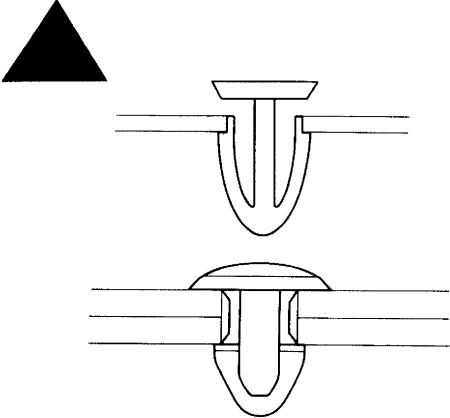
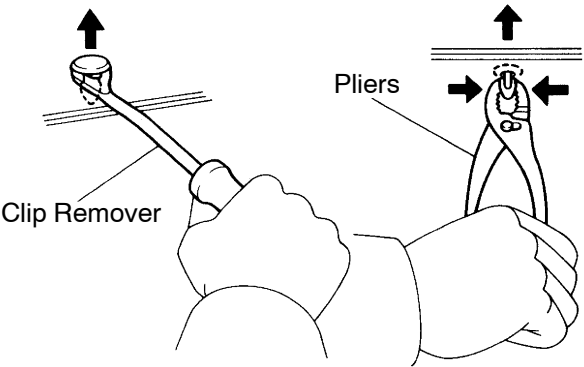
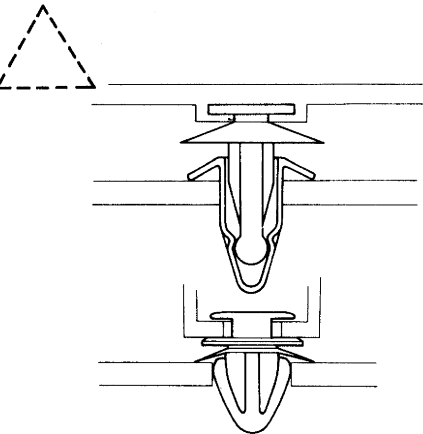
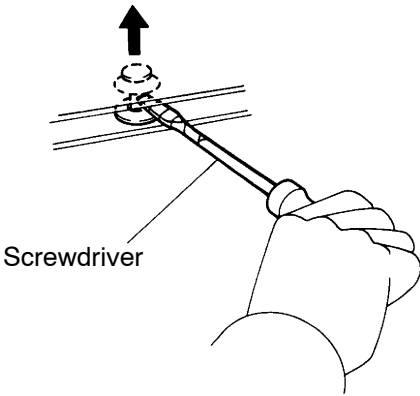
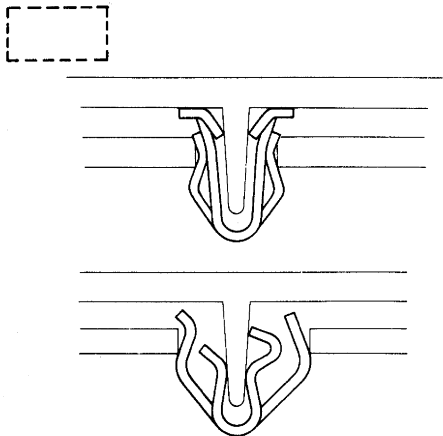
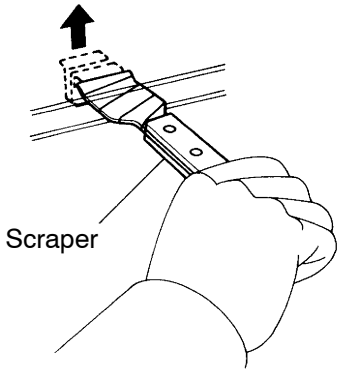


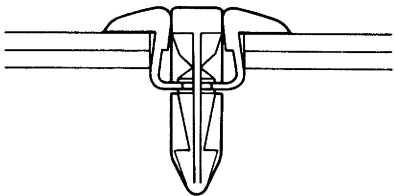
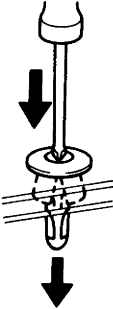
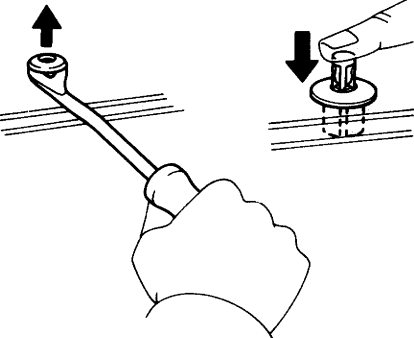
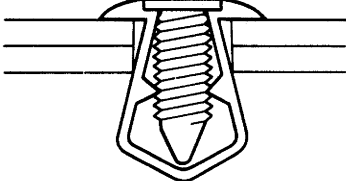
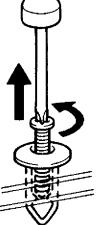
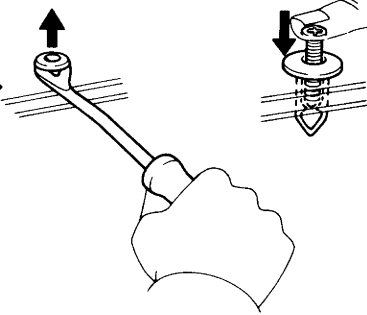
CLIP
REPLACEMENT

BOOVU-06

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 
	Removal  Installation 

V00012

SRS AIRBAG

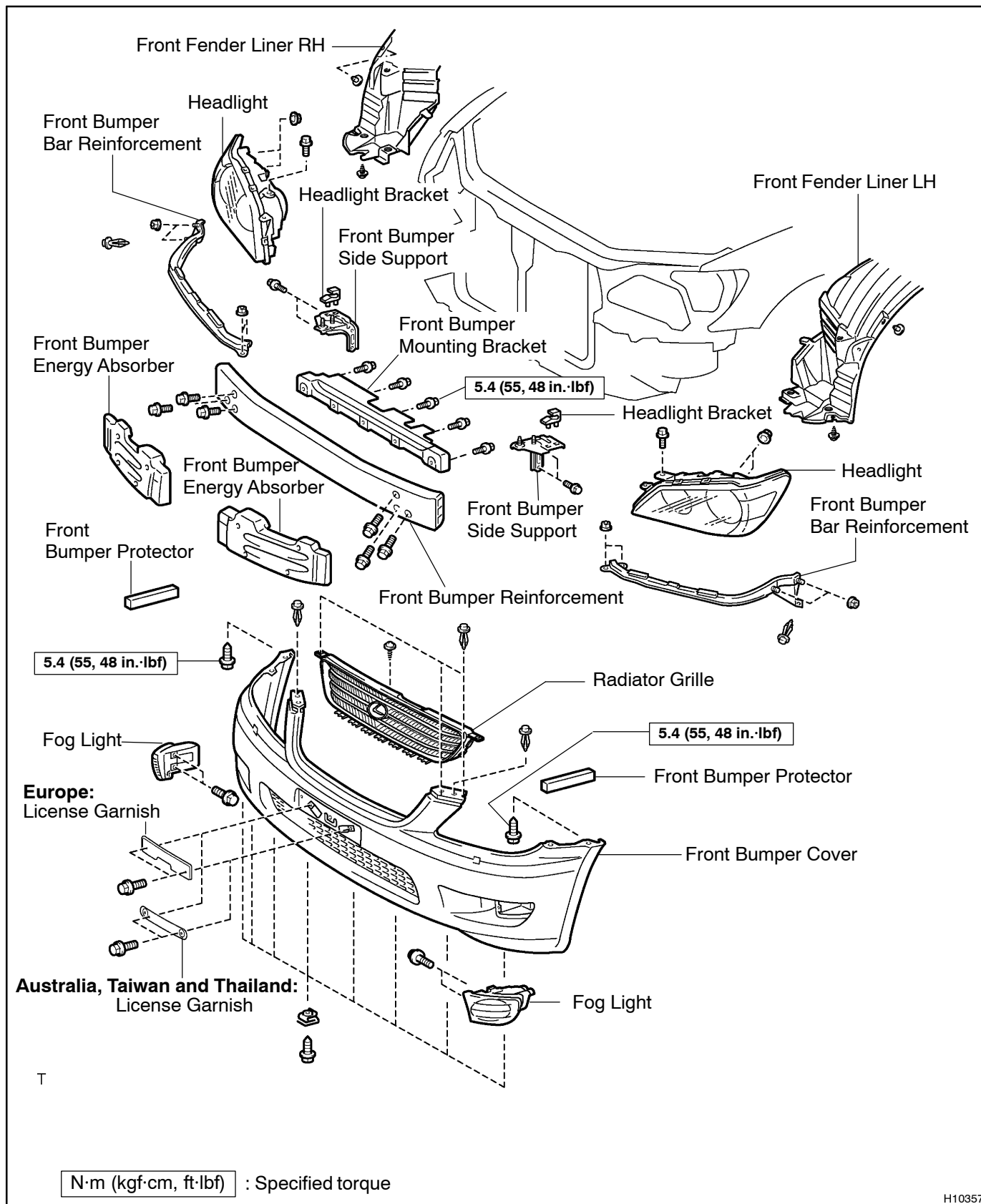
PRECAUTION

B00VV-06

The LEXUS IS200 is equipped with an SRS (Supplemental Restraint System) such as the driver airbag, front passenger airbag and side 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.

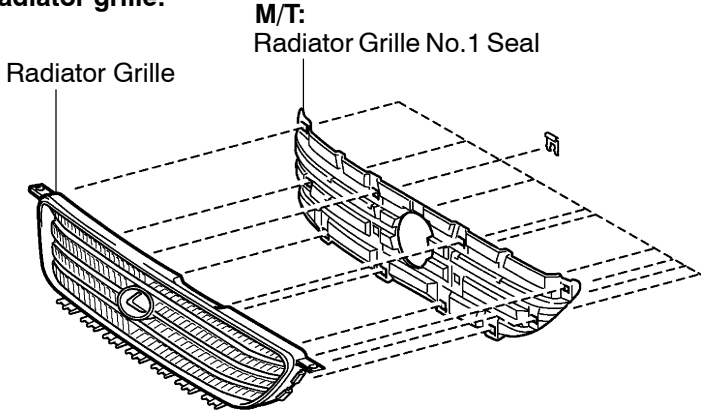
FRONT BUMPER COMPONENTS

B02DK-01

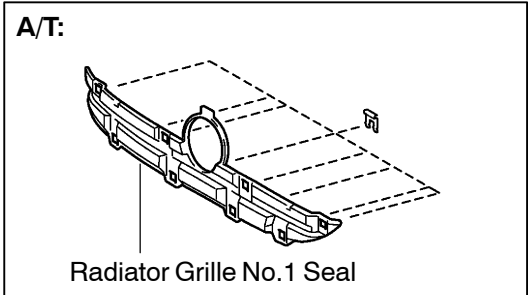


H10357

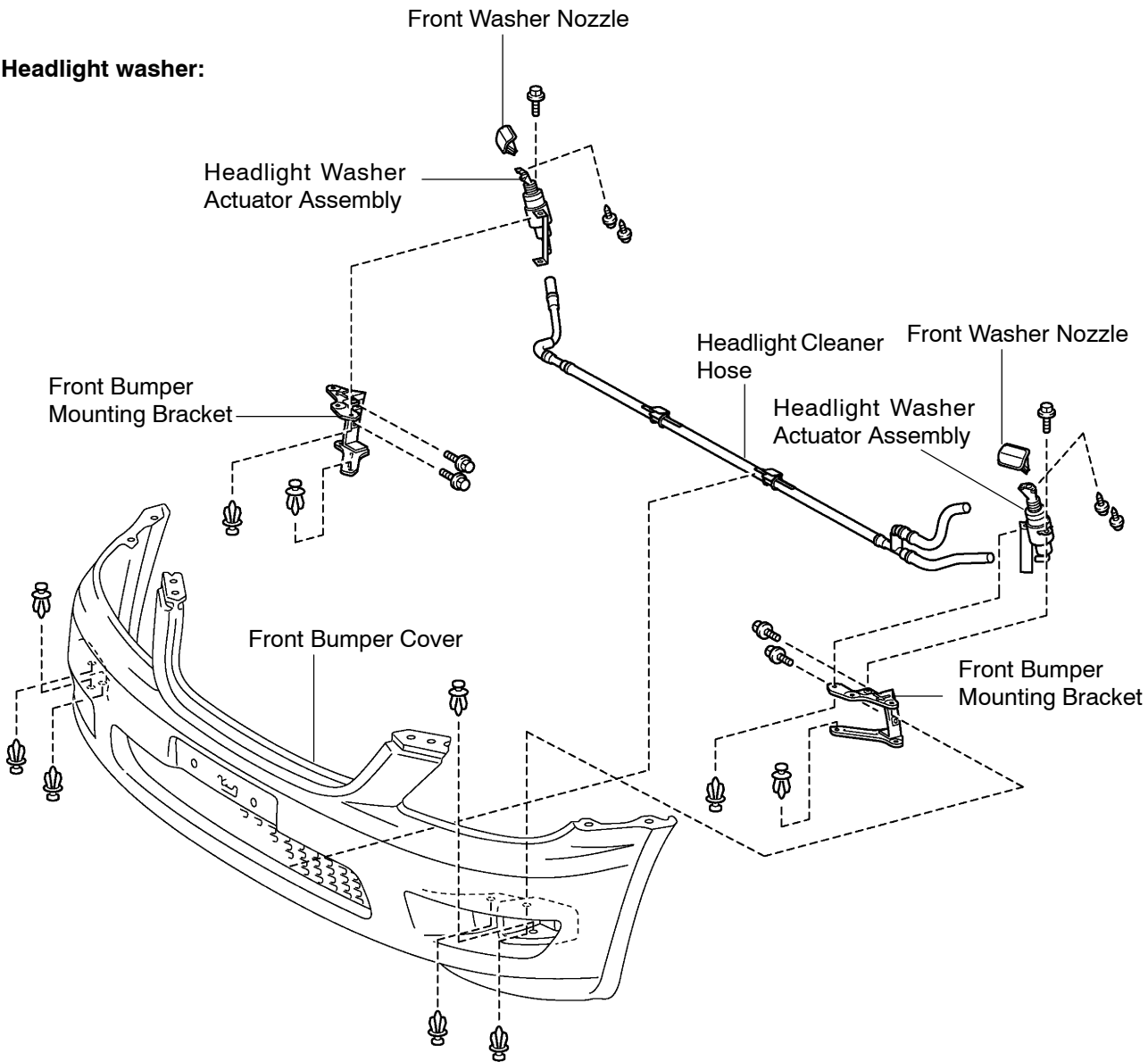
Radiator grille:



A/T:



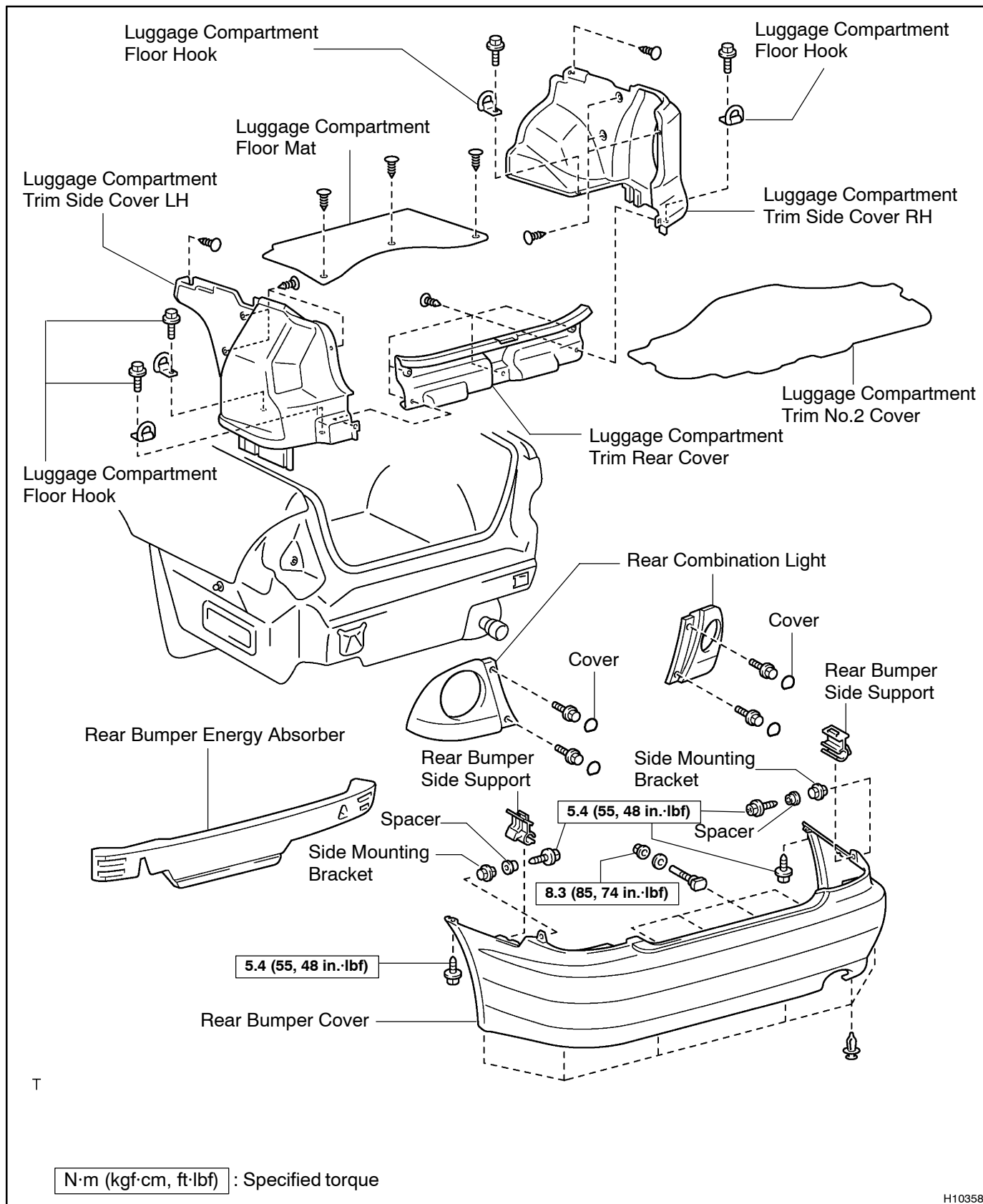
w/ Headlight washer:



T

REAR BUMPER COMPONENTS

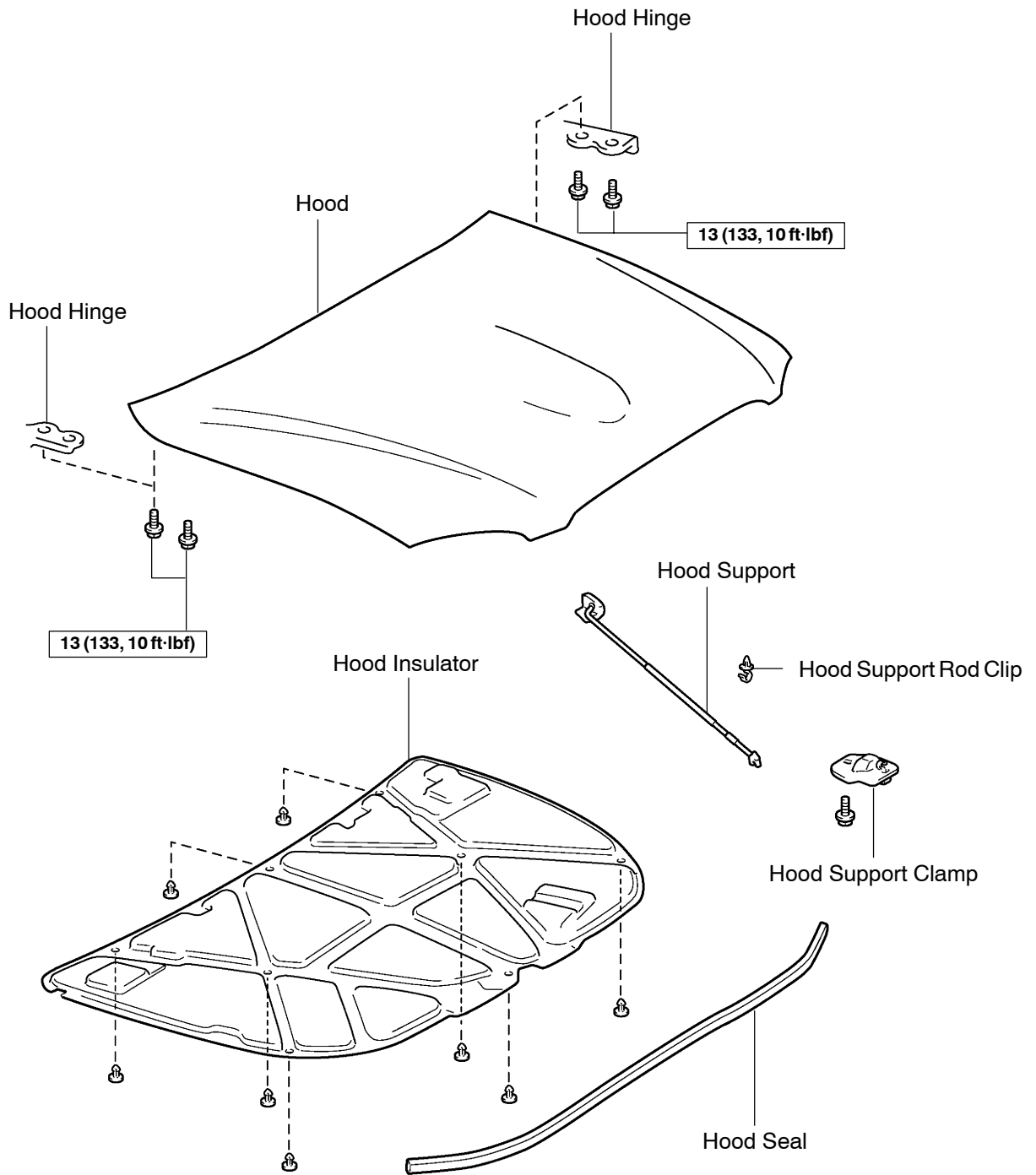
B02C1-01



H10358

HOOD COMPONENTS

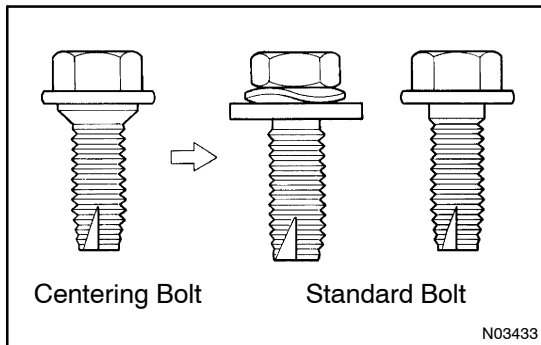
B00VZ-05



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

T

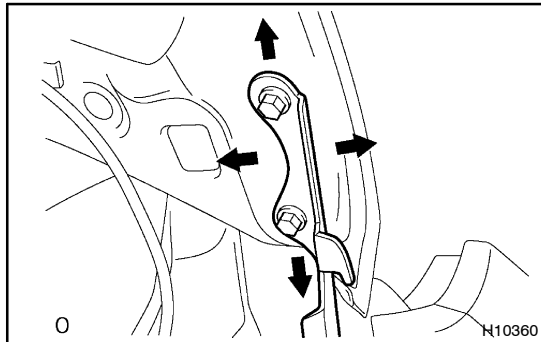
H10945



ADJUSTMENT

HINT:

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



1. ADJUST HOOD IN FORWARD/REARWARD

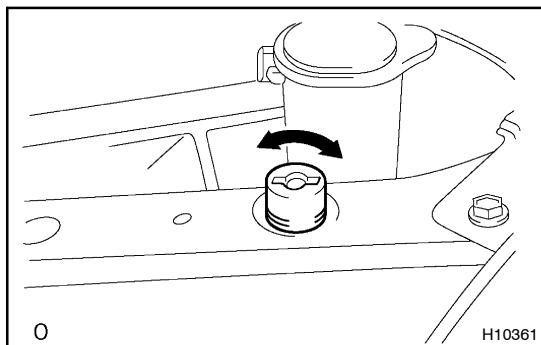
Adjust the hood by loosening the hood side hinge bolts.

