 - 30 °C (68 - 86 °F)

NOTICE:

Do not heat the moulding excessively.

- (2) Lift the moulding release sheet from face of moulding.

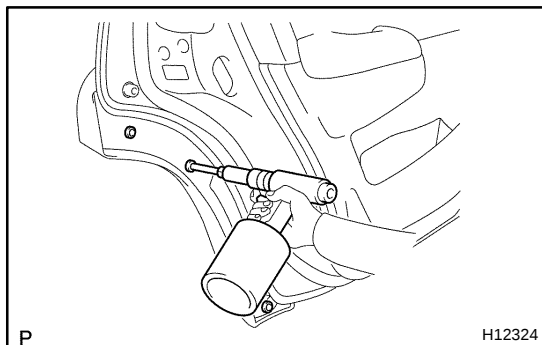
NOTICE:

When the moulding release sheet is removed, make sure that no dirt or dust can get onto the uncoated area.

- (3) Align the bosses with their corresponding holes in the body, and press firmly on the moulding.

NOTICE:

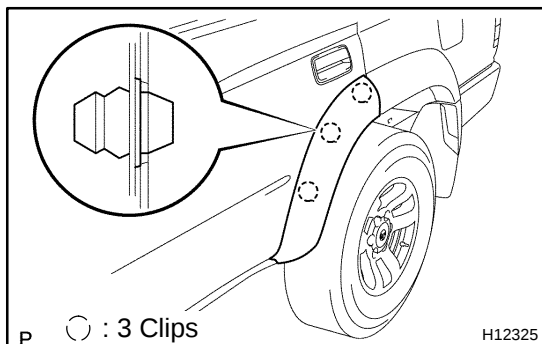
Do not apply excessive force onto the moulding, but steady pressure with your thumbs.



- (4) Using a riveter, install 3 new rivets and rear door outside moulding.

HINT:

Install them with the rivet firmly pressed perpendicularly against the installation hole.



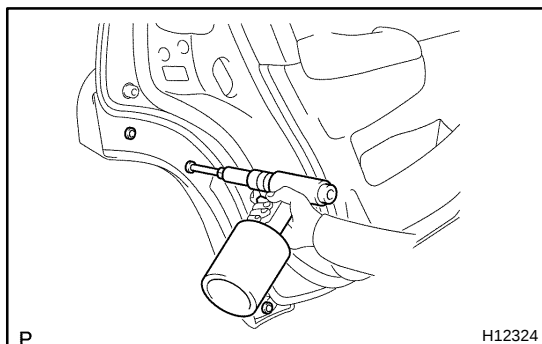
8. w/o Cladding panel:

INSTALL REAR DOOR OUTSIDE MOULDING

- (a) Install the quarter opening retainer with the 4 bolts.
(b) Install the rear door outside moulding.

HINT:

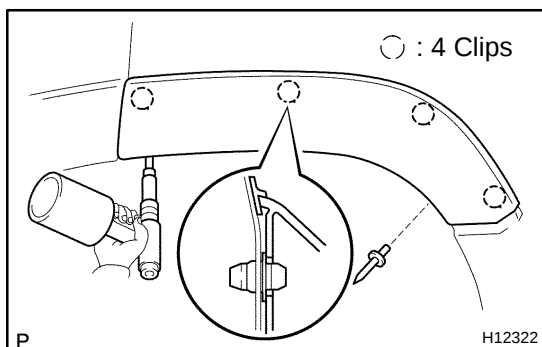
Align the bosses with their corresponding holes in the body, and press firmly on the moulding.



- (c) Using a riveter, install 3 new rivets and rear door outside moulding.

HINT:

Install them with the rivet firmly pressed perpendicularly against the installation hole.



9. INSTALL QUARTER OUTSIDE MOULDING

- (a) Install the quarter garnish front retainer with the bolt.
Torque: 5.0 N·m (50 kgf·cm, 43 in·lbf)
(b) Using a riveter, install 2 new rivets and quarter outside moulding.

HINT:

Install them with the rivet firmly pressed perpendicularly against the installation hole.

- (c) Install the rear wheel.

10. INSTALL ROCKER PANEL MOULDING

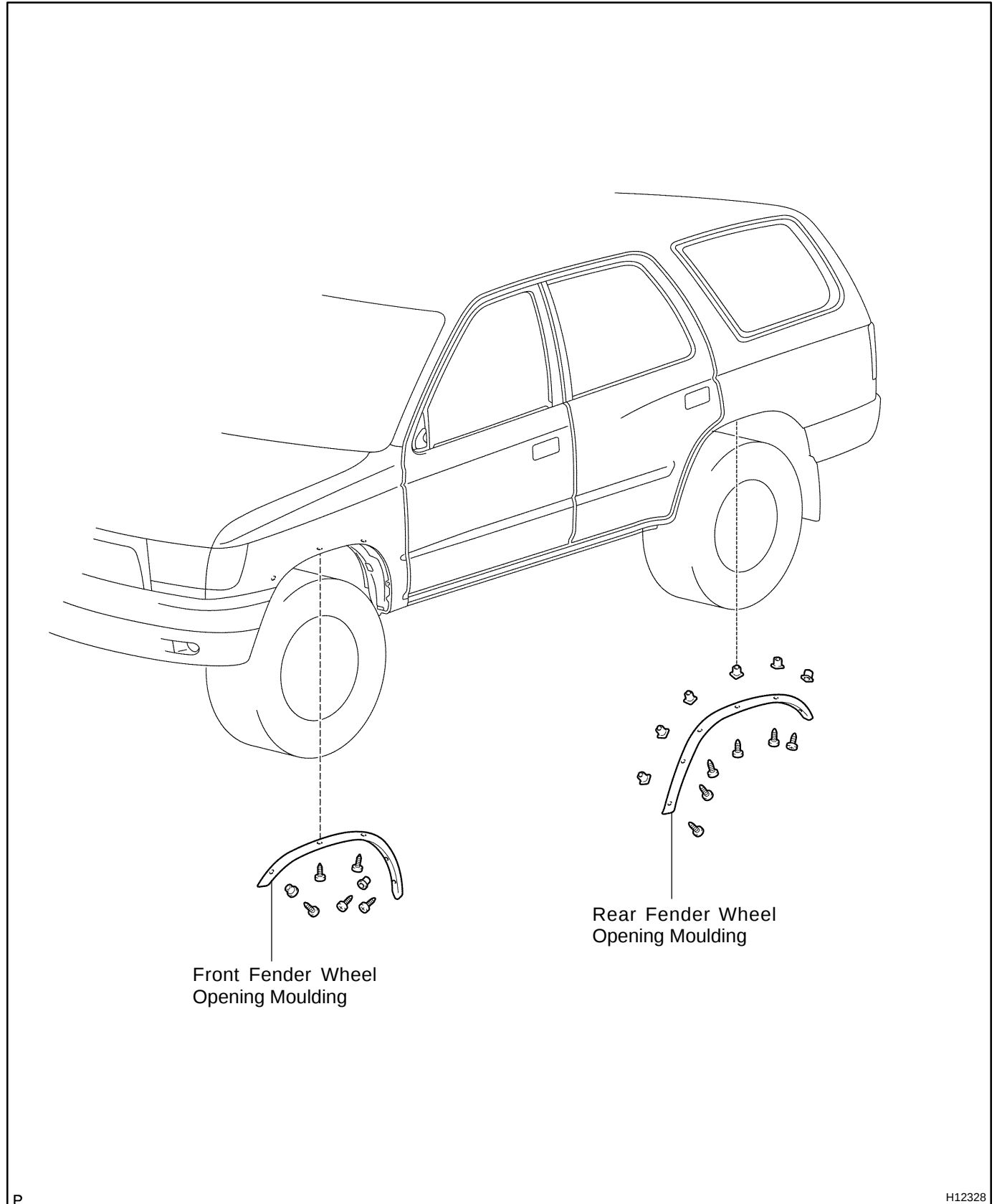
- (a) Install the rocker panel moulding retainers with the 4 screws.
(b) Install the rocker panel moulding with the 2 screws.

HINT:

Install them with the rivet firmly pressed perpendicularly against the installation hole.

WHEEL ARCH MOULDING COMPONENTS

BO2N4-01



REMOVAL

1. REMOVE FRONT FENDER WHEEL OPENING MOULDING

- (a) Remove the 5 screws.
- (b) Remove the front fender wheel opening moulding.

2. REMOVE QUARTER WHEEL OPENING MOULDING

- (a) Remove the 6 screws.
- (b) Remove the quarter wheel opening moulding.

INSTALLATION

1. INSTALL QUARTER WHEEL OPENING MOULDING

Install the quarter wheel opening moulding with the 6 screws.

Torque:5.0 N·m (50 kgf·cm, 43 in·lbf)

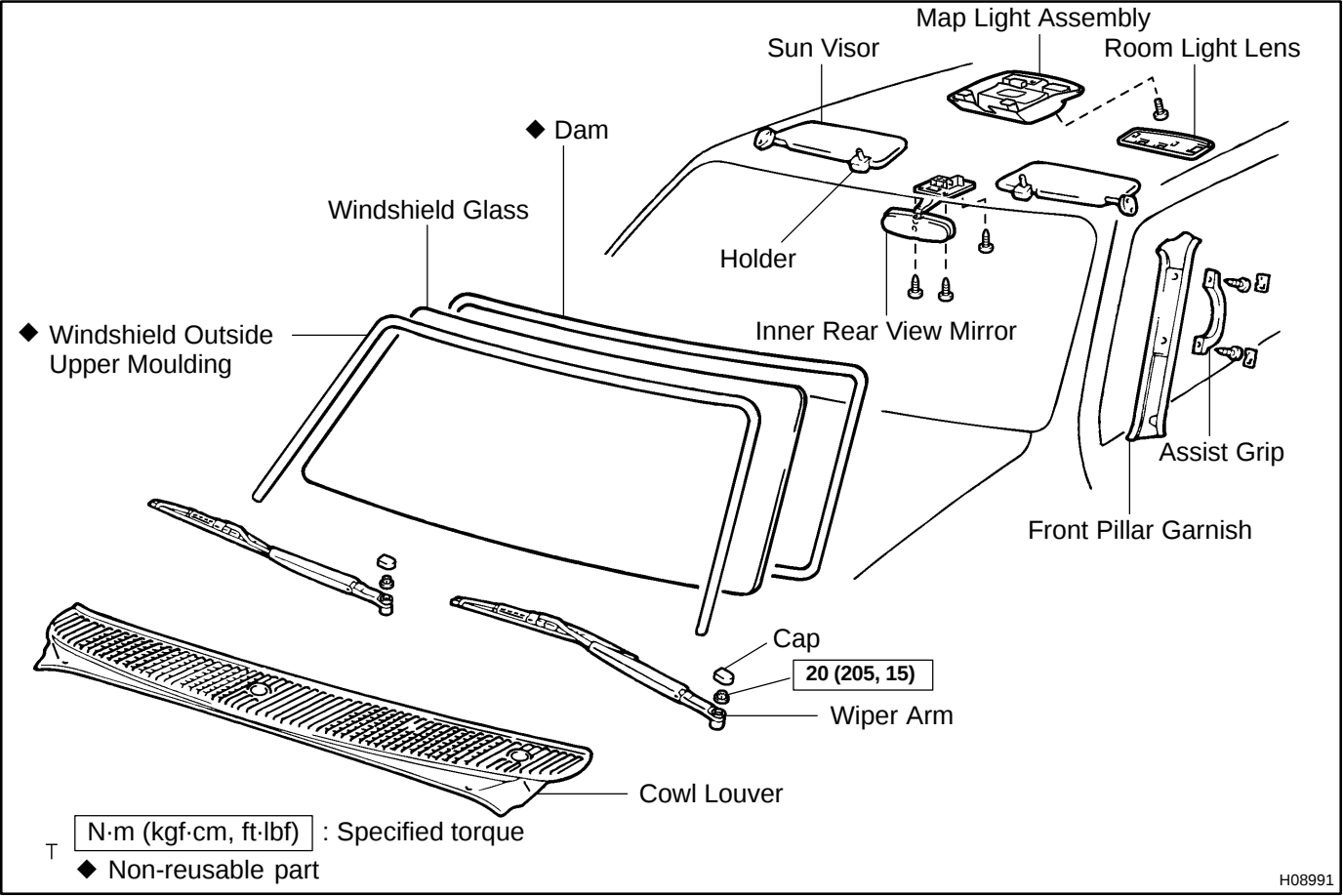
2. REMOVE FRONT FENDER WHEEL OPENING MOULDING

Install the front fender wheel opening moulding with the 5 screws.

Torque:5.0 N·m (50 kgf·cm, 43 in·lbf)

WINDSHIELD
COMPONENTS

BO0CD-02



REMOVAL

1. REMOVE ROOM LIGHT LENS AND MAP LIGHT ASSEMBLY

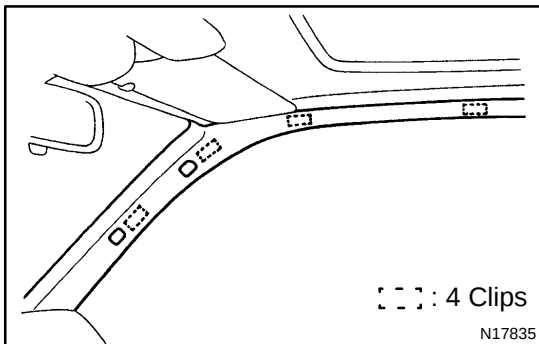
- (a) Remove the room light lens, screw and map light assembly.
- (b) Disconnect the connector.

2. REMOVE INNER REAR VIEW MIRROR

Remove the 3 screws and inner rear view mirror.

3. REMOVE SUN VISORS AND HOLDERS

4. REMOVE ASSIST GRIPS



5. REMOVE FRONT PILLAR GARNISH

- (a) Using a screwdriver, remove the front pillar garnish.

HINT:

Tape the screwdriver tip before use.

- (b) Employ the same manner described above to the other side.

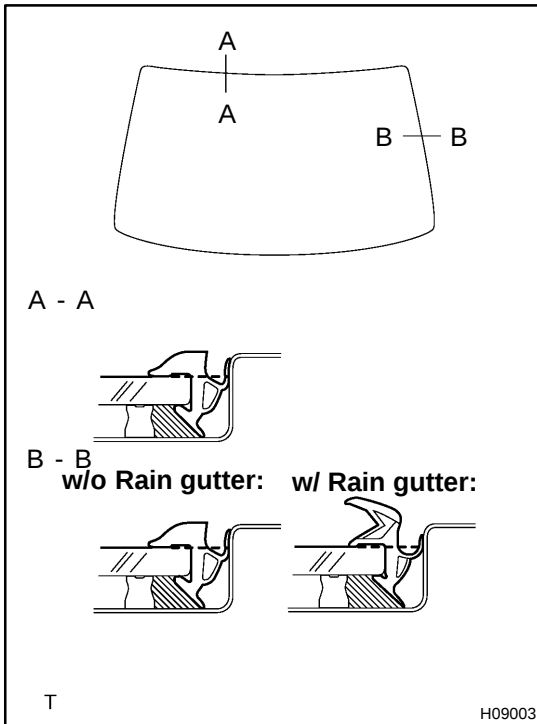
6. REMOVE WIPER ARMS

Remove the 2 caps, 2 nuts and wiper arms.

7. REMOVE COWL LOUVER

Remove the 6 screws, 4 clips and cowl louver.

8. REMOVE WEATHERSTRIP AND PROTECTOR



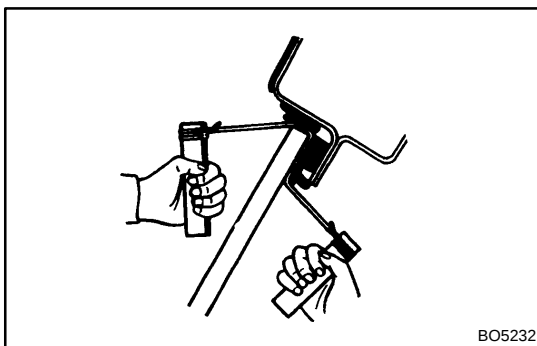
9. REMOVE WINDSHIELD OUTSIDE UPPER MOULDING

- (a) Using a knife, cut off the moulding, as shown in the illustration.

NOTICE:

Do not damage the body with the knife.

- (b) Remove the remaining moulding.



10. REMOVE WINDSHIELD GLASS

- (a) Push piano wire through between the body and glass from the interior.

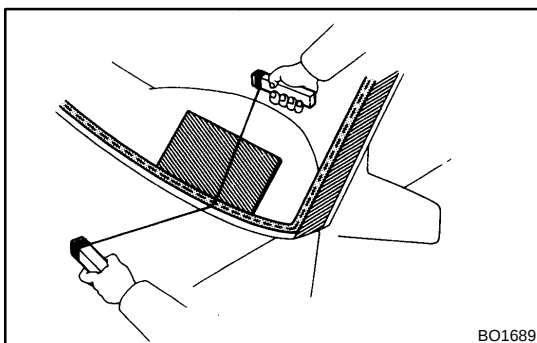
- (b) Tie both wire ends to a wooden block or similar object.

HINT:

Apply protective tape to the outer surface to keep the surface from the being scratched.

NOTICE:

When separating the glass, take care not to damage the paint and interior and exterior ornaments. To prevent scratching the safety pad when removing the windshield, place a plastic sheet between the piano wire and safety pad.

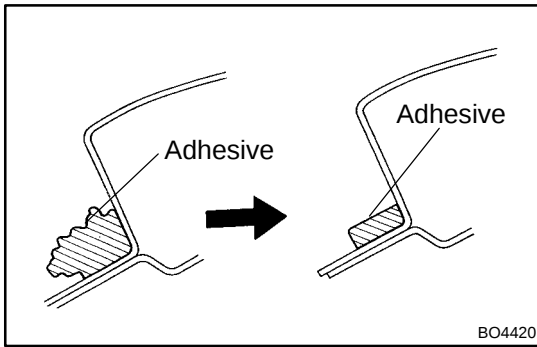


- (c) Cut the adhesive by pulling the piano wire around it.

- (d) Remove the glass.

NOTICE:

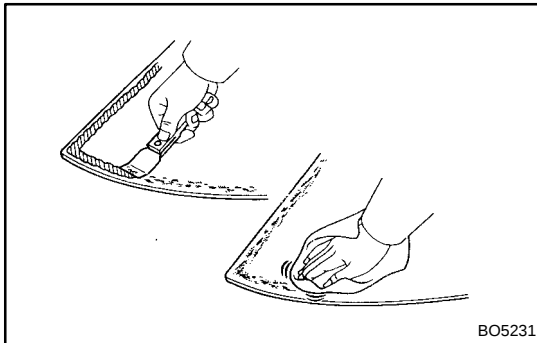
Leave as much of the adhesive on the body as possible when cutting off the glass.



INSTALLATION

- 1. CLEAN AND SHAPE CONTACT SURFACE OF BODY**
 - (a) Using a knife, cut away any rough areas on the body.

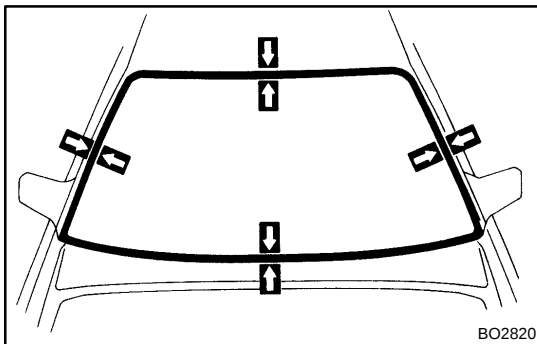
HINT:
Leave as much of the adhesive on the body as possible.
 - (b) Clean the cutting surface of the adhesive with a piece of shop rag saturated in cleaner.
- HINT:**
Even if all the adhesive has been removed, clean the body.



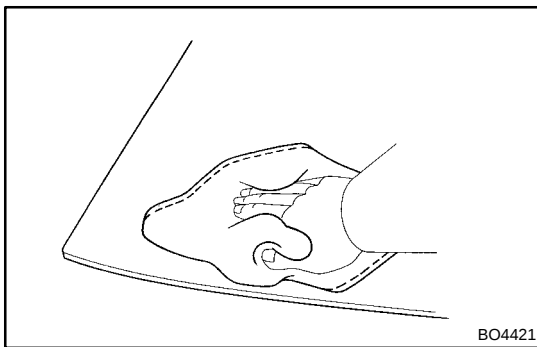
- 2. CLEAN REMOVED GLASS**
 - (a) Remove the damaged dam.
 - (b) Using a scraper, remove the adhesive sticking to the glass.
 - (c) Clean the glass with cleaner.

NOTICE:

- **Be careful not to damage the glass.**
- **Do not touch the glass after cleaning it.**



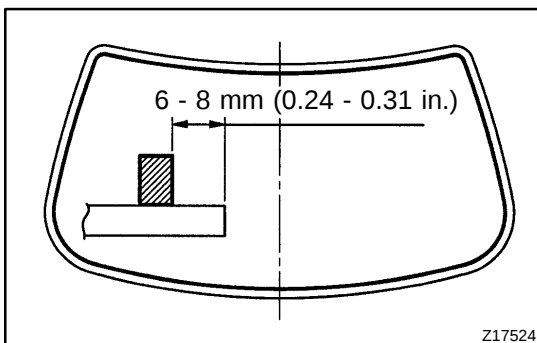
- 3. POSITION GLASS**
 - (a) Place the glass in the correct position.
 - (b) Check that all contacting parts of the glass rim are perfectly even and do not make contact with the spacers.
 - (c) Place reference marks between the glass and body.
 - (d) Remove the glass.



- 4. CLEAN CONTACT SURFACE OF GLASS**
Using a cleaner, clean the contact surface which is black-colored area around the entire glass rim.

NOTICE:

Do not touch the glass face after cleaning it.

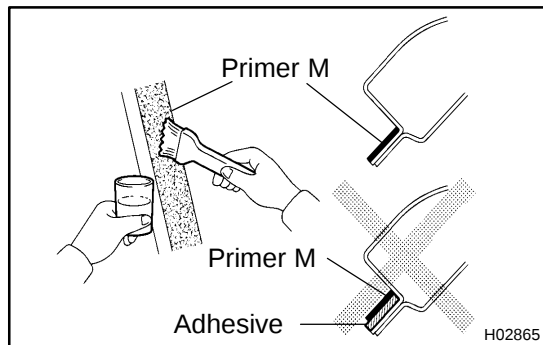


- 5. INSTALL NEW DAM**

Install new dam with double-stick tape as shown in the illustration.

NOTICE:

Do not touch the glass face after cleaning it.

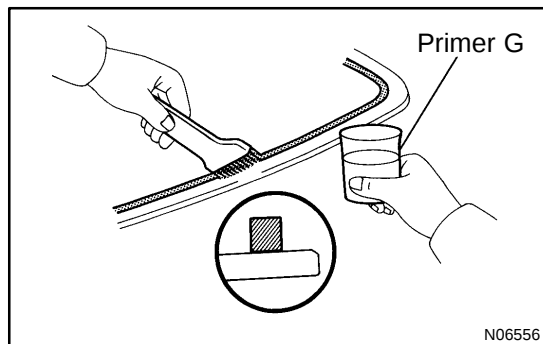


6. COAT CONTACT SURFACE OF BODY WITH PRIMER "M"

Using a brush, coat Primer M to the exposed part of body on the vehicle side.

NOTICE:

- Let the primer coating dry for 3 minutes or more.
- Do not coat Primer M to the adhesive.
- Do not keep any of the opened Primer M for later use.



7. COAT CONTACT SURFACE OF GLASS WITH PRIMER "G"

- Using a brush or sponge, coat the edge of the glass and the contact surface with Primer G.
- Before the primer dries, wipe it off with a clean shop rag.

NOTICE:

- Let the primer coating dry for 3 minutes or more.
- Do not keep any of the opened Primer G for later use.

8. APPLY ADHESIVE

- Cut off the tip of the cartridge nozzle.

Part No. 08850-00801 or equivalent

HINT:

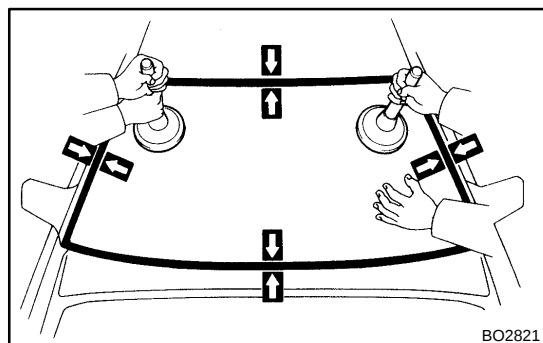
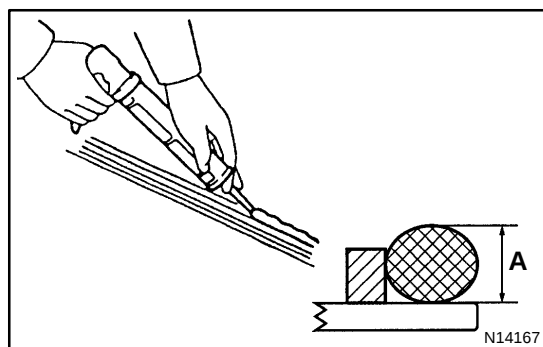
After cutting off the tip, use all adhesive within the time described in the table below.

Temperature	Tackfree time
35°C (95 °F)	15 minutes
20°C (68 °F)	100 minutes
5°C (41 °F)	8 hours

- Load the cartridge into the sealer gun.
- Coat the glass with adhesive, as shown.

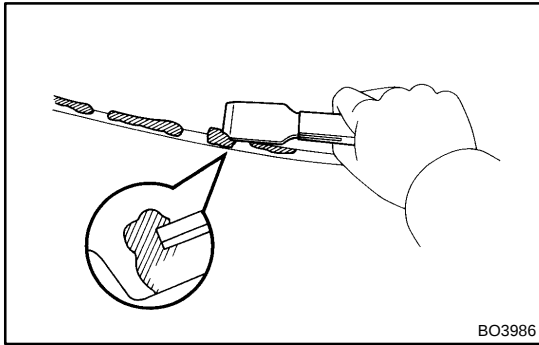
Adhesive height:

A: 8 - 12 mm (0.31 - 0.47 in.)