Torque: 13 N·m (133 kgf·cm, 10 ft·lbf)

2. ADJUST HOOD IN VERTICAL DIRECTIONS

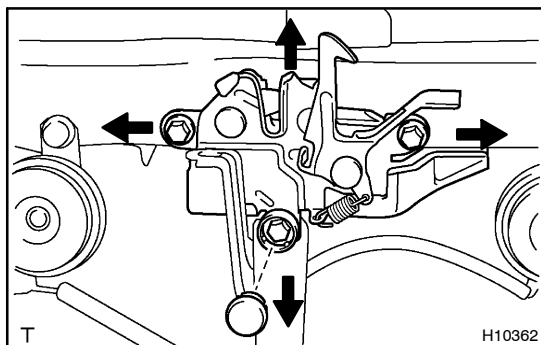
- (a) Remove the bolts and increase or decrease the number of washers between the hinge and hood.
- (b) Install the bolts again.

Torque: 13 N·m (133 kgf·cm, 10 ft·lbf)



3. ADJUST FRONT EDGE OF HOOD IN VERTICAL DIRECTION

Adjust the hood by turning the cushions.



4. ADJUST HOOD LOCK

- (a) Remove the screw, 2 clips and radiator grille.
- (b) Using a screwdriver, remove the hood lock bolt cap.

HINT:

Tape the screwdriver tip before use.

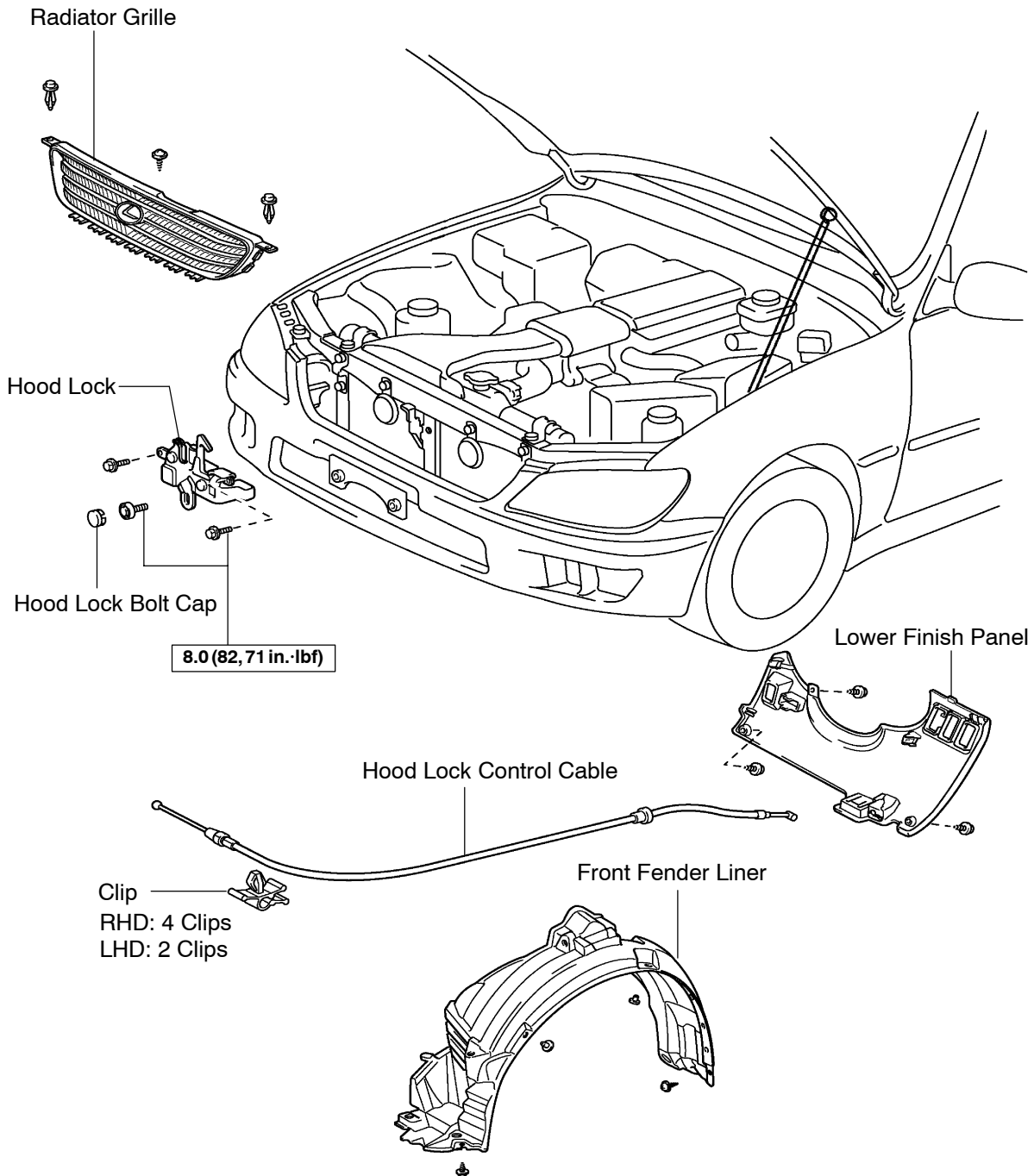
- (c) Adjust the hood lock by loosening the bolts.

Torque: 8.0 N·m (82 kgf·cm, 71 in·lbf)

HOOD LOCK CONTROL COMPONENTS

B00VW-04

LHD:



T

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

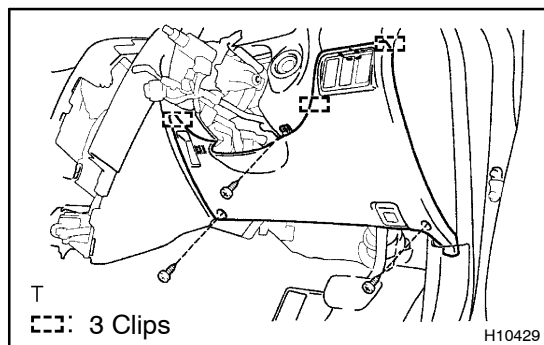
H10470

REMOVAL

1. REMOVE FRONT FENDER LINER

HINT:

For LHD vehicle, remove the front fender liner on the LH side, for RHD vehicle, remove the front fender liner on the RH side respectively.

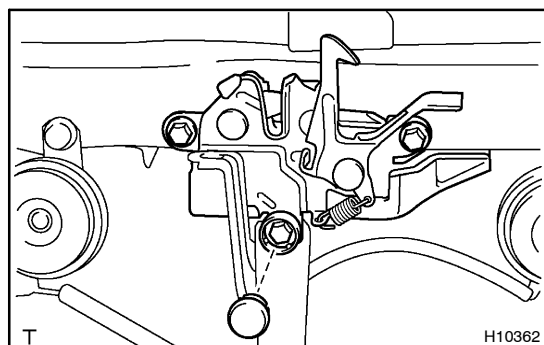


2. REMOVE LOWER FINISH PANEL

- Remove the 3 screws and lower finish panel.
- Disconnect the connectors and hood lock control cable.

3. REMOVE RADIATOR GRILLE

Remove the screw, 2 clips and radiator grille.



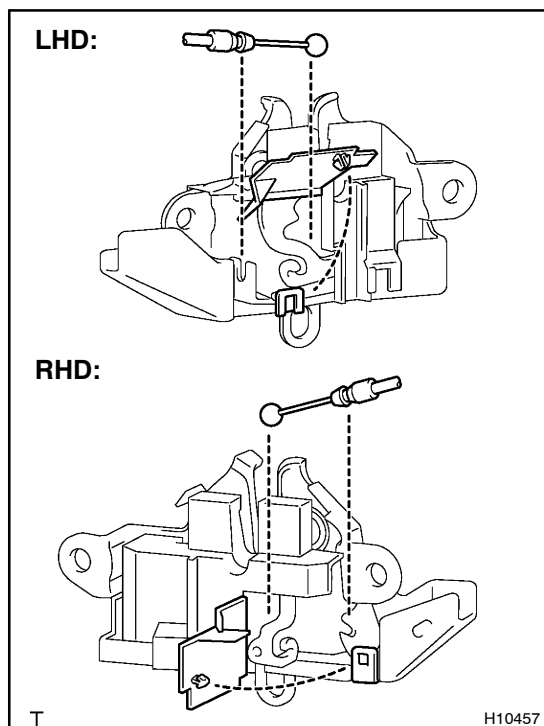
4. REMOVE HOOD LOCK

- Using a screwdriver, remove the hood lock bolt cap.

HINT:

Tape the screwdriver tip before use.

- Remove the 3 bolts and hood lock.



- Using a screwdriver, open the cover, then disconnect the hood lock control cable.

HINT:

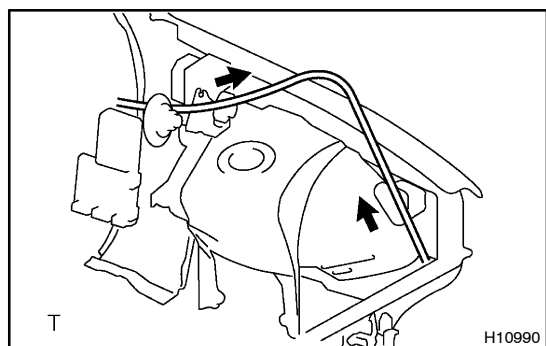
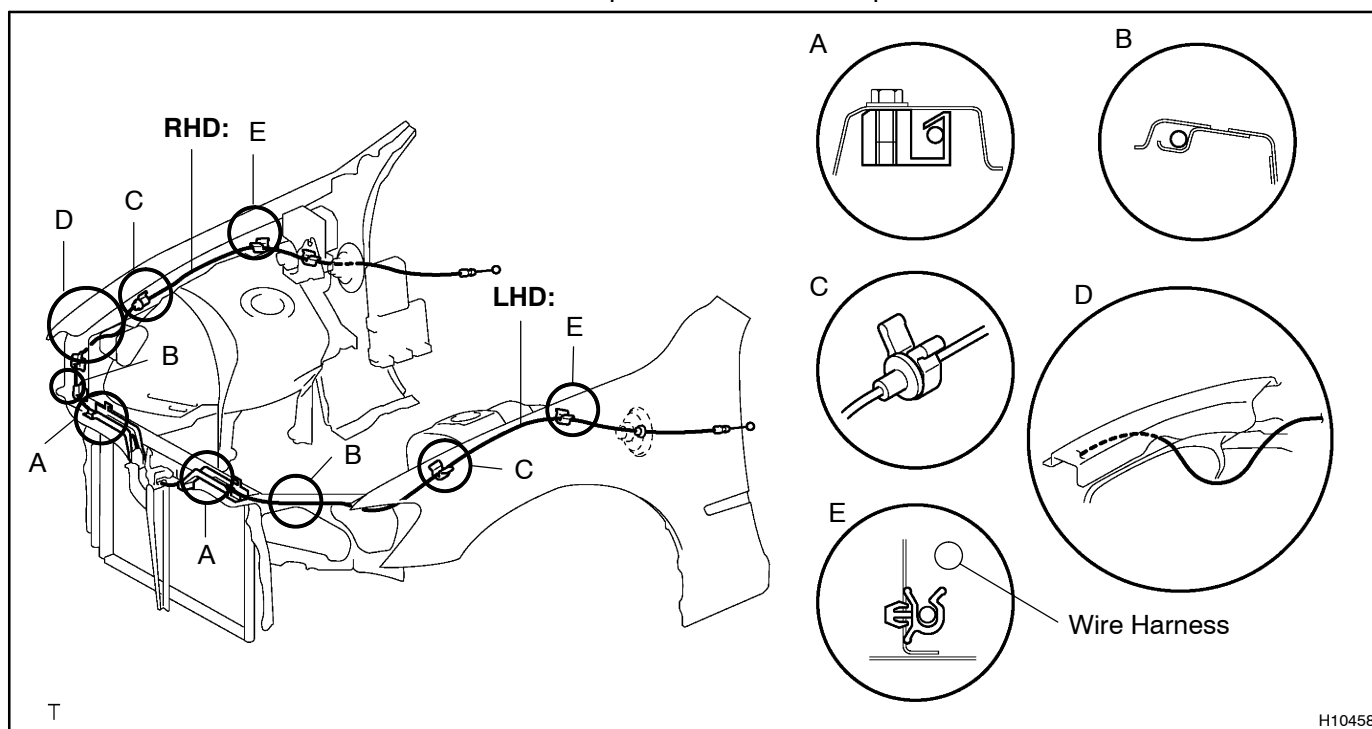
Tape the screwdriver tip before use.

5. REMOVE HOOD LOCK CONTROL CABLE

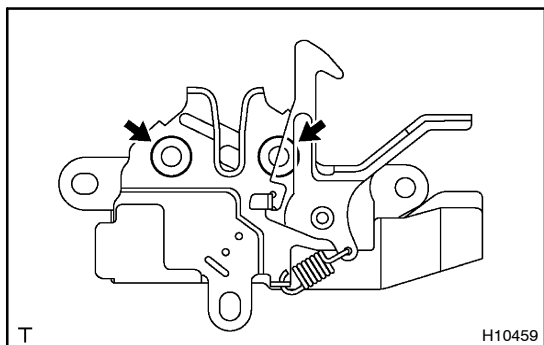
- (a) Using a screwdriver, disconnect the cable from the clamps.

HINT:

Tape the screwdriver tip before use.



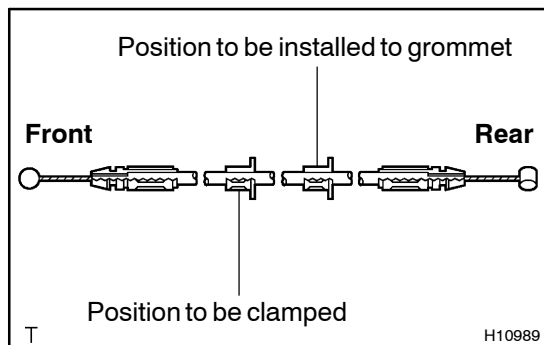
- (b) Pull the cable from the engine room to remove it.



INSTALLATION

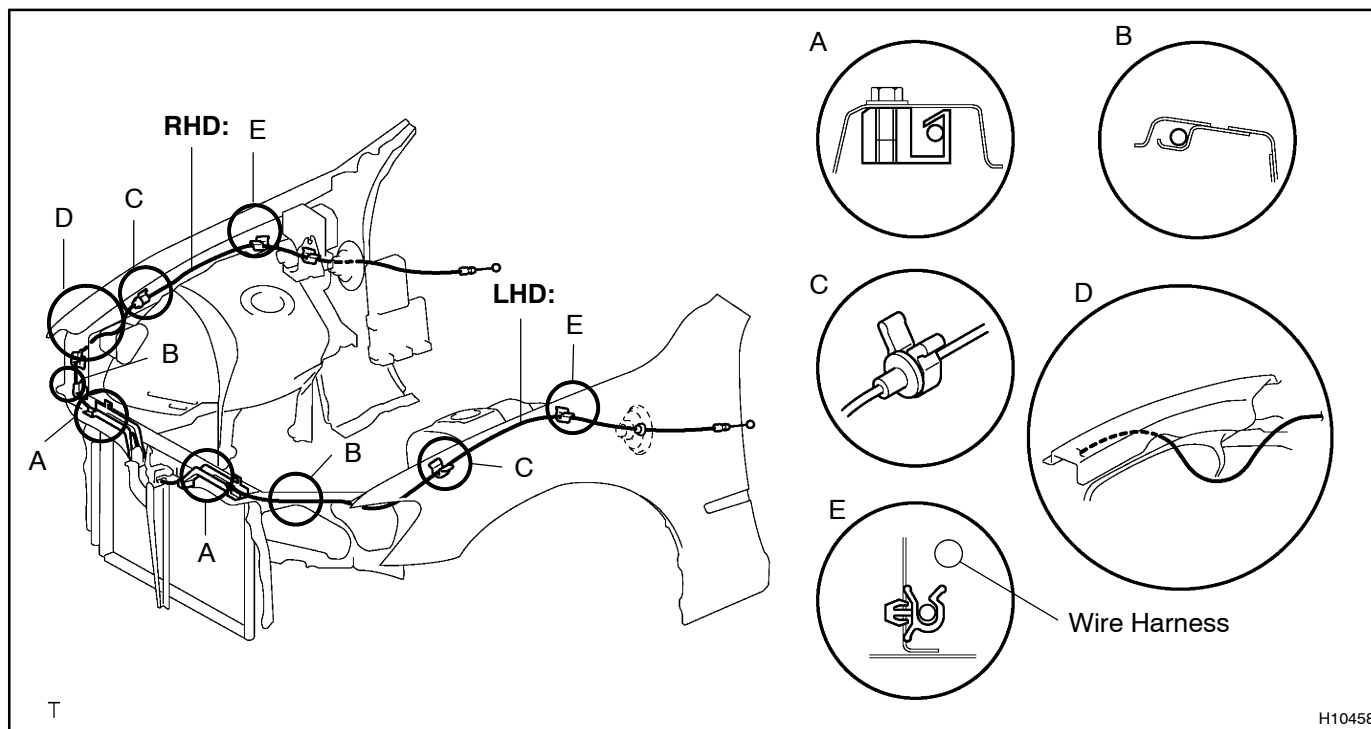
1. BEFORE INSTALLING PARTS, COAT LOCK WITH MP GREASE

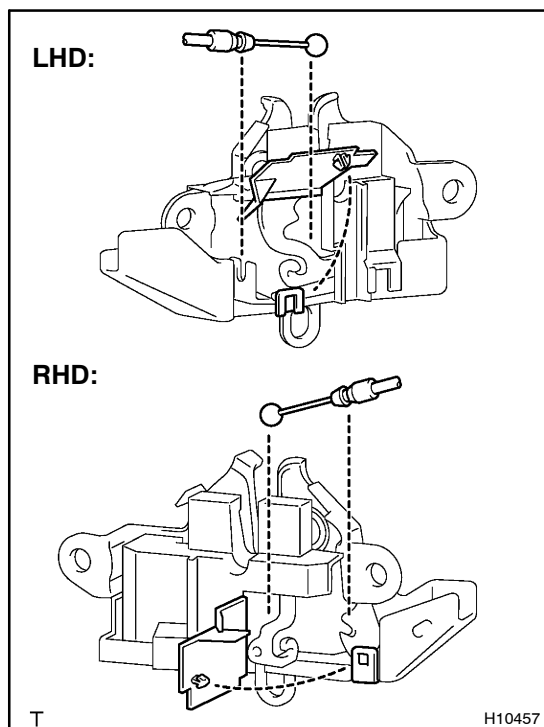
Apply MP grease to the sliding surface of the lock.



2. INSTALL HOOD LOCK CONTROL CABLE

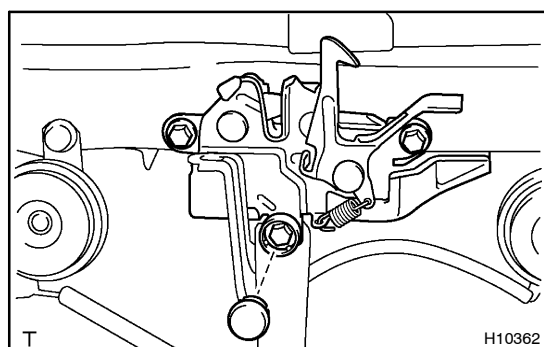
- Push the rear side cable through the grommet.
- Push the cable stopper to the grommet.
- Pass the front side cable through the upper radiator support.
- Install the cable with clamps.
- Push the cable stopper to the clamp.





3. INSTALL HOOD LOCK

- (a) Connect the hood lock control cable to the hood lock, then close the cover.



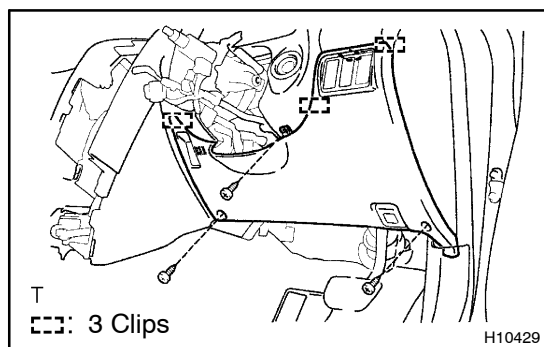
- (b) Install the hood lock with the 3 bolts.

Torque: 8.0 N·m (82 kgf·cm, 71 in·lbf)

- (c) Install the hood lock bolt cap.

4. INSTALL RADIATOR GRILLE

Install the radiator grille with the screw and 2 clips.



5. INSTALL LOWER FINISH PANEL

- (a) Connect the connectors and hood lock control cable to the lower finish panel.
- (b) Install the lower finish panel with the 3 screws.

6. CHECK HOOD LOCK CONTROL FOR PROPER OPERATION

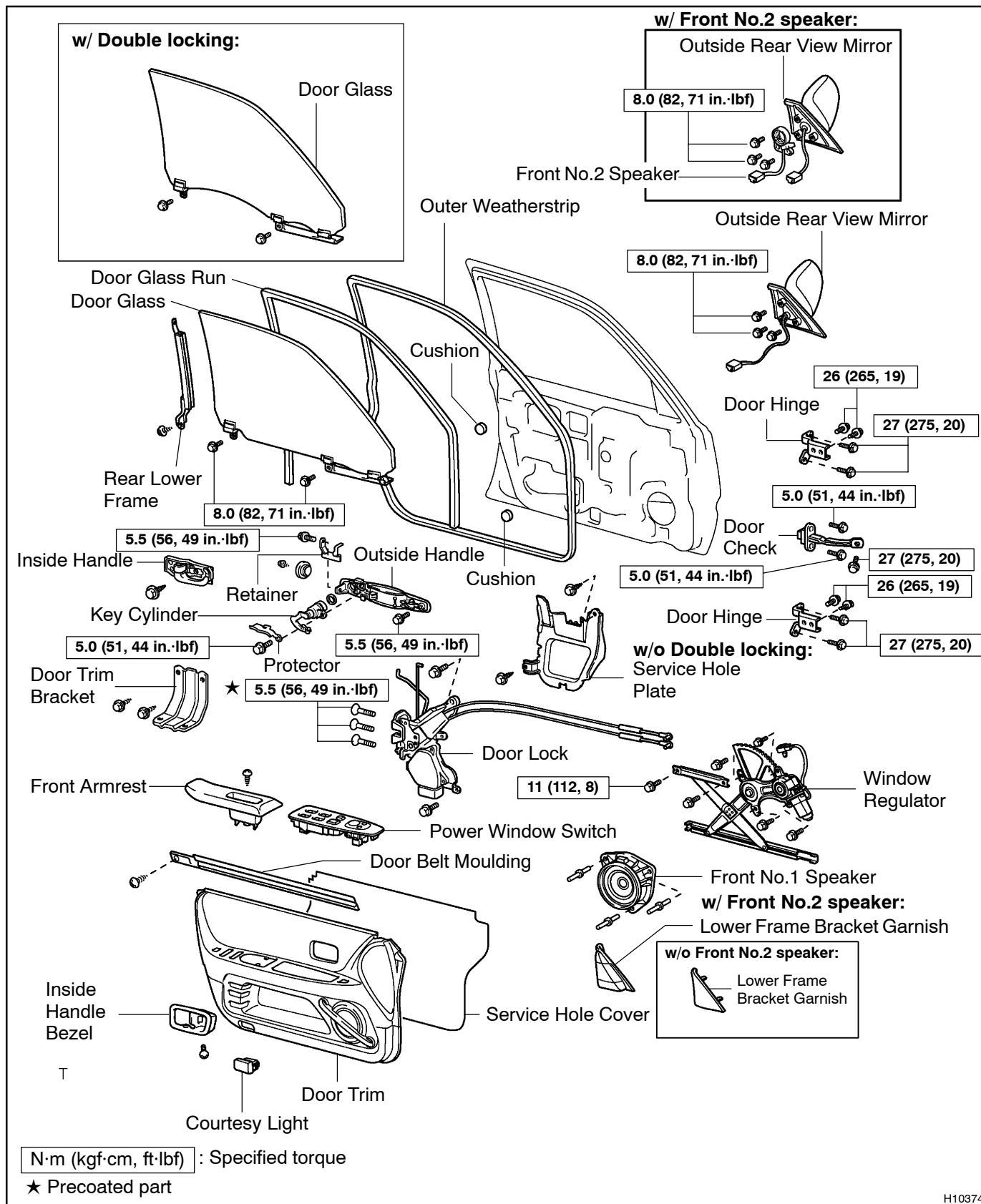
After checking for proper operation, tighten the 3 bolts to install the lock.

Torque: 8.0 N·m (82 kgf·cm, 71 in·lbf)

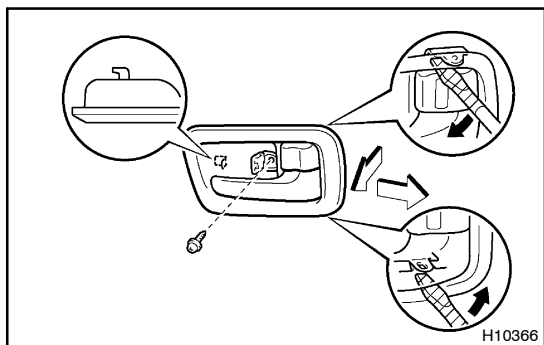
7. INSTALL FRONT FENDER LINER

FRONT DOOR COMPONENTS

B02C3-01



H10374



DISASSEMBLY

1. REMOVE INSIDE HANDLE BEZEL

- (a) Using a screwdriver, open the screw cap.

HINT:

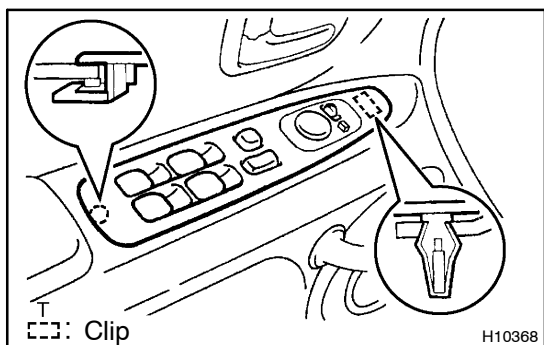
Tape the screwdriver tip before use.

- (b) Remove the screw.

- (c) Using a screwdriver, remove the inside handle bezel as shown in the illustration.

HINT:

Tape the screwdriver tip before use.



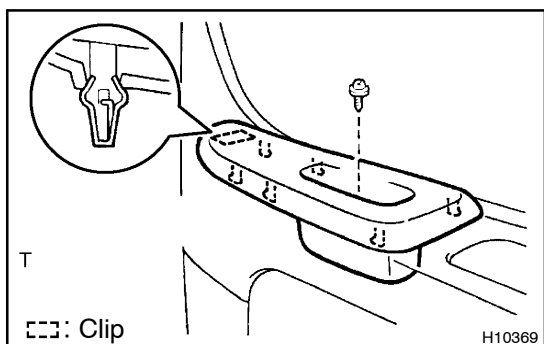
2. REMOVE POWER WINDOW SWITCH

- (a) Using a screwdriver, remove the power window switch.

HINT:

Tape the screwdriver tip before use.

- (b) Disconnect the connectors.



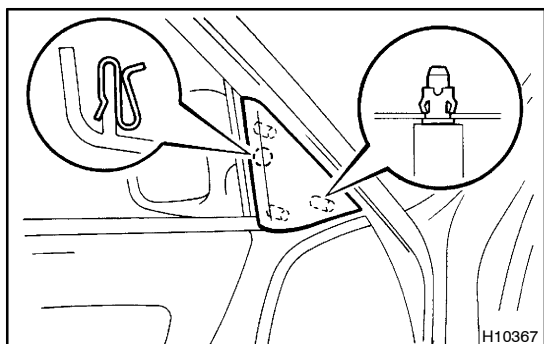
3. REMOVE FRONT ARMREST

- (a) Remove the screw.

- (b) Using a screwdriver, remove the front armrest as shown in the illustration.

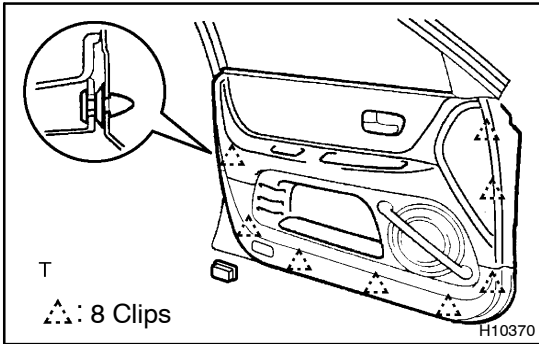
HINT:

Tape the screwdriver tip before use.



4. REMOVE LOWER FRAME BRACKET GARNISH

Remove the lower frame bracket garnish.



5. REMOVE DOOR TRIM

- (a) Using a screwdriver, remove the courtesy light, then disconnect the connector.

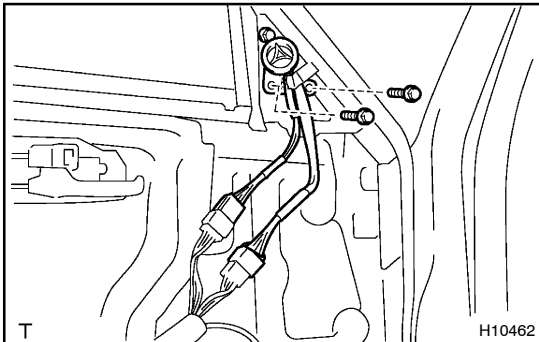
HINT:

Tape the screwdriver tip before use.

- (b) Using a screwdriver, disengage the clips, then pull the trim upward to remove it.

HINT:

Tape the screwdriver tip before use.



6. w/ Front No.2 speaker:

REMOVE FRONT NO.2 SPEAKER

- (a) Disconnect the 2 connectors.
- (b) Remove the 2 bolts and front No.2 speaker.

7. REMOVE OUTSIDE REAR VIEW MIRROR

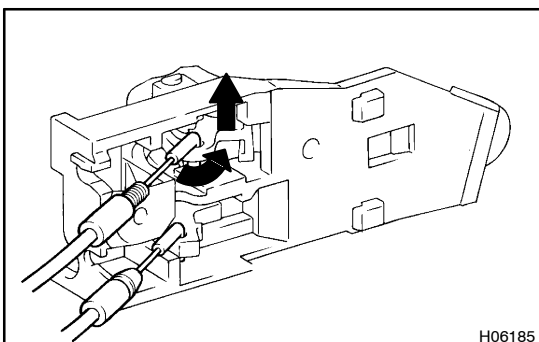
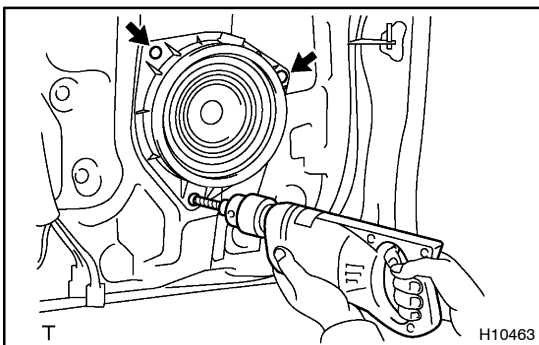
- (a) Disconnect the connector.
- (b) w/ Front No.2 speaker:
Remove the bolt and outside rear view mirror.
- (c) w/o Front No.2 speaker:
Remove the 3 bolts and outside rear view mirror.

8. REMOVE FRONT NO.1 SPEAKER

- (a) Disconnect the connector.
- (b) Using a drill of less than $\varnothing 4$ mm (0.16 in.), drill out the rivet heads and remove the speaker.
- (c) Gently and vertically put the drill to the rivet, and cut the rivet flanges.

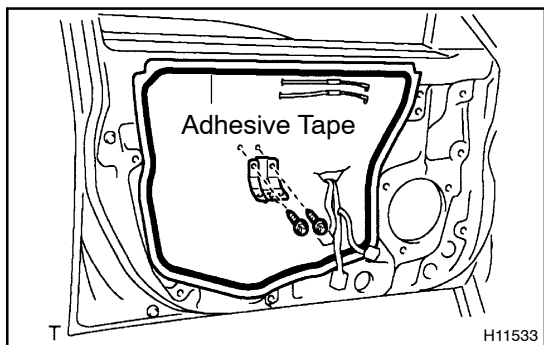
NOTICE:

- **Prizing the hole with a drill can lead to damage to the rivet hole or breaking the drill.**
- **Take care as the cut rivet is hot.**
- (d) Even if flange is taken off, continue drilling and push out remaining fragments with the drill.
- (e) Using a vacuum cleaner, remove the drilled rivet and their dust from the inside of the door.

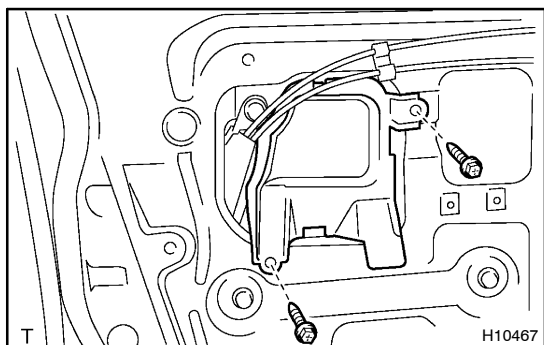


9. REMOVE INSIDE HANDLE

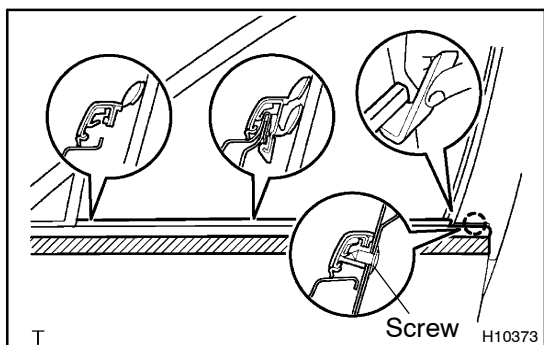
Remove the screw and inside handle, disconnect the 2 cables from the inside handle.

**10. REMOVE SERVICE HOLE COVER**

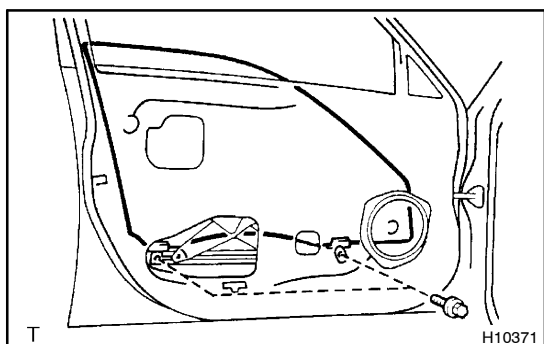
- (a) Remove the 2 screws and door trim bracket.
- (b) Remove the service hole cover.

**11. w/o Double locking:****REMOVE NO.2 SERVICE HOLE COVER**

Remove the 2 screws and No.2 service hole cover.

**12. REMOVE FRONT DOOR BELT MOULDING**

- (a) Remove a screw.
- (b) Apply protective tape to the outer surface as shown in the illustration, to keep the surface from being scratched.
- (c) Using a moulding remover, remove the front door belt moulding as shown in the illustration.

**13. REMOVE DOOR GLASS****HINT:**

Insert a shop rag inside the door panel to prevent scratching the glass.

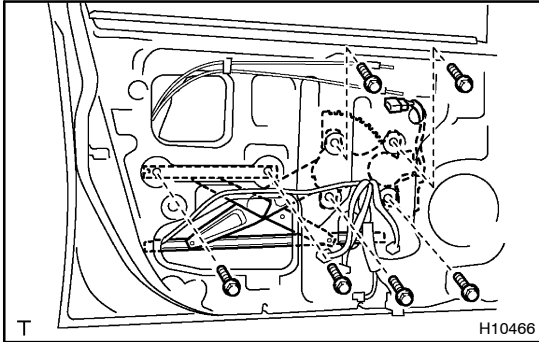
- (a) Open the door glass until the bolts appear in the service hole.
- (b) Remove the 2 bolts and door glass.

NOTICE:

Do not damage the door glass.

HINT:

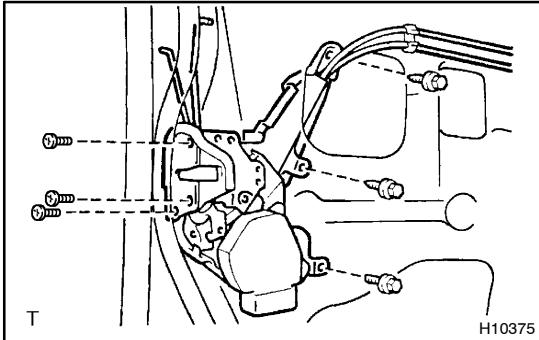
Pull the glass upward to remove it.

**14. REMOVE WINDOW REGULATOR**

- (a) Disconnect the connector and disengage the clamps.
- (b) Remove the 6 bolts and window regulator.

15. REMOVE DOOR GLASS RUN**16. REMOVE REAR LOWER FRAME**

Remove the bolt and rear lower frame.

**17. REMOVE DOOR LOCK**

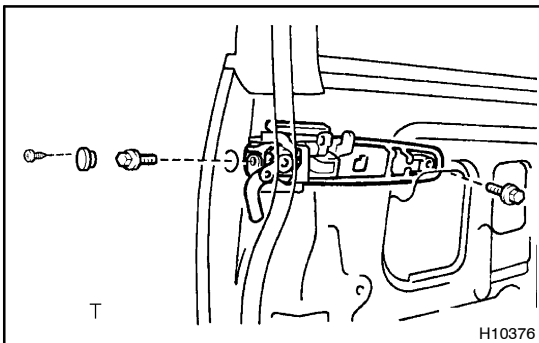
- (a) Disconnect the 2 links from the outside handle and key cylinder.
- (b) Remove the bolt and 2 screws.
- (c) Using a torx socket wrench, remove the 3 torx screws and door lock.

Torx socket wrench: T30 (Part No. 09042-00010 or locally manufactured tool)

- (d) Disconnect the connector.

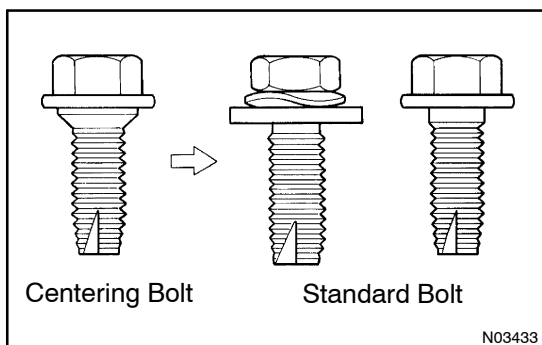
HINT:

Remove the door lock through the service hole.

**18. REMOVE OUTSIDE HANDLE AND KEY CYLINDER**

- (a) Remove the screw and hole cover.
- (b) Remove the 2 bolts and outside handle with the key cylinder.
- (c) Remove the retainer from the outside handle.
- (d) Remove the bolt, key cylinder and protector from the outside handle.

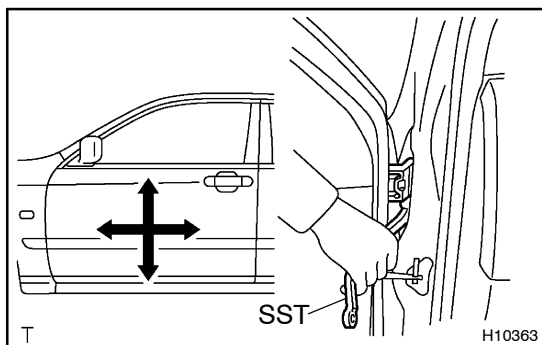
19. REMOVE CUSHIONS



ADJUSTMENT

HINT:

Since the centering bolt is used as a door side hinge bolt, the door hinge cannot be adjusted with it on. Substitute the bolt with a washer for the centering bolt.

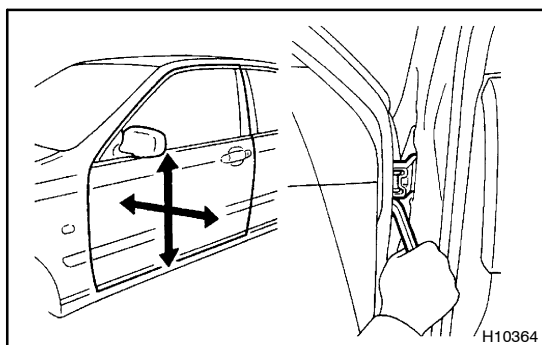


1. ADJUST FRONT DOOR IN FORWARD/REARWARD AND VERTICAL DIRECTIONS

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

SST 09812-00010

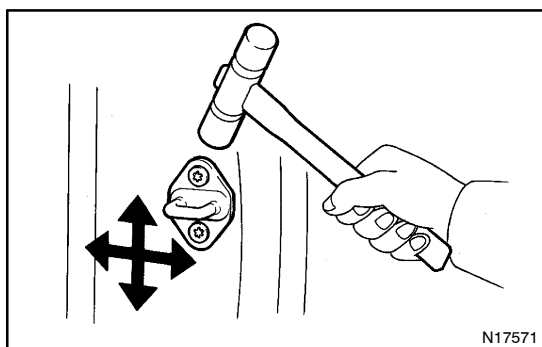
Torque: 26 N·m (265 kgf·cm, 19 ft·lbf)



2. ADJUST FRONT DOOR IN LEFT/RIGHT AND VERTICAL DIRECTIONS

Adjust the door by loosening the door side hinge bolts.

Torque: 27 N·m (275 kgf·cm, 20 ft·lbf)



3. ADJUST FRONT DOOR LOCK STRIKER

- (a) Check that the door fit and door lock linkages are adjusted correctly.

HINT:

Tape the screwdriver tip before use.

- (b) Adjust the striker position by slightly loosening the striker mounting screws, and hitting the striker with a hammer.
- (c) Tighten the striker mounting screws again.

Torque: 23 N·m (235 kgf·cm, 17 ft·lbf)

REASSEMBLY

1. INSTALL OUTER WEATHERSTRIP

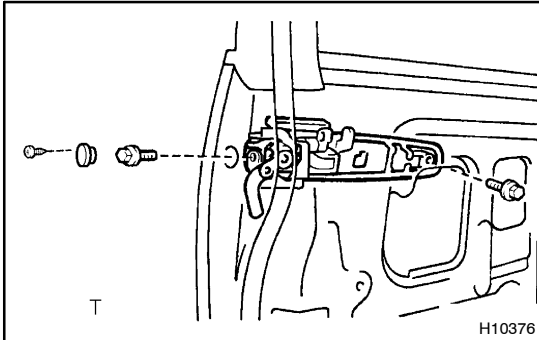
2. INSTALL CUSHIONS

3. INSTALL OUTSIDE HANDLE AND KEY CYLINDER

- (a) Install the key cylinder and protector with the bolt to the outside handle.

Torque: 5.0 N·m (51 kgf·cm, 44 in·lbf)

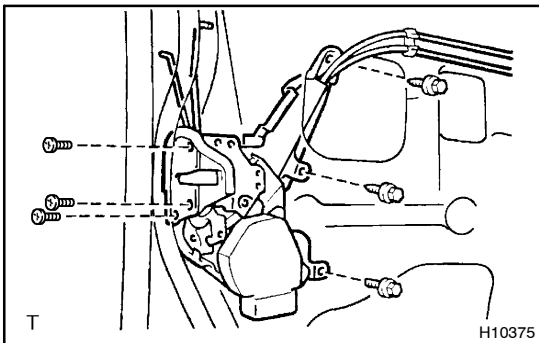
- (b) Install the retainer to the outside handle.



- (c) Install the outside handle with the key cylinder to the door panel with the 2 bolts.

Torque: 5.5 N·m (56 kgf·cm, 49 in·lbf)

- (d) Install the hole cover with the screw.



4. INSTALL DOOR LOCK

- (a) Connect the connector.

- (b) Using a torx socket wrench, install the door lock with the 3 torx screws.

Torx socket wrench: T30 (Part No. 09042-00010 or locally manufactured tool)

Torque: 5.5 N·m (56 kgf·cm, 49 in·lbf)

HINT:

Apply adhesive to the 3 torx screws.

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

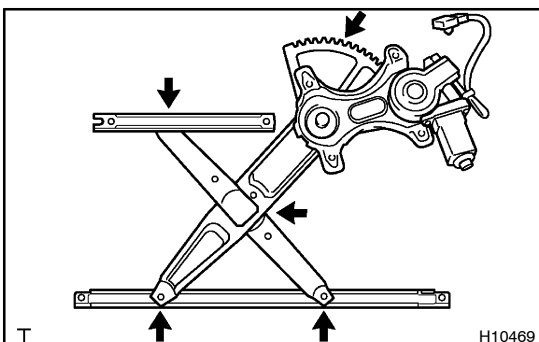
- (c) Install the bolt and 2 screws.

- (d) Connect the 2 links to the outside handle and key cylinder.

5. INSTALL REAR LOWER FRAME

Install the rear lower frame with the bolt.

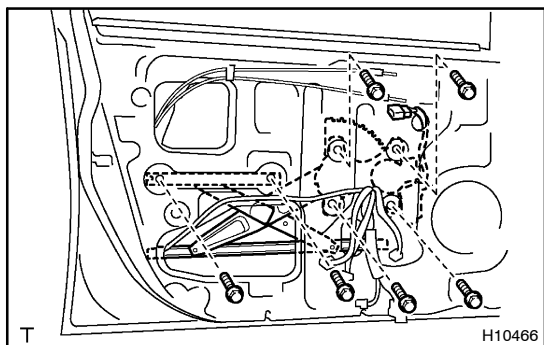
6. INSTALL DOOR GLASS RUN



7. INSTALL WINDOW REGULATOR

HINT:

Apply MP grease to the sliding and rotating parts of the window regulator.



- (a) Install the window regulator with the 6 bolts.

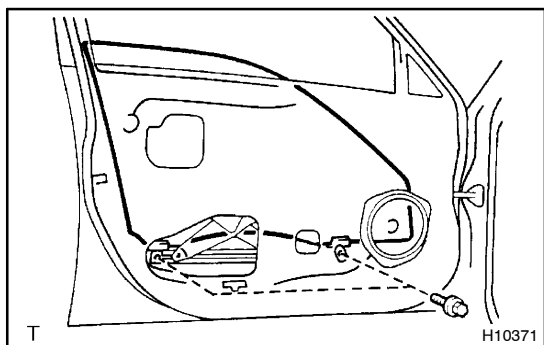
Torque: 11 N·m (112 kgf·cm, 8 ft·lbf)

- (b) Connect the connector and attach the clamps.

HINT:

After installing the window regulator, window regulator need to be re-initialized.

Refer to [BE-112](#).



8. INSTALL DOOR GLASS

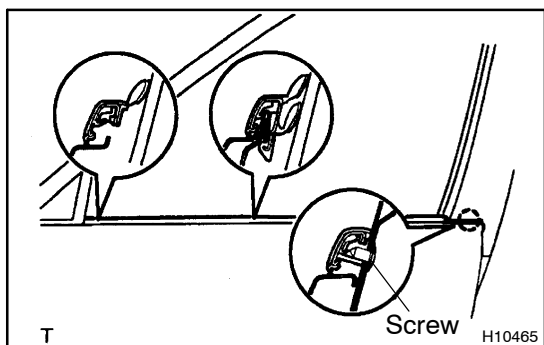
NOTICE:

Do not damage the door glass.

- (a) Put the door glass in the door panel carefully.

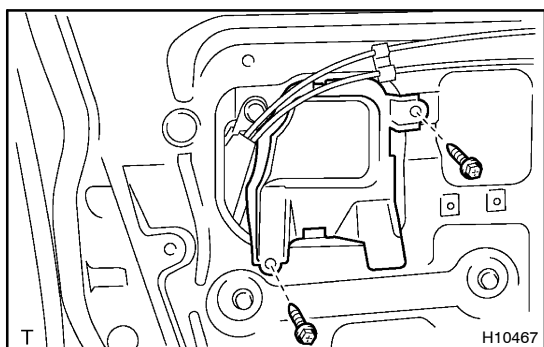
- (b) Install the door glass with the 2 bolts to the window regulator.

Torque: 8.0 N·m (82 kgf·cm, 71 in·lbf)



9. INSTALL FRONT DOOR BELT MOULDING

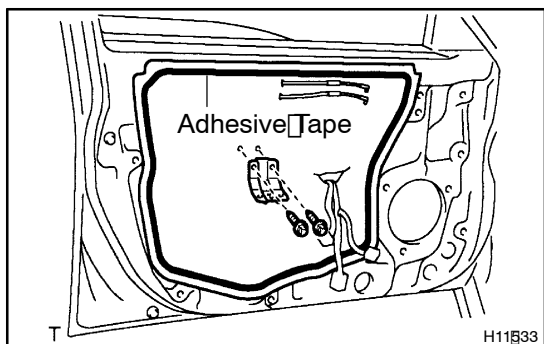
Install the front door belt moulding with the screw.



10. w/o Double locking:

INSTALL NO.2 SERVICE HOLE COVER

Install the No.2 service hole cover with the 2 screws.



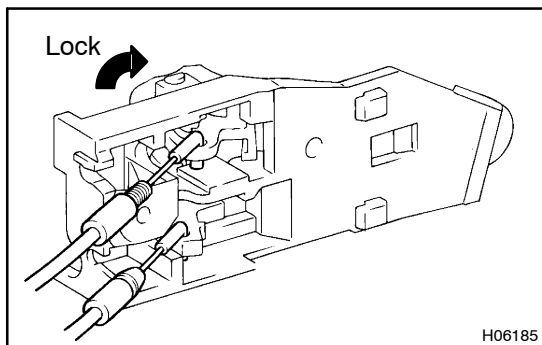
11. INSTALL SERVICE HOLE COVER

- (a) Install the service hole cover to the door panel.