9. INSTALL GLASS

- Position the glass so that the reference marks are lined up, and press it in gently along the rim.
- Using a spatula, apply adhesive on the glass rim.



- (c) Use a scraper to remove any excess or protruding adhesive.
- (d) Hold the windshield glass in place securely with a protective tape or equivalent until the adhesive hardens.

NOTICE:

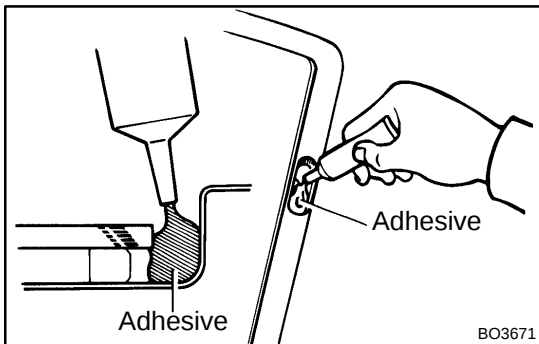
Take care not to drive the vehicle during the time described in the table below.

Temperature	Minimum time prior to driving the vehicle
35°C (95 °F)	1.5 hours
20°C (68 °F)	5 hours
5°C (41 °F)	24 hours

10. INSPECT FOR LEAKS AND REPAIR

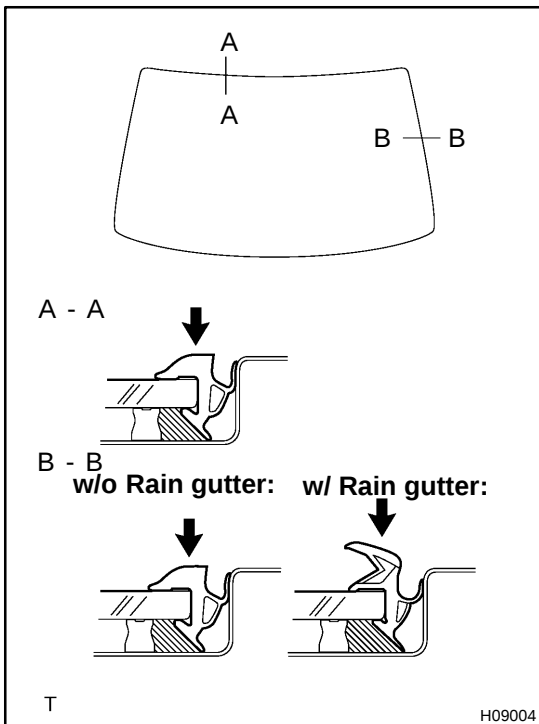
- (a) Conduct a leak test after the hardening time has elapsed.
- (b) Seal any leak with sealant.

Part No. 08833-00030 or equivalent

**11. APPLY ADHESIVE AT MOULDING INSTALLATION AREA**

Coat the glass with adhesive at the moulding installation area.

Part No. 08833-00030 or equivalent

**12. INSTALL WINDSHIELD OUTSIDE UPPER MOULDING**

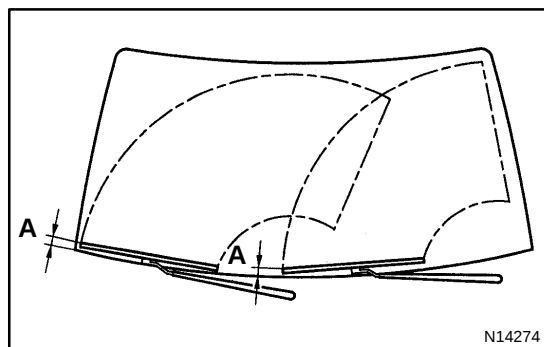
Place the moulding into the body and tap it by hand.

13. INSTALL PROTECTOR AND WEATHERSTRIP**14. INSTALL COWL LOUVER**

Install the cowl louver with the 6 screws and 4 clips.

15. INSTALL WIPER ARMS

- (a) Operate the wipers once and turn the wiper switch OFF.
- (b) Install the wiper arms and tighten the 2 nuts by hand.



- (c) Adjust the installation positions of the wiper arms to the positions shown in the illustration.

A: Approx. 25 mm (0.98 in.)

- (d) Torque the 2 nuts.

Torque: 20 N·m (205 kgf·cm, 15 ft·lbf)

- (e) Install the 2 caps.

16. INSTALL FRONT PILLAR GARNISHES

17. INSTALL ASSIST GRIPS

18. INSTALL SUN VISORS AND HOLDERS

19. INSTALL INNER REAR VIEW MIRROR

Install the inner rear view mirror with the 3 screws.

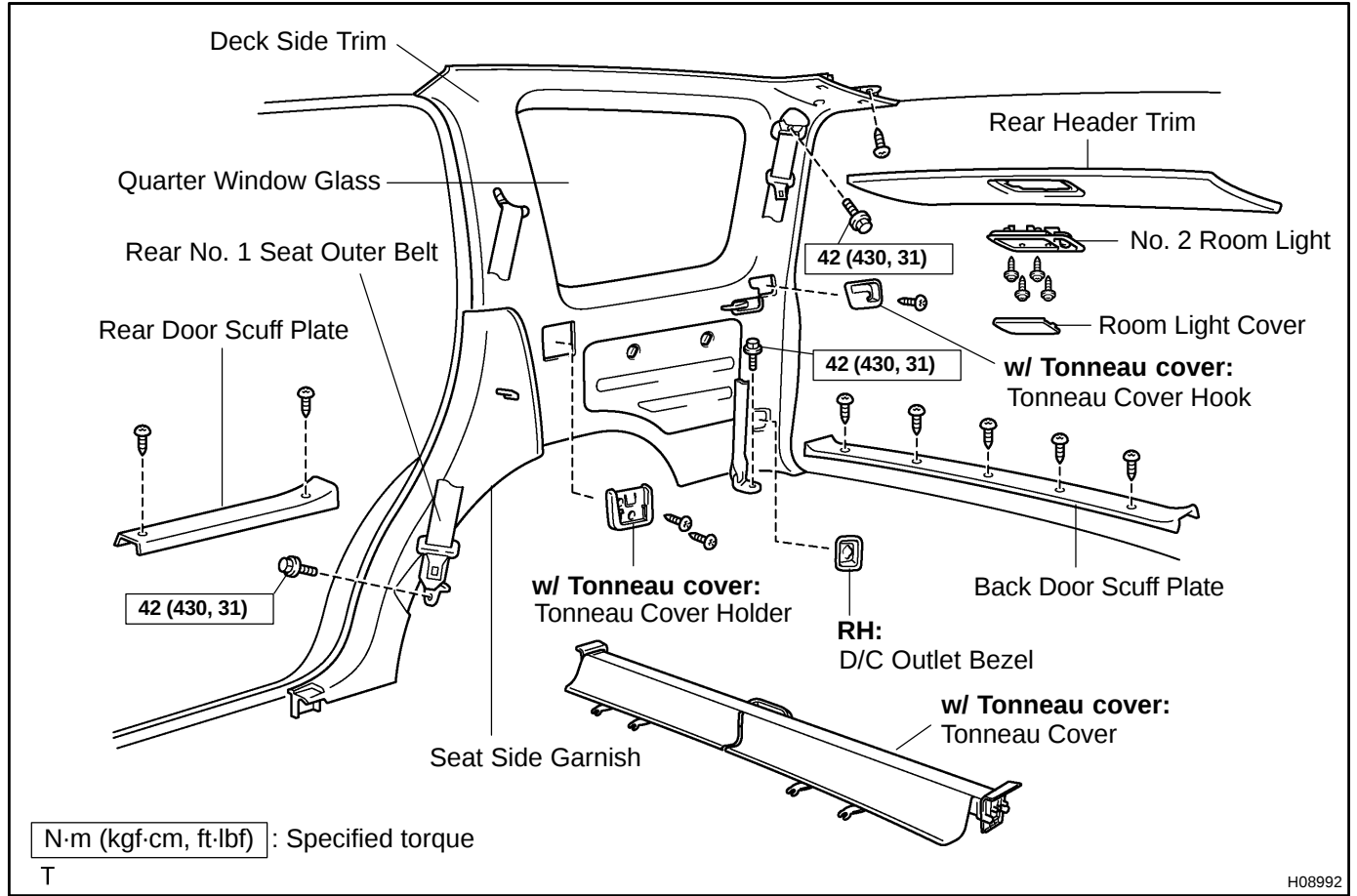
20. INSTALL MAP LIGHT ASSEMBLY AND ROOM LIGHT LENS

- (a) Connect the connector.

- (b) Install the map light assembly with the screw and room light lens.

QUARTER WINDOW GLASS COMPONENTS

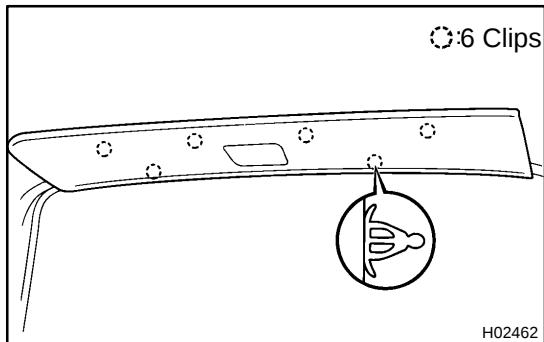
B00CG-02



REMOVAL

1. REMOVE NO. 2 ROOM LIGHT

- Remove the room light cover, 4 screws and No. 2 room light.
- Disconnect the connector.



2. REMOVE REAR HEADER TRIM

Using a screwdriver, remove the rear header trim.

HINT:

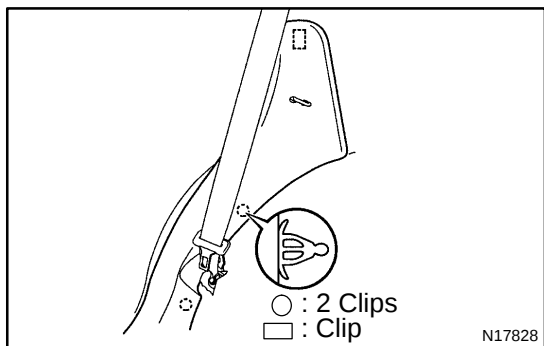
Tape the screwdriver tip before use.

3. REMOVE BACK DOOR SCUFF PLATE

Remove the 5 screws and back door scuff plate.

4. REMOVE REAR DOOR SCUFF PLATE

Remove the 2 screws and rear door scuff plate.

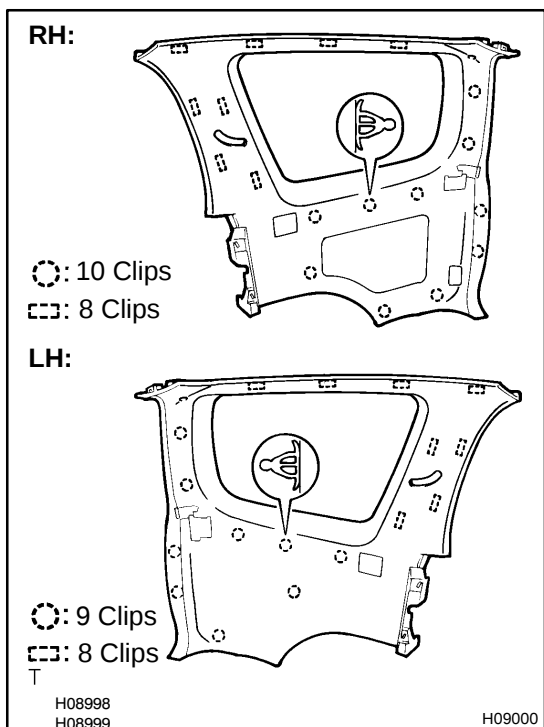


5. REMOVE REAR SEAT SIDE GARNISH

Using a screwdriver, remove the rear seat side garnish.

HINT:

Tape the screwdriver tip before use.



6. REMOVE DECK SIDE TRIM

- RH:

Using a screwdriver, remove the D/C outlet bezel, then disconnect the connector.

HINT:

Tape the screwdriver tip before use.

- w/ Tonneau cover:

Remove the tonneau cover.

- w/ Tonneau cover:

Remove the 2 screws and tonneau cover holder.

- w/ Tonneau cover:

Remove the screw and tonneau cover hook.

- Remove the screw.

- Remove the rear No. 1 seat outer belt floor anchor.

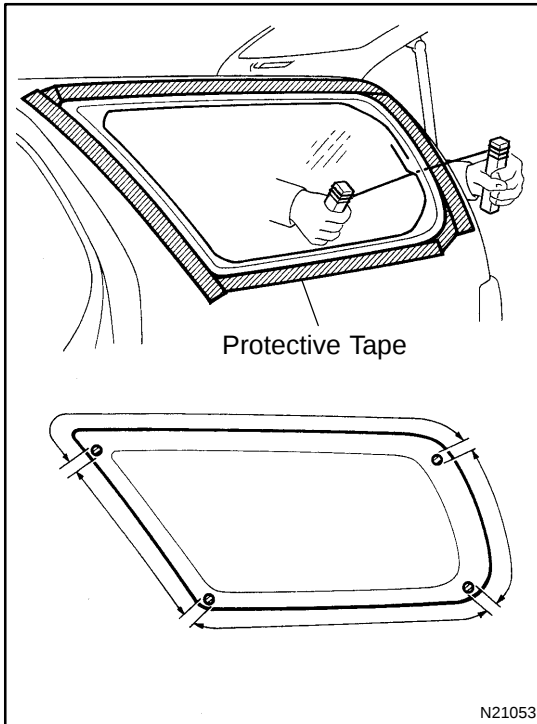
- Remove the rear No. 2 seat outer belt.

- Insert a screwdriver between the trim and door panel to remove the trim, then disconnect the connector.

HINT:

Tape the screwdriver tip before use.

- (i) Remove the deck side trim with the rear No. 1 and No. 2 seat belts passed through its hole.



7. REMOVE QUARTER WINDOW GLASS

- (a) w/ Diversity antenna:
Disconnect the connector.
- (b) Push piano wire through between body and glass from the interior.
- (c) Tie both wire ends to a wooden block or similar object.

HINT:

Apply protective tape to the outer surface to keep the surface from being scratched.

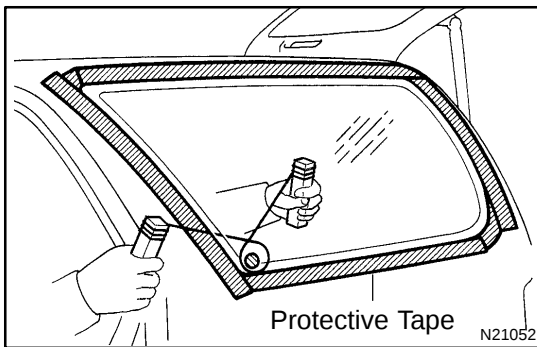
NOTICE:

When separating the glass, take care not to damage the paint and exterior.

- (d) Cut the adhesive by pulling the piano wire around it.

HINT:

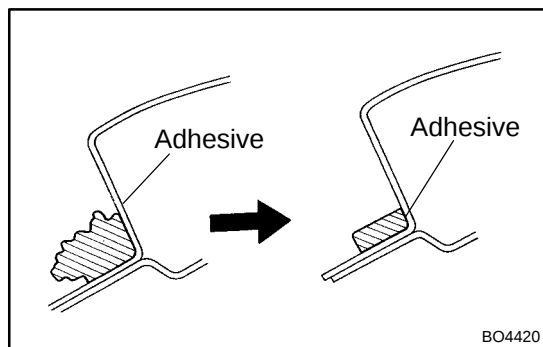
Cut the adhesive as shown in the illustration, leaving the adhesive where the pins are.



- (e) Push the piano wire through as shown in the illustration, cut off the adhered parts to the clip.
- (f) Remove the glass.

NOTICE:

Leave as much of the adhesive on the body as possible when cutting off the glass.



INSTALLATION

1. CLEAN AND SHAPE CONTACT SURFACE OF BODY

- (a) Using a knife, cut away any rough areas on the body.

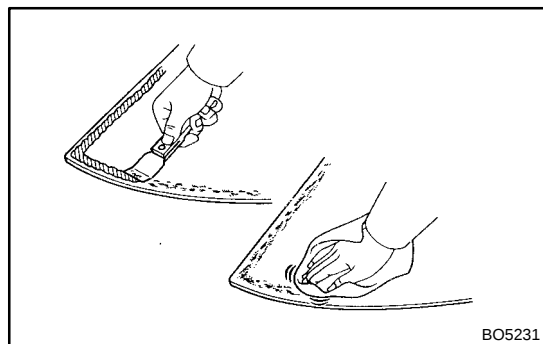
HINT:

Leave as much of the adhesive on the body as possible.

- (b) Clean the cutting surface of the adhesive with a piece of shop rag saturated in cleaner.

HINT:

Even if all the adhesive has been removed, clean the body.



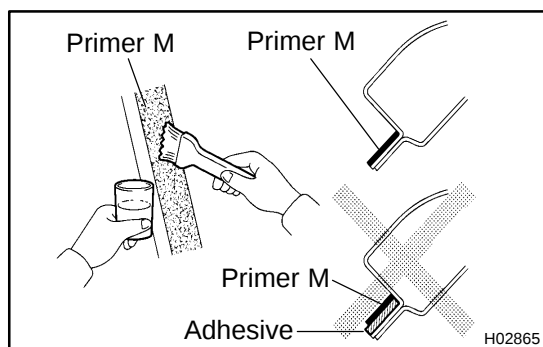
2. CLEAN REMOVED GLASS

- (a) Using a scraper, remove the adhesive sticking to the glass.

- (b) Clean the glass with cleaner.

NOTICE:

Do not touch the glass after cleaning it.

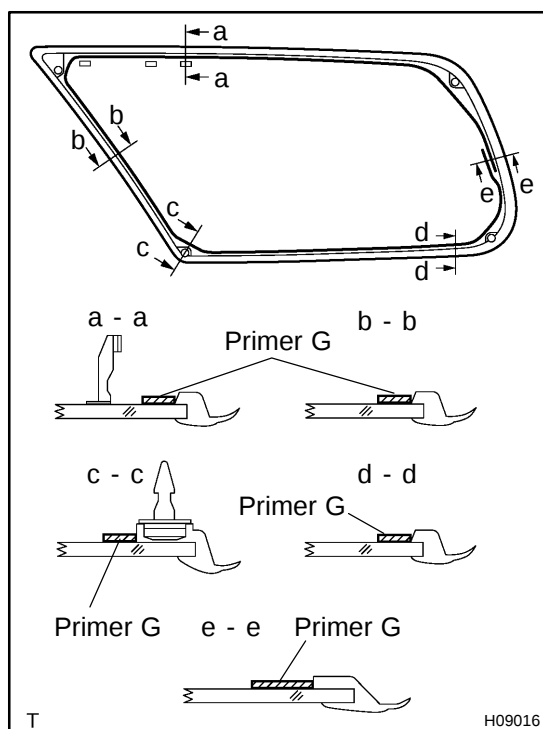


3. COAT CONTACT SURFACE OF BODY WITH PRIMER "M"

Using a brush, coat Primer M to the exposed part of body on the vehicle side.

NOTICE:

- Let the primer coating dry for 3 minutes or more.
- Do not coat Primer M to the adhesive.
- Do not keep any of the opened Primer M for later use.



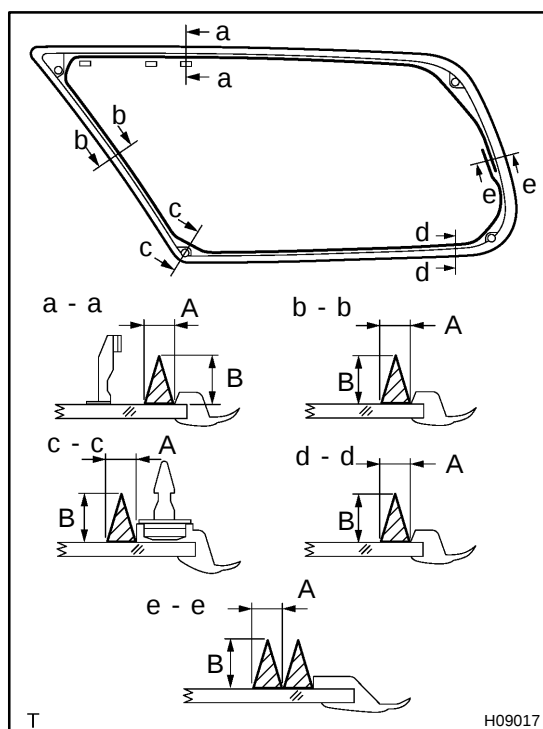
4. COAT CONTACT SURFACE OF GLASS WITH PRIMER "G"

- (a) Using a brush or sponge, coat the edge of the glass and contact surface with Primer G.

- (b) Before the primer dries, wipe it off with a clean shop rag.

NOTICE:

- Let the primer coating dry for 3 minutes or more.
- Do not keep any of the opened Primer G for later use.



5. APPLY ADHESIVE

- (a) Cut off the tip of the cartridge nozzle.
Part No. 08850-00801 or equivalent

HINT:

After cutting off the tip, use all adhesive within the time described in the table below.

Temperature	Tackfree time
35 °C (95 °F)	15 minutes
20 °C (68 °F)	100 minutes
5 °C (41 °F)	8 hours

- (b) Load the cartridge into the sealer gun.
 (c) Coat the glass with adhesive as shown in the illustration.
A: 8.0 mm (0.315 in.)
B: 12.0 mm (0.472 in.)

6. INSTALL QUARTER WINDOW GLASS

- (a) Install the glass to the body.
 (b) Use adhesive tape to keep the glass installed tightly against the body.

NOTICE:

Take care not to drive the vehicle during the time described in the table below.

Temperature	Minimum time prior to driving the vehicle
35 °C (95 °F)	1.5 hours
20 °C (68 °F)	5 hours
5 °C (41 °F)	24 hours

7. INSPECT FOR LEAKS AND REPAIR

- (a) Conduct a leak test after the hardening time has elapsed.
 (b) Seal any leak with sealant.

Part No. 08833-00030 or equivalent

8. INSTALL DECK SIDE TRIM

- (a) Connect the connector, and install the deck side trim with the rear No. 1 and No. 2 seat belts passed through its hole.
 (b) Install the rear No. 2 seat outer belt.
Torque: 42 N·m (430 kgf·cm, 31 ft·lbf)
 (c) Install the rear No. 1 seat outer belt floor anchor.
Torque: 42 N·m (430 kgf·cm, 31 ft·lbf)
 (d) Install the screw.
 (e) w/ Tonneau cover:
 Install the tonneau cover hook with the screw.
 (f) w/ Tonneau cover:
 Install the tonneau cover holder with the 2 screws.
 (g) w/ Tonneau cover:
 Install the tonneau cover.
 (h) RH:
 Connect the connector and install the D/C outlet bezel.

9. INSTALL REAR SEAT SIDE GARNISH**10. INSTALL REAR DOOR SCUFF PLATE**

Install the rear door scuff plate with the 2 screws.

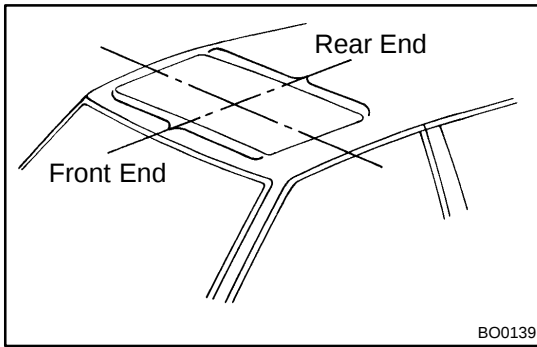
11. INSTALL BACK DOOR SCUFF PLATE

Install the back door scuff plate with the 5 screws.

12. INSTALL REAR HEADER TRIM**13. INSTALL NO. 2 ROOM LIGHT**

(a) Connect the connector.

(b) Install the No. 2 room light with the 4 screws and room light cover.



SLIDING ROOF

ON-VEHICLE INSPECTION

BO0CJ-02

INSPECT SLIDING ROOF GLASS ALIGNMENT

- (a) Start the engine and check the operation time of the sliding roof.

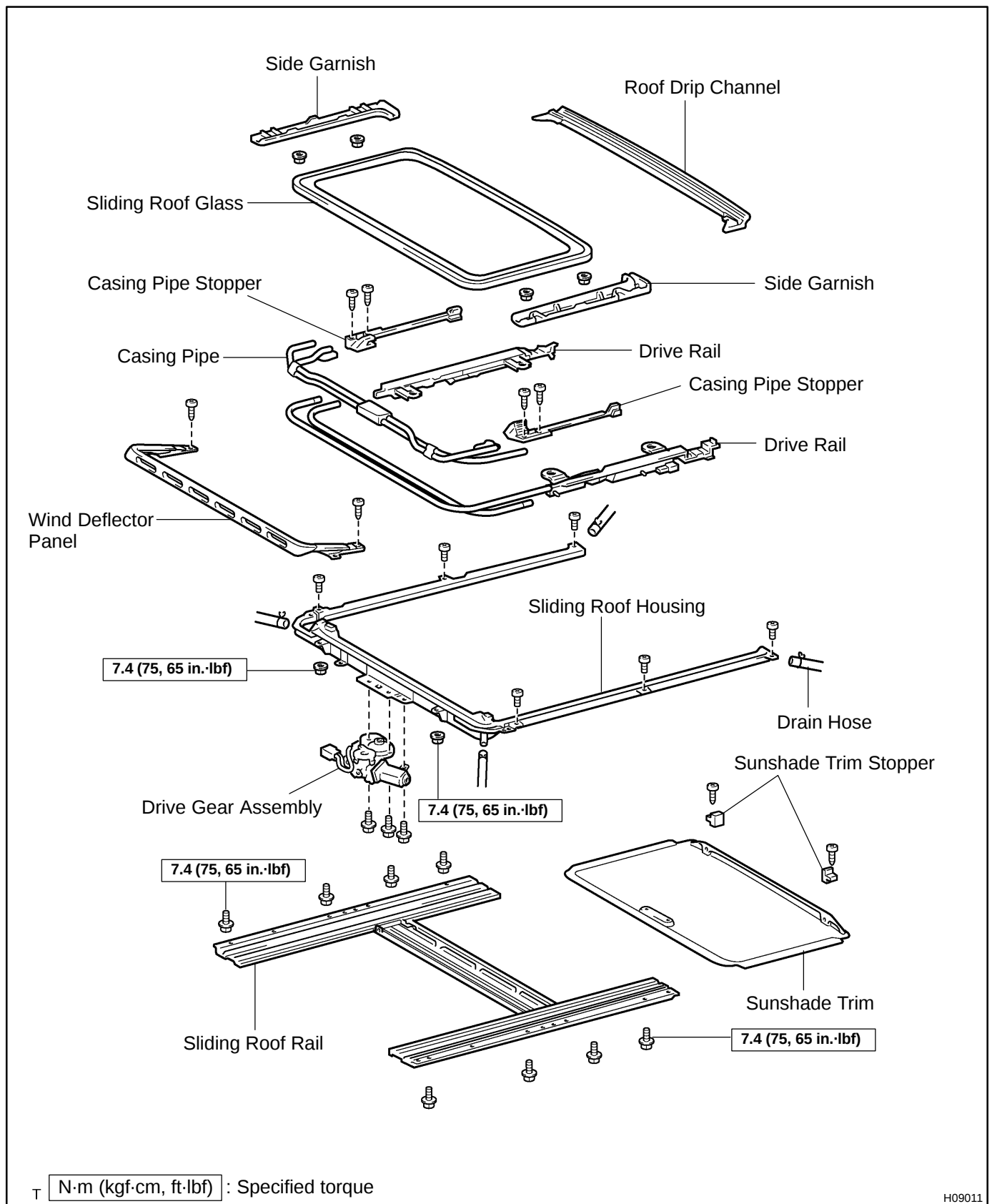
Operation time: Approx. 5 sec.

- (b) Check for abnormal noise or binding during operation.
(c) With the sliding roof fully closed, check for water leakage.
(d) Check for a difference in level between the sliding roof weatherstrip and roof panel.

Front end: 0 ± 1.5 mm (0 ± 0.059 in.)

Rear end: 0 ± 1.5 mm (0 ± 0.059 in.)

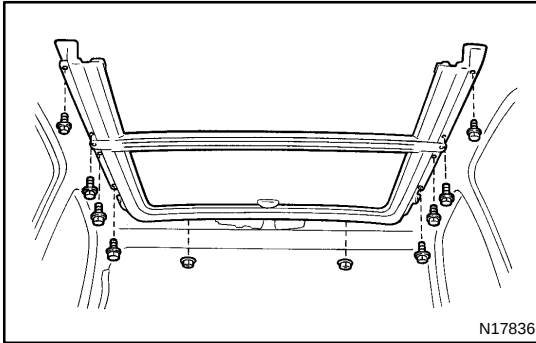
COMPONENTS



H09011

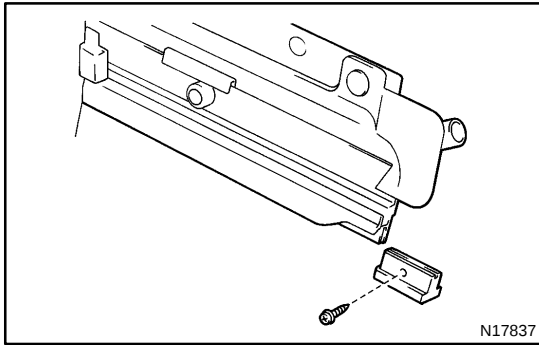
REMOVAL

1. REMOVE ROOF HEADLINING
(See page [BO-78](#))



2. REMOVE SLIDING ROOF HOUSING ASSEMBLY
 - (a) Disconnect the 4 drain hoses and connectors.
 - (b) Remove the 2 nuts, 8 bolts and sliding roof housing assembly.

Torque: 7.4 N·m (75 kgf·cm, 65 in·lbf)



DISASSEMBLY

1. REMOVE SUNSHADE TRIM STOPPER

- Remove the screw and stopper.
- Employ the same manner described above to the other side.

2. REMOVE SUNSHADE TRIM

3. REMOVE SIDE GARNISHES

4. REMOVE SLIDING ROOF GLASS

Remove the 4 nuts and glass.

5. REMOVE ROOF DRIP CHANNEL

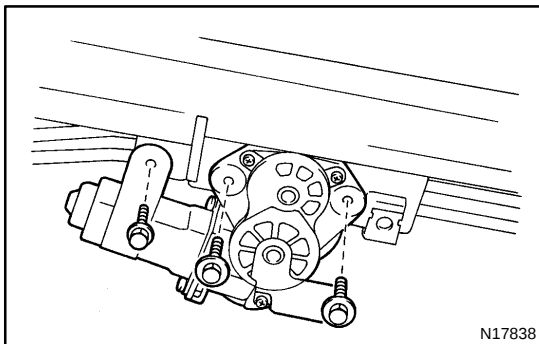
Using a screwdriver, remove the roof drip channel.

HINT:

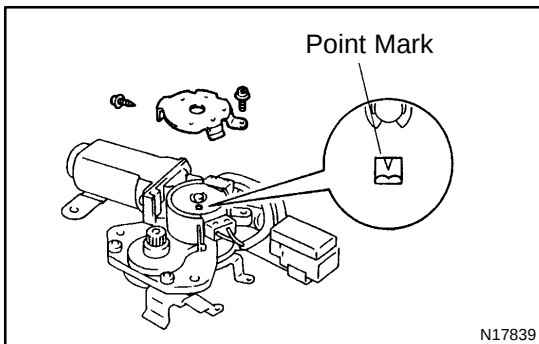
Tape the screwdriver tip before use.

6. REMOVE CONTROL RELAY AND DRIVE GEAR ASSEMBLY

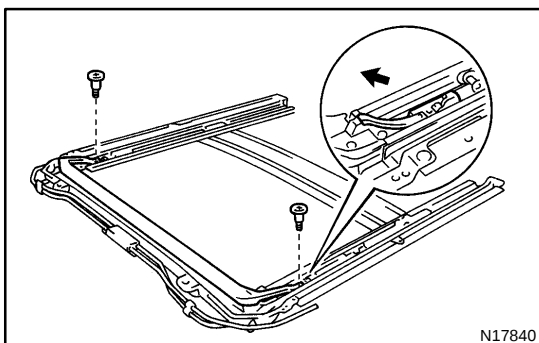
- Disconnect the connectors.
- Remove the bolt and relay.



- Remove the 3 bolts and drive gear assembly.

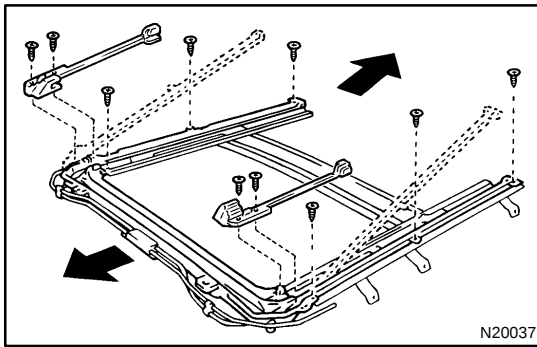


- Remove the screw and cam plate cover.
- Remove the large screw, washers and shims.
- Turn the drive shaft with a screwdriver to align the housing and gear point mark, as shown.
- Install the cam plate cover and screw.



7. REMOVE WIND DEFLECTOR PANEL

Remove the 2 screws and panel.

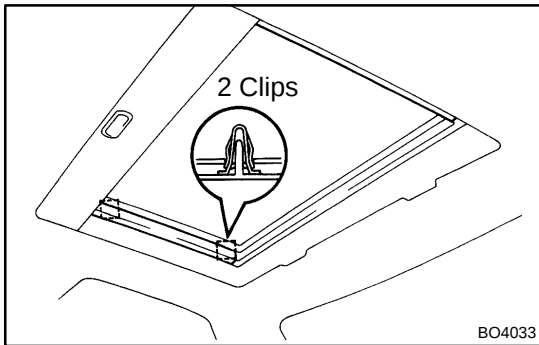
**8. REMOVE SLIDING ROOF HOUSING**

- (a) Remove the 4 screws with casing pipe stoppers.
- (b) Remove the 6 screws and housing.

9. REMOVE DRIVE RAIL

- (a) Pull off the cable of drive rail from the casing pipe.
- (b) Slide the drive rail forward, then remove it.

10. ADJUST DRIVE RAIL (See page [BO-57](#))



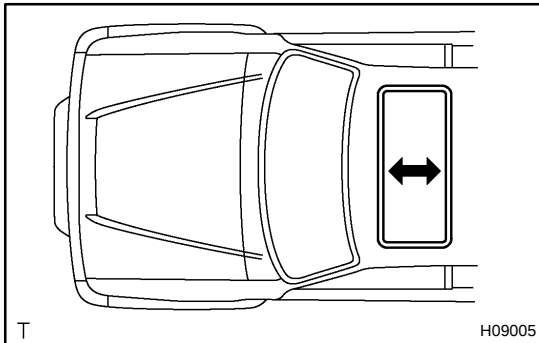
ADJUSTMENT

1. REMOVE SIDE GARNISHES

Before making adjustments, remove the left and right side garnishes.

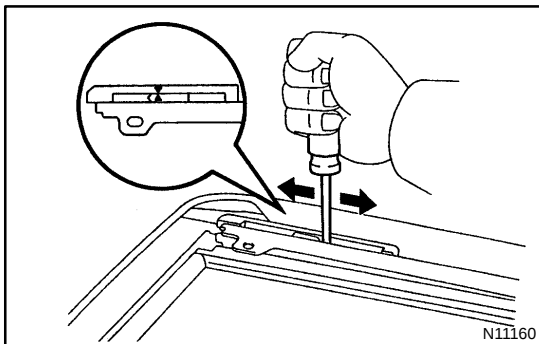
HINT:

After adjustment, reinstall the side garnishes.



2. ADJUST FORWARD OR REARWARD

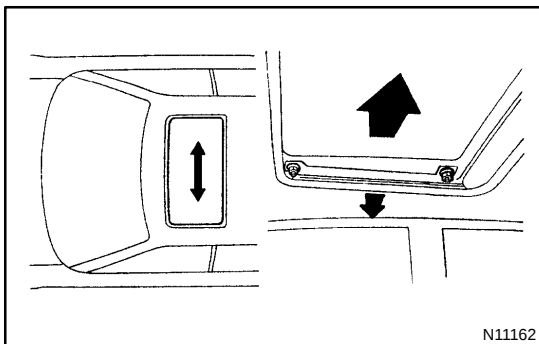
(a) Adjust by loosening the sliding roof installation nuts, and move the sliding roof bracket forward and backward.



(b) When the front or rear alignment is not correct, remove the glass and adjust the drive rail.

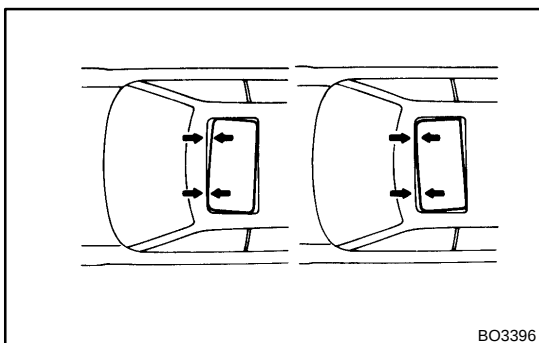
(c) Using a screwdriver, slide the link forward or backward to align the 2 marks as shown.

(d) Slide the bracket to the forefront with your hand.



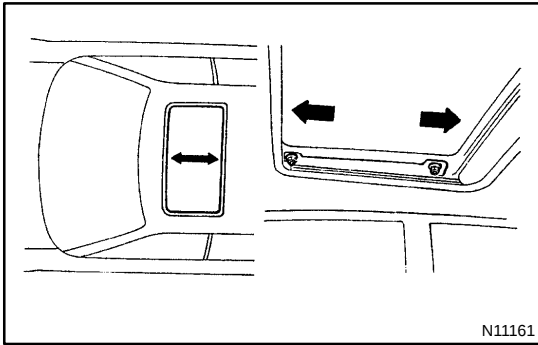
3. ADJUST RIGHT OR LEFT

Adjust by loosening the sliding roof rear shoe installation nuts, and move the sliding roof to the right and left.



4. ADJUST CLEARANCE

(Difference in left and right clearance)



Adjust by loosening the sliding roof installation nuts and readjust the sliding roof to the proper position.

REASSEMBLY

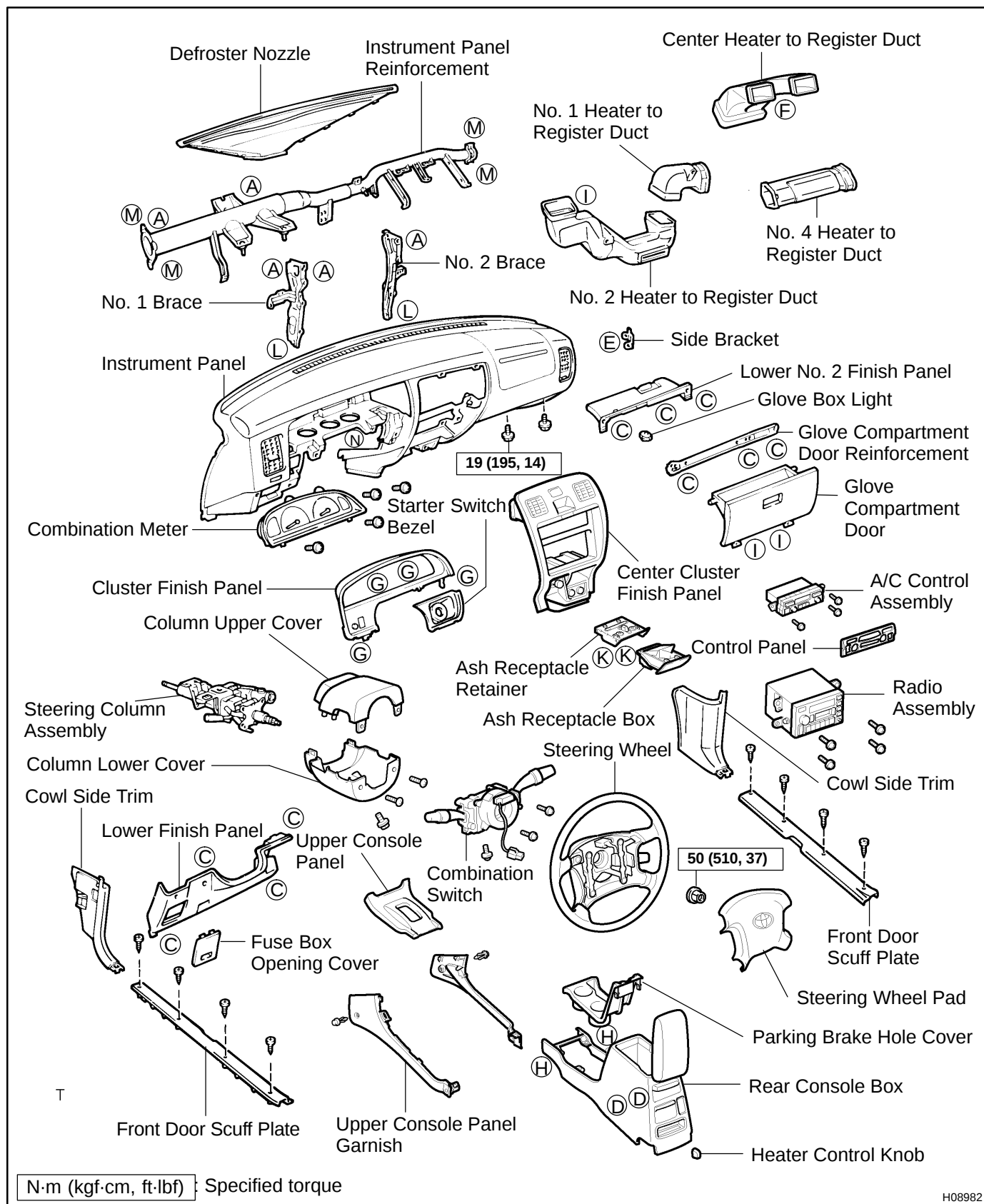
Reassembly is in the reverse order of disassembly (See page [BO-60](#)).

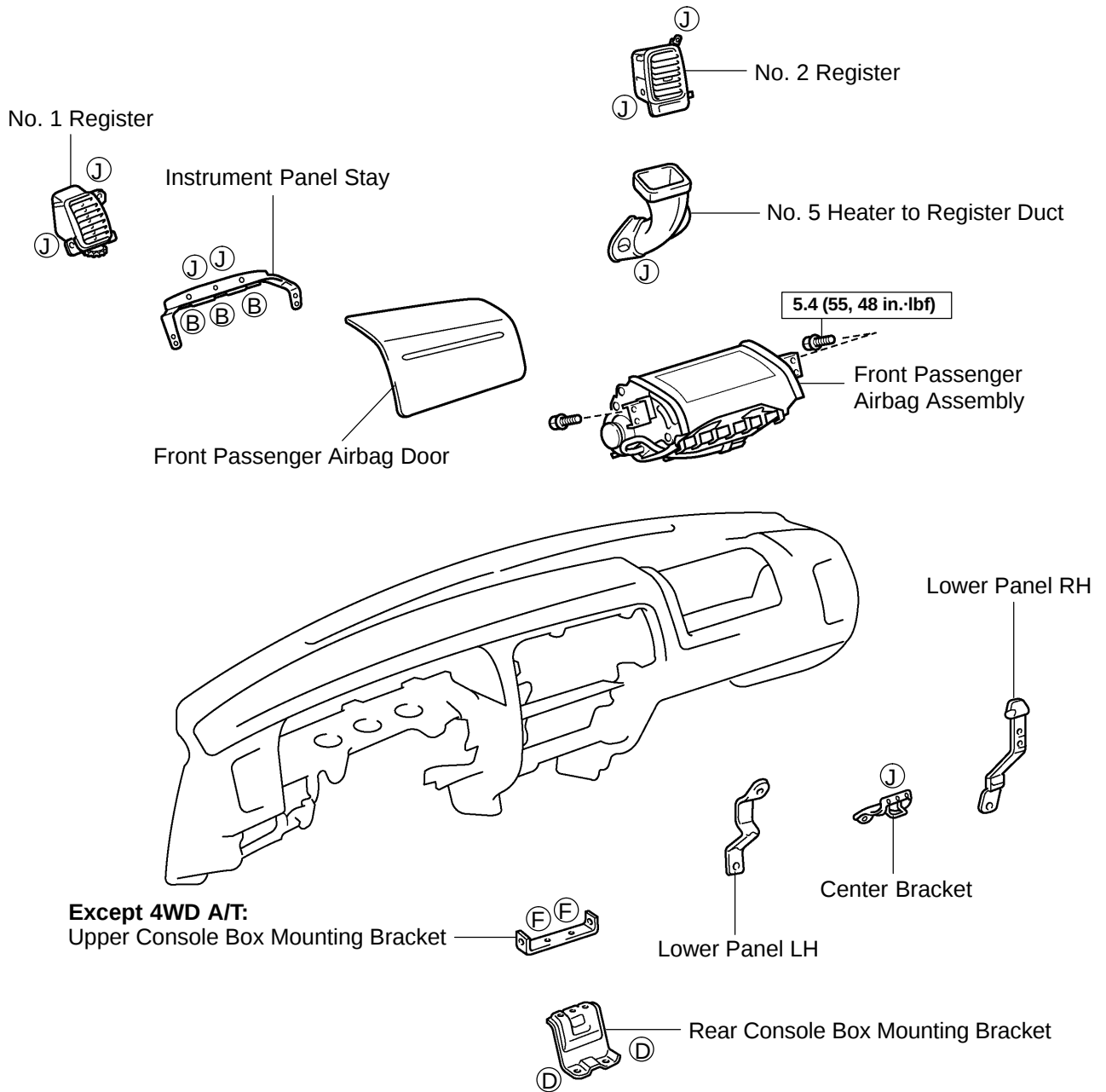
INSTALLATION

Installation is in the reverse order of removal (See page [BO-59](#)).

INSTRUMENT PANEL COMPONENTS

BO0CO-03



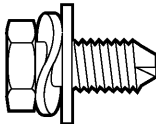
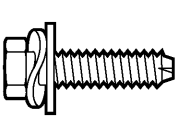
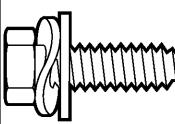
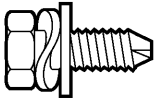
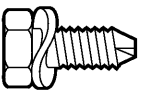
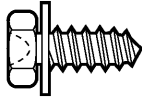
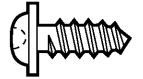
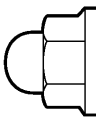
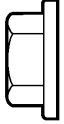
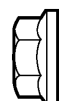


T

N·m (kgf·cm, ft·lbf) : Specified torque

H08985

HINT:
Screw shapes and sizes are indicated in the table below. The codes ("A" - "N") correspond to those indicated on the previous pages.

mm (in.)								
	Shape	Size		Shape	Size		Shape	Size
Ⓐ		∅ = 8 (0.31) L = 18 (0.71)	Ⓑ		∅ = 6 (0.24) L = 24 (0.94)	Ⓒ		∅ = 6 (0.24) L = 22 (0.87)
Ⓓ		∅ = 6 (0.24) L = 18 (0.71)	Ⓔ		∅ = 6 (0.24) L = 16 (0.63)	Ⓕ		∅ = 6 (0.24) L = 16 (0.63)
Ⓖ		∅ = 5.22 (0.21) L = 16 (0.63)	Ⓗ		∅ = 5 (0.20) L = 16 (0.63)	Ⓖ		∅ = 5 (0.20) L = 16 (0.63)
Ⓙ		∅ = 5 (0.20) L = 14 (0.55)	Ⓚ		∅ = 5 (0.20) L = 14 (0.55)	Ⓛ		∅ = 8 (0.31)
Ⓜ		∅ = 8 (0.31)	Ⓝ		∅ = 6 (0.24)			

T

H09001

REMOVAL

1. REMOVE STEERING WHEEL AND PAD

(See page [SR-13](#))

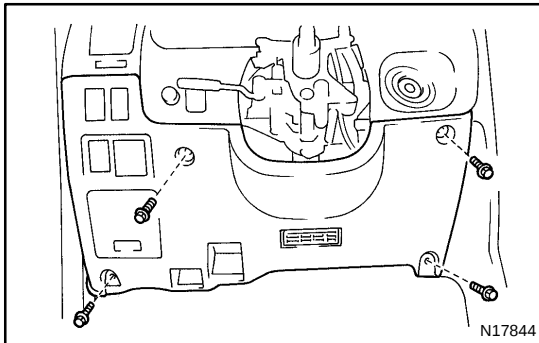
2. REMOVE FRONT DOOR SCUFF PLATES

Remove the 8 screws and front door scuff plates.

3. REMOVE COWL SIDE TRIMS

4. REMOVE COLUMN UPPER AND LOWER COVERS AND COMBINATION SWITCH WITH SPIRAL CABLE

(See page [SR-13](#))



5. REMOVE LOWER FINISH PANEL

(a) Remove the 4 bolts.

(b) Remove the 2 screws and disconnect the hood lock release lever.

(c) Remove the 2 screws and disconnect the fuel release lever.

(d) Using a screwdriver, remove the lower finish panel.

HINT:

Tape the screwdriver tip before use.

6. REMOVE NO. 2 HEATER TO REGISTER DUCT

Remove the screw and No. 2 heater to register duct.

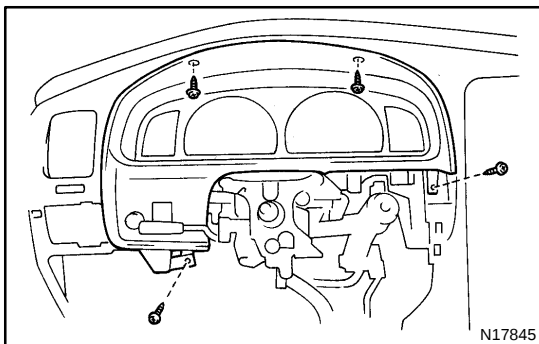
7. REMOVE NO. 1 HEATER TO REGISTER DUCT

8. REMOVE STARTER SWITCH BEZEL

Using a screwdriver, pry out the starter switch bezel.

HINT:

Tape the screwdriver tip before use.



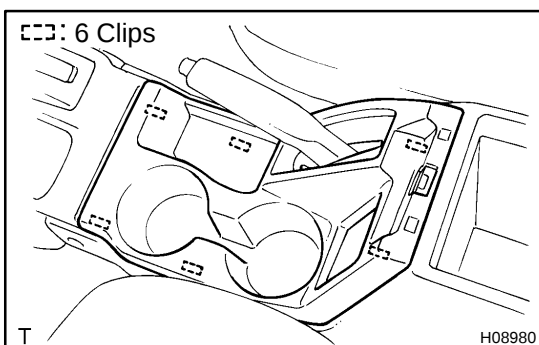
9. REMOVE CLUSTER FINISH PANEL

Remove the 4 screws and cluster finish panel.

10. REMOVE COMBINATION METER

(a) Disconnect the connectors.

(b) Remove the 4 screws and combination meter.