HINT:

- When installing the service hole cover, pull out the links and connectors through the service hole cover.
- There should be no wrinkles or folds after attaching the service hole cover.
- After attaching the service hole cover, sealing condition shall be confirmed.

- (b) Install the door trim bracket with the 2 screws.



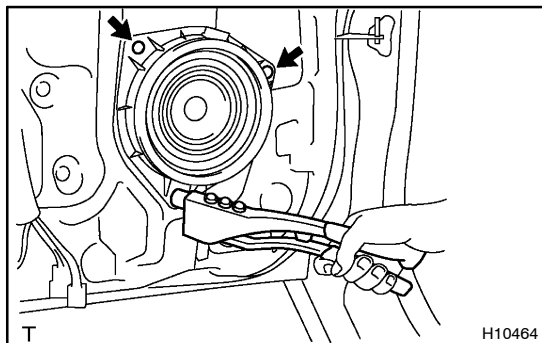
12. INSTALL INSIDE HANDLE

Connect the 2 cables to the inside handle, then install the inside handle with the screw.

NOTICE:

At the time of locking cable reassembly, please observe to the following items.

- Set the door lock assembly to the LOCK position.
- Hold the lock knob to the LOCK position by hand and do not pull the cable, while connecting the locking cable.

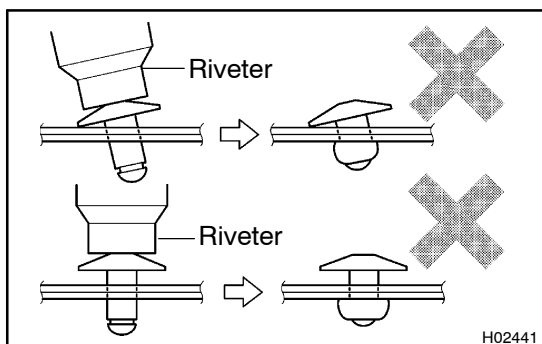
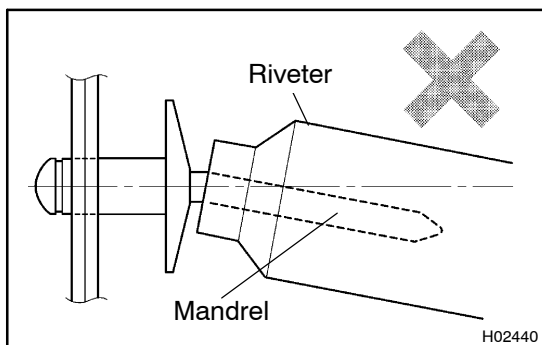


13. INSTALL FRONT NO.1 SPEAKER

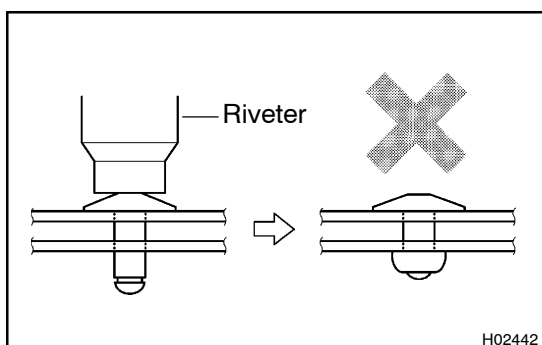
- (a) Using an air riveter or hand riveter, install the front No.1 speaker.

NOTICE:

- Do not prize a riveter, as riveter is damaged, it is not tightened and the mandrel is bent.



- Do not tilt the riveter and disconnect the rivet from the material while handling a riveter, as the materials are not tightened firmly.

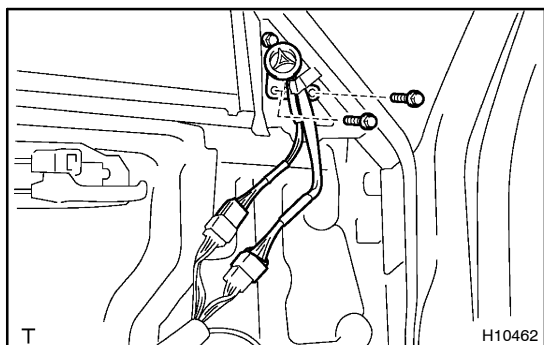


- Install the rivet while attaching materials, as they are not tightened firmly.

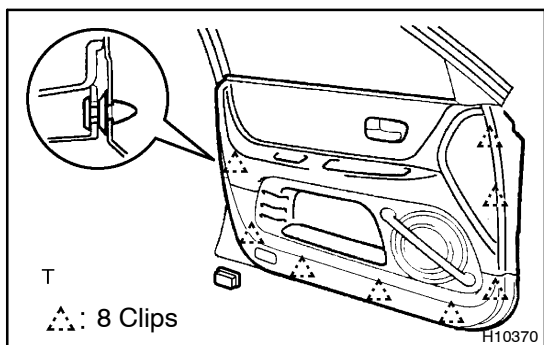
- (b) Connect the connector.

14. INSTALL OUTSIDE REAR VIEW MIRROR

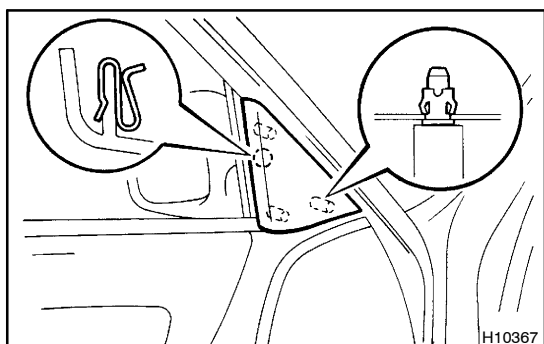
- (a) w/ Front No.2 speaker:
Install the outside rear view mirror with the bolt.
Torque: 8.0 N·m (82 kgf·cm, 71 in·lbf)
- (b) w/o Front No.2 speaker:
Install the outside rear view mirror with the 3 bolts.
Torque: 8.0 N·m (82 kgf·cm, 71 in·lbf)
- (c) Connect the connector.

**15. w/ Front No.2 speaker:****INSTALL FRONT NO.2 SPEAKER**

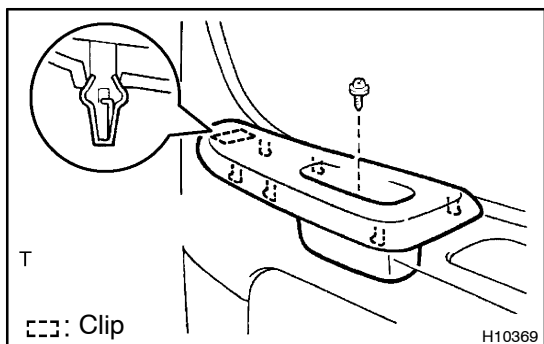
- (a) Install the front No.2 speaker with the 2 bolts.
Torque: 8.0 N·m (82 kgf·cm, 71 in·lbf)
- (b) Connect the 2 connectors.

**16. INSTALL DOOR TRIM**

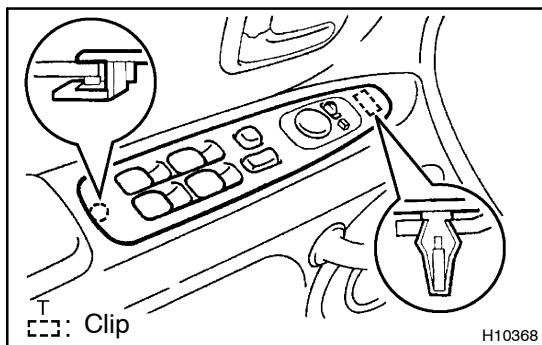
- (a) Install the door trim to the door panel.
- (b) Connect the connector, then install the courtesy light.

**17. INSTALL LOWER FRAME BRACKET GARNISH**

Install the lower frame bracket garnish to the door panel.

**18. INSTALL FRONT ARMREST**

Install the front armrest with the screw.

**19. INSTALL POWER WINDOW SWITCH**

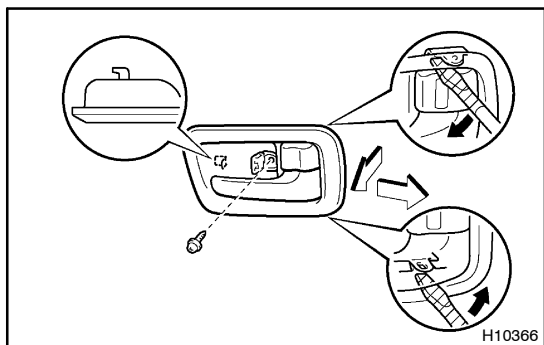
- (a) Disconnect the connectors.
- (b) Install the power window switch.

20. INSTALL INSIDE HANDLE BEZEL

- (a) Install the inside handle bezel with the screw.
- (b) Close the screw cap.

BO2C7-01





DISASSEMBLY

1. REMOVE INSIDE HANDLE BEZEL

- (a) Using a screwdriver, open the screw cap.

HINT:

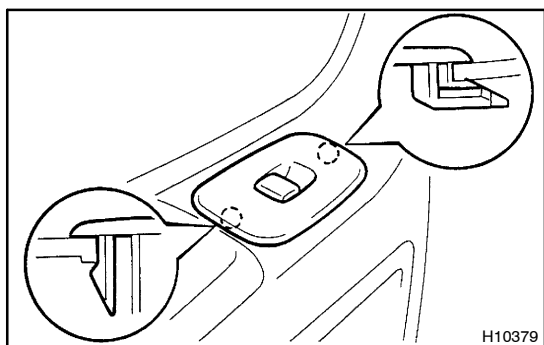
Tape the screwdriver tip before use.

- (b) Remove the screw.

- (c) Using a screwdriver, remove the inside handle bezel as shown in the illustration.

HINT:

Tape the screwdriver tip before use.



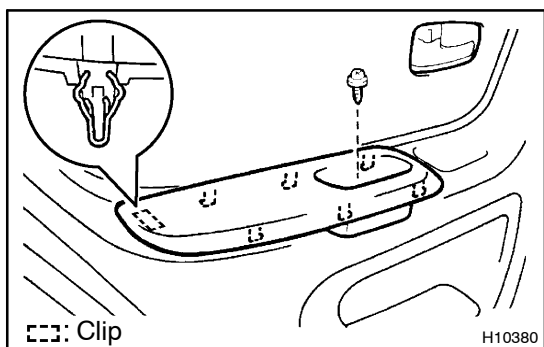
2. REMOVE POWER WINDOW SWITCH

- (a) Using a screwdriver, remove the power window switch.

HINT:

Tape the screwdriver tip before use.

- (b) Disconnect the connector.



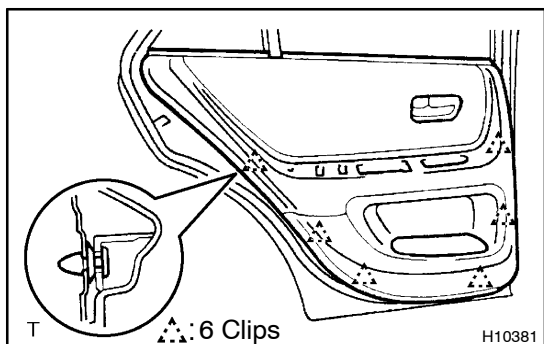
3. REMOVE REAR ARMREST

- (a) Remove the screw.

- (b) Using a screwdriver, remove the rear armrest.

HINT:

Tape the screwdriver tip before use.

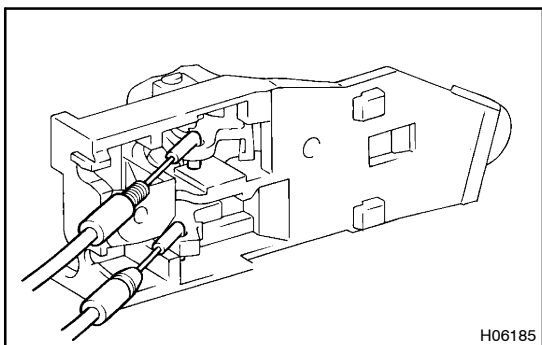


4. REMOVE DOOR TRIM

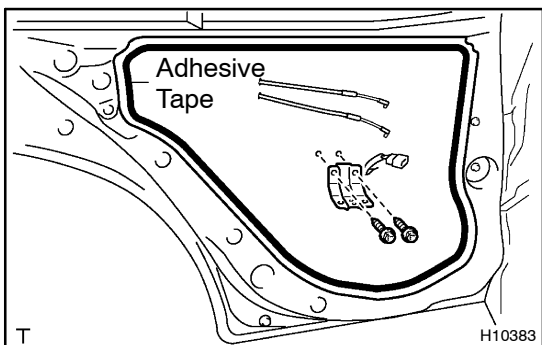
Using a screwdriver, disengage the clips, then pull the trim upward to remove it.

HINT:

Tape the screwdriver tip before use.

**5. REMOVE INSIDE HANDLE**

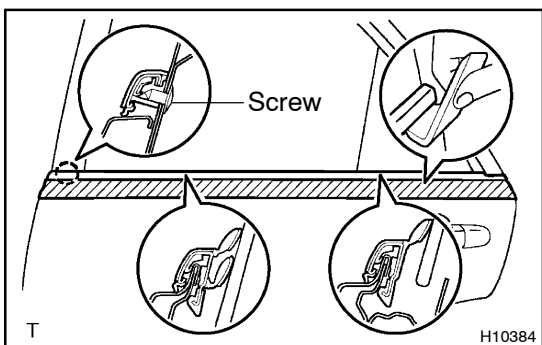
Remove the screw and inside handle, disconnect the 2 cables from the inside handle.

**6. REMOVE SERVICE HOLE COVER**

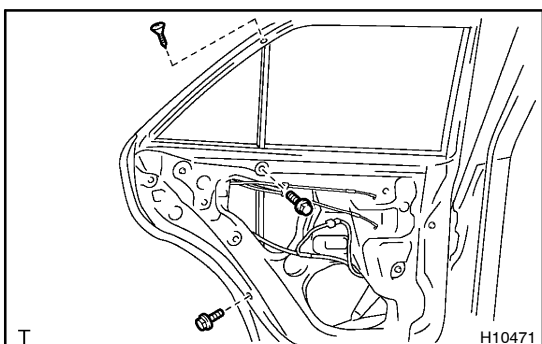
- (a) Disconnect the connector.
- (b) Remove the 2 screws and door trim bracket.
- (c) Remove the service hole cover.

7. w/o Double locking:**REMOVE SERVICE HOLE PLATE**

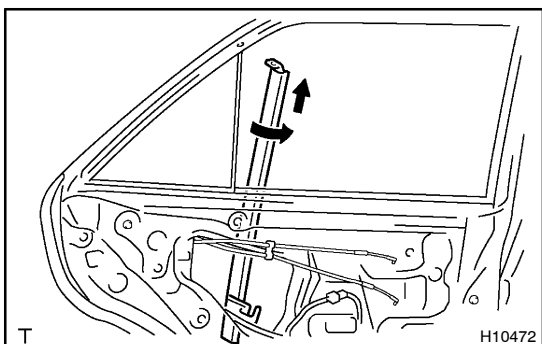
Remove the 2 screws and service hole plate.

8. REMOVE DOOR GLASS RUN**9. REMOVE REAR DOOR BELT MOULDING**

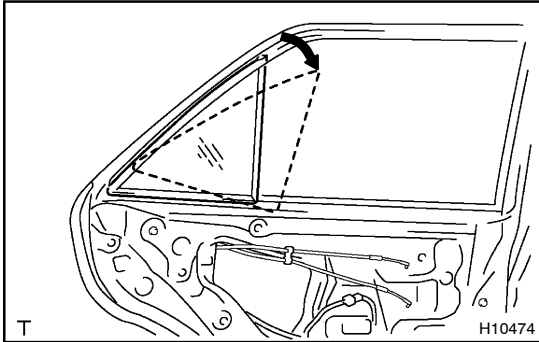
- (a) Remove a screw.
- (b) Apply protective tape to the outer surface as shown in the illustration to keep the surface from being scratched.
- (c) Using a moulding remover, remove the rear door belt moulding as shown in the illustration.

**10. REMOVE DIVISION BAR**

- (a) Remove the 2 bolts and screw.
- (b) Pull the division bar forward.



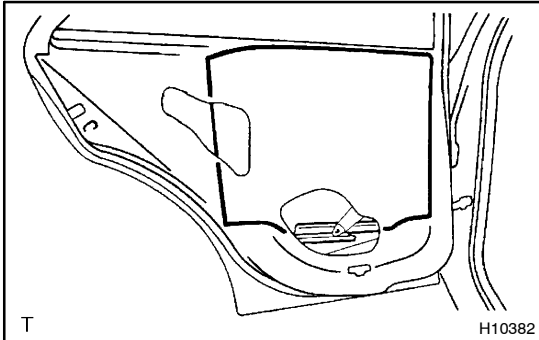
- (c) Rotate the division bar 90° and pull it upward as shown in the illustration.



- 11. REMOVE REAR DOOR QUARTER WINDOW GLASS**
 (a) Remove the rear door quarter window glass as shown in the illustration.

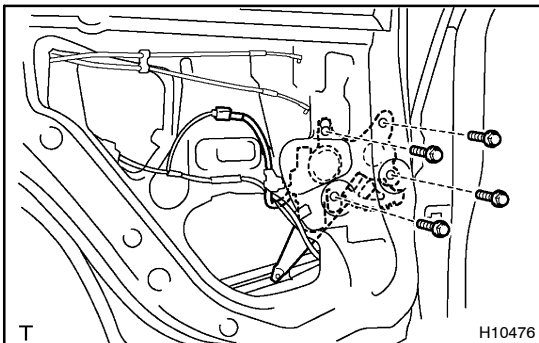
NOTICE:**Do not damage the glass.**

- (b) Remove the quarter window weatherstrip from the glass.

**12. REMOVE DOOR GLASS****HINT:**

Insert a shop rag inside the door panel to prevent scratching the glass.

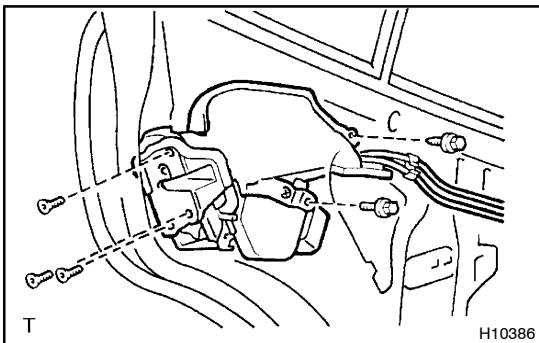
- (a) Open the door glass.
 (b) Tilt the door glass and disconnect the roller of the regulator from the glass channel to remove the door glass.

**13. REMOVE WINDOW REGULATOR**

- (a) Disconnect the connector.
 (b) Remove the 4 bolts and window regulator.

14. REMOVE DOOR LOCK

- (a) Remove the child protection cover.
 (b) Disconnect the 2 links from the outside handle and key cylinder.



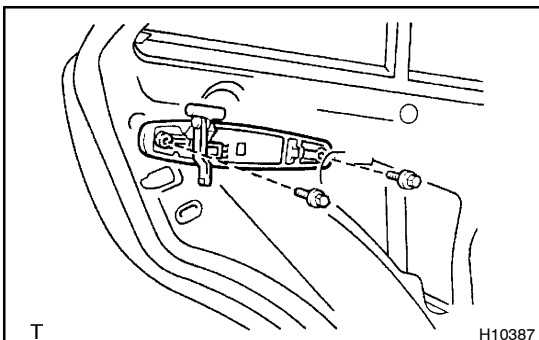
- (c) Remove the bolt and screw.
 (d) Using a torx socket wrench, remove the 3 torx screws and door lock.

Torx socket wrench: T30 (Part No. 09042-00010 or locally manufactured tool)

HINT:

Remove the door lock through the service hole.

- (e) Disconnect the connector.

**15. REMOVE OUTSIDE HANDLE**

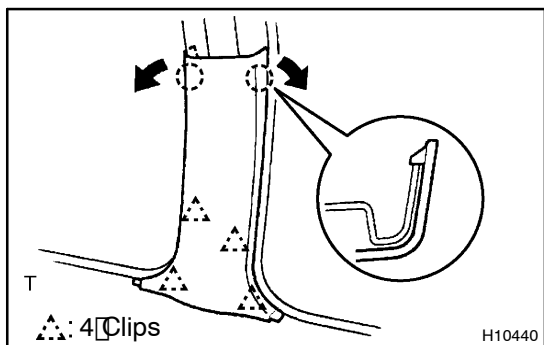
Remove the 2 bolts and outside handle.

16. REMOVE CUSHIONS

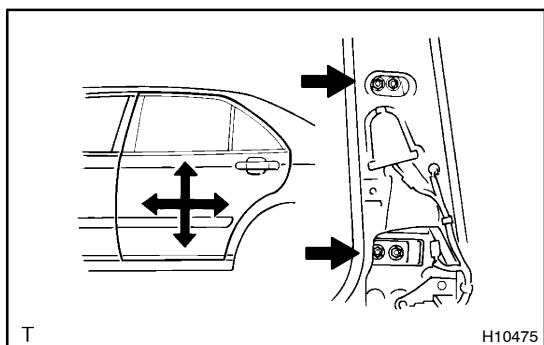
ADJUSTMENT

1. ADJUST DOOR IN FORWARD/REARWARD AND VERTICAL DIRECTIONS

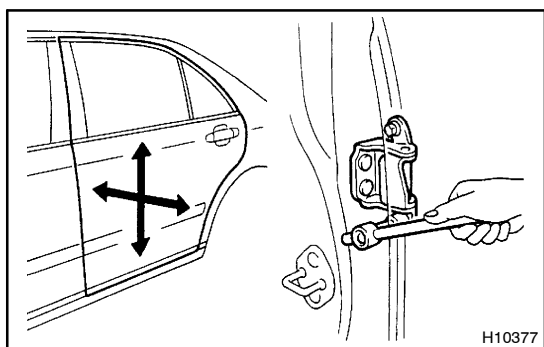
- (a) Remove the front door inside scuff plate.
- (b) Remove the rear door inside scuff plate.



- (c) Remove the center pillar lower garnish.
- (d) Remove the seat belt pretensioner (See page BO-150).

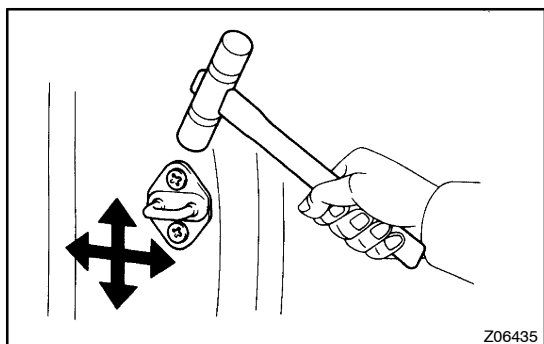


- (e) Adjust the door by loosening the body side hinge nuts.
Torque: 26 N·m (265 kgf·cm, 19 ft·lbf)
- (f) Install the seat belt pretensioner (See page BO-159).
- (g) Install the lower center pillar garnish.
- (h) Install the rear door inside scuff plate.
- (i) Install the front door inside scuff plate.



2. ADJUST DOOR IN LEFT/RIGHT AND VERTICAL DIRECTIONS

Adjust the door by loosening the door side hinge bolts.
Torque: 27 N·m (275 kgf·cm, 20 ft·lbf)

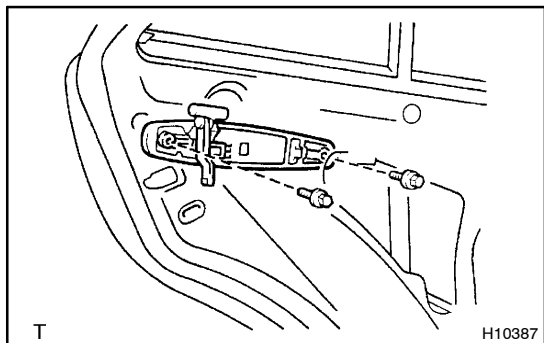


3. ADJUST DOOR LOCK STRIKER

- (a) Check that the door fit and door lock linkages are adjusted correctly.
- (b) Adjust the striker position by slightly loosening the striker mounting screws, and hitting the striker with a hammer.
- (c) Tighten the striker mounting screws again.
Torque: 23 N·m (235 kgf·cm, 17 ft·lbf)

REASSEMBLY

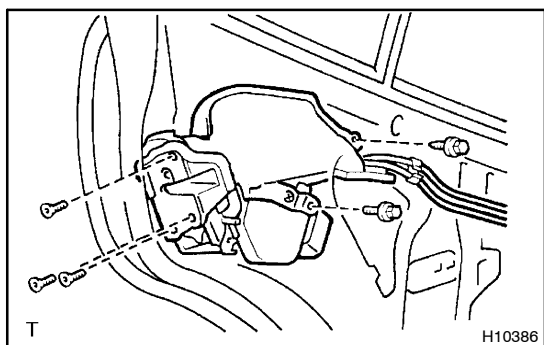
1. INSTALL CUSHIONS



2. INSTALL OUTSIDE HANDLE

Install the outside handle with the 2 bolts.