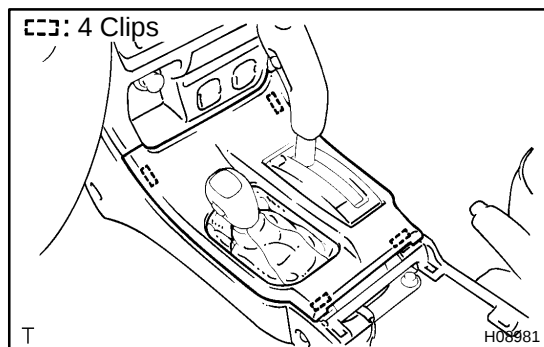


11. REMOVE PARKING BRAKE HOLE COVER

Using a screwdriver, pry out the parking brake hole cover.

HINT:

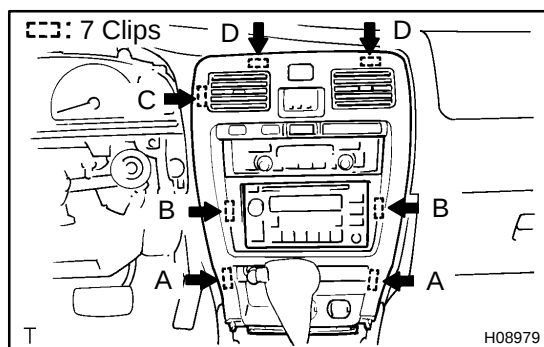
Tape the screwdriver tip before use.

**12. REMOVE UPPER CONSOLE PANEL**

Using a screwdriver, pry out the upper console panel.

HINT:

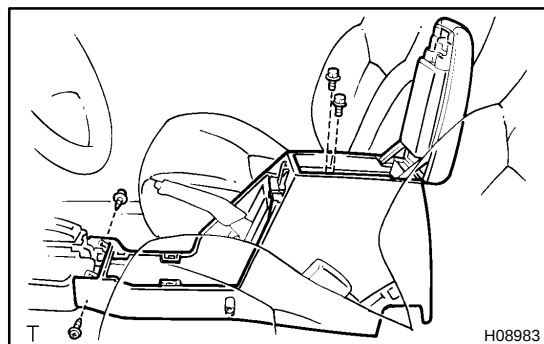
Tape the screwdriver tip before use.

**13. REMOVE CENTER CLUSTER FINISH PANEL**

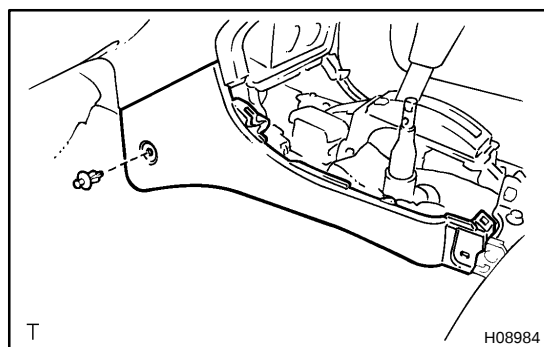
HINT:

Remove the clips in order "A", "B", "C" and "D" shown in the illustration.

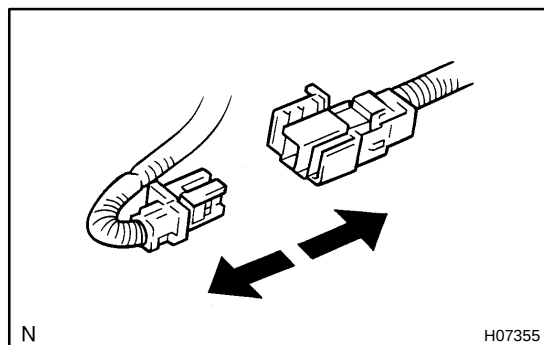
- Insert your hand under the center cluster finish panel and remove the "A" clips.
- Insert your hand between the instrument panel and center cluster finish panel and remove the rest of clips, then remove the center cluster finish panel.
- Disconnect the connectors.

**14. REMOVE REAR CONSOLE BOX**

- Remove the heater control knob.
- Remove the 2 bolts, 2 screws and rear console box.

**15. REMOVE UPPER CONSOLE PANEL GARNISH**

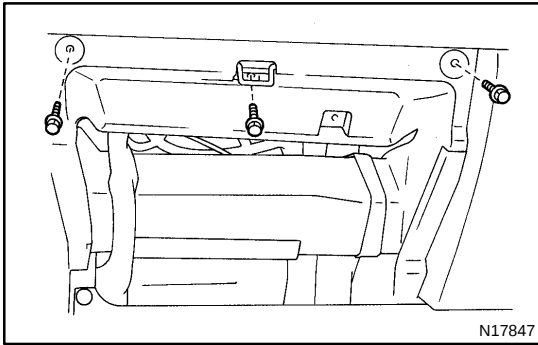
- Remove the clip and upper console panel garnish.
- Employ the same manner described above to the other side.

**16. REMOVE GLOVE COMPARTMENT DOOR**

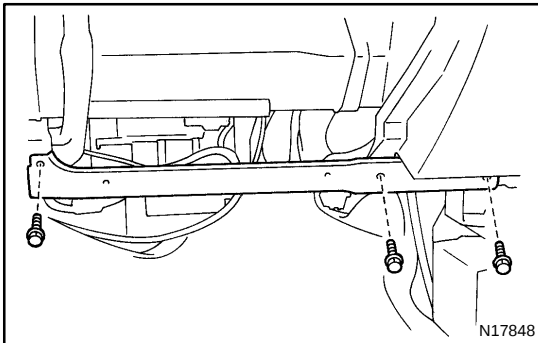
- Remove the 2 screws and glove compartment door.
- Disconnect the front passenger airbag connector.

NOTICE:

When handling the airbag connector, take care not to damage the airbag wire harness.

**17. REMOVE LOWER NO. 2 FINISH PANEL**

- (a) Remove the glove box light.
- (b) Remove the 3 bolts and lower No. 2 finish panel.

**18. REMOVE GLOVE COMPARTMENT DOOR REINFORCEMENT**

Remove the 3 bolts and glove compartment door reinforcement.

19. REMOVE NO. 4 HEATER TO REGISTER DUCT**20. REMOVE RADIO ASSEMBLY****21. REMOVE SIDE BRACKET**

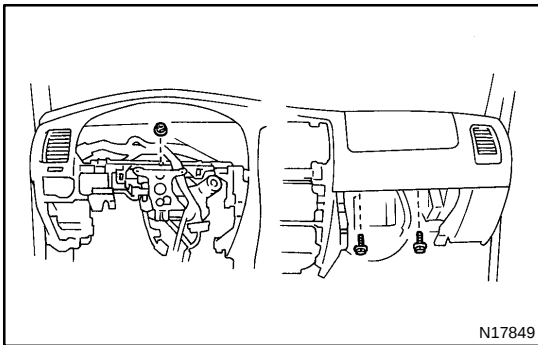
Remove the bolt and side bracket.

22. Manual A/C:**REMOVE HEATER CONTROL ASSEMBLY**

(See page [AC-93](#))

23. Auto A/C:**REMOVE A/C CONTROL ASSEMBLY**

(See page [AC-84](#))

**24. REMOVE INSTRUMENT PANEL**

- (a) Disconnect the airbag connector.
- (b) Remove the nut and 2 bolts, as shown in the illustration.

Torque:

Bolt: 19 N·m (195 kgf·cm, 14 ft·lbf)

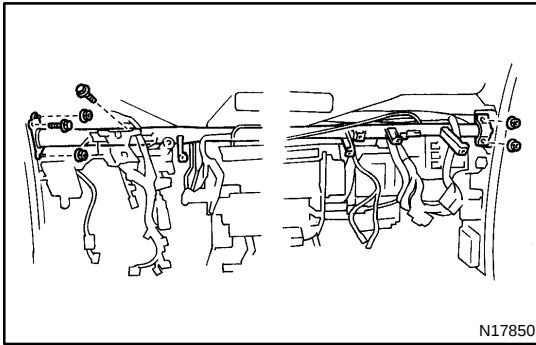
NOTICE:

Make sure the front passenger airbag assembly is installed to the specified torque.

- (c) Remove the screw and center heater to register duct.
- (d) Remove the instrument panel.

25. REMOVE INSTRUMENT PANEL REINFORCEMENT

- (a) Remove the 2 bolts, nut and No. 1 brace.
- (b) Remove the bolt, nut and No. 2 brace.



- (c) Remove the 4 nuts and 2 bolts, as shown in the illustration.
- (d) Remove the steering column assembly (See page [SR-13](#)).
- (e) Remove the defroster nozzle.
- (f) Remove the instrument panel reinforcement.

DISASSEMBLY

1. REMOVE NO. 5 HEATER TO REGISTER DUCT

Remove the screw and No. 5 heater to register duct.

2. REMOVE NO. 1 REGISTER

Remove the 2 screws and No. 1 register.

3. REMOVE NO. 2 REGISTER

Remove the 2 screws and No. 2 register.

4. REMOVE LOWER PANEL LH AND RH

5. REMOVE CENTER BRACKET

Remove the screw and center bracket.

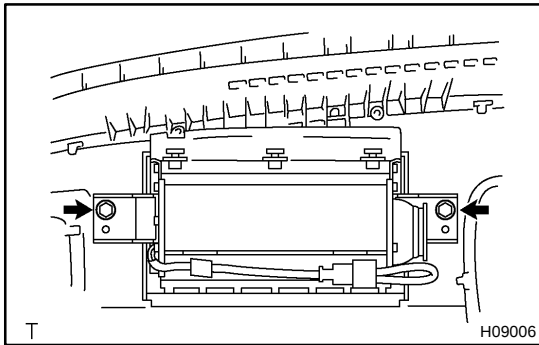
6. Except 4WD A/T:

REMOVE UPPER CONSOLE BOX MOUNTING BRACKET

Remove the 2 screws and upper console box mounting bracket.

7. REMOVE REAR CONSOLE BOX MOUNTING BRACKET

Remove the 2 bolts and rear console box mounting bracket.

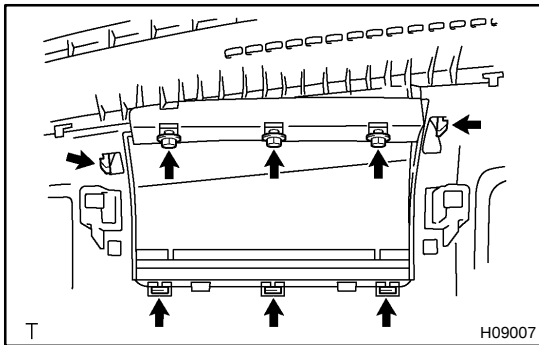


8. REMOVE FRONT PASSENGER AIRBAG ASSEMBLY

(a) Remove the 2 bolts and front passenger airbag assembly.

Torque: 5.4 N·m (55 kgf·cm, 48 in·lbf)

(b) Remove the 2 screws.



(c) Remove the 3 bolts and instrument panel stay, and pry up the 5 clips shown in the illustration, then remove the airbag door.

CAUTION:

- Do not store the front passenger airbag assembly with the airbag deployment direction facing down.
- Never disassemble the front passenger airbag assembly.

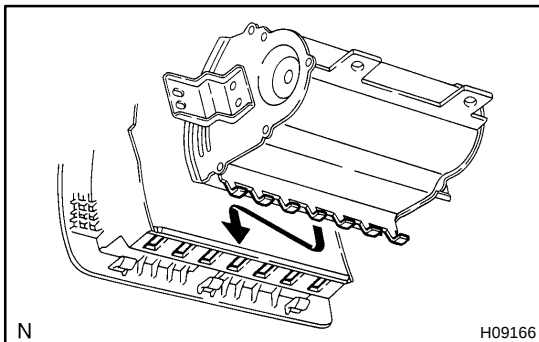
At the time of reassembly, please refer to the following items.

- Insert the 7 claws of the passenger airbag assembly into the holes in the airbag door securely.
- Make sure that no foreign objects are trapped between the airbag door and bag, and within the module.

NOTICE:

At the time of reassembly, please refer to the following items.

- Make sure that the front passenger airbag assembly is installed to the specified torque.



- If the front passenger airbag assembly has been dropped, or there are cracks, dents or other defects in the case or connector, replace the front passenger airbag assembly with a new one.
- When installing the front passenger airbag assembly, take care that the wiring does not interfere with other parts and is not pinched between other parts.

REASSEMBLY

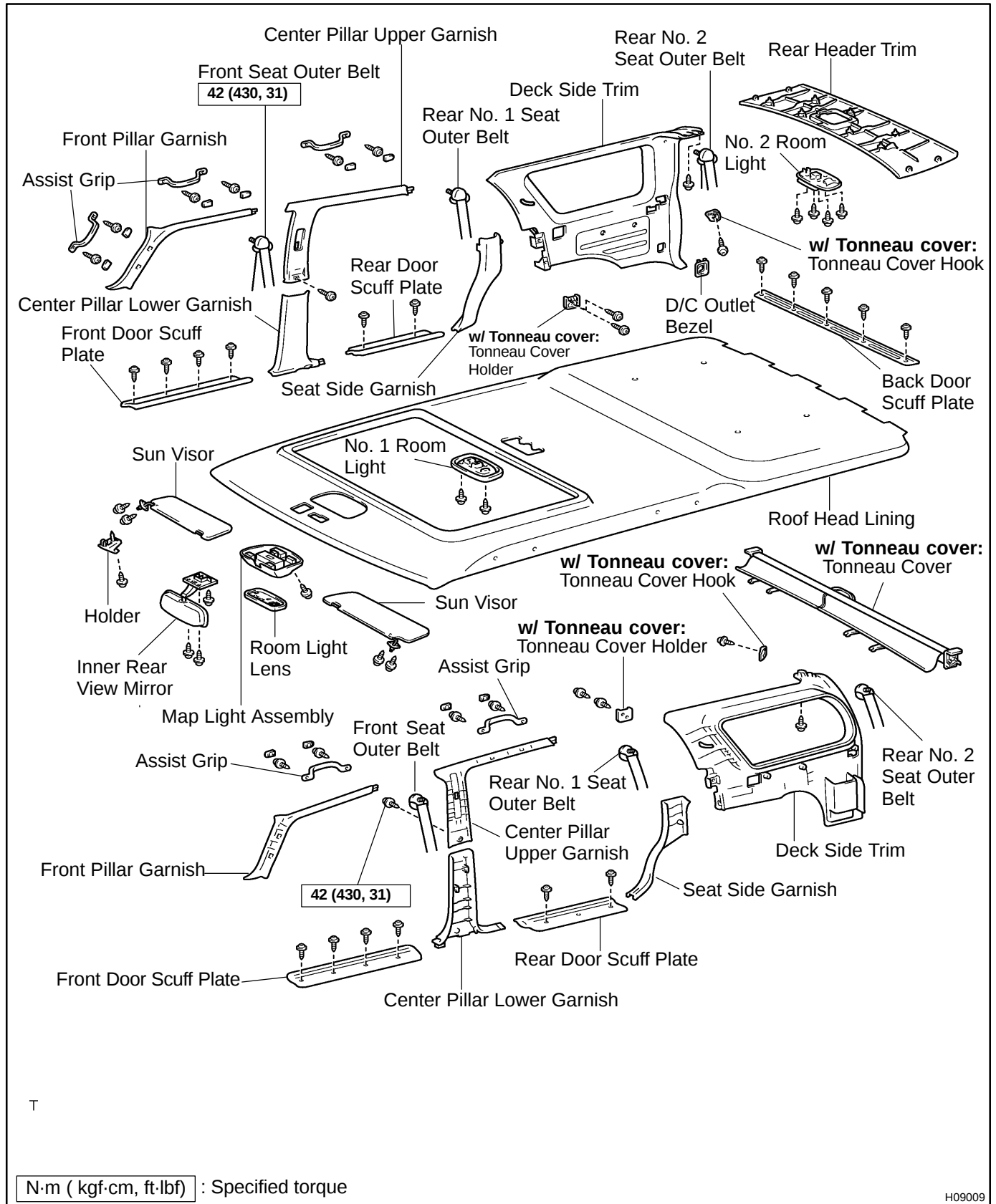
Reassembly is in the reverse order of disassembly (See page [BO-73](#)).

INSTALLATION

Installation is in the reverse order of removal (See page [BO-69](#)).

ROOF HEADLINING COMPONENTS

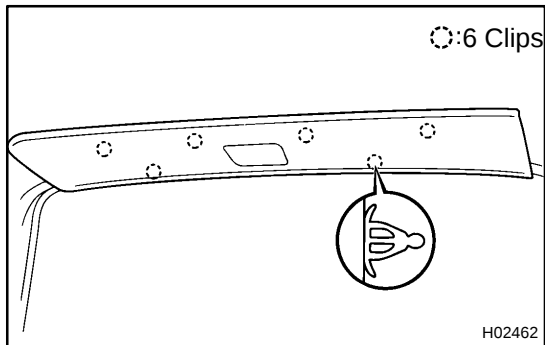
B00CV-02



REMOVAL

1. REMOVE NO. 2 ROOM LIGHT

- Remove the room light cover, 4 screws and No. 2 room light.
- Disconnect the connector.



2. REMOVE REAR HEADER TRIM

Using a screwdriver, remove the rear header trim.

HINT:

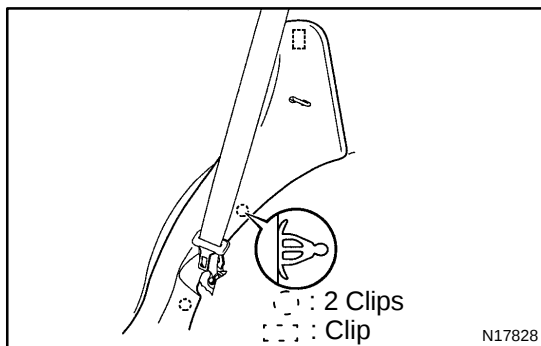
Tape the screwdriver tip before use.

3. REMOVE BACK DOOR SCUFF PLATE

Remove the 5 screws and back door scuff plate.

4. REMOVE REAR DOOR SCUFF PLATES

Remove the 4 screws and rear door scuff plates.



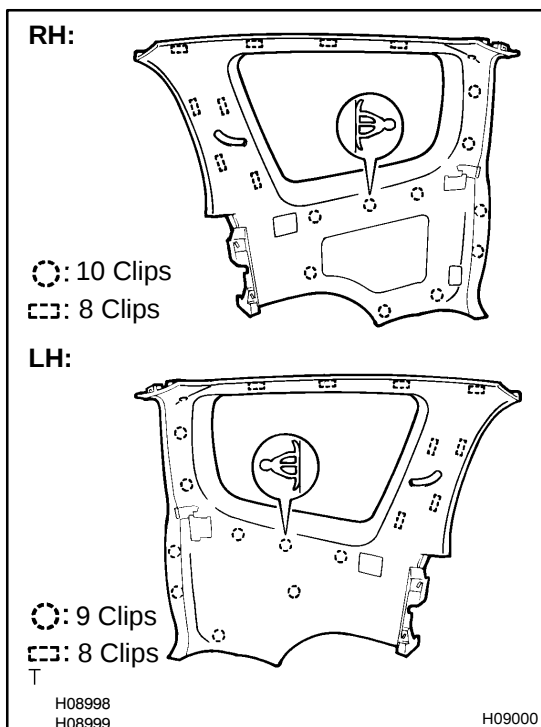
5. REMOVE REAR SEAT SIDE GARNISH

- Using a screwdriver, remove the rear seat side garnish.

HINT:

Tape the screwdriver tip before use.

- Employ the same manner described above to the other side.



6. REMOVE DECK SIDE TRIM

- RH:

Using a screwdriver, remove the D/C outlet bezel, then disconnect the connector.

HINT:

Tape the screwdriver tip before use.

- w/ Tonneau cover:
Remove the tonneau cover.
- w/ Tonneau cover:
Remove the 2 screws and tonneau cover holder.
- w/ Tonneau cover:
Remove the screw and tonneau cover hook.
- Remove the screw.
- Remove the rear No. 1 seat outer belt floor anchor.
Torque: 42 N·m (430 kgf·cm, 31 ft·lbf)
- Remove the rear No. 2 seat outer belt.
Torque: 42 N·m (430 kgf·cm, 31 ft·lbf)
- Insert a screwdriver between the trim and door panel to remove the trim, then disconnect the connector.

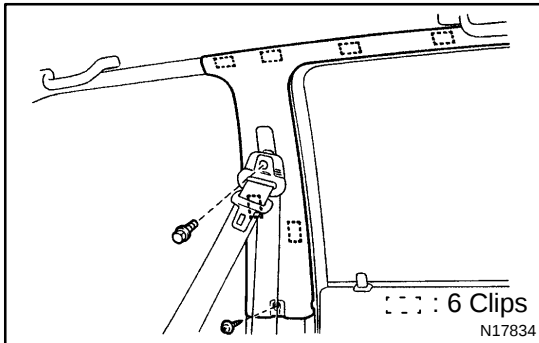
HINT:

Tape the screwdriver tip before use.

- (i) Remove the deck side trim with the rear No. 1 and No. 2 seat belts passed through its hole.
- (j) Employ the same manner described above to the other side.

7. REMOVE FRONT DOOR SCUFF PLATES

Remove the 8 screws and front door scuff plates.

8. REMOVE CENTER PILLAR LOWER GARNISHES**9. REMOVE CENTER PILLAR UPPER GARNISH**

- (a) Remove the front seat belt shoulder anchors.

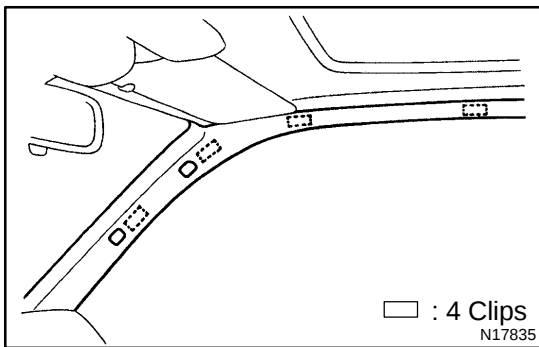
Torque: 42 N·m (430 kgf·cm, 31 ft·lbf)

- (b) Remove the screw.
- (c) Using a screwdriver, remove the center pillar upper garnish.

HINT:

Tape the screwdriver tip before use.

- (d) Employ the same manner described above to the other side.

10. REMOVE ASSIST GRIPS**11. REMOVE FRONT PILLAR GARNISH**

- (a) Using a screwdriver, remove the front pillar garnish.

HINT:

Tape the screwdriver tip before use.

- (b) Employ the same manner described above to the other side.

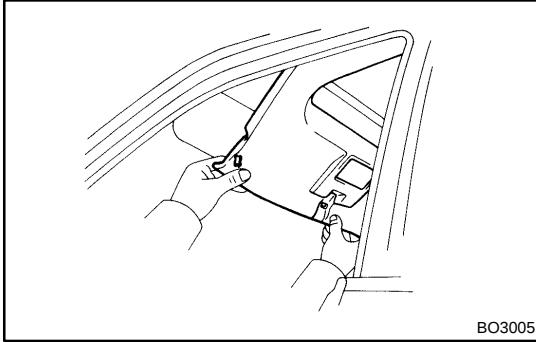
12. REMOVE ROOM LIGHT LENS AND MAP LIGHT ASSEMBLY

- (a) Remove the room light lens, screw and map light assembly.
- (b) Disconnect the connector.

13. REMOVE INNER REAR VIEW MIRROR

Remove the 3 screws and inner rear view mirror.

14. REMOVE NO. 1 ROOM LIGHT**15. REMOVE SUN VISORS AND HOLDERS**

**16. REMOVE ROOF HEADLINING**

Remove the 6 clips and roof headlining.

NOTICE:

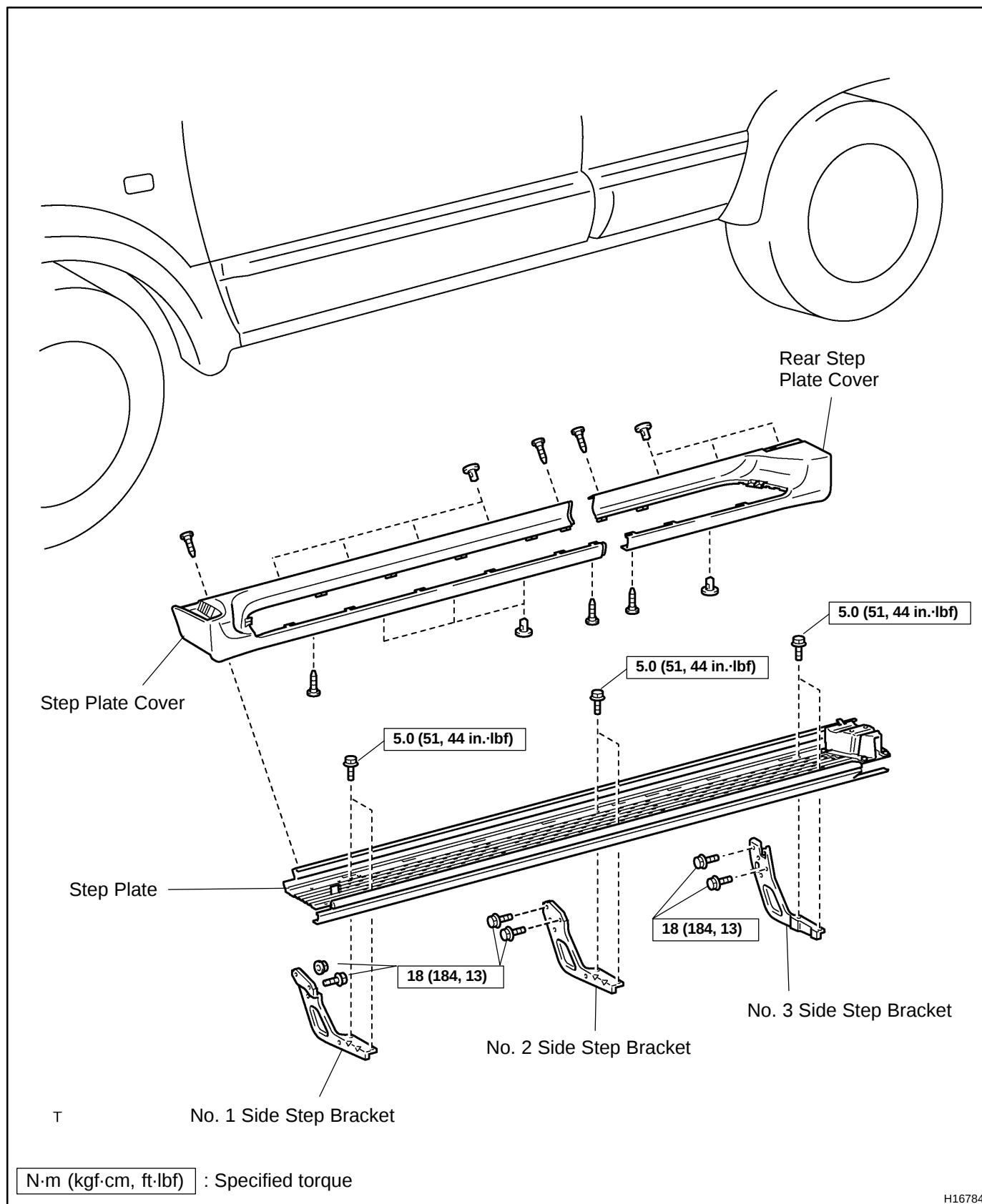
Do not damage the roof headlining.