Torque: 5.5 N·m (56 kgf·cm, 49 in.·lbf)



3. INSTALL DOOR LOCK

- (a) Connect the connector.
- (b) Using a torx socket wrench, install the door lock with the 3 torx screws.

Torque: 5.5 N·m (56 kgf·cm, 49 in.·lbf)

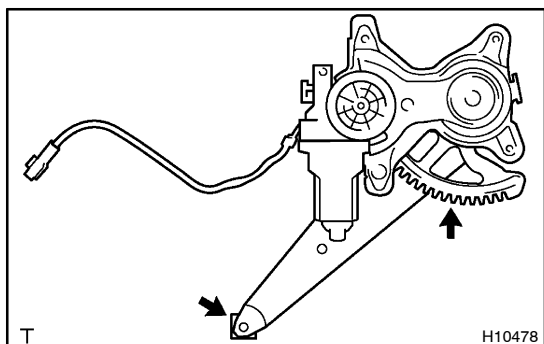
Torx socket wrench: T30 (Part No. 09042-00010 or locally manufactured tool)

HINT:

Apply adhesive to the 3 torx screws.

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

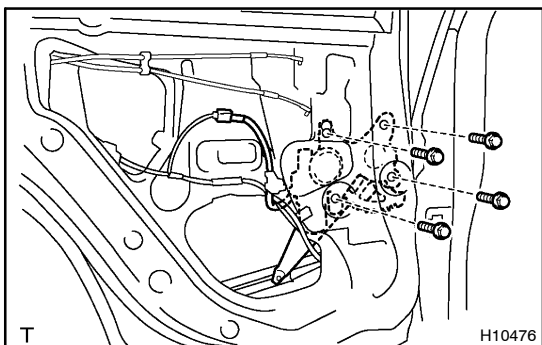
- (c) Install the bolt and screw.
- (d) Connect the 2 links to the outside handle and key cylinder.
- (e) Install the child protection cover.



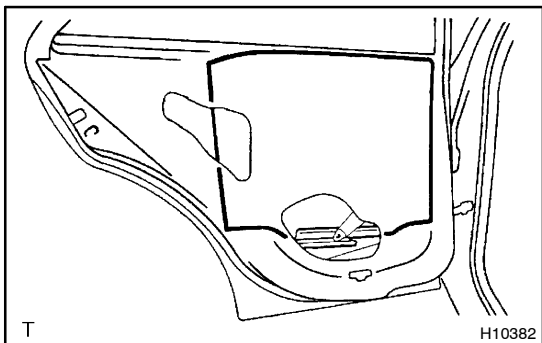
4. INSTALL WINDOW REGULATOR

HINT:

Apply MP grease to the sliding and rotating parts of the window regulator.



- (a) Install the window regulator with the 4 bolts.
Torque: 11 N·m (112 kgf·cm, 8 ft·lbf)
- (b) Connect the connector.

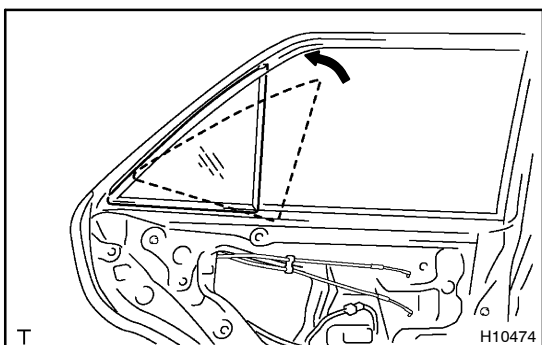


5. INSTALL DOOR GLASS

HINT:

Insert a shop rag inside the door panel to prevent scratching the glass.

Tilt the door glass and connect the roller of the regulator to the glass channel to install the door glass.



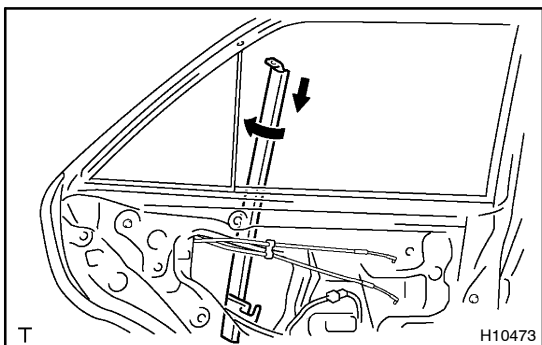
6. INSTALL QUARTER WINDOW GLASS

- (a) Install the quarter window weatherstrip to the glass.

NOTICE:

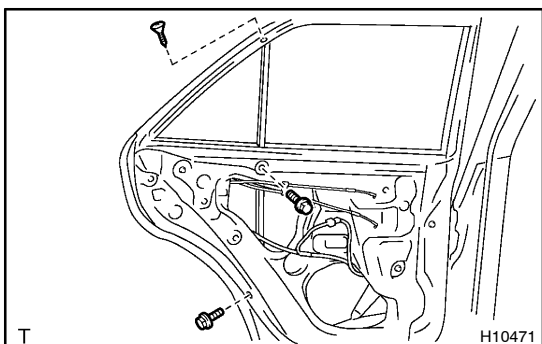
Do not damage the glass.

- (b) Install the rear door quarter window glass as shown in the illustration.



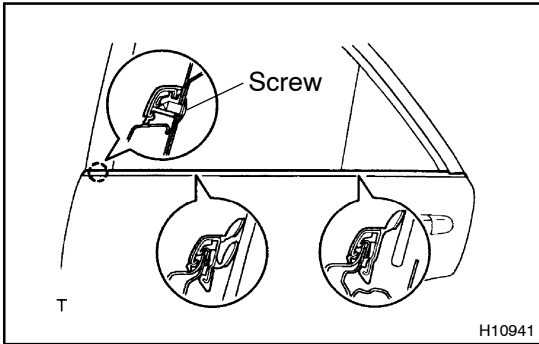
7. INSTALL DIVISION BAR

- (a) Insert the division bar to the door panel, then rotate it 90°.



- (b) Install the 2 bolts and screw.

8. INSTALL DOOR GLASS RUN

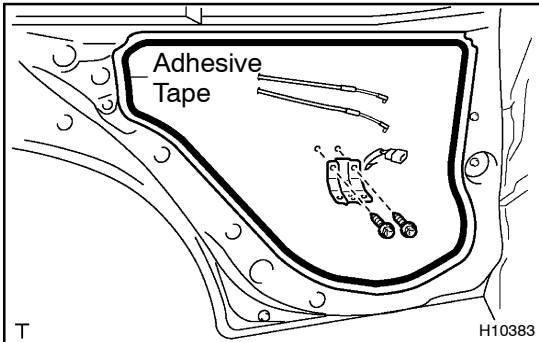


9. INSTALL REAR DOOR BELT MOULDING

Install the rear door belt moulding with the screw.

10. INSTALL SERVICE HOLE PLATE

Install the service hole plate with the 2 screws.



11. INSTALL SERVICE HOLE COVER

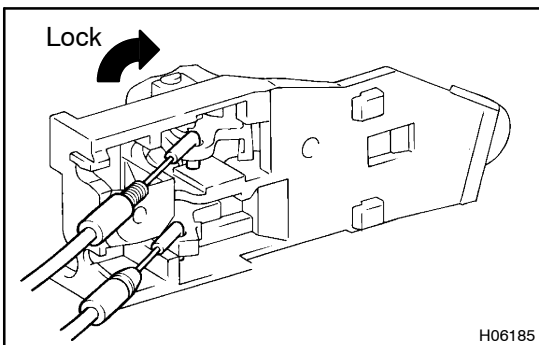
(a) Install the service hole cover to the door panel.

HINT:

- When installing the service hole cover, pull out the links and connectors through the service hole cover.
- There should be no wrinkles or folds after attaching the service hole cover.
- After attaching the service hole cover, sealing condition shall be confirmed.

(b) Install the door trim bracket with the 2 screws.

(c) Connect the connector.



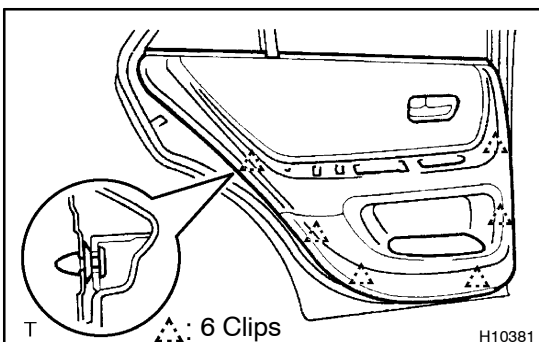
12. INSTALL INSIDE HANDLE

Connect the 2 cables to the inside handle, then install the inside handle with the screw.

NOTICE:

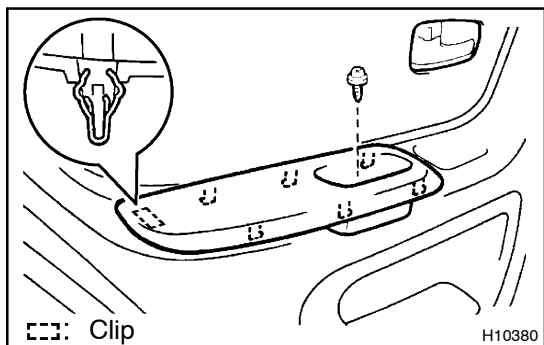
At the time of locking cable reassembly, please observe to the following items.

- Set the door lock assembly to the LOCK position.
- Hold the lock knob to the LOCK position by hand and do not pull the cable, while connecting the locking cable.

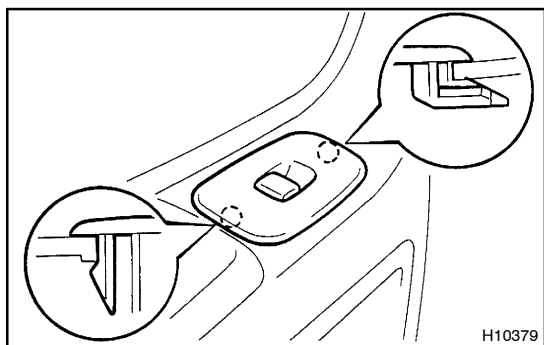


13. INSTALL DOOR TRIM

Install the door trim to the door panel.

**14. INSTALL REAR ARMREST**

Install the rear armrest with the screw.

**15. INSTALL POWER WINDOW SWITCH**

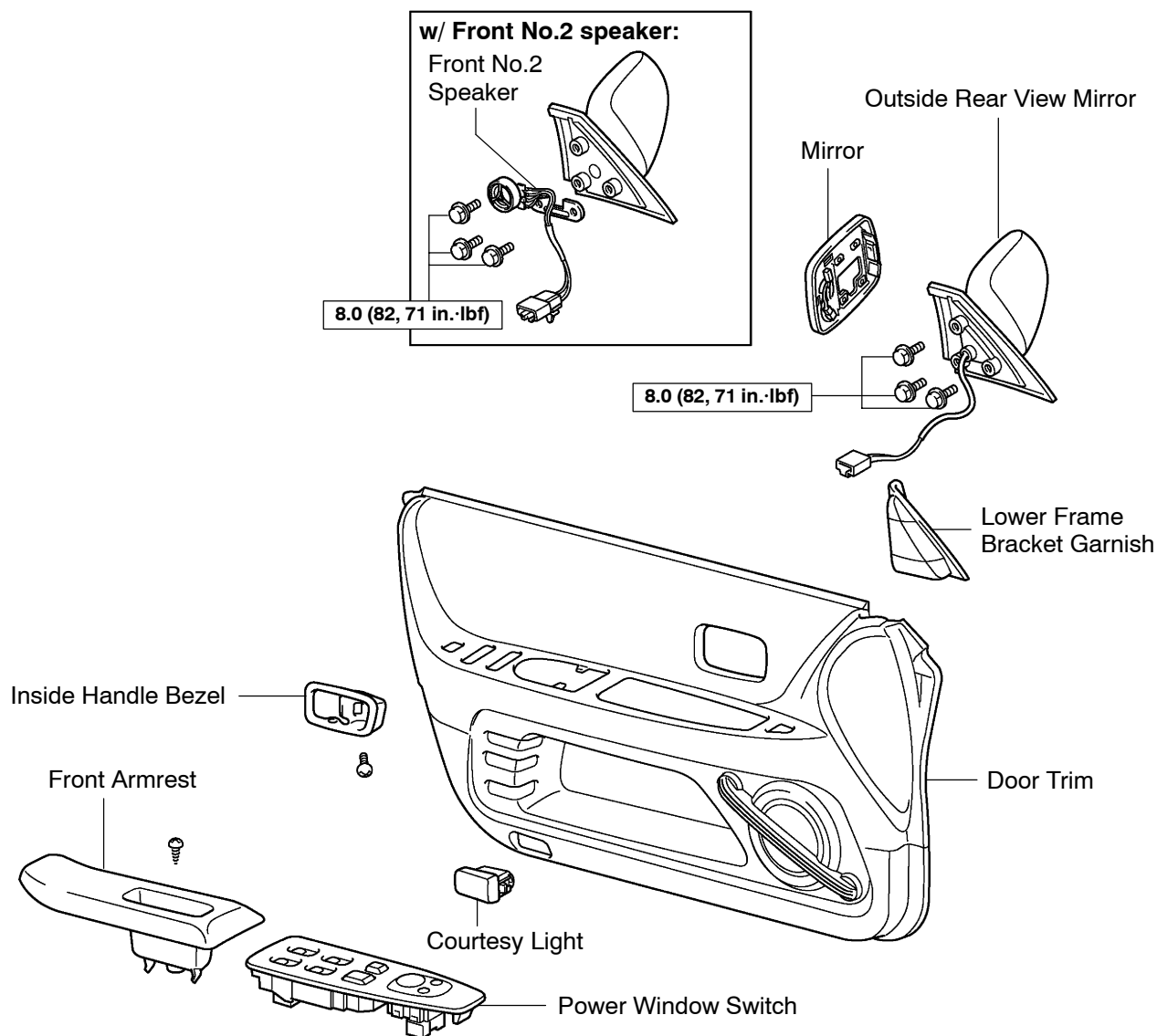
- (a) Connect the connector.
- (b) Install the power window switch to the door trim.

16. INSTALL DOOR INSIDE HANDLE BEZEL

- (a) Install the door inside handle bezel with the screw.
- (b) Close the cap.

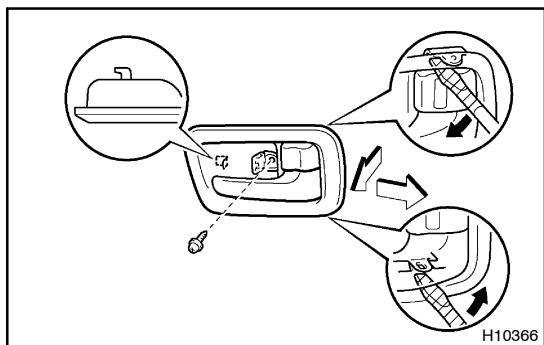
OUTSIDE REAR VIEW MIRROR COMPONENTS

B00UO-04



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

H10522



REMOVAL

1. REMOVE INSIDE HANDLE BEZEL

- (a) Using a screwdriver, open the screw cap.

HINT:

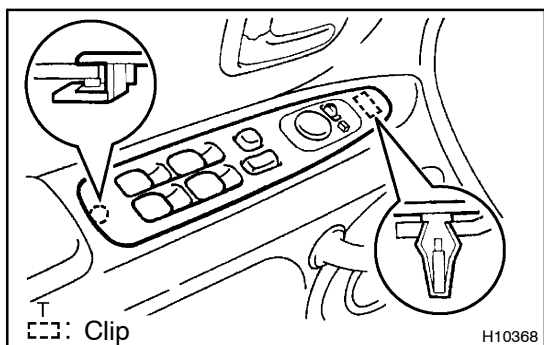
Tape the screwdriver tip before use.

- (b) Remove the screw.

- (c) Using a screwdriver, remove the inside handle bezel as shown in the illustration.

HINT:

Tape the screwdriver tip before use.



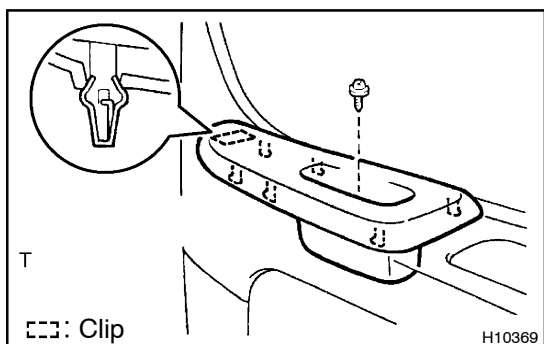
2. REMOVE POWER WINDOW SWITCH

- (a) Using a screwdriver, remove the power window switch.

HINT:

Tape the screwdriver tip before use.

- (b) Disconnect the connectors.



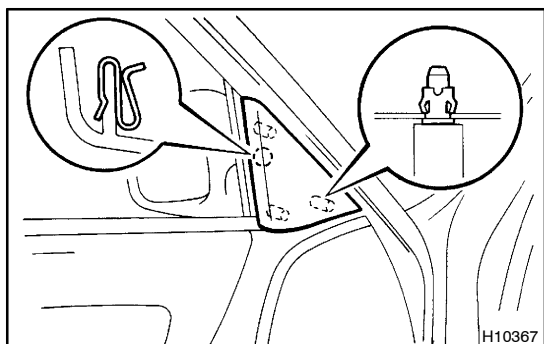
3. REMOVE FRONT ARMREST

- (a) Remove the screw.

- (b) Using a screwdriver, remove the front armrest as shown in the illustration.

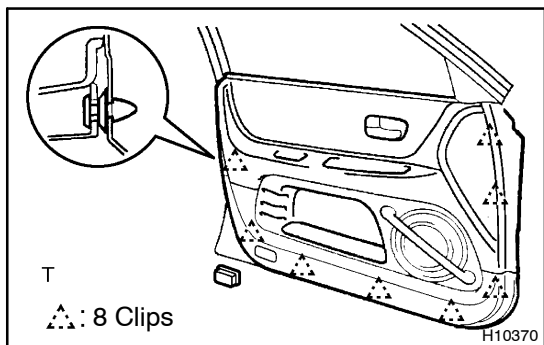
HINT:

Tape the screwdriver tip before use.



4. REMOVE LOWER FRAME BRACKET GARNISH

Remove the lower frame bracket garnish.



5. REMOVE DOOR TRIM

- (a) Using a screwdriver, remove the courtesy light, then disconnect the connector.

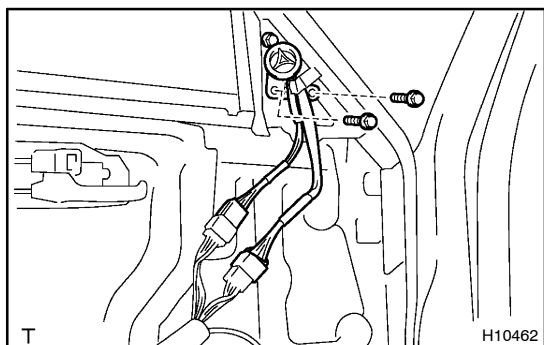
HINT:

Tape the screwdriver tip before use.

- (b) Using a screwdriver, disengage the clips, then pull the trim upward to remove it.

HINT:

Tape the screwdriver tip before use.



6. w/ Front No.2 speaker:

REMOVE FRONT NO.2 SPEAKER

- (a) Disconnect the connector.
- (b) Remove the 2 bolts and front No.2 speaker.

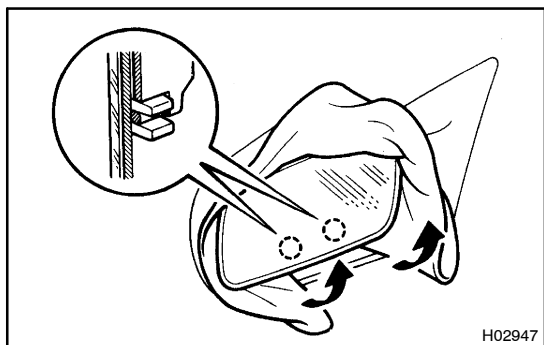
7. REMOVE OUTSIDE REAR VIEW MIRROR

- (a) Disconnect the connector.
- (b) w/ Front No.2 speaker:
Remove the bolt and outside rear view mirror.
- (c) w/o Front No.2 speaker:
Remove the 3 bolts and outside rear view mirror.

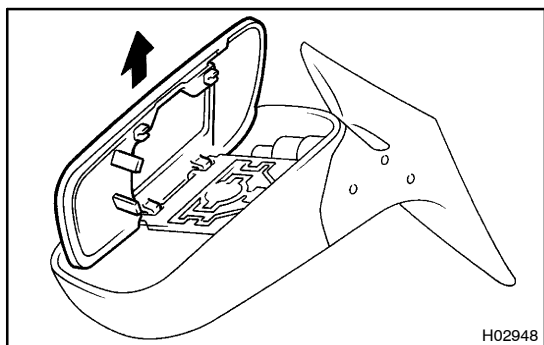
REPLACEMENT

1. IF NECESSARY, DISCONNECT MIRROR

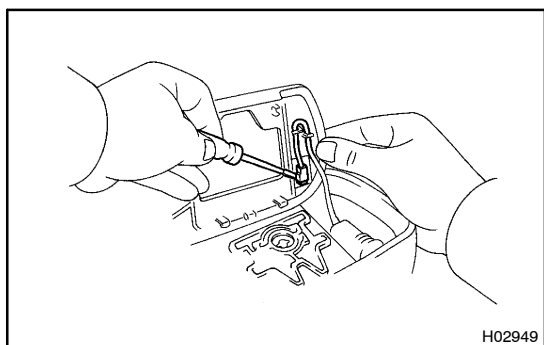
- (a) Insert a shop rag between the mirror and the mirror body.
- (b) Pull up the lower side of the shop rag to disconnect the mirror joint.



- (c) Pull up the mirror and disconnect it.

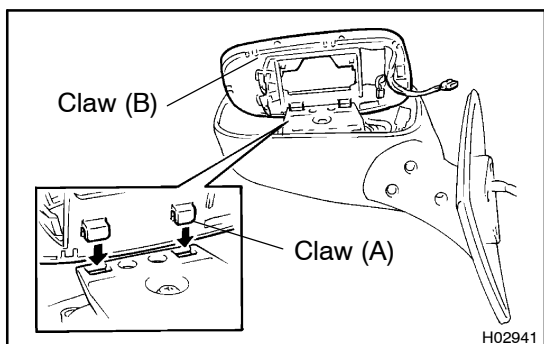


- (d) Disconnect the connectors.



2. CONNECT MIRROR

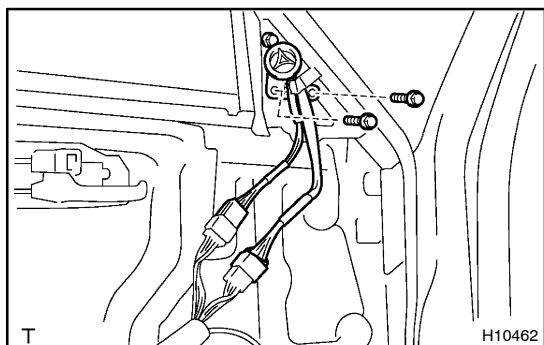
- (a) Connect the connectors.
- (b) Connect the claws (A) and set the mirror to the mirror body.
- (c) Push the mirror to connect the claws (B) and set it.



INSTALLATION

1. INSTALL OUTSIDE REAR VIEW MIRROR

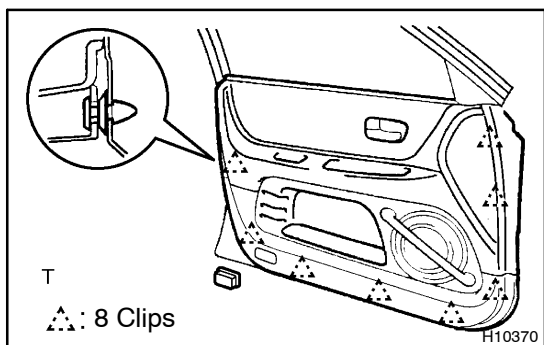
- (a) w/ Front No.2 speaker:
Install the outside rear view mirror with the bolt.
Torque: 8.0 N·m (82 kgf·cm, 71 in·lbf)
- (b) w/o Front No.2 speaker:
Install the outside rear view mirror with the 3 bolts.
Torque: 8.0 N·m (82 kgf·cm, 71 in·lbf)
- (c) Connect the connector.