INSTALLATION

Installation is in the reverse order of removal (See page [BO-78](#)).

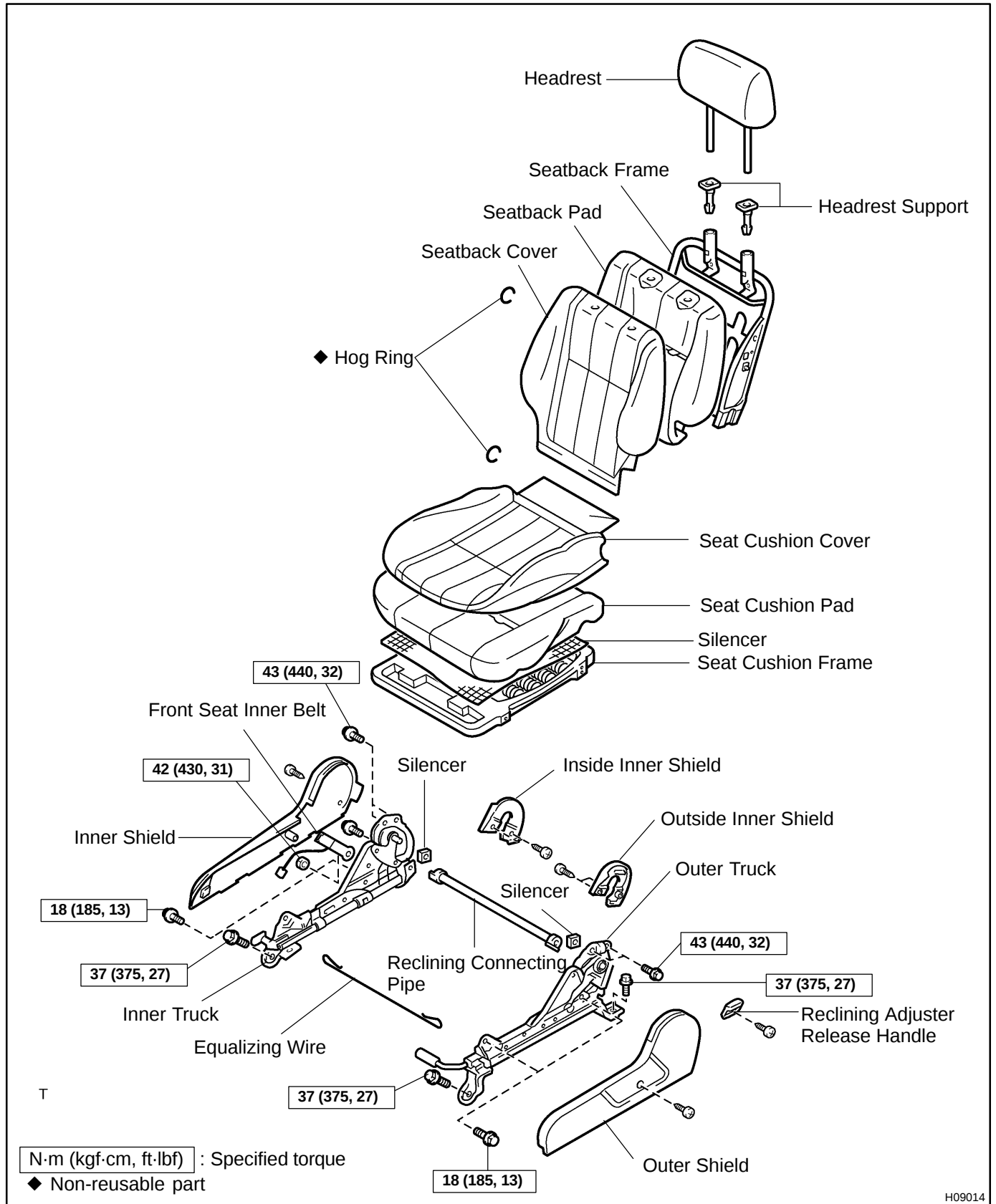
SIDE STEP COMPONENTS

B041Q-01



FRONT SEAT (Separate Type) COMPONENTS

B00CY-02



REMOVAL

REMOVE FRONT SEAT

- (a) Using a screwdriver, remove the seat track covers.

HINT:

Tape the screwdriver tip before use.

- (b) Remove the 4 bolts.
(c) Disconnect the connector.
(d) Remove the front seat.

NOTICE:

Be careful not to damage the body.

DISASSEMBLY

1. REMOVE HEADREST

2. REMOVE RECLINING ADJUSTER RELEASE HANDLE

Remove the screw and reclining adjuster release handle.

3. REMOVE OUTER SHIELD

Remove the screw and outer shield.

4. REMOVE INNER SHIELD

Remove the screw and inner shield.

5. REMOVE FRONT SEAT INNER BELT

Remove the nut and front seat inner belt.

6. REMOVE SEATBACK ASSEMBLY

- (a) Disengage the hooks.
- (b) Remove the 4 bolts and seatback assembly.

7. REMOVE SEATBACK COVER

- (a) Remove the headrest supports.
- (b) Remove the seatback frame from the seatback cover with pad.
- (c) Remove the hog rings.
- (d) Remove the seatback cover from the pad.

8. REMOVE SEAT CUSHION ASSEMBLY

Remove the 4 bolts and seat cushion assembly from the seat adjuster.

9. REMOVE SEAT CUSHION COVER

- (a) Remove the hog rings and seat cushion frame from the seat cushion cover with pad.
- (b) Remove the silencer from the seat cushion frame.
- (c) Remove the hog rings and seat cushion cover from the seat cushion pad.

10. REMOVE RECLINING CONNECTING PIPE

Remove the reclining connecting pipe and 2 silencers.

11. REMOVE EQUALIZING WIRE

12. REMOVE INSIDE INNER SHIELD

Remove the 2 screws and inside inner shield.

13. REMOVE OUTSIDE INNER SHIELD

Remove the 2 screws and outside inner shield.

INSPECTION

INSPECT RECLINING LOCK POSITION AND SLIDING LOCK POSITION SLIPPING OFF

(a) When reclining the seat, inspect that the outer and inner tracks are released at the same time.

HINT:

When the reclining lock positions slip off, disassemble the seat to adjust the position.

(b) When sliding the seat, inspect that the outer and inner track are locked at the same time.

HINT:

When sliding lock positions slip off, loosen the bolts to adjust the position.

REASSEMBLY

1. INSTALL OUTSIDE INNER SHIELD

Install the outside inner shield with the 2 screws.

2. INSTALL INSIDE INNER SHIELD

Install the inside inner shield with the 2 screws.

3. INSTALL EQUALIZING WIRE

4. INSTALL RECLINING CONNECTING PIPE

(a) Adjust the reclining lock positions of the seat adjusters.

(b) Slide the seat adjusters to the frontmost position.

(c) Place the adjusters on a spacer to adjust the seat rails in parallel and install the connecting pipe.

HINT:

When installing the connecting pipe with raising up the adjusters, the lock positions adjusted in 4-(a) step slip off, lock error will occur.

(d) Install the 2 silencers to the adjuster pin.

5. INSTALL SEAT CUSHION COVER

(a) Install the seat cushion cover with new hog rings to seat cushion pad.

(b) Install the silencer to the seat cushion frame.

(c) Install the seat cushion cover with pad to the seat cushion frame with new hog rings.

HINT:

When installing the hog rings, take care to prevent wrinkles as little as possible.

6. INSTALL SEAT CUSHION ASSEMBLY

Install the seat cushion assembly with the 4 bolts to the seat adjuster.

HINT:

Tighten the 4 bolts temporarily, then from the bolts on the rear side tighten completely.

Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)

7. INSTALL SEATBACK COVER

(a) Install the seatback cover with new hog rings to the seatback pad.

(b) Install the seatback cover with pad to the seatback frame.

(c) Install the headrest supports.

8. INSTALL SEATBACK ASSEMBLY

(a) Install the 4 bolts temporarily, then from the bolt on the front right side tighten completely.

Torque: 43 N·m (440 kgf·cm, 32 ft·lbf)

(b) Engage the hooks.

9. INSTALL FRONT SEAT INNER BELT

Install the front seat inner belt with the nut.

Torque: 42 N·m (430 kgf·cm, 31 ft·lbf)

10. INSTALL INNER SHIELD

Install the inner shield with the screw.

11. INSTALL OUTER SHIELD

Install the outer shield with the screw.

12. INSTALL RECLINING ADJUSTER RELEASE HANDLE

Install the reclining adjuster release handle with the screw.

13. INSTALL HEADREST

INSTALLATION

INSTALL FRONT SEAT

- (a) Slide the front seat to the rearmost position.

NOTICE:

Make sure at seat adjuster locks.

- (b) Without holding the seat track handle, mount the seat to the vehicle.

HINT:

If holding the seat track handle, the adjusted rearmost positions slip off.

- (c) Tighten the bolts on the front side temporarily, tighten them completely starting from the bolt on the inner side.

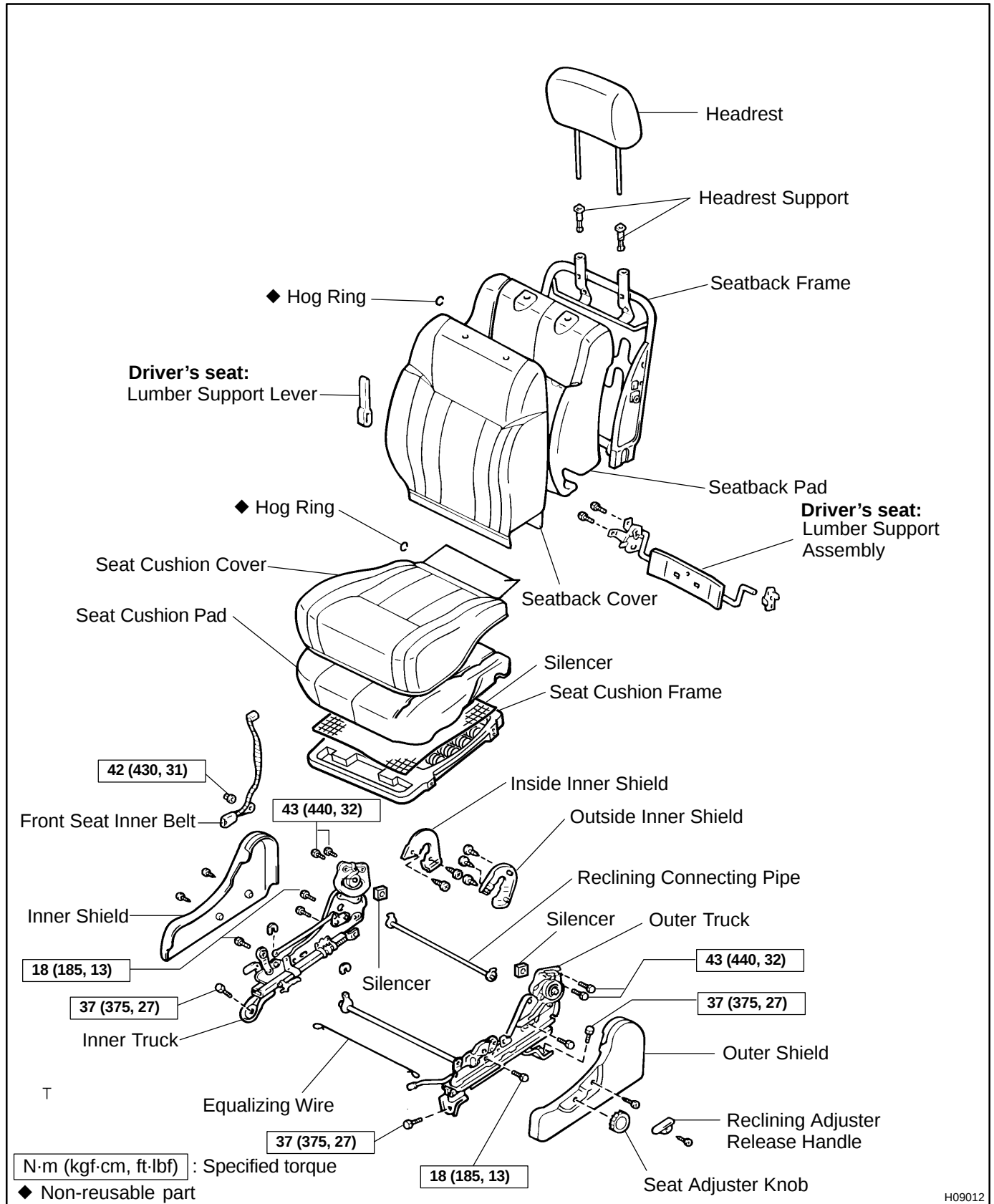
Torque: 37 N·m (375 kgf·cm, 27 ft·lbf)

- (d) Slide the seat to the frontmost position to tighten the bolts on the rear side temporarily, from the bolt on the inner side tighten completely.

Torque: 37 N·m (375 kgf·cm, 27 ft·lbf)

FRONT SEAT (Sports Type) COMPONENTS

B00D4-02



H09012

REMOVAL

REMOVE FRONT SEAT

- (a) Using a screwdriver, remove the seat track covers.

HINT:

Tape the screwdriver tip before use.

- (b) Remove the 4 bolts.
(c) Disconnect the connector.
(d) Remove the front seat.

NOTICE:

Be careful not to damage the body.

DISASSEMBLY

1. REMOVE HEADREST

2. REMOVE RECLINING ADJUSTER RELEASE HANDLE

Remove the screw and reclining adjuster release handle.

3. REMOVE SEAT ADJUSTER KNOB

4. REMOVE OUTER SHIELD

Remove the screw and outer shield.

5. REMOVE INNER SHIELD

Remove the 2 screws and inner shield.

6. REMOVE FRONT SEAT INNER BELT

Remove the nut and front seat inner belt.

7. REMOVE SEATBACK ASSEMBLY

(a) Disengage the hooks.

(b) Remove the 4 bolts and seatback assembly.

8. REMOVE SEATBACK COVER

(a) Remove the headrest supports.

(b) Remove the seatback frame from the seatback cover with pad.

(c) Driver's seat:

Using a screwdriver, remove the lumbar support lever.

(d) Driver's seat:

Remove the 2 bolts and lumbar support assembly from the seatback frame.

(e) Remove the hog rings.

(f) Remove the seatback cover from the pad.

9. REMOVE SEAT CUSHION ASSEMBLY

Remove the 4 bolts and seat cushion assembly from the seat adjuster.

10. REMOVE SEAT CUSHION COVER

(a) Remove the hog rings and seat cushion frame from the seat cushion cover with pad.

(b) Remove the silencer from the seat cushion frame.

(c) Remove the hog rings and seat cushion cover from the seat cushion pad.

11. REMOVE RECLINING CONNECTING PIPE

Remove the reclining connecting pipe and 2 silencers.

12. REMOVE EQUALIZING WIRE

13. REMOVE INSIDE INNER SHIELD

Remove the 2 screws and inside inner shield.

14. REMOVE OUTSIDE INNER SHIELD

Remove the 3 screws and outside inner shield.

INSPECTION

INSPECT RECLINING LOCK POSITION AND SLIDING LOCK POSITION SLIPPING OFF

(a) When reclining the seat, inspect that the outer and inner tracks are released at the same time.

HINT:

When the reclining lock positions slip off, disassemble the seat to adjust the position.

(b) When sliding the seat, inspect that the outer and inner track are locked at the same time.

HINT:

When sliding lock positions slip off, loosen the bolts to adjust the position.

REASSEMBLY

1. INSTALL OUTSIDE INNER SHIELD

Install the outside inner shield with the 3 screws.

2. INSTALL INSIDE INNER SHIELD

Install the inside inner shield with the 2 screws.

3. INSTALL EQUALIZING WIRE

4. INSTALL RECLINING CONNECTING PIPE

(a) Adjust the reclining lock positions of the seat adjusters.

(b) Slide the seat adjusters to the most front position.

(c) Place the adjusters on a spacer to adjust the seat rails in parallel and install the connecting pipe.

HINT:

When installing the connecting pipe with raising up the adjusters, the lock positions adjusted in 4-(a) step slip off, lock error will occur.

(d) Install the 2 silencers to the adjuster pin.

5. INSTALL SEAT CUSHION COVER

(a) Install the seat cushion cover with new hog rings to set cushion pad.

(b) Install the silencer to the seat cushion frame.

(c) Install the seat cushion cover with pad to the seat cushion frame with new hog rings.

HINT:

When installing the hog rings, take care to prevent wrinkles as little as possible.

6. INSTALL SEAT CUSHION ASSEMBLY

Install the seat cushion assembly with the 4 bolts to the seat adjuster.

HINT:

Tighten the 4 bolts temporarily, then from the bolts on the rear side tighten completely.

Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)

7. INSTALL SEATBACK COVER

(a) Install the seatback cover with new hog rings to the seatback pad.

(b) Driver's seat:

Install the lumbar support assembly with the 2 bolts to the seatback frame.

(c) Install the seatback cover with pad to the seatback frame.

(d) Driver's seat:

Install the lumbar support lever.

(e) Install the headrest supports.

8. INSTALL SEATBACK ASSEMBLY

(a) Install the 4 bolts temporarily, then from the bolt on the front right side tighten completely.

Torque: 43 N·m (440 kgf·cm, 32 ft·lbf)

(b) Engage the hooks.

9. INSTALL FRONT SEAT INNER BELT

Install the front seat inner belt with the nut.

Torque: 42 N·m (430 kgf·cm, 31 ft·lbf)

10. INSTALL INNER SHIELD

Install the inner shield with the 2 screws.

11. INSTALL OUTER SHIELD

Install the outer shield with the screw.

12. INSTALL SEAT ADJUSTER KNOB

13. INSTALL RECLINING ADJUSTER RELEASE HANDLE

Install the reclining adjuster release handle with the screw.

14. INSTALL HEADREST

INSTALLATION

INSTALL FRONT SEAT

- (a) Slide the front seat to the rearmost position.

NOTICE:

Make sure at seat adjuster locks.

- (b) Without holding the seat track handle, mount the seat to the vehicle.

HINT:

If holding the seat track handle, the adjusted rearmost positions slip off.

- (c) Tighten the bolts on the front side temporarily, tighten them completely starting from the bolt on the inner side.

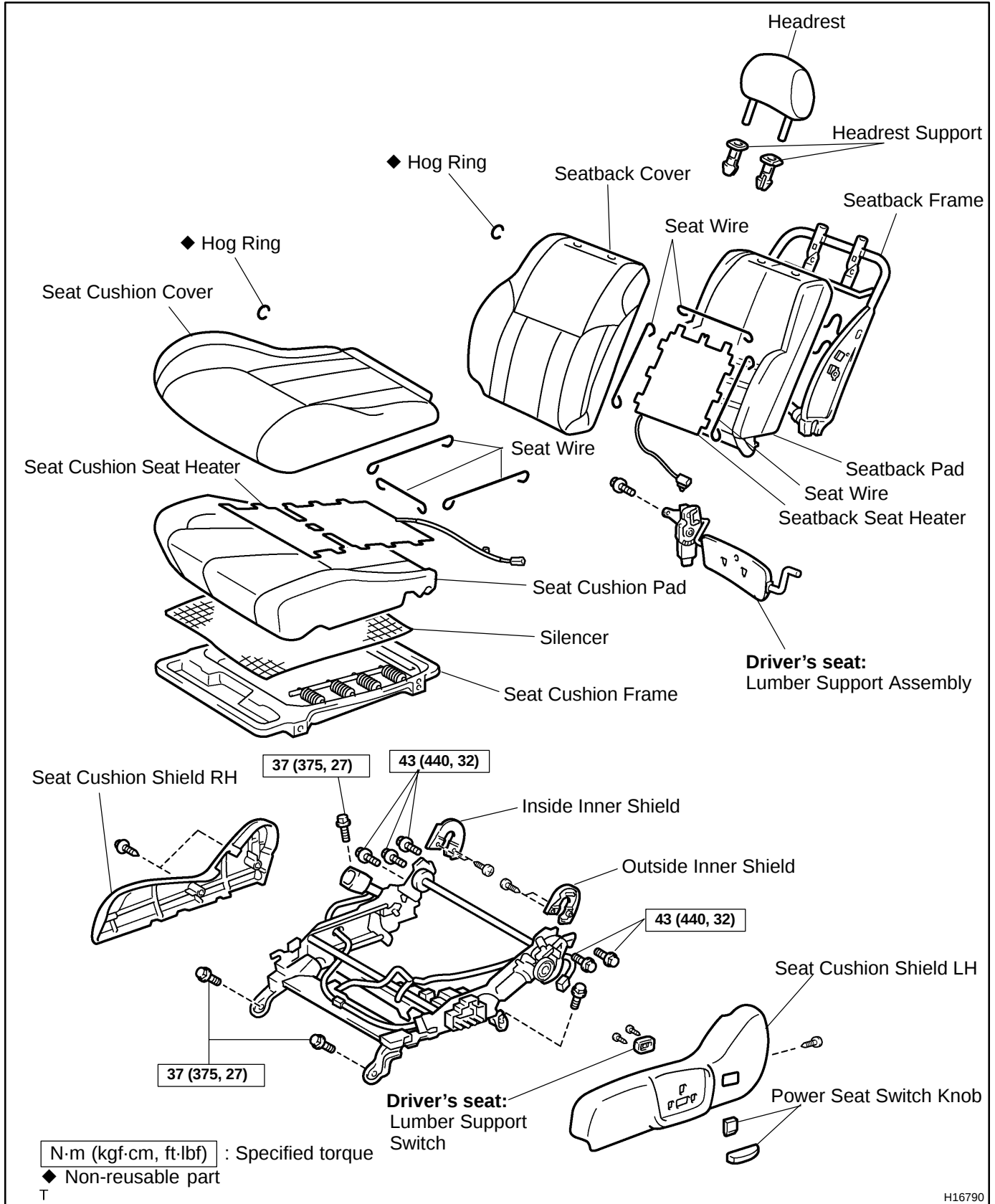
Torque: 37 N·m (375 kgf·cm, 27 ft·lbf)

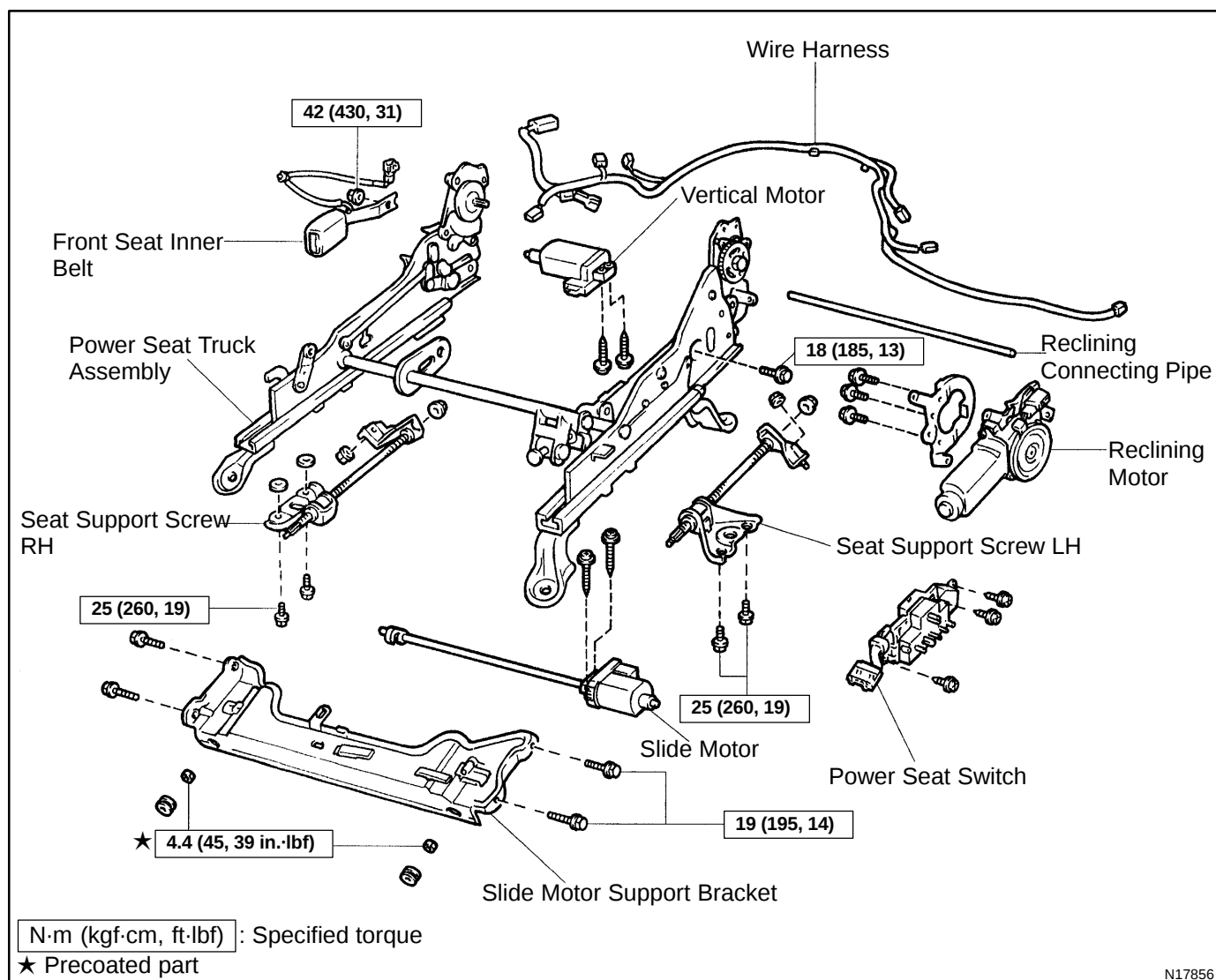
- (d) Slide the seat to the frontmost position to tighten the bolts on the rear side temporarily, from the bolt on the inner side tighten completely.