2. w/ Front No.2 speaker:

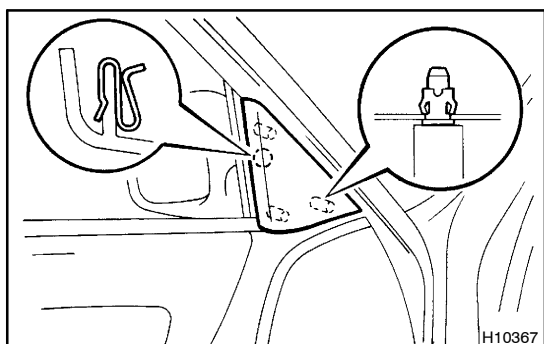
INSTALL FRONT NO.2 SPEAKER

- (a) Install the front No.2 speaker with the 2 bolts.
Torque: 8.0 N·m (82 kgf·cm, 71 in·lbf)
- (b) Connect the connector.



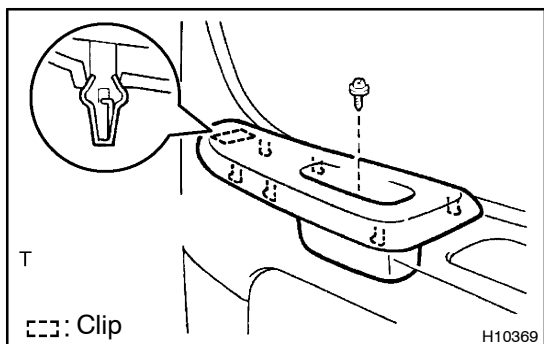
3. INSTALL DOOR TRIM

- (a) Install the door trim to the door panel.
- (b) Connect the connector, then install the courtesy light.



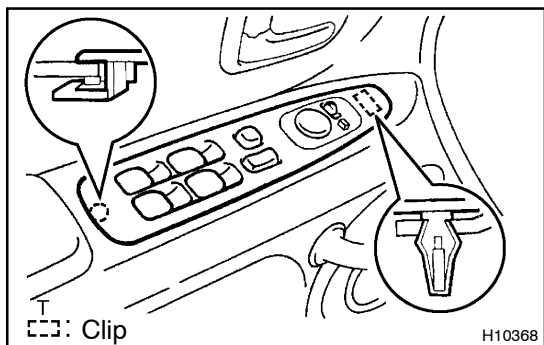
4. INSTALL LOWER FRAME BRACKET GARNISH

Install the lower frame bracket garnish to the door panel.



5. INSTALL FRONT ARMREST

Install the front armrest with the screw.

**6. INSTALL POWER WINDOW SWITCH**

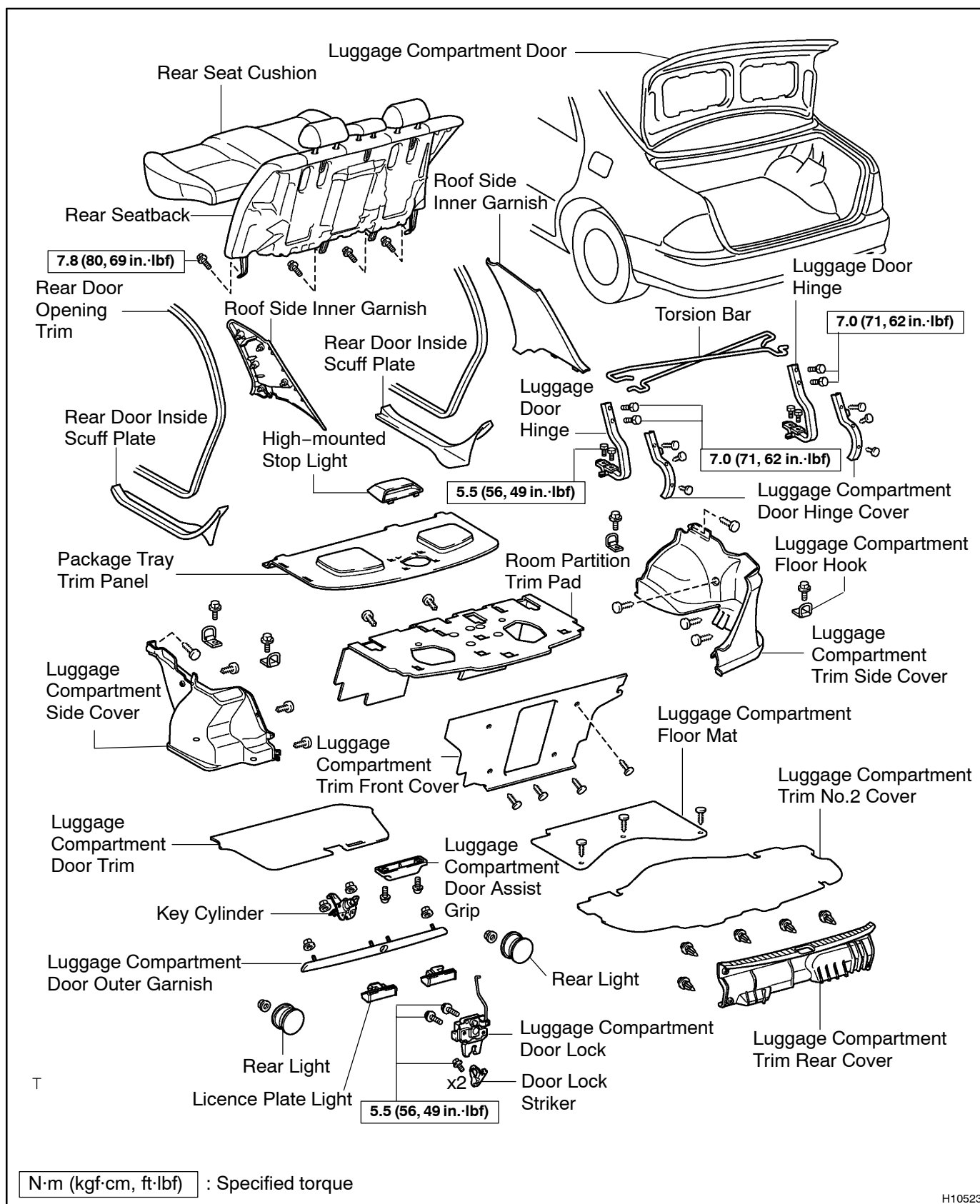
- (a) Connect the connectors.
- (b) Install the power window switch.

7. INSTALL INSIDE HANDLE BEZEL

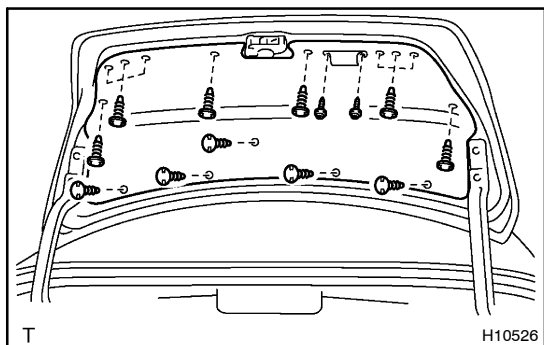
- (a) Install the inside handle bezel with the screws.
- (b) Close the screw cap.

LUGGAGE COMPARTMENT DOOR AND HINGE COMPONENTS

800XB-04



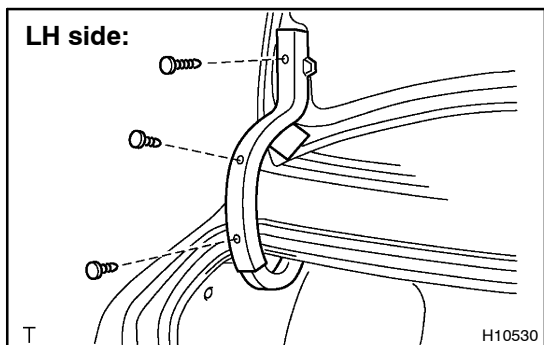
H10523



REMOVAL

1. REMOVE LUGGAGE COMPARTMENT DOOR TRIM

- (a) Remove the 2 screws and luggage compartment door assist grip.
- (b) Remove the 15 clips and luggage compartment door trim.



2. REMOVE LUGGAGE COMPARTMENT DOOR HINGE COVERS

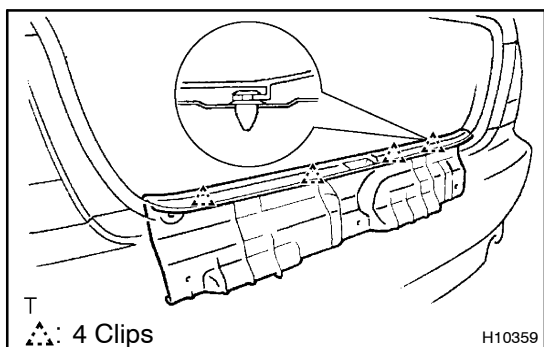
- (a) Remove the 3 clips.
- (b) Open the cover and remove the hinge cover.
- (c) Employ the same manner described above to the other side.

3. REMOVE LUGGAGE COMPARTMENT DOOR

- (a) Disconnect the connector.
- (b) Disengage the clamps.
- (c) Remove the 4 bolts and door.

Torque: 7.0 N·m (71 kgf·cm, 62 in·lbf)

4. REMOVE LUGGAGE COMPARTMENT TRIM NO.2 COVER



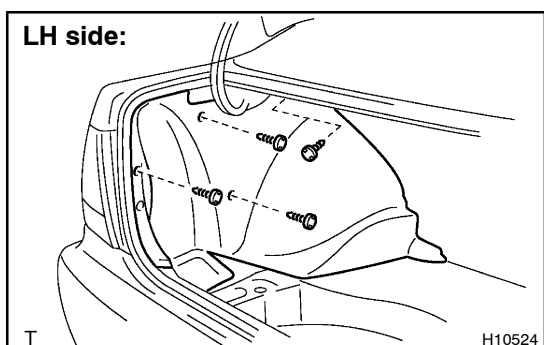
5. REMOVE LUGGAGE COMPARTMENT TRIM REAR COVER

- (a) Using a clip remover, remove the 5 clips.
- (b) Using a screwdriver, remove the luggage compartment trim rear cover.

HINT:

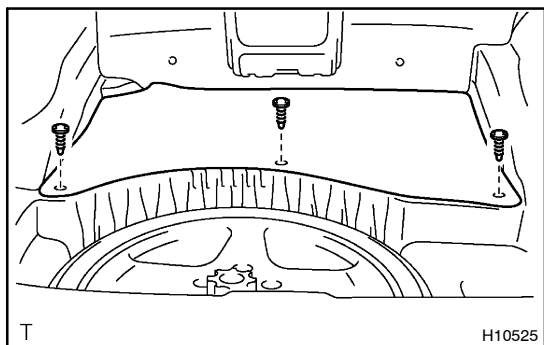
Tape the screwdriver tip before use.

6. REMOVE LUGGAGE COMPARTMENT FLOOR HOOKS

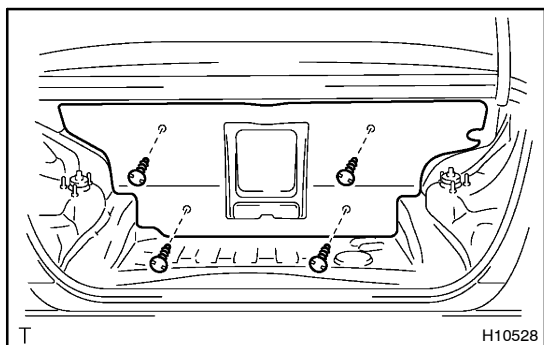


7. REMOVE LUGGAGE COMPARTMENT TRIM SIDE COVER LH AND RH

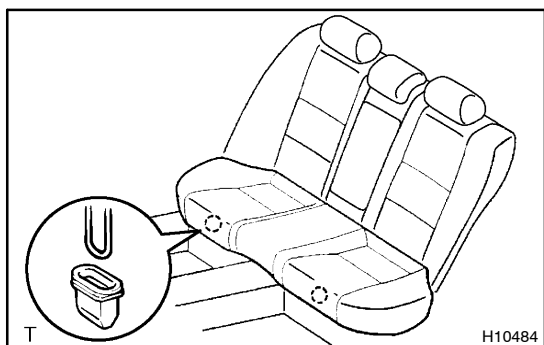
- (a) Remove the 4 clips and luggage compartment trim side cover.
- (b) Employ the same manner described above to the other side.

**8. REMOVE LUGGAGE COMPARTMENT FLOOR MAT**

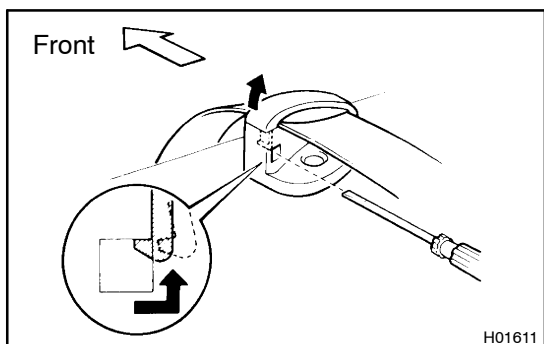
Remove the 3 clips and luggage compartment floor mat.

**9. REMOVE LUGGAGE COMPARTMENT TRIM FRONT COVER**

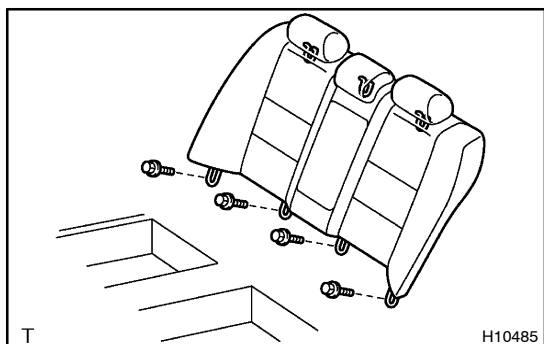
Remove the 4 clips and luggage compartment trim front cover.

**10. REMOVE REAR SEAT CUSHION**

Pull up the front portion of the seat cushion, then remove it.

**11. REMOVE REAR SEATBACK**

- (a) Using a screwdriver, remove the rear seat belt from the belt guide as shown in the illustration.
- (b) Employ the same manner described above to the other side.



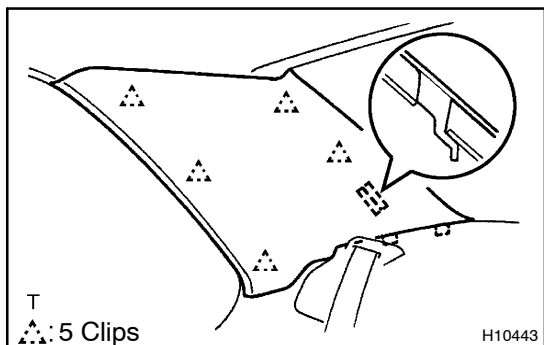
- (c) Remove the 4 bolts.

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

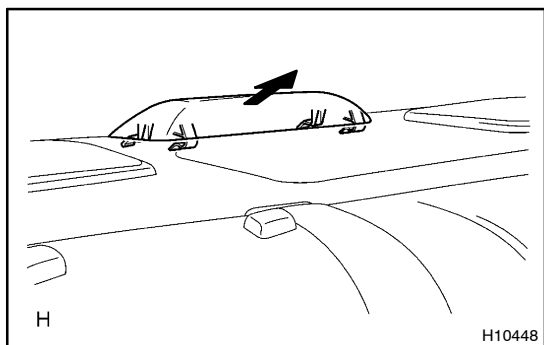
- (d) Pull up the seatback to remove it.

NOTICE:

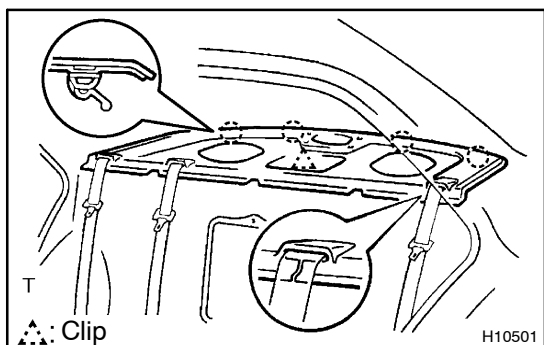
Be careful not to damage the body.

**12. REMOVE ROOF SIDE INNER GARNISH**

- (a) Using a screwdriver, remove the roof side inner garnish.
- (b) Employ the same manner described above to the other side.

**13. REMOVE HIGH-MOUNTED STOP LIGHT**

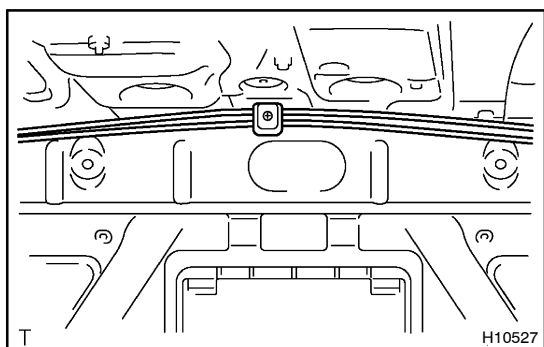
- (a) Remove the high-mounted stop light as shown in the illustration.
- (b) Disconnect the connector.

**14. REMOVE PACKAGE TRAY TRIM PANEL**

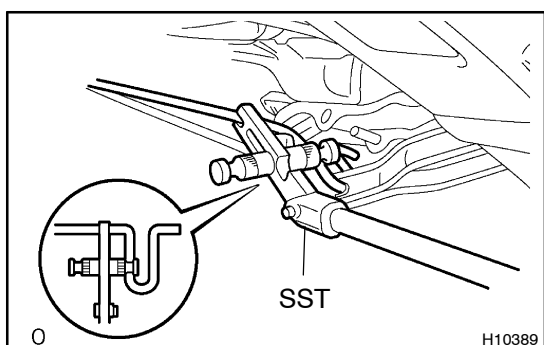
- (a) Pull the package tray trim panel upward to disengage the clips.
- (b) Remove the rear seat outer belts through the cutout on the package tray trim.
- (c) Pull the package tray trim panel forward to remove it.

15. REMOVE ROOM PARTITION TRIM PAD

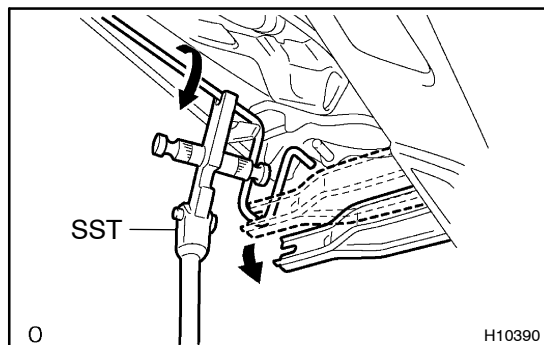
Remove the 2 clips and room partition trim pad.

**16. REMOVE TORSION BAR**

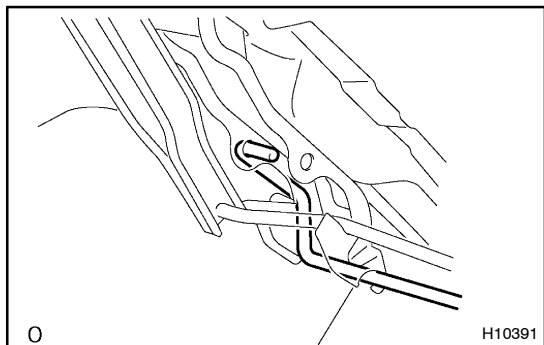
- (a) Remove the torsion bars from the center bracket.



- (b) Install SST to the torsion bar on the hinge side.
SST 09804-24010



- (c) Push down on SST, and pull the luggage compartment door hinge from the torsion bar.
- (d) Slowly lift SST, and remove the torsion bar from the torsion bar bracket with SST.

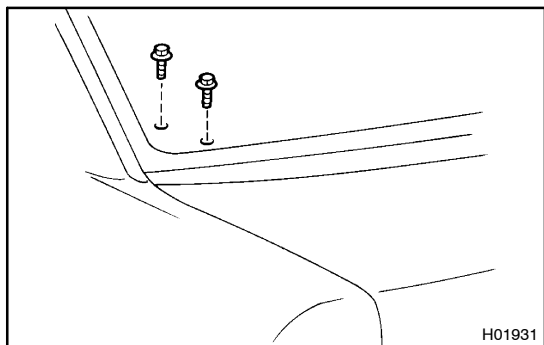


- (e) Disconnect the torsion bar from the bracket.
- (f) Employ the same manner described above to the other side.

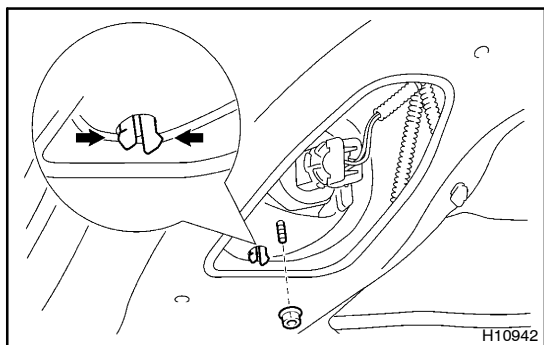
HINT:

Check the color of marks on the torsion bar when replacing or installing the torsion bar.

Side	Color
RH	Yellow
LH	Pink

**17. REMOVE LUGGAGE COMPARTMENT DOOR HINGE**

- (a) Remove the 2 bolts.
- (b) Remove the hinge.
Torque: 5.5 N·m (56 kgf·cm, 49 in.·lbf)
- (c) Employ the same manner described above to the other side.



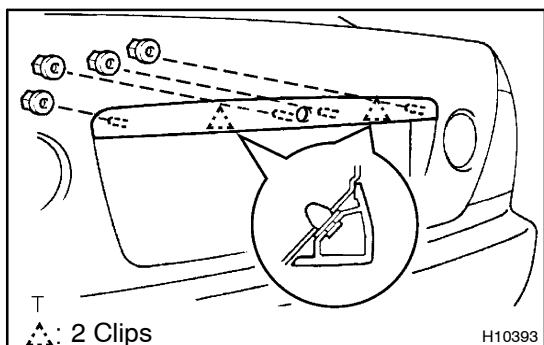
DISASSEMBLY

1. REMOVE REAR LIGHT

- (a) Remove the nut.
- (b) Disengage the clip.
- (c) Disconnect the connector, then remove the rear light.
- (d) Employ the same manner described above to the other side.

2. REMOVE LUGGAGE COMPARTMENT DOOR OUTER GARNISH

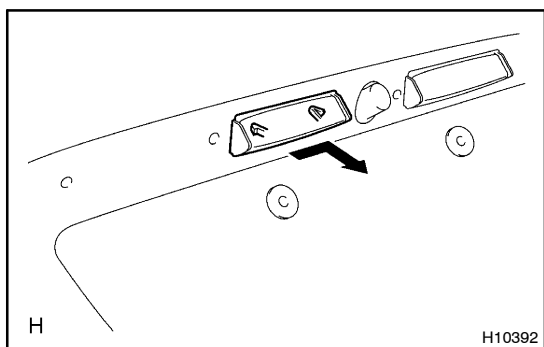
- (a) Disconnect the cable and link from the key cylinder.



- (b) Remove the 4 nuts and key cylinder.
- (c) Using a screwdriver, remove the luggage compartment door outer garnish.

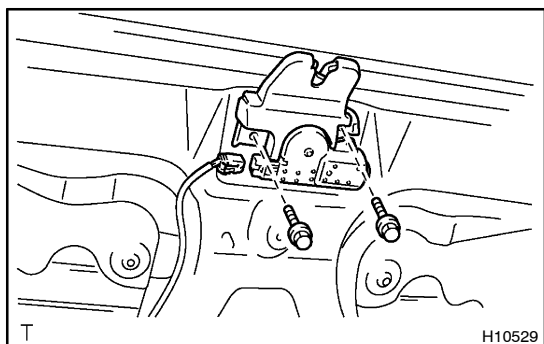
HINT:

Tape the screwdriver tip before use.



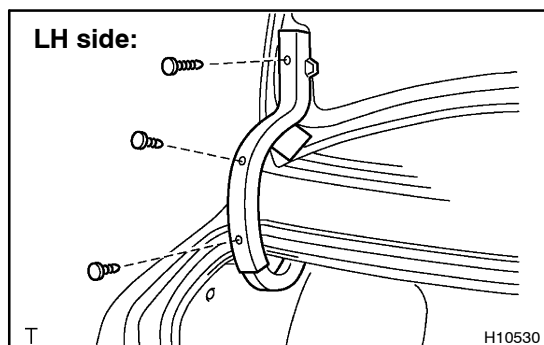
3. REMOVE LICENCE PLATE LIGHT

- (a) Disconnect the connector.
- (b) Remove the licence plate light as shown in the illustration.
- (c) Employ the same manner described above to the other side.