Torque: 37 N·m (375 kgf·cm, 27 ft·lbf)

FRONT SEAT (Power Adjuster Type) COMPONENTS

B00DN-03





N17856

REMOVAL

REMOVE FRONT SEAT

- (a) Using a screwdriver, remove the seat track covers.

HINT:

Tape the screwdriver tip before use.

- (b) Remove the 4 bolts.
(c) Disconnect the connectors.
(d) Remove the front seat.

NOTICE:

Be careful not to damage the body.

DISASSEMBLY

1. REMOVE HEADREST

2. REMOVE POWER SEAT SWITCH KNOBS

Using a screwdriver, remove the power seat switch knobs.

HINT:

Tape the screwdriver tip before use.

3. REMOVE SEAT CUSHION SHIELD LH

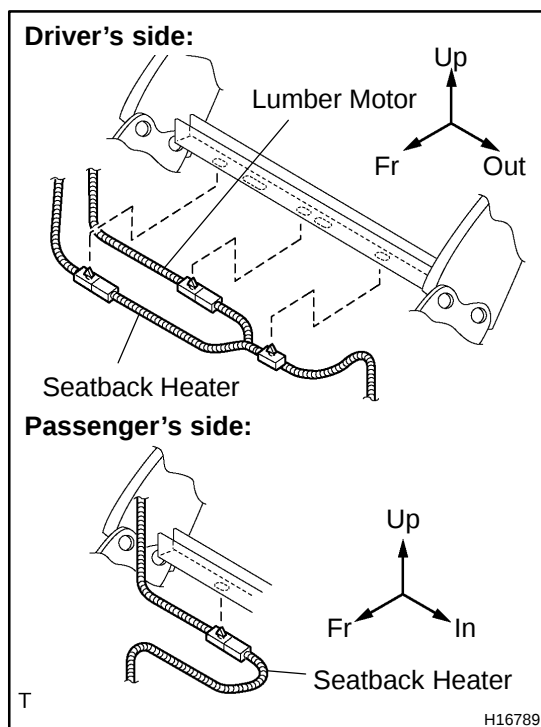
- Remove the screw.
- Disconnect the connector, then remove the seat cushion shield LH.
- Remove the 2 screws and lumbar support switch from the seat cushion shield LH.

4. REMOVE SEAT CUSHION SHIELD RH

Remove the 2 screws and seat cushion shield RH.

5. REMOVE SEATBACK ASSEMBLY

- Disengage the hook.



- Disconnect the connectors.

- Remove the 4 bolts and seatback assembly.

6. REMOVE SEATBACK COVER

- Remove the headrest supports.
- Remove the seatback frame from the seatback cover with pad.
- Driver's seat:
Remove the 2 bolts and lumbar support assembly from the seatback frame.

- Remove the seatback cover from the seatback pad.

7. IF NECESSARY, REPLACE SEATBACK SEAT HEATER (See page BO-101)

8. REMOVE SEAT CUSHION ASSEMBLY

Remove the 4 bolts and seat cushion assembly.

9. REMOVE SEAT CUSHION COVER

- Remove the seat cushion frame from the seat cushion cover with pad.
- Remove the silencer from the seat cushion frame.
- Remove the seat cushion cover from the seat cushion pad.

10. IF NECESSARY, REPLACE SEAT CUSHION SEAT HEATER (See page BO-101)

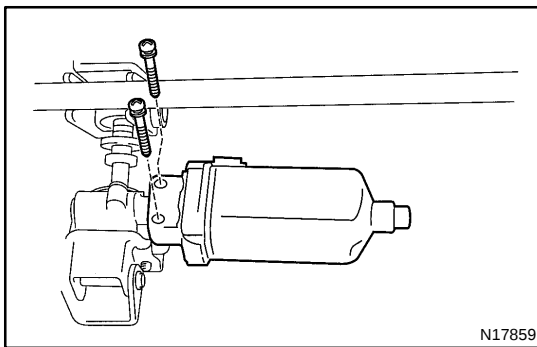
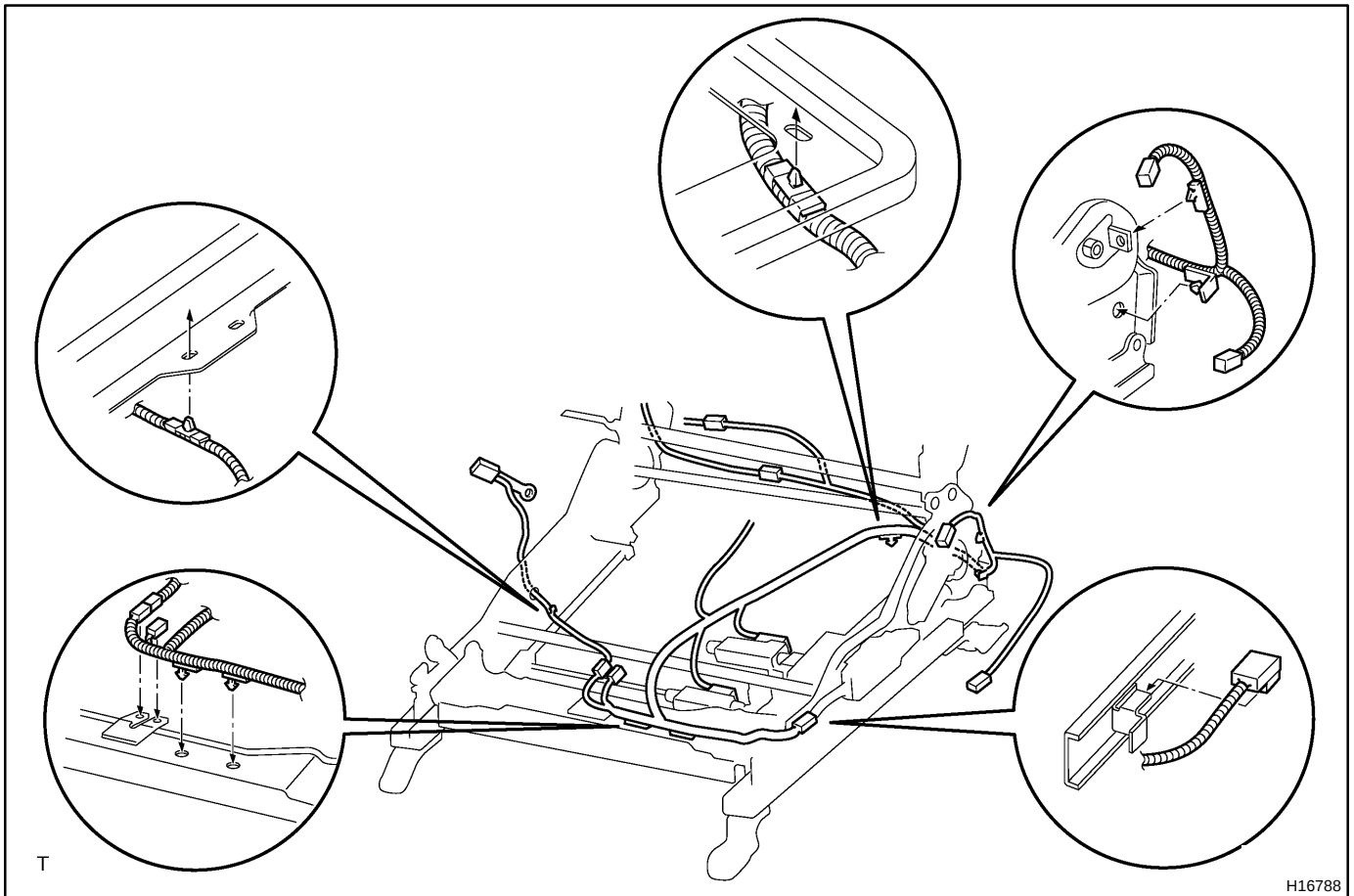
11. REMOVE INSIDE INNER SHIELD

12. REMOVE OUTSIDE INNER SHIELD

13. REMOVE WIRE HARNESS

- Disconnect the connectors.

- (b) Disengage the clamps of wire harness, then remove the wire harness from the seat adjuster.

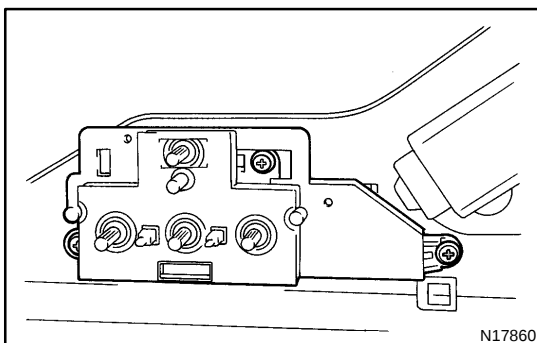


14. REMOVE SLIDE MOTOR

- (a) Remove the 2 screws.
(b) Pull out the drive cable.

15. REMOVE VERTICAL MOTOR

Remove the 2 screws and motor.

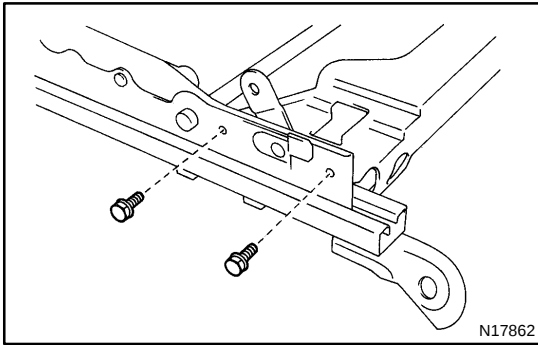


16. REMOVE POWER SEAT SWITCH

Remove the 3 screws and switch.

17. REMOVE RECLINING MOTOR

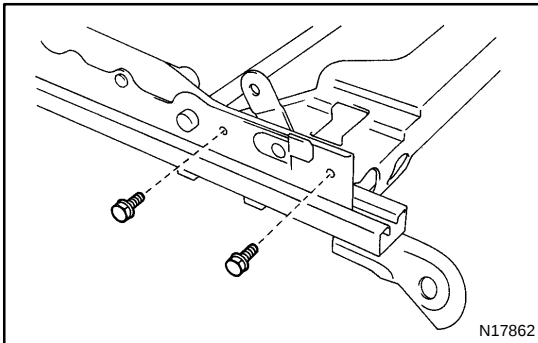
Remove the 3 screws and motor.

**18. REMOVE SEAT SUPPORT SCREW**

- (a) Remove the 2 bolts, 2 nuts and support screw.
- (b) Employ the same manner described above to the other side.

19. REMOVE FRONT SEAT INNER BELT

Remove the nut and inner belt.

**20. REMOVE SLIDE MOTOR SUPPORT BRACKET**

Remove the 4 bolts and support bracket.

21. REMOVE RECLINING CONNECTING PIPE

REPLACEMENT

HINT:

- The following is the seat heater replacement procedure.
- Care should be taken during operation to protect the seat cover from scratches, dirt or accidental cuts.

1. TURN SEAT COVER INSIDE OUT

2. REMOVE SEAT WIRES

3. REMOVE SEAT HEATER

(a) Seat cushion cover:

Cut the 10 tack pins which are fastened to the seat heater, then remove the seat heater.

(b) Seatback cover:

Cut the 9 tack pins which are fastened to the seat heater, then remove the seat heater.

4. INSTALL SEAT CUSHION SEAT HEATER

(a) Set a seat heater.

HINT:

Face the marked side (mark: TOYOTA) to the seat cushion pad.

- (b) For part A, position the seat heater by aligning the end of the fin with the fold line of the listing pocket.
- (c) For part B, position the seat heater by aligning the V-slit of the seat heater with center line of the seat cushion cover.
- (d) Using tracker, attach tack pins to the seat heater as shown in the illustration.

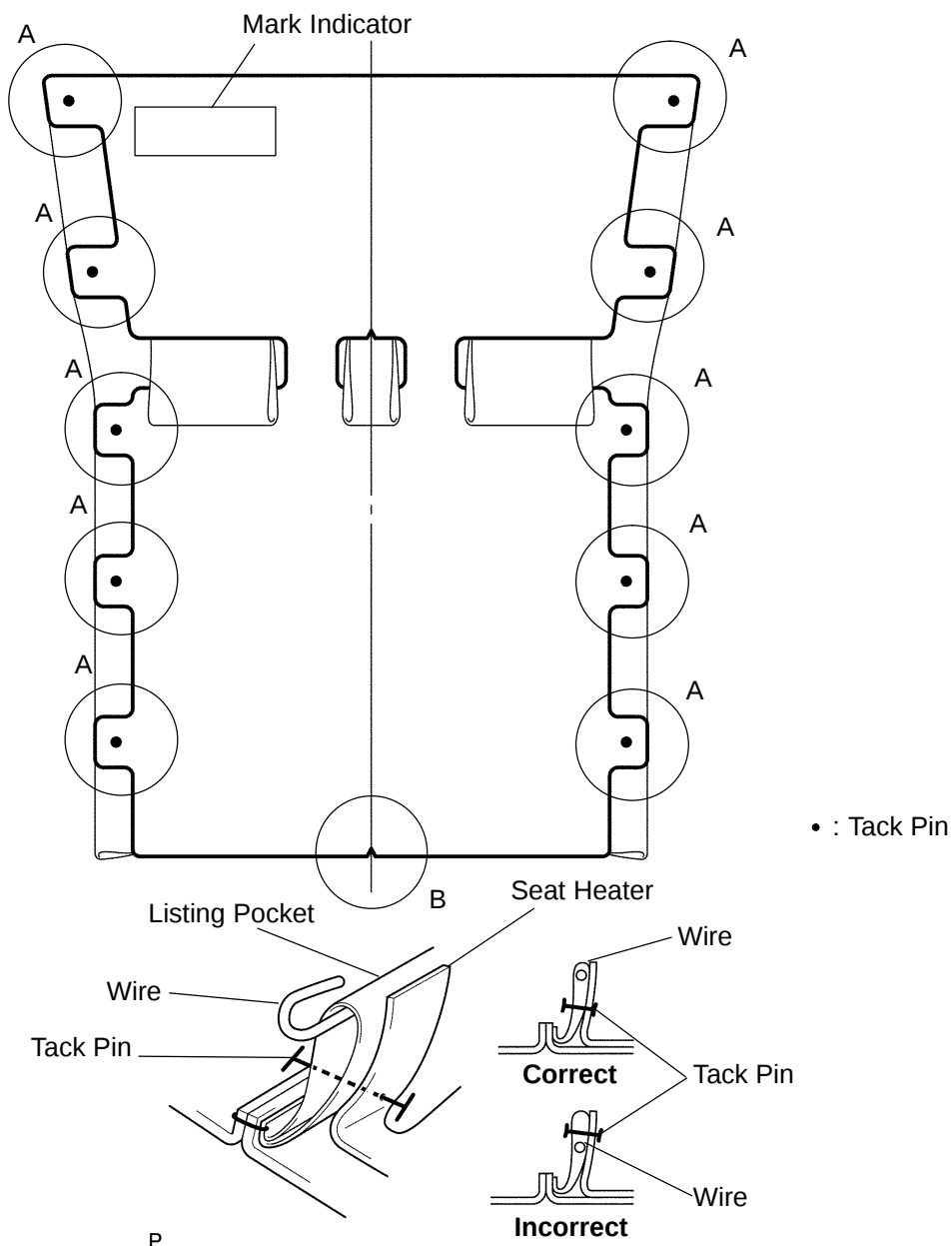
Tacker: BANZAI 303XT or equivalent.

NOTICE:

- **Do not substitute other metal part in place of tack pins.**
- **Insufficient distance between the heater and cover may result in damage to the heater.**

HINT:

- Attach tack pins on the seam side so that the wire can be threaded through the hole from the fold side.
- Sewing thread can be substituted for tack pins. However, allow a distance of 6 - 7 mm (0.24 - 0.28 in.) between both sewed parts of the heater and cover.



H16787
H13613

H16782

5. INSTALL SEATBACK SEAT HEATER

- (a) Set the seat heater.

HINT:

Face the marked side (mark: TOYOTA) to the seat cushion pad.

- (b) For Part A, position the seat heater by aligning the end of the fin with the told line of the listing pocket.
- (c) For part B, position the seat heater by aligning the V-slit of the seat heater with the center line of the seat cover.
- (d) Using a tacker, attach tack pins to the seat heater as shown in the illustration.

Tacker: BANZAI 303XT or equivalent.

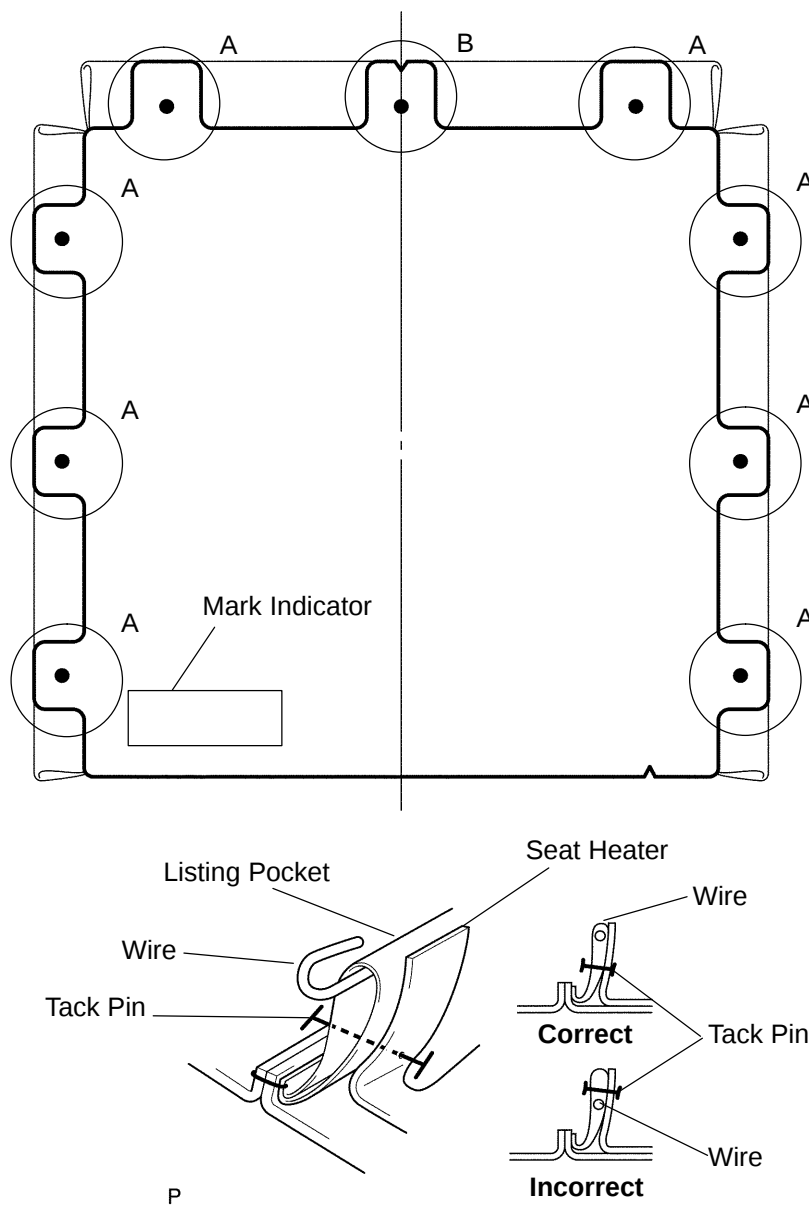
NOTICE:

- Do not substitute other metal part in place of tack pins.

- **Insufficient distance between the heater and cover may result in damage to the heater**

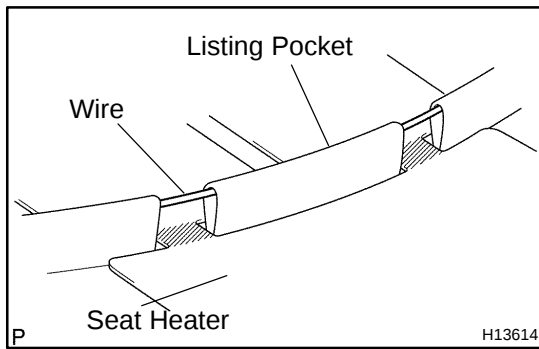
HINT:

- Attach tack pins on the seam side so that the wire can be threaded through the hole from the fold side.
- Sewing thread can be substituted for tack pins. However, allow a distance of 6 - 7 mm (0.24 - 0.28 in.) between both sewed part of the heater and cover.



H16786
H13613

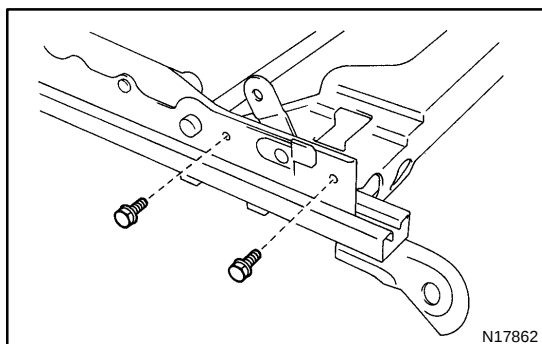
H16783

**6. INSTALL SEAT WIRES**

HINT:

Pass the wire over the seat heater as shown in the illustration

7. REVERSE SEAT COVER BACK TO ITS ORIGINAL POSITION



REASSEMBLY

HINT:

Before installing the parts, coat them with MP grease while referring to the components.

1. **INSTALL RECLINING CONNECTING PIPE**
2. **INSTALL SLIDE MOTOR SUPPORT BRACKET**

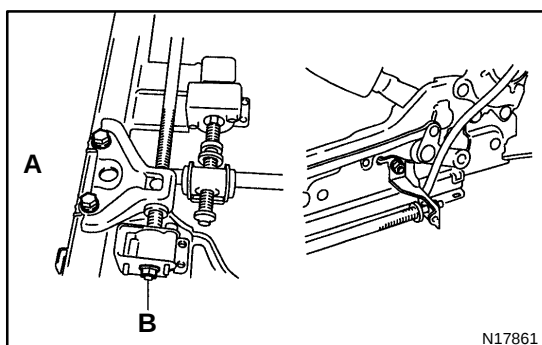
Install the support bracket with 4 bolts.

Torque: 19 N·m (195 kgf·cm, 14 ft·lbf)

3. **INSTALL FRONT SEAT INNER BELT**

Install the inner belt with nut.

Torque: 42 N·m (430 kgf·cm, 31 ft·lbf)



4. **INSTALL SEAT SUPPORT SCREW**

(a) Install the support screw with the 2 bolts and 2 nuts.

Torque:

A bolt: 25 N·m (260 kgf·cm, 19 ft·lbf)

B nut: 4.4 N·m (45 kgf·cm, 39 ft·lbf)

HINT:

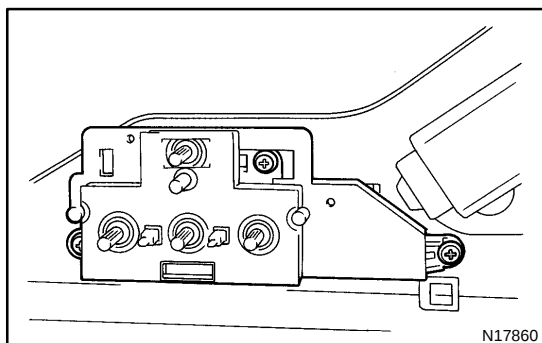
Apply adhesive to the nut.

Part No. 08833-00070, THREE BOND 1324 or equivalent

(b) Employ the same manner described above to the other side.

5. **INSTALL RECLINING MOTOR**

Install the motor with 3 screws.

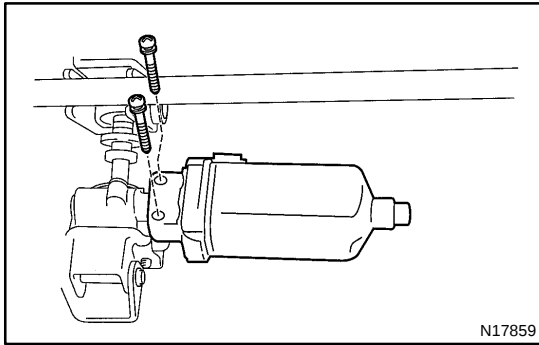


6. **INSTALL POWER SEAT SWITCH**

Install the power seat switch with the 3 screws.

7. **INSTALL VERTICAL MOTOR**

Install the vertical motor with the 2 screws.

**8. INSTALL SLIDE MOTOR**

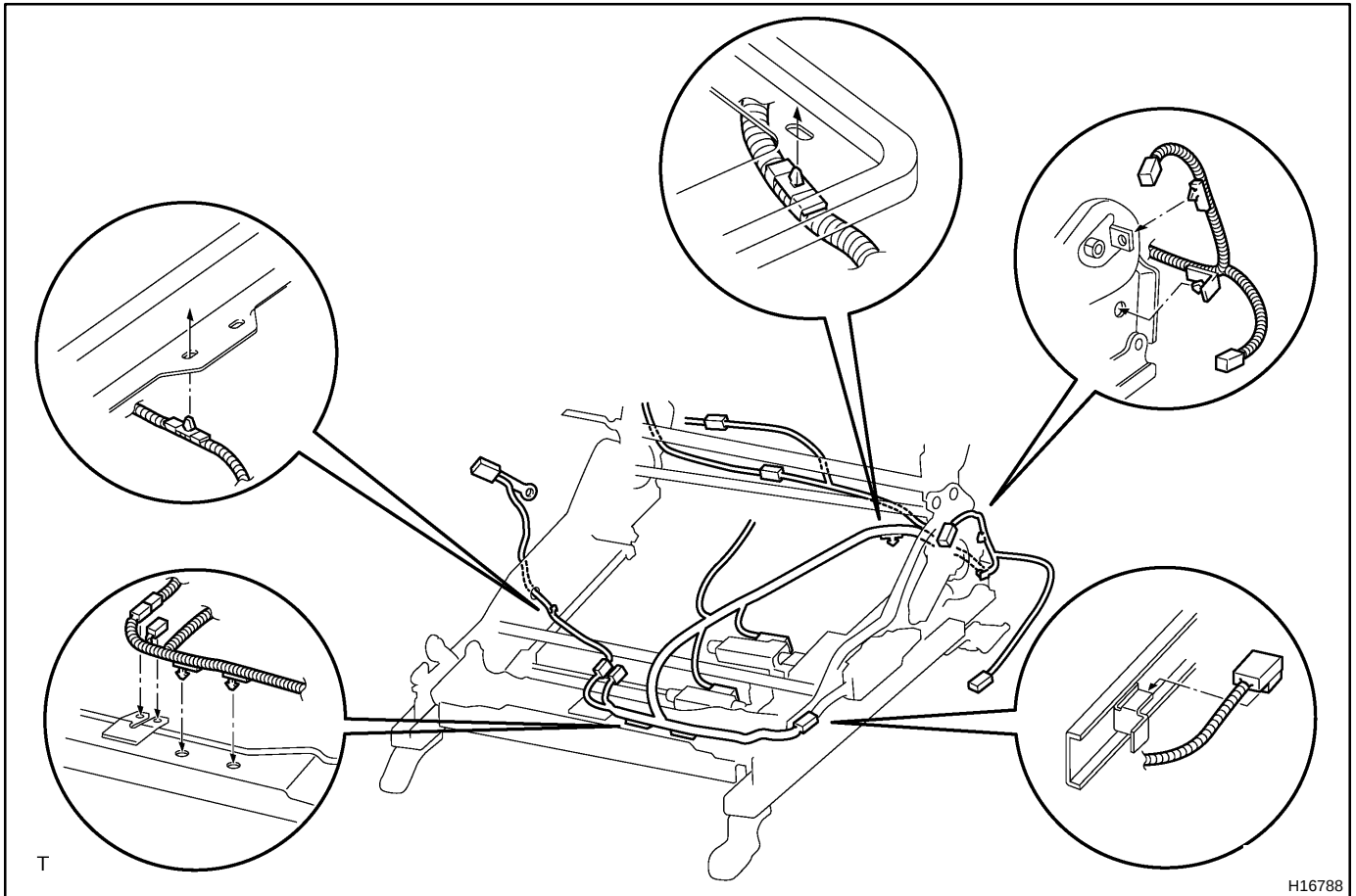
- (a) Connect the drive cable.
- (b) Install the slide motor with 2 screws.

HINT:

When installing the slide motor, tighten both the left and right seat slide screws equally.

9. INSTALL WIRE HARNESS

- (a) Install the wire harness to the seat adjuster.
- (b) Connect the connectors.

**10. INSTALL OUTSIDE INNER SHIELD****11. INSTALL INSIDE INNER SHIELD****12. INSTALL SEAT CUSHION COVER**

- (a) Install the seat cushion cover with new hog rings to seat cushion pad.
- (b) Install the silencer to the seat cushion frame.
- (c) Install the seat cushion cover with pad to the seat cushion frame with new hog rings.

HINT:

Install the hog rings to prevent wrinkles as least as possible.

13. INSTALL SEAT CUSHION ASSEMBLY

Install the seat cushion assembly with the 4 bolts to the seat.

Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)

HINT:

Tighten the 4 bolts temporarily, then from the bolts on the rear side tighten completely.

14. INSTALL SEATBACK COVER

- (a) Install the lumber support assembly with the 2 bolts to the seatback pad.
- (b) Driver's seat:
Install the lumber support assembly with the 2 bolts to the seatback frame.
- (c) Install the seatback cover with pad to the seatback frame.
- (d) Install the headrest supports.

15. INSTALL SEATBACK ASSEMBLY

- (a) Install the 4 bolts temporarily, then from the bolt on the front right side tighten completely.

Torque: 43 N·m (440 kgf·cm, 32 ft·lbf)

- (b) Engage the hooks.

16. INSTALL SEAT CUSHION SHIELD RH

Install the seat cushion shield RH with the 2 screws.

17. INSTALL SEAT CUSHION SHIELD LH

Install the lumber support switch with the 2 screws to the seat cushion shield LH.

18. INSTALL POWER SEAT SWITCH KNOBS**19. INSTALL HEADREST**

INSTALLATION

INSTALL FRONT SEAT

- (a) Mount the seat to the vehicle.
- (b) Connect the connectors.
- (c) Slide the front seat to the rearmost position.
- (d) Tighten the bolts on the front side temporarily, tighten them completely starting from the bolt on the inner side.

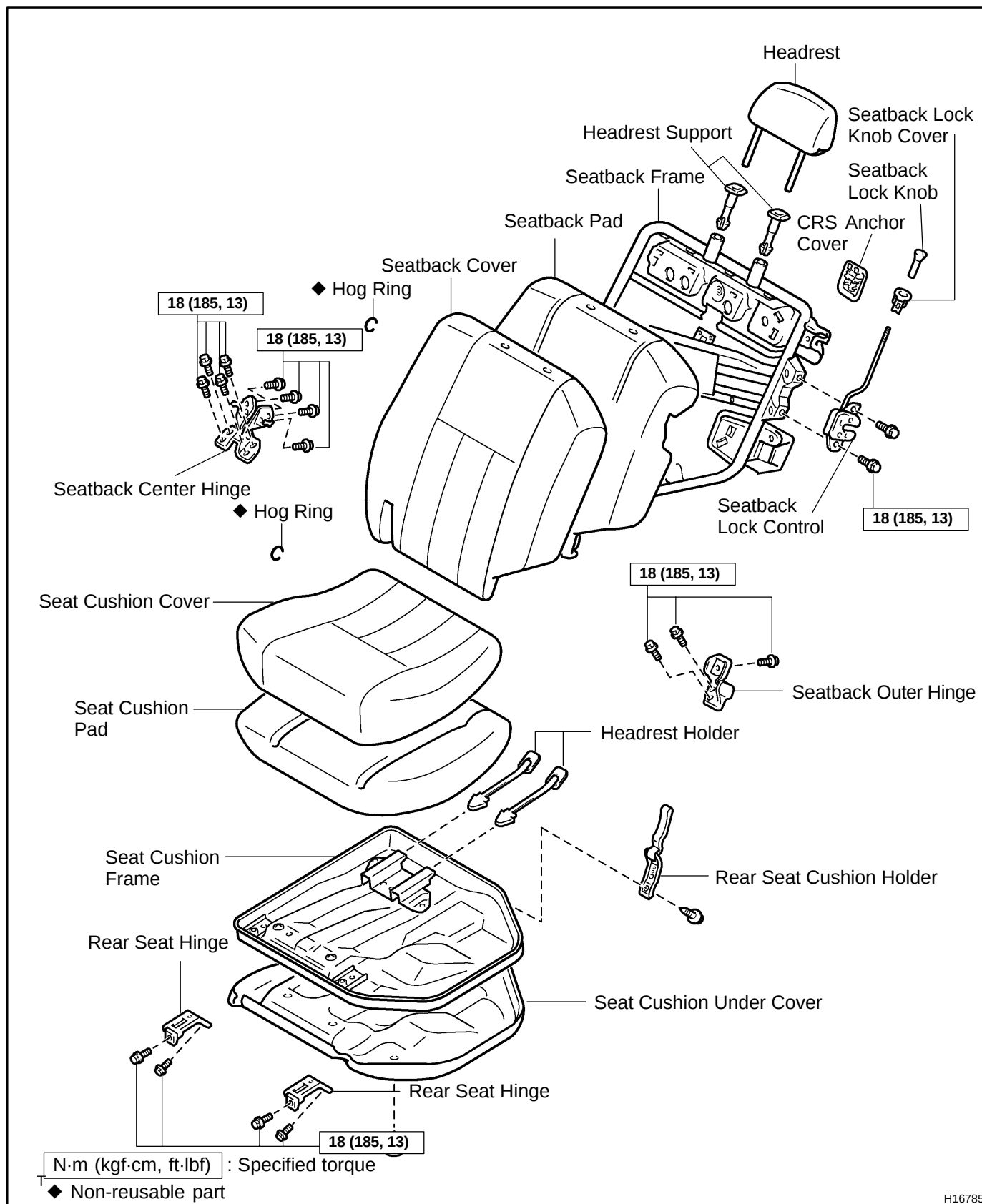
Torque: 37 N·m (375 kgf·cm, 27 ft·lbf)

- (e) Slide the seat to the frontmost position to tighten the bolts on the rear side temporarily, from the bolt on the inner side tighten completely.

Torque: 37 N·m (375 kgf·cm, 27 ft·lbf)

REAR NO.1 SEAT COMPONENTS

B00DA-03



H16785

REMOVAL

1. REMOVE SEAT CUSHION ASSEMBLY

- (a) Using a screwdriver, remove the rear seat hinge covers.

HINT:

Tape the screwdriver tip before use.

- (b) Remove the 2 bolts and seat cushion assembly.

2. REMOVE SEATBACK ASSEMBLY

- (a) Insert a screwdriver between the seatback assembly and rear floor carpet to remove the rear floor carpet.

HINT:

Tape the screwdriver tip before use.

- (b) Remove the 3 bolts and release the seatback lock to remove the seatback assembly.

- (c) Remove the seatback assembly.

3. REMOVE SEATBACK OUTER HINGE

Remove the 2 bolts and seatback outer hinge.

4. REMOVE SEATBACK CENTER HINGE

Remove the 4 bolts and seatback center hinge.

DISASSEMBLY

1. REMOVE HEADREST
2. REMOVE SEATBACK LOCK KNOB
3. REMOVE CRS ANCHOR COVER
4. REMOVE SEATBACK LOCK KNOB COVER
5. REMOVE HEADREST SUPPORTS
6. REMOVE SEATBACK COVER

- (a) Remove the hog rings and seatback frame from the seatback cover with pad.
- (b) Remove the 2 bolts and seatback lock control from the seatback frame.
- (c) Remove the hog rings and seatback cover from the seatback pad.

7. REMOVE REAR SEAT CUSHION HOLDER

Remove the screw and rear seat cushion holder.

8. REMOVE SEAT CUSHION COVER

- (a) Remove the seat cushion cover with pad.
- (b) Remove the hog rings and seat cushion cover from the seat cushion pad.
- (c) Remove the 2 headrest holders from the seat cushion frame.
- (d) Using a clip remover, remove the clips and seat cushion under cover from the seat cushion frame.

REASSEMBLY

1. INSTALL SEAT CUSHION COVER

- (a) Install the seat cushion under cover with the clips to the seat cushion frame.
- (b) Install the 2 headrest holders to the seat cushion frame.
- (c) Install the seat cushion cover with new hog rings to the seat cushion pad.
- (d) Install the seat cushion cover with pad.

2. INSTALL REAR SEAT CUSHION HOLDER

Install the rear seat cushion holder with the screw.

3. INSTALL SEATBACK COVER

- (a) Install seatback cover with new hog rings to the seatback pad.
- (b) Install the seatback lock control with the 2 bolts to the seatback frame.
- (c) Install the seatback frame with new hog rings to the seatback cover with pad.

4. INSTALL HEADREST SUPPORTS

5. INSTALL CRS ANCHOR COVER

6. INSTALL SEATBACK LOCK KNOB COVER

7. INSTALL SEATBACK LOCK KNOB

8. INSTALL HEADREST

INSTALLATION

1. INSTALL SEATBACK CENTER HINGE

Install the seatback center hinge with the 4 bolts to the body.

Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)

2. INSTALL SEATBACK OUTER HINGE

Install the seatback outer hinge with the 2 bolts to the body.

Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)

3. INSTALL SEATBACK ASSEMBLY

(a) Install the seatback assembly with the 3 bolts.

Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)

(b) Install the rear floor carpet to seatback assembly.

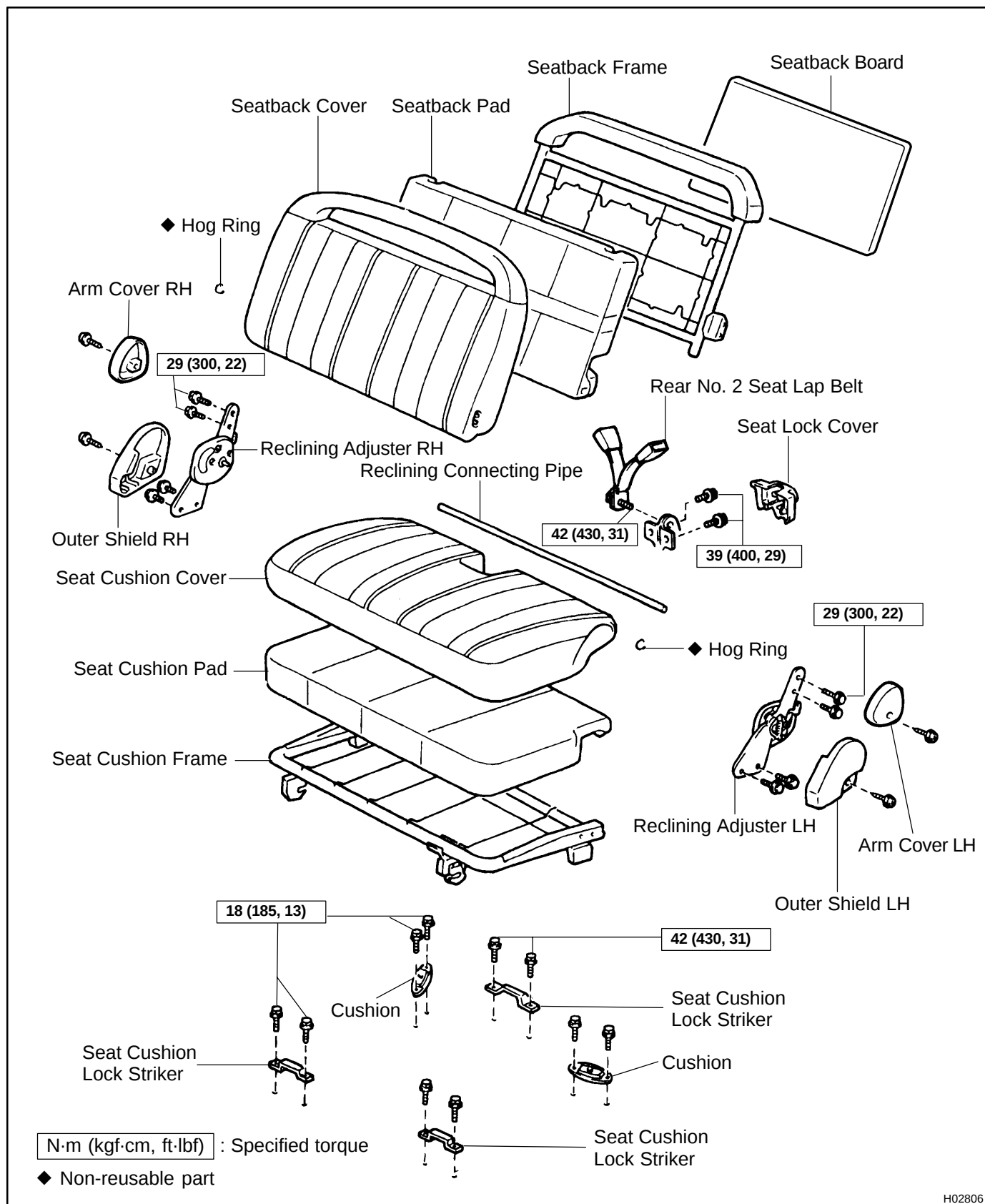
4. INSTALL SEAT CUSHION ASSEMBLY

(a) Install the seat cushion assembly with the 2 bolts to the body.

(b) Install the rear seat hinge covers.

REAR NO.2 SEAT COMPONENTS

B00DF-02



H02806

DISASSEMBLY

1. REMOVE OUTER SHIELD RH

Remove the screw and outer shield RH.

2. REMOVE OUTER SHIELD LH

Remove the screw and outer shield LH.

3. REMOVE SEATBACK ASSEMBLY

(a) Remove the 2 screws and arm covers.

(b) Remove the 4 bolts and seatback assembly.

4. REMOVE SEATBACK COVER

(a) Remove the seatback board.

(b) Remove the hog rings.

(c) Zip the seatback cover open to remove the seatback cover.

5. REMOVE SEATBACK PAD

Remove the seatback pad from the seatback frame.

6. REMOVE RECLINING ADJUSTER RH AND LH

Remove the 8 bolts, reclining adjuster RH and LH.

7. REMOVE RECLINING CONNECTING PIPE

8. REMOVE SEAT CUSHION COVER

Remove the hog rings and seat cushion cover.

9. REMOVE SEAT CUSHION PAD

Remove the seat cushion pad from the seat cushion frame.

10. REMOVE SEAT LOCK COVER

11. REMOVE REAR NO. 2 SEAT LAP BELT

Remove the bolt and rear No. 2 seat lap belt

12. REMOVE SEAT LOCK ASSEMBLY

INSPECTION

INSPECT RECLINING LOCK POSITION SLIPPING OFF

When reclining the seat, inspect that the reclining adjuster RH and LH are released at the same time.

HINT:

When the reclining lock positions slip off, disassemble the seat to adjust the position.

REASSEMBLY

1. INSTALL SEAT LOCK ASSEMBLY

Torque: 39 N·m (400 kgf·cm, 29 ft·lbf)

2. INSTALL REAR NO. 2 SEAT LAP BELT

Install the rear No. 2 seat lap belt with the bolt.

Torque: 42 N·m (430 kgf·cm, 31 ft·lbf)

3. INSTALL SEAT LOCK COVER

4. INSTALL SEAT CUSHION PAD

Install the seat cushion pad to the seat cushion frame.

5. INSTALL SEAT CUSHION COVER

Install the seat cushion cover with new hog rings to seat cushion pad with frame.

6. INSTALL RECLINING CONNECTING PIPE

7. INSTALL RECLINING ADJUSTER RH AND LH

Install the reclining adjuster RH and LH with the 8 bolts.

Torque: 29 N·m (300 kgf·cm, 22 ft·lbf)

8. INSTALL SEATBACK PAD

Install the seatback pad to the seatback frame.

9. INSTALL SEATBACK COVER

(a) Install the seatback cover to the seatback pad with frame, then zip the seatback cover close.

(b) Install new hog rings.

(c) Install seatback board.

10. INSTALL SEATBACK ASSEMBLY

(a) Install the seatback assembly with the 4 bolts.

Torque: 29 N·m (300 kgf·cm, 22 ft·lbf)

(b) Install arm covers with the 2 screws.

11. INSTALL OUTER SHIELD LH

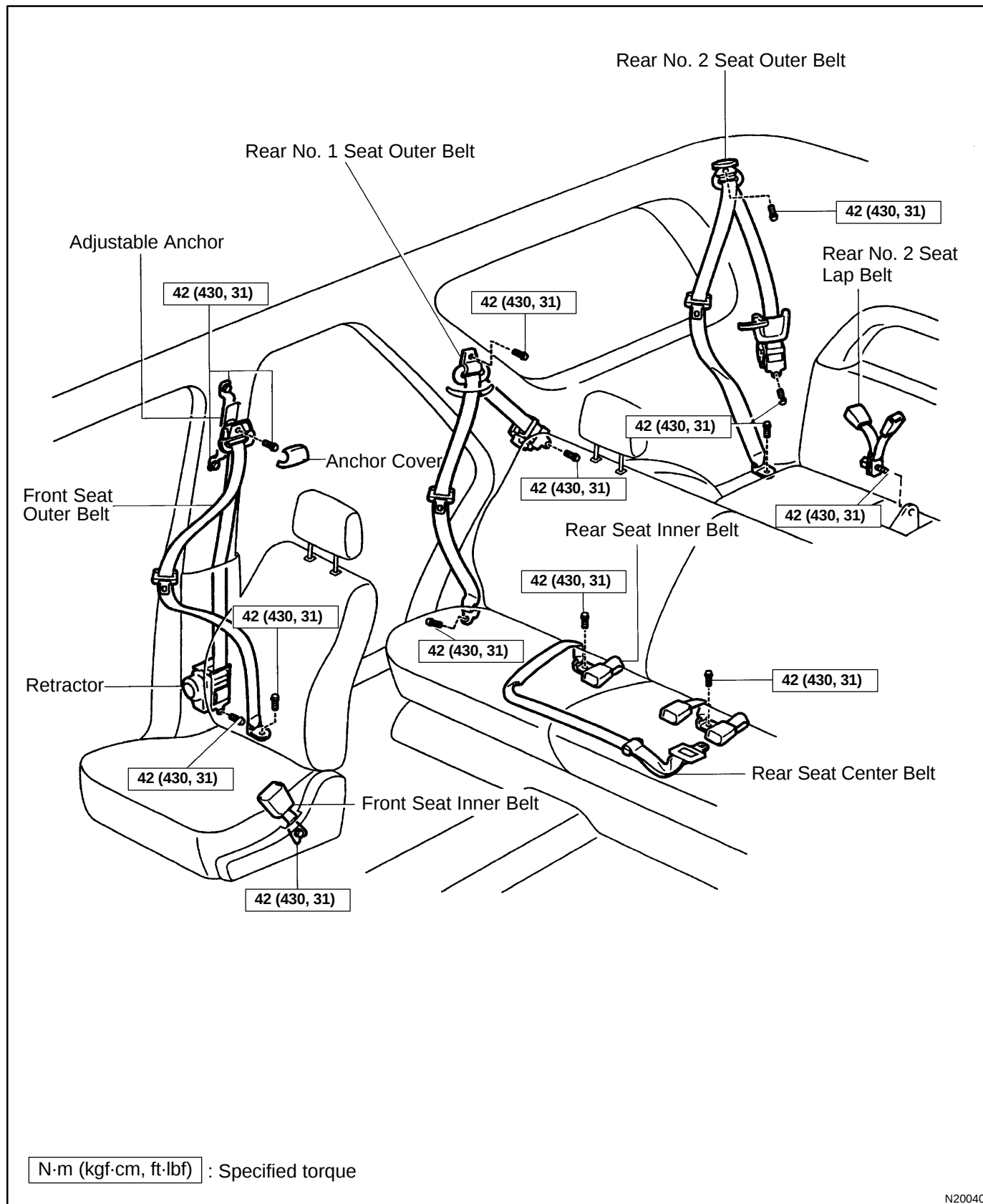
Install the outer shield LH with the screw.

12. INSTALL OUTER SHIELD RH

Install the outer shield RH with the screw.

SEAT BELT COMPONENTS

B00DL-02



N20040

INSPECTION

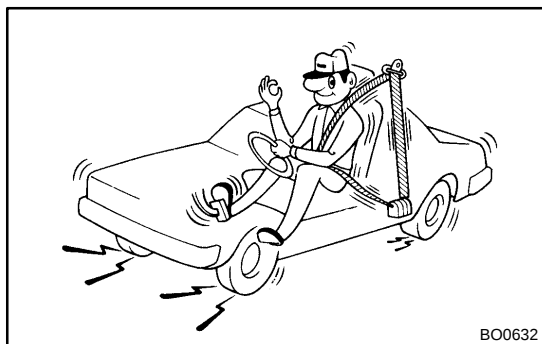
CAUTION:

Replace the seat belt assembly (outer belt, inner belt, bolts or nuts and sill-bar) if it has been used in a severe impact. The entire assembly should be replaced even if damage is not obvious.

1. Except manual type seat belt:

RUNNING TEST (IN SAFE AREA)

- (a) Fasten the front seat belts.
- (b) Drive the car at 10 mph (16 km/h) and make a very hard stop.
Check that the belt locks and cannot be extended at this time.



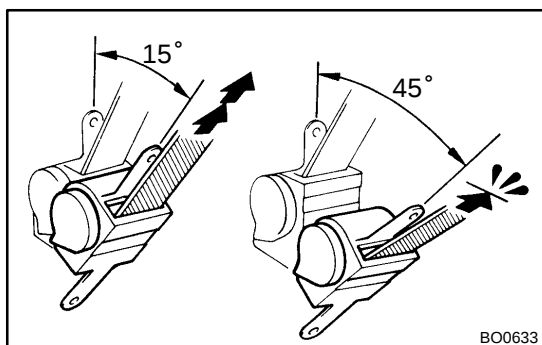
HINT:

Conduct this test in a safe area. If the belt does not lock, remove the belt mechanism assembly and conduct the following static check. Also, whenever installing a new belt assembly, verify the proper operation before installation.

2. Driver's seat belt (ELR):

STATIC TEST

- (a) Make sure that the belt locks when pulled out quickly.
- (b) Remove the locking retractor assembly.
- (c) Tilt the retractor slowly.



- (d) Make sure that the belt can be pulled out at a tilt of 15 degrees or less, and cannot be pulled out at over 45 degrees of tilt.

If a problem is found, replace the assembly.