4. REMOVE LUGGAGE COMPARTMENT DOOR LOCK

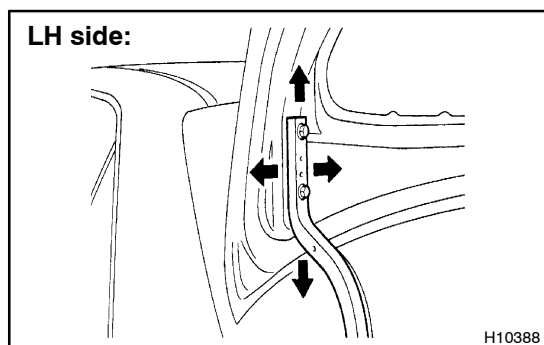
- (a) Disconnect the connector.
 - (b) Remove the 2 bolts and luggage compartment door lock.
- Torque: 5.5 N·m (56 kgf·cm, 49 in·lbf)**



ADJUSTMENT

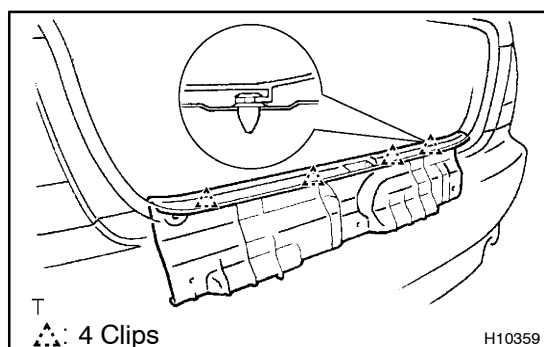
1. ADJUST LUGGAGE COMPARTMENT DOOR

- Remove the 3 clips.
- Open the cover and remove the hinge cover.
- Employ the same manner described above to the other side.



- For forward / rearward and left / right adjustments loosen the bolts.
- For vertical adjustment of front end of the door, increase or decrease the number of washers between the hinge and the door.

Torque: 7.0 N·m (71 kgf·cm, 62 in.·lbf)

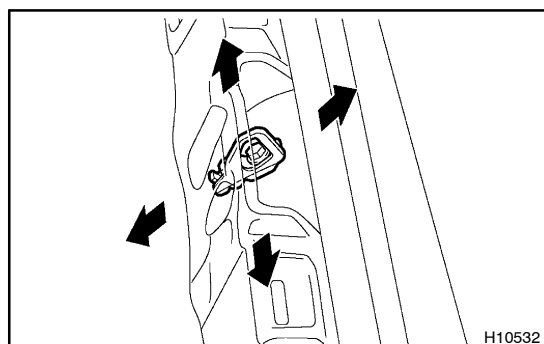


2. ADJUST DOOR LOCK STRIKER

- Using a clip remover, remove the 5 clips.
- Using a screwdriver, remove the rear floor finish plate.

HINT:

Tape the screwdriver tip before use.



- Using a hammer and brass bar, tap the striker to adjust it.
- Torque: 5.5 N·m (56 kgf·cm, 49 in.·lbf)**

REASSEMBLY

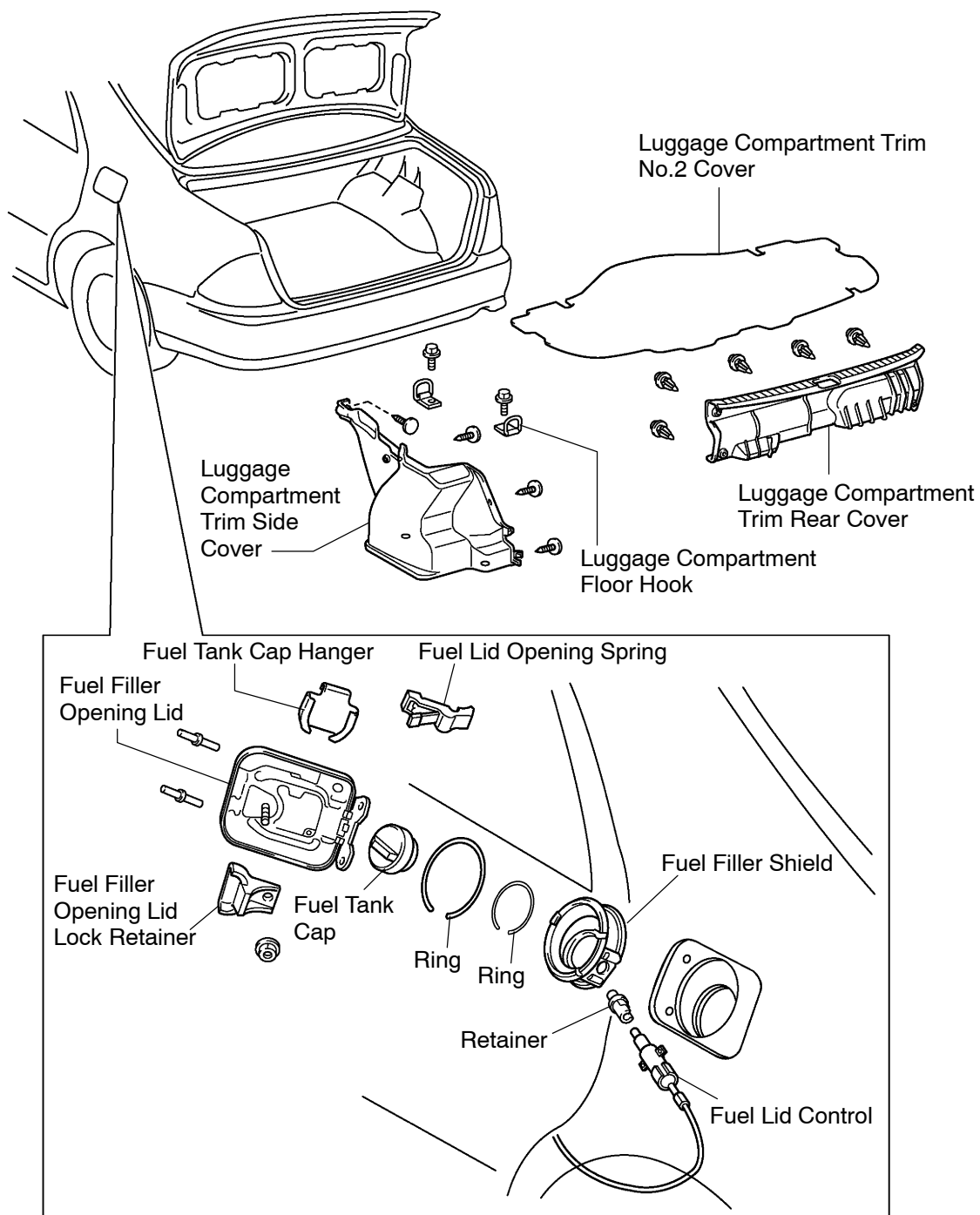
Reassembly is in the reverse order of disassembly (See page BO-45).

INSTALLATION

Installation is in the reverse order of removal (See [page BO-41](#)).

FUEL LID COMPONENTS

B00UU-04

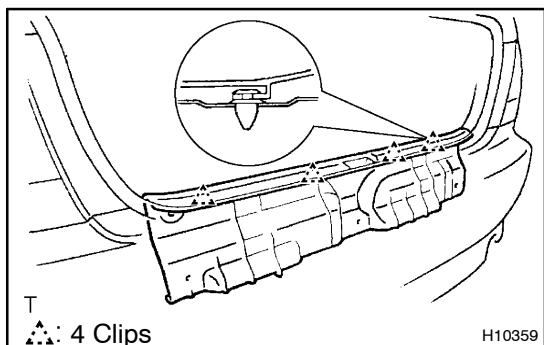


T

H10539

REMOVAL

1. REMOVE LUGGAGE COMPARTMENT TRIM NO.2 COVER



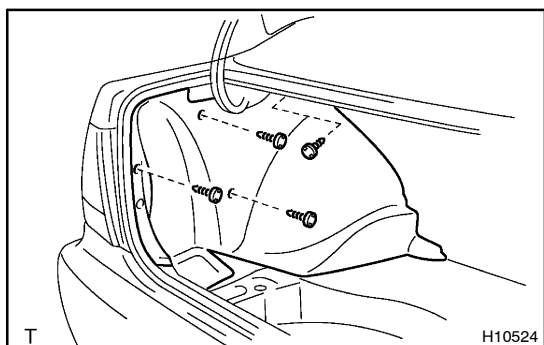
2. REMOVE LUGGAGE COMPARTMENT TRIM REAR COVER

- Using a clip remover, remove the 5 clips.
- Using a screw driver, remove the luggage compartment trim rear cover.

HINT:

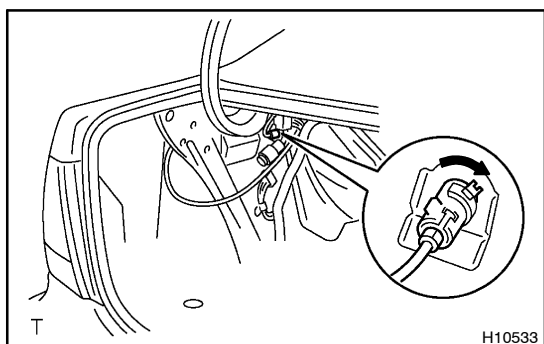
Tape the screwdriver tip before use.

3. REMOVE LUGGAGE COMPARTMENT FLOOR HOOKS



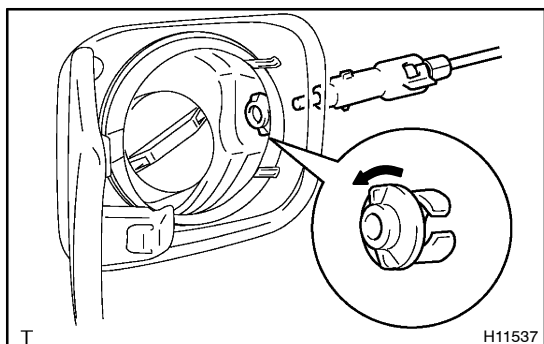
4. REMOVE LUGGAGE COMPARTMENT TRIM SIDE COVER LH

Remove the 4 clips and luggage compartment trim side cover LH.

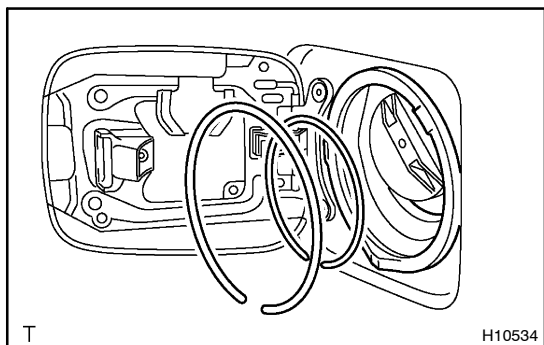


5. REMOVE FUEL LID LOCK CONTROL

- Rotate the fuel lid lock right to disengage the lock, then pull it out.



- Rotate the retainer left to disengage the lock, then pull it out.



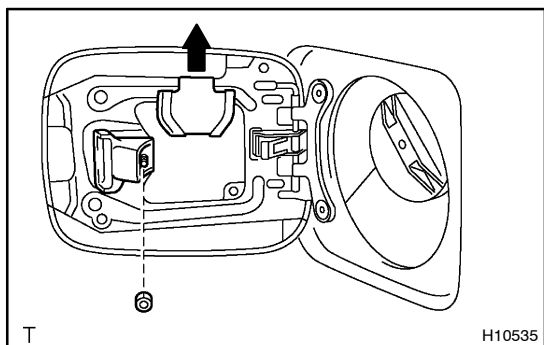
6. REMOVE FUEL FILLER SHIELD

- (a) Remove the 2 rings from the fuel filler shield.
- (b) Remove the fuel tank cap and shield.

CAUTION:

Always keep the tank cap closed when it is not required to be open. Keep all fire away during the operation.

- (c) Install the fuel tank cap quickly.

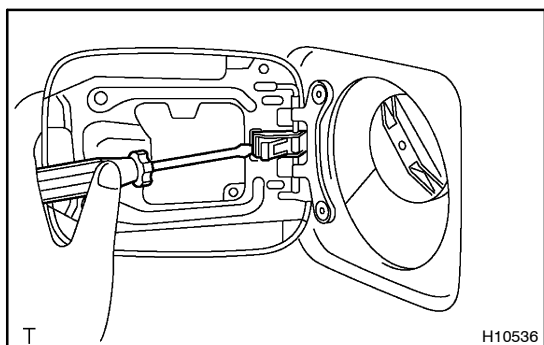


7. REMOVE FUEL TANK CAP HANGER

Pull up the fuel tank cap hanger to remove it.

8. REMOVE FUEL FILLER OPENING LID LOCK RETAINER

Remove the nut and fuel filler opening lid lock retainer.

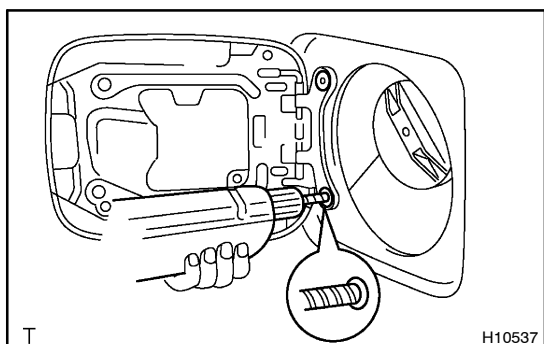


9. REMOVE FUEL LID OPENING SPRING

Insert a screwdriver between the spring and fuel filler opening lid to remove the spring as shown in the illustration.

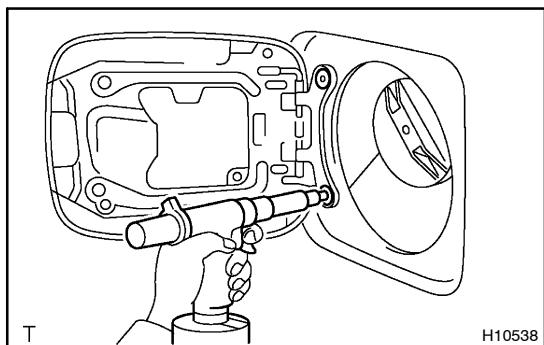
HINT:

Tape the screwdriver tip before use.



10. REMOVE FUEL FILLER OPENING LID

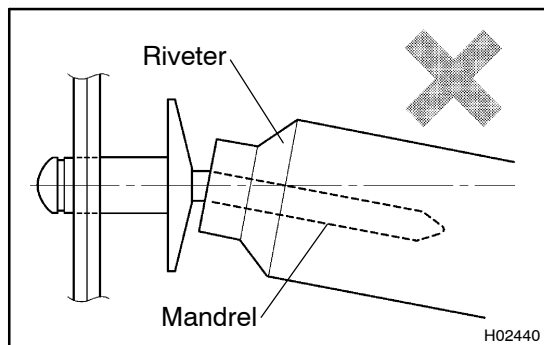
- (a) Using a drill, drill out the rivet heads.
- (b) Remove the fuel filler opening lid.



INSTALLATION

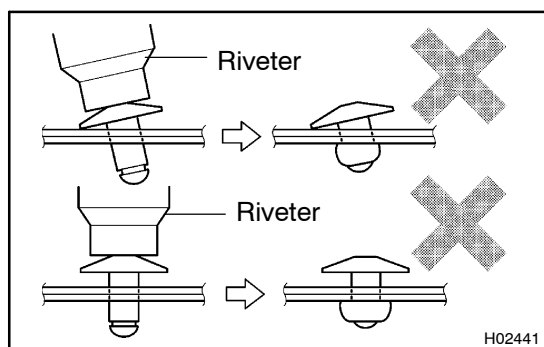
1. INSTALL FUEL FILLER OPENING LID

Using a riveter, install the fuel filler opening lid with the 2 rivets to the body.

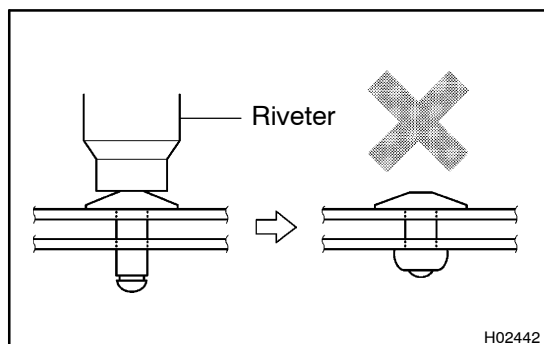


NOTICE:

- Do not prize a riveter, as riveter is damaged, it is not tightened and the mandrel is bent.

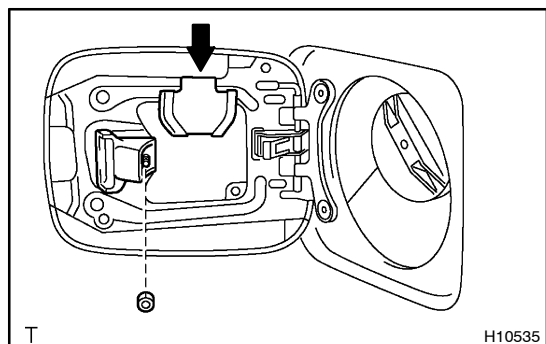


- Do not tilt the riveter and disconnect the rivet from the material while handling a riveter, as the materials are not tightened firmly.



- Install the rivet while attaching materials, as they are not tightened firmly.

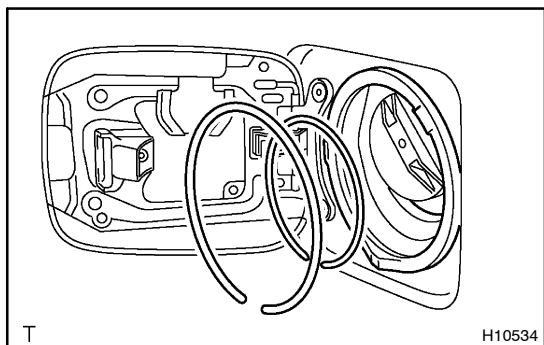
2. INSTALL FUEL FILLER OPENING SPRING



3. INSTALL FUEL FILLER OPENING LID LOCK RETAINER

Install the fuel filler opening lid lock retainer with the nut.

4. INSTALL FUEL TANK CAP HANGER



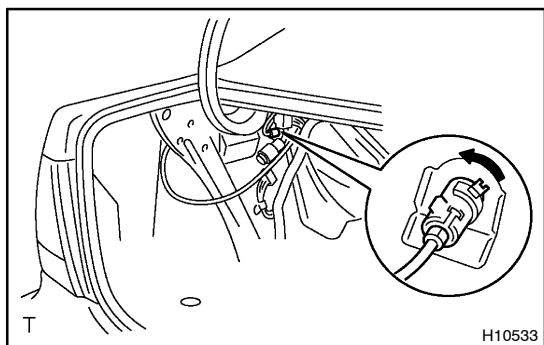
5. INSTALL FUEL FILLER SHIELD

- Remove the fuel tank cap.
- Install the fuel filler shield to the body.
- Install the fuel tank cap quickly.

CAUTION:

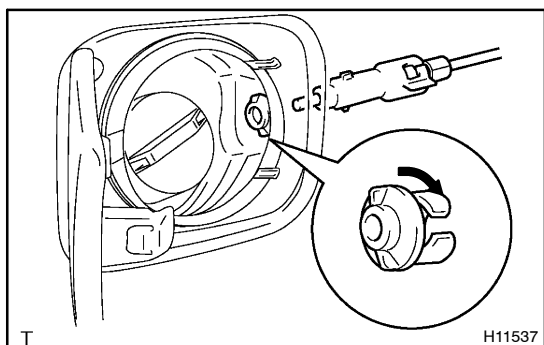
Always keep the tank cap closed when it is not required to be open. Keep all fire away during the operation.

- Install the 2 rings to the fuel filler shield as shown in the illustration.

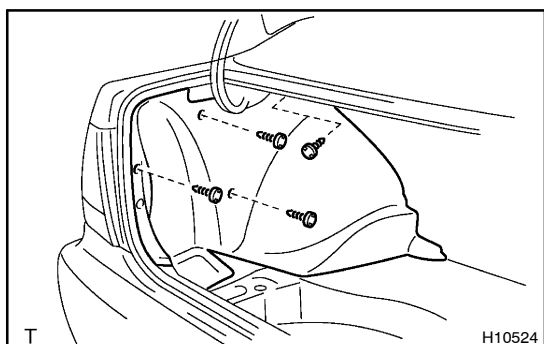


6. INSTALL FUEL LID LOCK CONTROL

- Install the retainer to the body from the outside of the vehicle and rotate it right to lock.



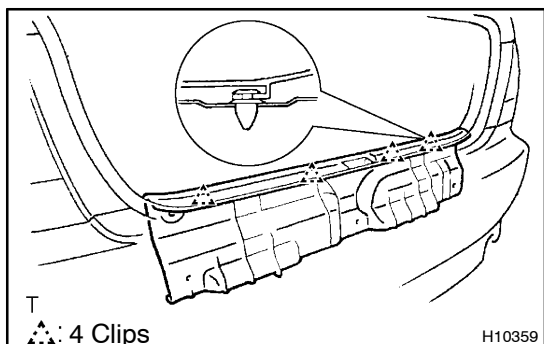
- Insert the fuel lid lock control to the retainer and rotate it left to lock.



7. INSTALL LUGGAGE COMPARTMENT TRIM SIDE COVER LH

Install the luggage compartment trim side cover LH with the 3 clips.

8. INSTALL LUGGAGE COMPARTMENT FLOOR HOOKS



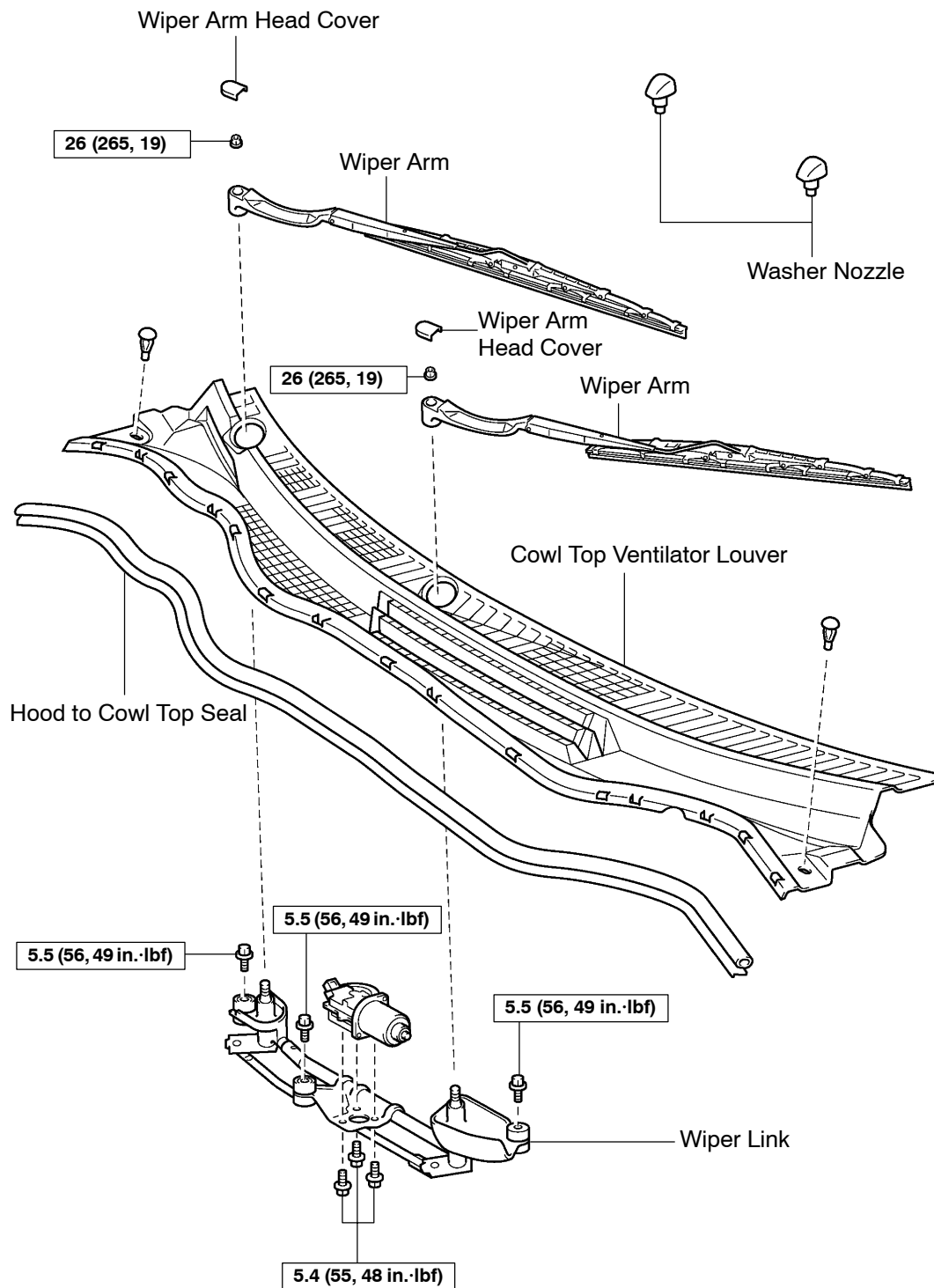
9. INSTALL LUGGAGE COMPARTMENT TRIM REAR COVER

Install the luggage compartment trim rear cover with the 5 clips.