3. Except driver's seat belt (ALR/ELR):

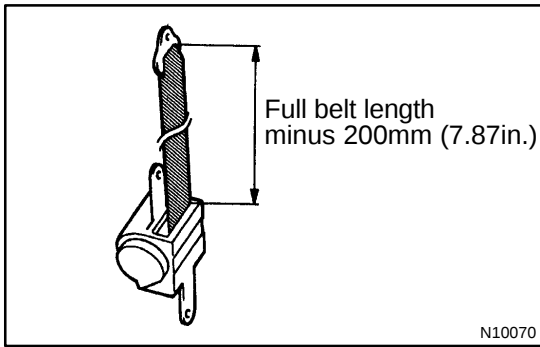
STATIC TEST

- (a) Make sure that the belt locks when pulled out quickly.
- (b) Remove the locking retractor assembly.
- (c) Pull out the whole belt and measure the length of the whole belt.

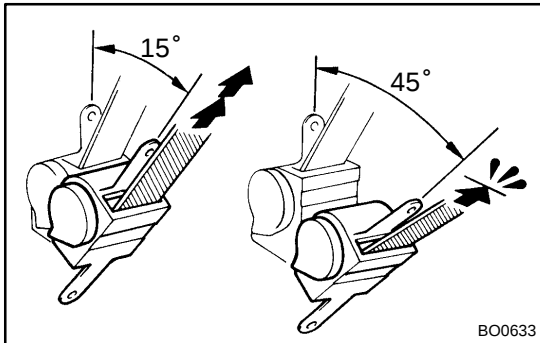
Then retract the belt slightly and pull it out again.

- (d) Make sure that the belt cannot be extended further.

If a problem is found, replace the assembly.

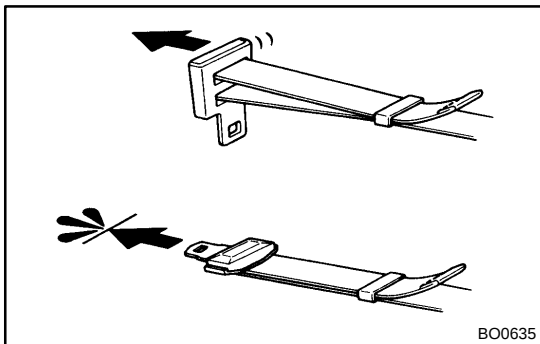


- (e) Retract the whole belt, then pull out the belt until 200 mm (7.87 in.) of belt remains retracted.
- (f) Tilt the retractor slowly.



- (g) Make sure that the belt can be pulled out at a tilt of 15 degrees or less, and cannot be pulled out at over 45 degrees of tilt.

If a problem is found, replace the assembly.



4. Manual type seat belt:

TEST

- (a) Adjust the belt to the proper length.
- (b) Apply a firm load to the belt.
- (c) Make sure that the belt does not extend.

SEAT BELT PRETENSIONER REMOVAL

B021P-02

NOTICE:

- If the wiring connector of the seat belt pretensioner is disconnected with the ignition switch at ON or ACC, diagnostic trouble codes will be recorded.
- Never use seat belt pretensioner from another vehicle. When replacing parts, replace them with new parts.

1. REMOVE FRONT DOOR SCUFF PLATE

Remove the 4 screws and front door scuff plate.

2. REMOVE REAR DOOR SCUFF PLATE

Remove the 2 screws and rear door scuff plate.

3. REMOVE CENTER PILLAR LOWER GARNISH

4. REMOVE FRONT SEAT OUTER BELT

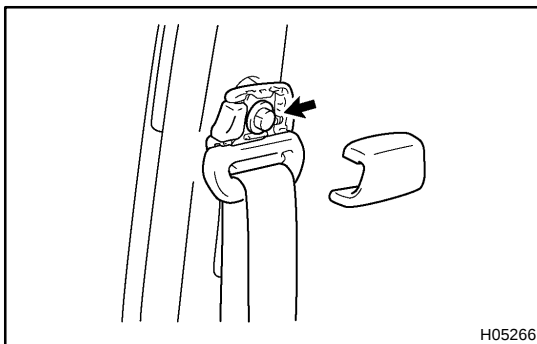
CAUTION:

Never disassemble the front seat outer belt.

NOTICE:

When removing the front seat outer belt, take care not to pull the seat belt pretensioner wire harness.

- (a) Remove the bolt and front seat outer belt floor anchor.

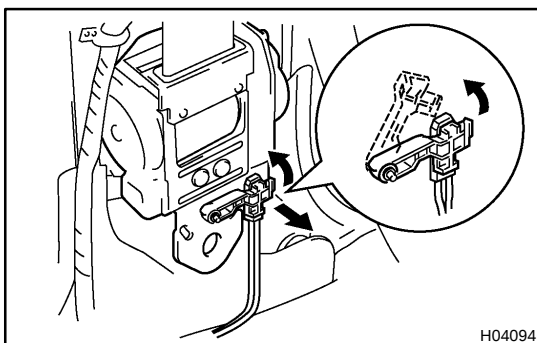


- (b) Using a screwdriver, remove the anchor cover.

HINT:

Tape the screwdriver tip before use.

- (c) Remove the bolt and front seat outer belt shoulder anchor.

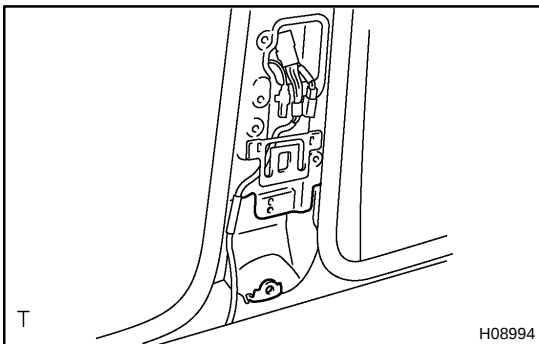
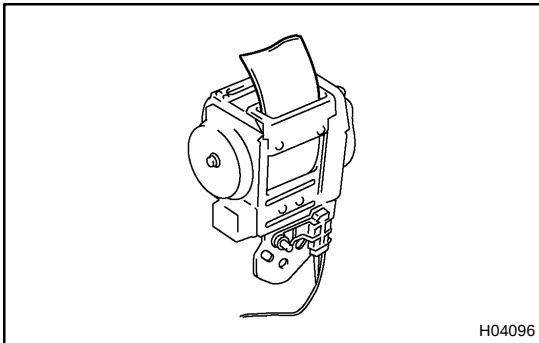
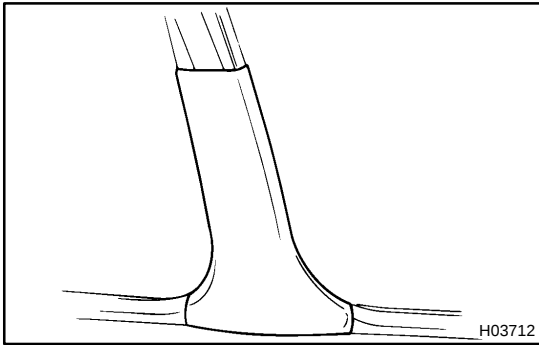


- (d) Disconnect the pretensioner connector as shown in the illustration.

CAUTION:

When removing the seat belt pretensioner, work must be started 90 seconds after the ignition switch is turned to the "LOCK" position and the negative (-) terminal cable is disconnected from the battery.

- (e) Remove the 2 bolts and front seat outer belt.



INSPECTION

1. PRETENSIONER IS NOT ACTIVATED

- (a) Perform a diagnostic system check
(See page [DI-377](#)).
- (b) Perform a visual check which includes the following items with the front seat outer belt removed from the vehicle.
 - Check for cuts and cracks in, or marked discoloration of the center pillar lower garnish.
 - Check for cuts and cracks in wire harness, and for chipping in connectors.
 - Check for deformation of the center pillar.

CAUTION:

For removal and installation of the front seat outer belt, see page [BO-121](#) and [BO-129](#) .

Be sure to follow the correct procedure.

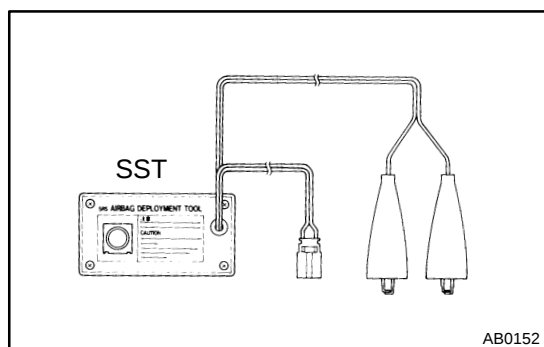
2. PRETENSIONER IS ACTIVATED

- (a) Perform a diagnostic system check
(See page [DI-377](#)).
- (b) Perform a visual check which includes the following items with the front seat outer belt removed from the vehicle.
 - Check for deformation of the center pillar.
 - Check for damage to the connector and wire harness.

DISPOSAL

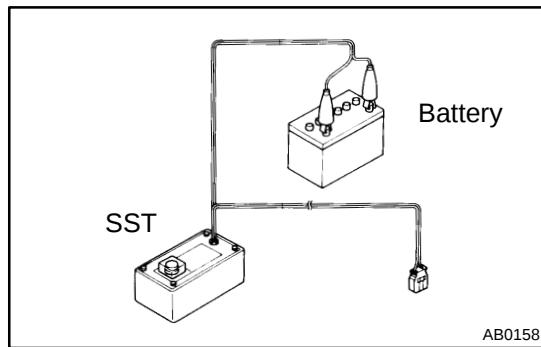
HINT:

When scrapping vehicle equipped with a SRS or disposing of a front seat outer belt (with seat belt pretensioner), always first deploy the airbag in accordance with the procedure given in RS section or activate the seat belt pretensioner. If any abnormality occurs with the airbag deployment or seat belt pretensioner activation, contact the SERVICE DEP. of the TOYOTA MOTOR SALES, U.S.A. INC. When disposing of a front seat outer belt (with seat belt pretensioner) activated in a collision, follow the same procedure given in step 1-(e) in "DISPOSAL".



CAUTION:

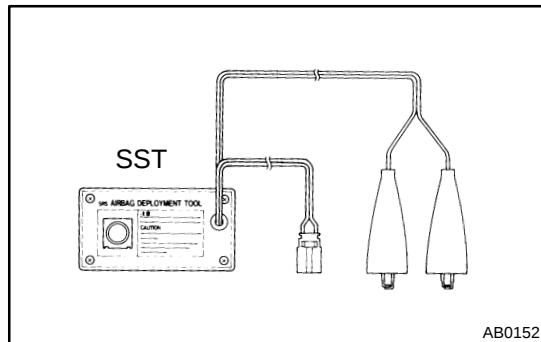
- Never dispose of front seat outer belt which has inactivated pretensioner.
- The seat belt pretensioner produces a sizeable exploding sound when it activates, so perform the operation out-of-door and where it will not create a nuisance to nearby residents.
- When activating the seat belt pretensioner, always use the specified SST. (SRS Airbag Deployment Tool) Perform the operation in a place away from electrical noise.
SST 09082-00700, 09082-00740
- When activating a front seat outer belt (with seat belt pretensioner), perform the operation at least 10 m (33 ft) away from the front seat outer belt.
- Use gloves and safety glasses when handling a front seat outer belt with the activated pretensioner.
- Always wash your hands with water after completing the operation.
- Do not apply water, etc. to a front seat outer belt with the activated pretensioner.



1. SEAT BELT PRETENSIONER ACTIVATION WHEN SCRAPPING VEHICLE

HINT:

Have a battery ready as the power source to activate the seat belt pretensioner.

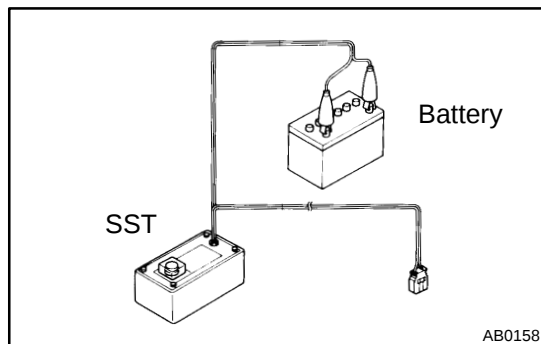


(a) Check functioning of SST.

CAUTION:

When activate the seat belt pretensioner, always use the specified SST: SRS Airbag Deployment Tool.

SST 09082-00700, 09082-00740

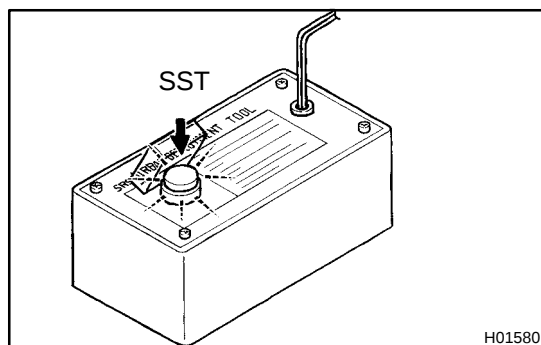


(1) Connect the SST to battery.

Connect the red clip of the SST to the battery positive (+) terminal and the black clip to the battery negative (-) terminal.

HINT:

Do not connect the yellow connector which will be connected with the seat belt pretensioner.



(2) Check functioning of SST.

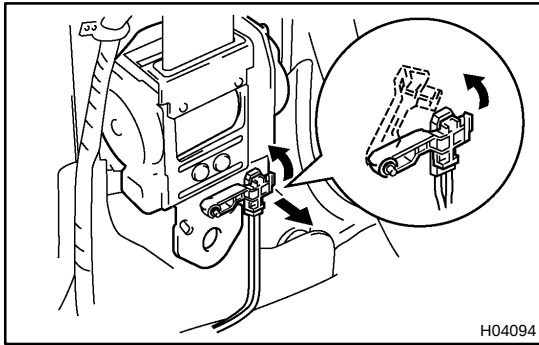
Press the SST activation switch, and check the LED of the SST activation switch lights up.

CAUTION:

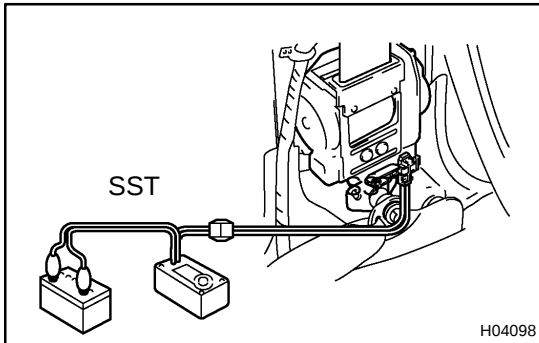
If the LED lights up when the activation switch is not being pressed, SST malfunction is probable, so definitely do not use the SST.

(b) Disconnect the pretensioner connector.

- (1) Remove the front door scuff plate.
- (2) Remove the rear door scuff plate.
- (3) Remove the center pillar lower garnish.



- (4) Disconnect the pretensioner connector as shown in the illustration.
- (c) Install the SST.
- (1) Buckle the front seat belt and check that there is no looseness and slack in the front seat inner belt and front seat outer belt.

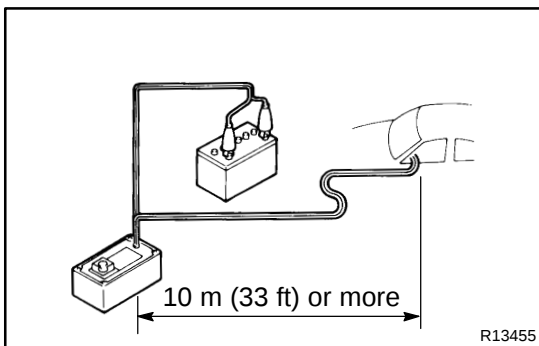


- (2) Connect the 2 SST each other, then connect them to the seat belt pretensioner.

SST 09082-00700, 09082-00740

NOTICE:

To avoid damaging the SST connector and wire harness, do not lock secondary lock of the twin lock.



- (3) Move the SST to at least 10mm (33 ft) from the front of the vehicle.
- (4) Close all the doors and windows of the vehicle.

NOTICE:

Take care not to damage the SST wire harness.

- (5) Connect the SST red clip to the battery positive (-) terminal and the black clip to the negative (+) terminal.
- (d) Activate the seat belt pretensioner.
- (1) Confirm that no one is inside the vehicle or within 10 m (33 ft) area around the vehicle.
- (2) Press the SST activation switch and activate the seat belt pretensioner.

HINT:

The seat belt pretensioner operates simultaneously as the LED of the SST activation switch lights up.

- (e) Dispose of the front seat outer belt (with seat belt pretensioner).

CAUTION:

- The front seat outer belt is very hot when the seat belt pretensioner is activated, so leave it alone for at least 30 minutes after activation.
- Use gloves and safety glasses when handling a front seat outer belt with the activated seat belt pretensioner.
- Always wash your hands with water after completing the operation.
- Do not apply water, etc. to a front seat outer belt with the activated seat belt pretensioner.

HINT:

When scrapping a vehicle, activate the seat belt pretensioner and scrap the vehicle with the activated front seat outer belt still installed.

2. ACTIVATION WHEN DISPOSING OF FRONT SEAT OUTER BELT ONLY

NOTICE:

- When disposing of the front seat outer belt (with seat belt pretensioner) only, never use the customer's vehicle to activate the seat belt pretensioner.
- Be sure to follow the procedure given below when activating the seat belt pretensioner.

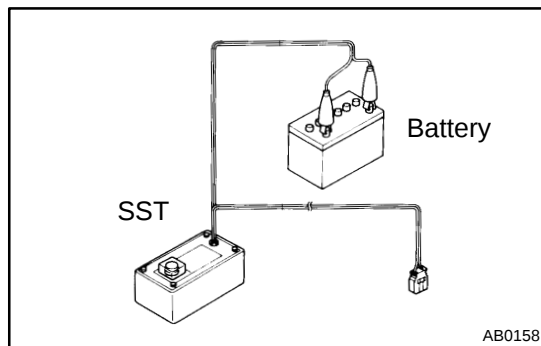
HINT:

Have a battery ready as the power source to activate the seat belt pretensioner.

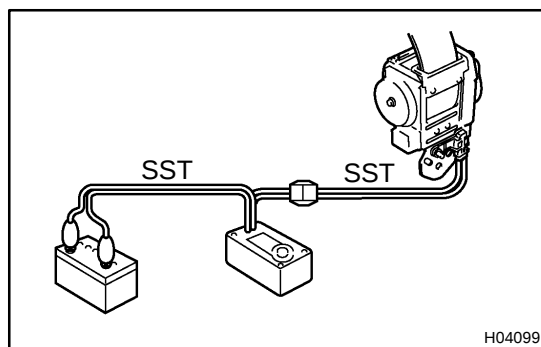
(a) Remove the front seat outer belt (See page [BO-121](#)).

HINT:

Cut the belt near the seat belt retractor.



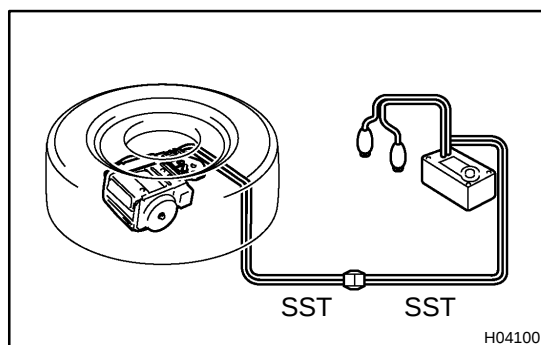
(b) Check functioning of SST (See step 1-(a)).
SST 09082-00700, 09082-00740



(c) Install the SST.
(1) Connect the 2 SST each other, then connect them to the seat belt pretensioner.
SST 09082-00700, 09082-00740

NOTICE:

To avoid damaging the SST connector and wire harness, do not lock the secondary lock of the twin lock.



(2) Locate the front seat outer belt on the ground and cover it with the disc wheel with tire.

NOTICE:

Place the front seat outer belt shown in the illustration.

(3) Move the SST to at least 10 m (33 ft) from the disc wheel.

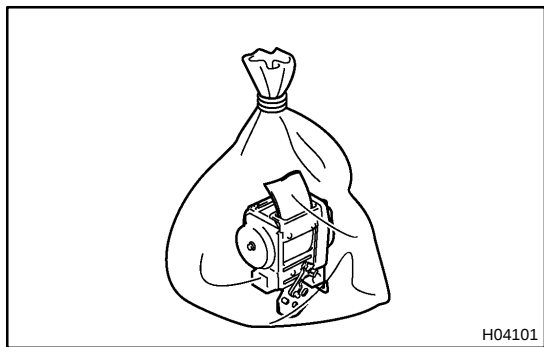
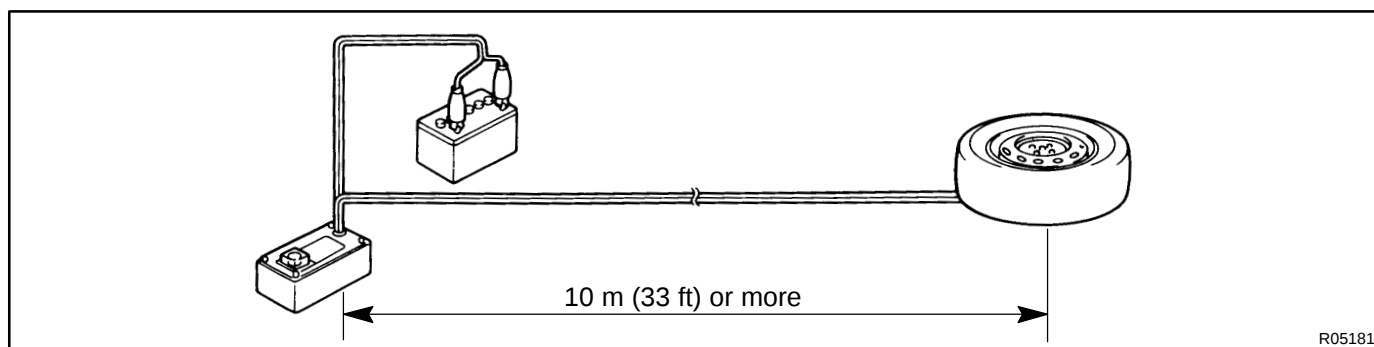
NOTICE:

Take care not to damage the SST wire harness.

- (d) Activate the seat belt pretensioner.
- (1) Connect the SST red clip to the battery positive (+) terminal and black clip to the battery negative (-) terminal.
 - (2) Check that no one is within 10 m (33 ft) area around the disc wheel.
 - (3) Press the SST activation switch and activate the seat belt pretensioner.

HINT:

The seat belt pretensioner operates simultaneously as the LED of the SST activation switch lights up.



- (e) Dispose of the front seat outer belt (with seat belt pretensioner).

CAUTION:

- The front seat outer belt is very hot when the seat belt pretensioner is activated, so leave it alone for at least 30 minutes after activation.
 - Use gloves and safety glasses when handling a front seat outer belt with the activated seat belt pretensioner.
 - Always wash your hands with water after completing the operation.
 - Do not apply water, etc. to a front seat outer belt with the activated seat belt pretensioner.
- (1) Remove the disc wheel and SST.
 - (2) Place the front seat outer belt in a vinyl bag, tie the end tightly and dispose of it in the same way as other general parts.

REPLACEMENT

REPLACE REQUIREMENTS

In the following cases, replace the seat belt pretensioner.

- If the seat belt pretensioner has been activated.
- If the seat belt pretensioner has been found to be faulty in troubleshooting.
- If the front seat outer belt has been found to be faulty during checking items 1-(b) or 2-(b)
- If the front seat outer belt has been dropped.

CAUTION:

For removal and installation of the seat belt pretensioner, see page [BO-121](#) and [BO-129](#) .

Be sure to follow the correct procedure.

INSTALLATION

NOTICE:

- Never use seat belt pretensioner from another vehicle. When replacing parts, replace them with new parts.
- Make sure that the front seat outer belt is installed to the specified torque.
- If the front seat outer belt has been dropped, or there are cracks, dents or other defects in the case or connector, replace the front seat outer belt with a new one.
- When installing the front seat outer belt, take care that the wiring does not interfere with other parts and is not pinched between other parts.

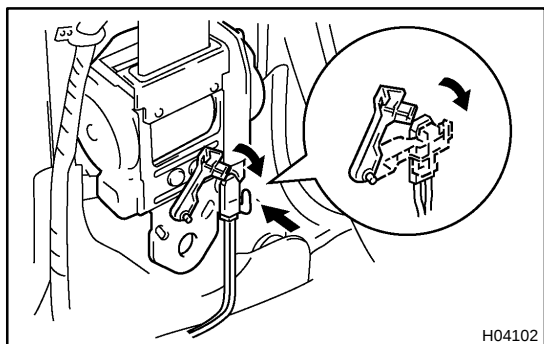
1. INSTALL FRONT SEAT OUTER BELT

- (a) Install the retractor of front seat outer belt with the 2 bolts.

Torque:

Upper bolt: 8.5 N·m (85 kgf·cm, 74 in·lbf)

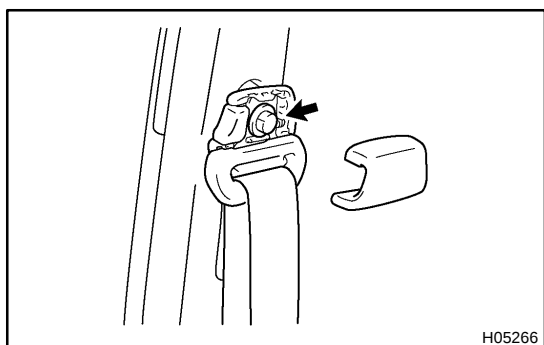
Lower bolt: 42 N·m (430 kgf·cm, 31 ft·lbf)



- (b) Connect the pretensioner connector as shown in the illustration.

- (c) Install the front seat outer belt shoulder anchor with the bolt.

Torque: 42 N·m (430 kgf·cm, 31 ft·lbf)



- (d) Install the anchor cover.

- (e) Install the front seat outer belt floor anchor with the bolt.

Torque: 42 N·m (430 kgf·cm, 31 ft·lbf)

2. INSTALL CENTER PILLAR LOWER GARNISH

3. INSTALL REAR DOOR SCUFF PLATE

Install the rear door scuff plate with the 2 screws.

4. INSTALL FRONT DOOR SCUFF PLATE

Install the front door scuff plate with the 4 screws.