10. INSTALL LUGGAGE COMPARTMENT TRIM NO.2 COVER

FRONT WIPER AND WASHER COMPONENTS

B00UX-04



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

H10396

REMOVAL

1. REMOVE WIPER ARMS

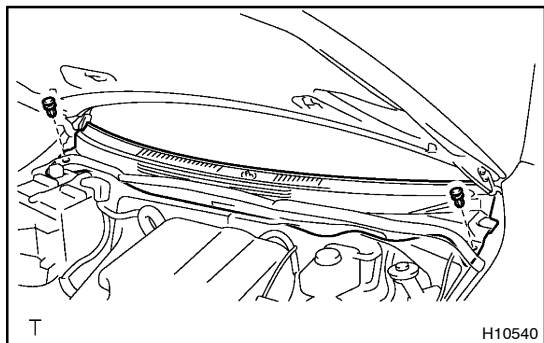
- (a) Using a screwdriver, remove the wiper arm head covers.

HINT:

Tape the screwdriver tip before use.

- (b) Remove the 2 nuts and 2 wiper arms.

2. REMOVE HOOD TO COWL TOP SEAL



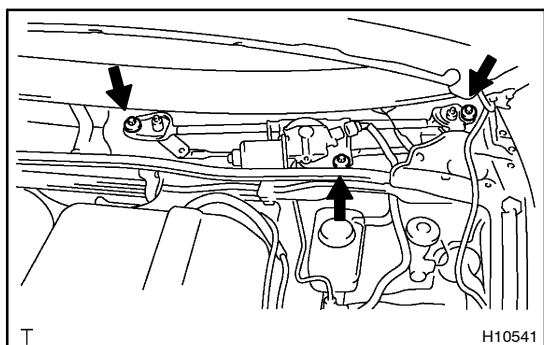
3. REMOVE COWL TOP VENTILATOR LOUVER

- (a) Remove the 2 clips

- (b) Using a screwdriver, remove the cowl top ventilator louver.

HINT:

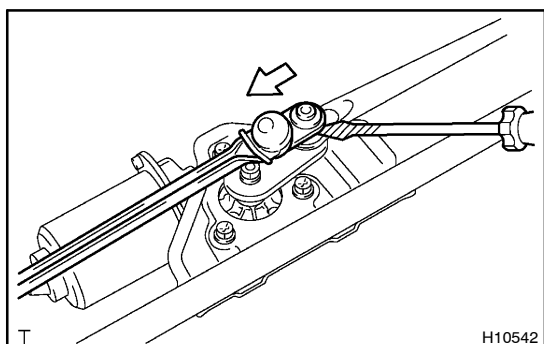
Tape the screwdriver tip before use.



4. REMOVE WIPER LINK ASSEMBLY

- (a) Disconnect the connector.

- (b) Remove the 3 bolts and wiper link assembly.

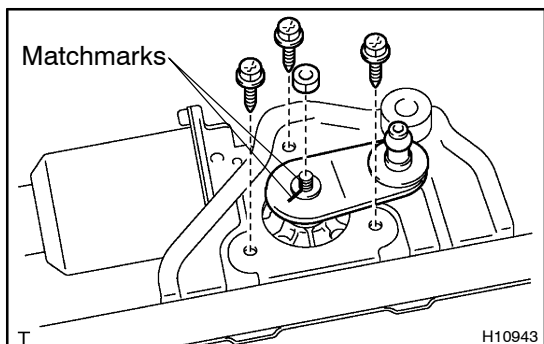


5. REMOVE WIPER MOTOR

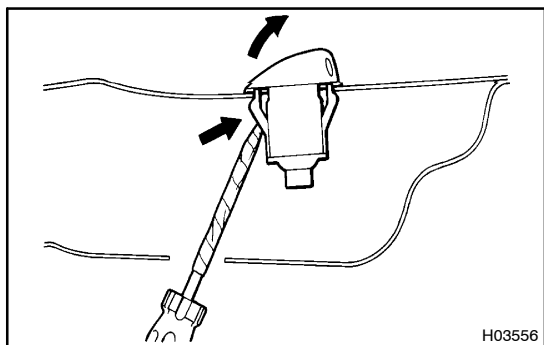
- (a) Using a screwdriver, disconnect the wiper link from the motor.

HINT:

Tape the screwdriver tip before use.



- (b) Remove the nut.
- (c) Place the matchmarks on the wiper link and motor.
- (d) Remove the 3 screws and wiper motor from the wiper link.

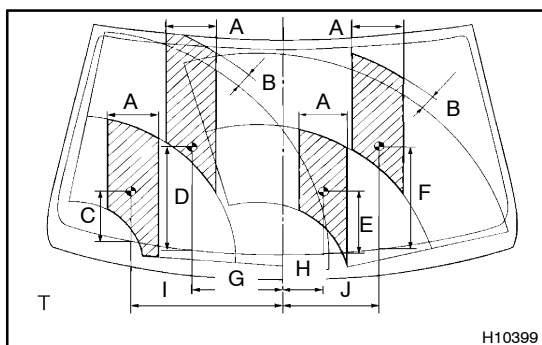
**6. REMOVE WASHER NOZZLE**

- (a) Remove the hood insulator.
- (b) Disconnect the washer hose.
- (c) Using a screwdriver, remove the washer nozzle.

HINT:

Tape the screwdriver tip before use.

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



INSPECTION

INSPECT WASHER NOZZLE

While operating the washer check whether 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. 178 mm (7.01 in.)

D: Approx. 318 mm (12.52 in.)

E: Approx. 175 mm (6.89 in.)

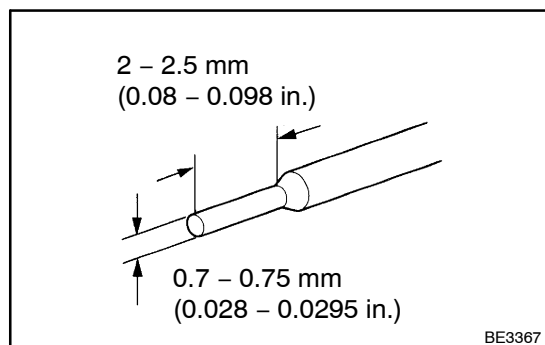
F: Approx. 319 mm (12.56 in.)

G: Approx. 270 mm (10.63 in.)

H: Approx. 122 mm (4.80 in.)

I: Approx. 441 mm (17.36 in.)

J: Approx. 277 mm (10.91 in.)



ADJUSTMENT

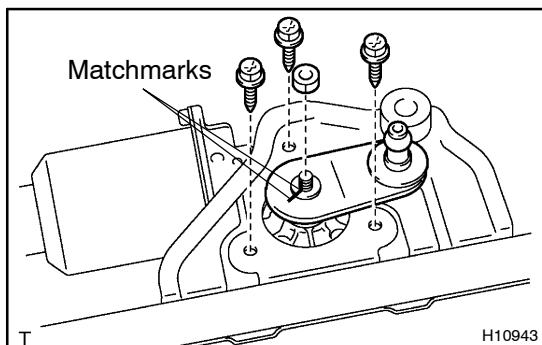
ADJUST WASHER NOZZLE

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

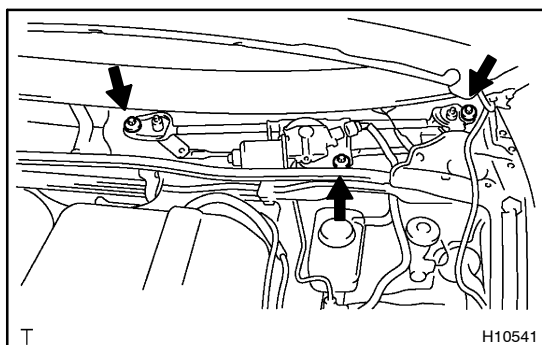
1. INSTALL WASHER NOZZLES

- (a) Install the washer nozzles, then connect the washer hoses.
- (b) Install the hood insulator.



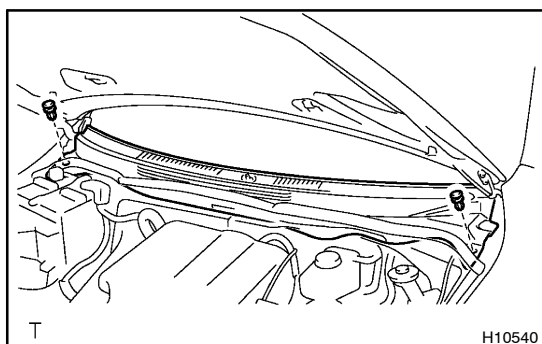
2. INSTALL WIPER MOTOR

- (a) Install the wiper motor with the 3 bolts to the wiper link.
Torque: 5.4 N·m (55 kgf·cm, 48 in.·lbf)
- (b) Align the matchmakers on the wiper link and wiper motor, then install the nut.
Torque: 5.5 N·m (56 kgf·cm, 49 in.·lbf)
- (c) Connect the wiper link to the wiper motor.



3. INSTALL WIPER LINK ASSEMBLY

- (a) Install the wiper link assembly and fasten the 5 bolts.
Torque: 5.5 N·m (56 kgf·cm, 49 in.·lbf)
- (b) Connect the connector.



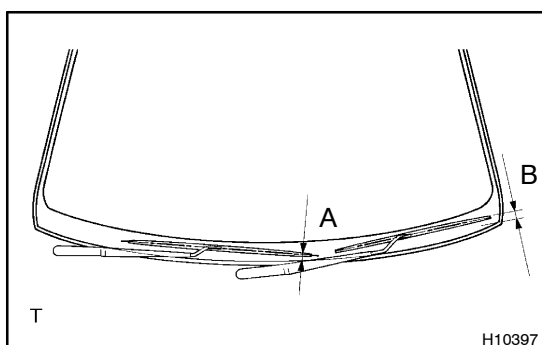
4. INSTALL COWL TOP VENTILATOR LOUVER

Install the cowl top ventilator louver with the 2 clips.

5. INSTALL HOOD TO COWL TOP SEAL

6. INSTALL WIPER ARMS

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



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

A: 20.0 mm (0.787 in.)

B: Europe: 25.0 mm (0.984 in.)

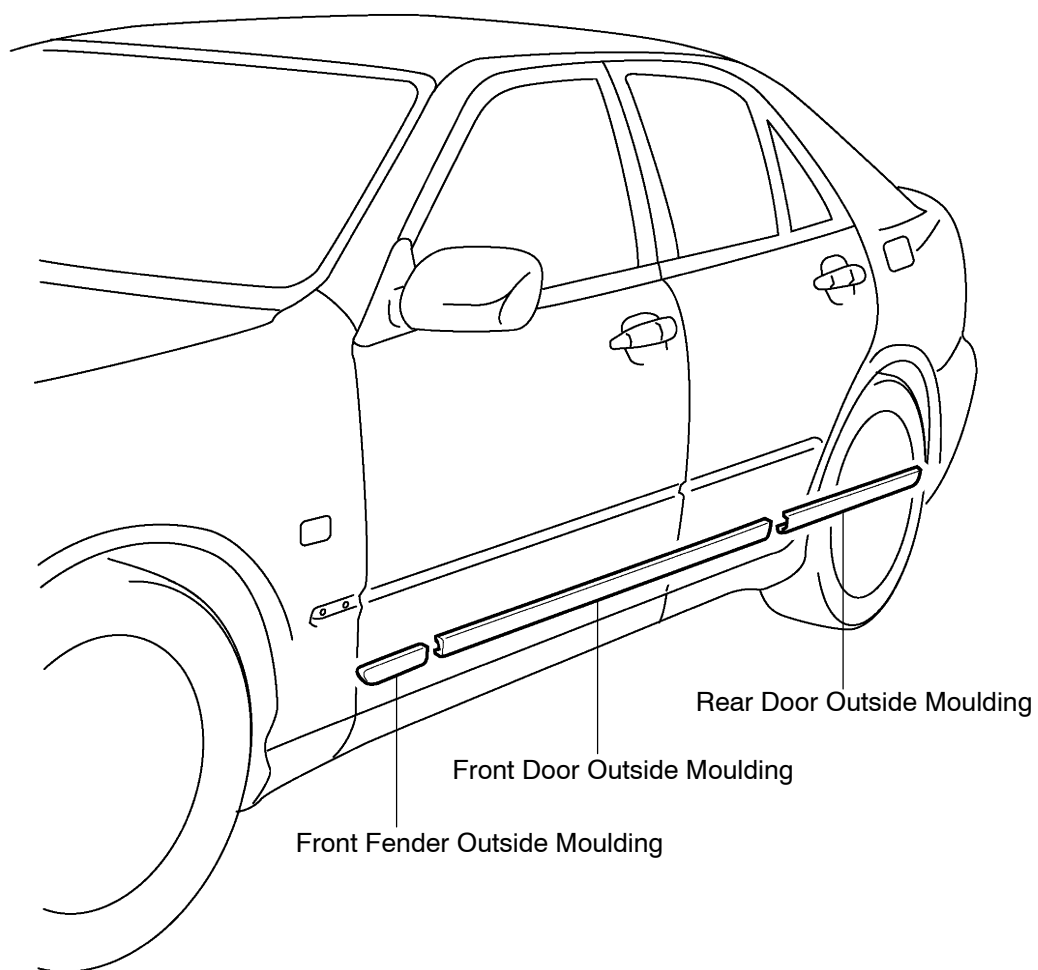
Australia: 28.0 mm (1.102 in.)

- (d) Torque the nuts.

Torque: 26 N·m (265 kgf·cm, 19 ft·lbf)

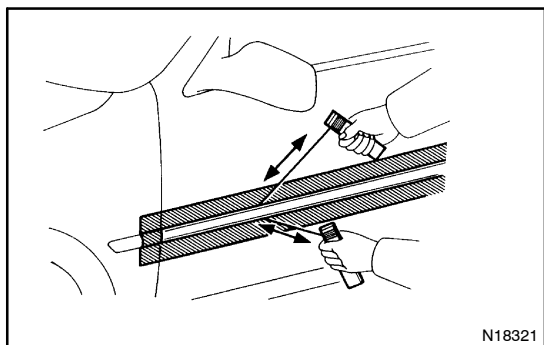
BODY OUTSIDE MOULDING COMPONENTS

B0229-02



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H10543



REMOVAL

1. HEAT MOULDING

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

NOTICE:

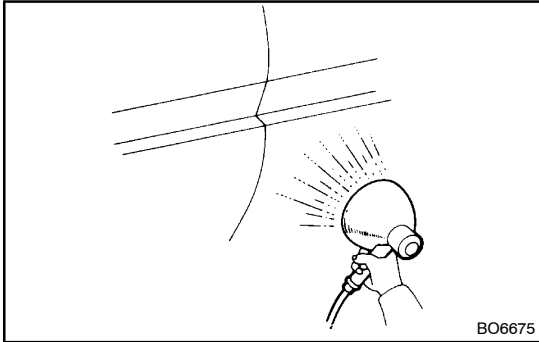
Do not heat the moulding excessively.

2. REMOVE MOULDING

- (a) Tie both piano wire ends to wooden blocks or similar objects.
- (b) Cut the adhesive tape by pulling the piano wire as shown in the illustration.

NOTICE:

- **If reusing the moulding, take care not to damage the moulding.**
 - **Do not damage the body.**
- (c) Remove the moulding.



INSTALLATION

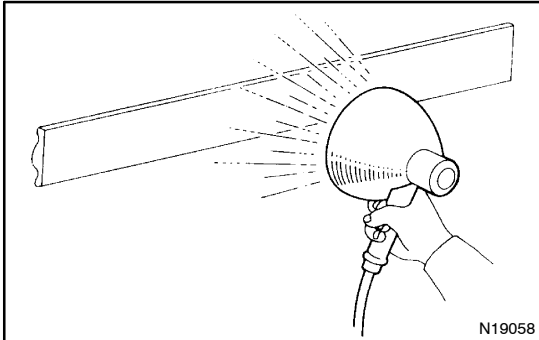
1. CLEAN BODY MOUNTING SURFACE

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

NOTICE:

Do not heat the body excessively.

- Remove the adhesive tape from the body.
- Wipe off stains with cleaner.



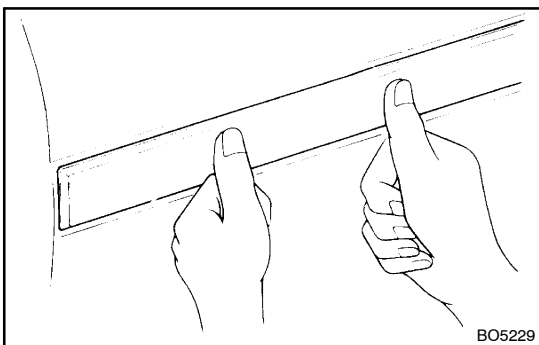
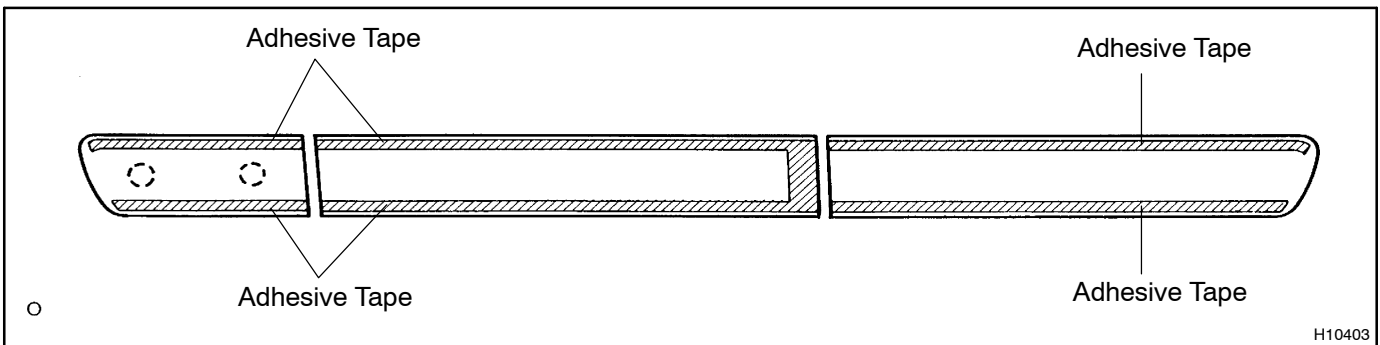
2. If reusing the moulding: CLEAN MOULDING

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

NOTICE:

Do not heat the moulding excessively.

- Remove the adhesive tape from the moulding.
- Wipe off stains with cleaner.
- Apply a new adhesive tape to the moulding as shown in the illustration.



3. INSTALL MOULDING

- 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.

- Lift the moulding release sheet from face of the moulding.

NOTICE:

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

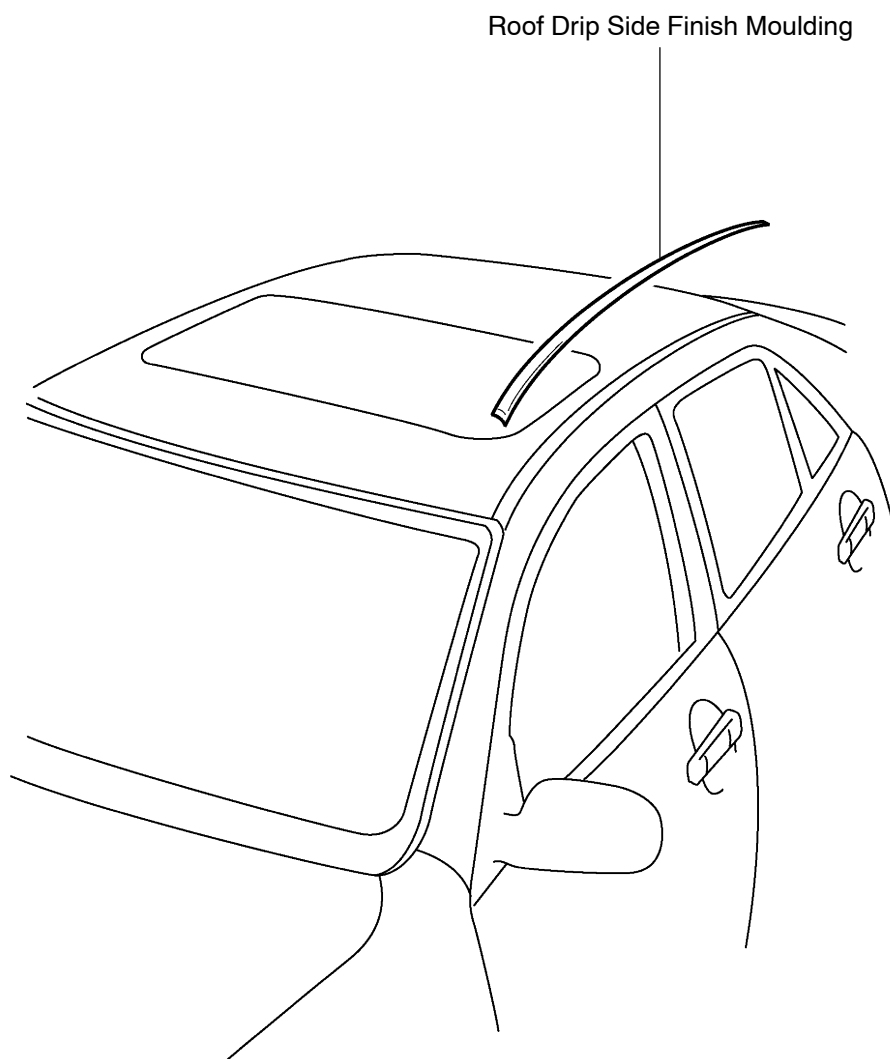
- Front fender outside moulding:
Align the bosses with their corresponding holes in the body, and press firmly on the moulding.

NOTICE:

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

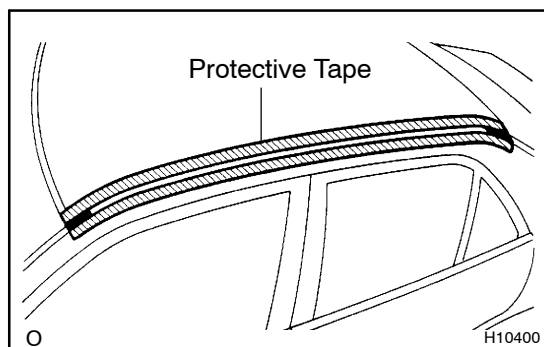
ROOF DRIP SIDE FINISH MOULDING COMPONENTS

B02CL-01



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H10544



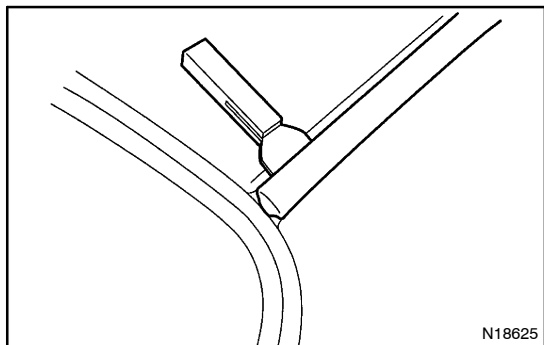
REMOVAL

1. REMOVE ENDS OF MOULDING

- (a) Apply protective tape to the outer surface as shown in the illustration to keep the surface from being scratched.
- (b) Using a heat light heat the moulding to 20 – 30 °C (68 – 86 °F).

NOTICE:

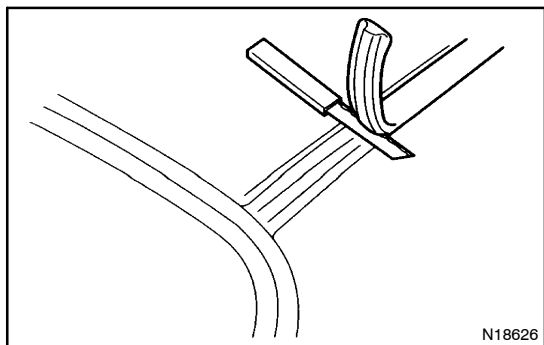
Do not heat the moulding excessively.



- (c) Using a scraper, pull off the roof drip side finish moulding from the front end and rear end.

HINT:

Tape the scraper tip before use.



2. REMOVE MOULDING AND ADHESIVE

- (a) Pull off the moulding by cutting the adhesive with a knife at the front and rear ends.
- (b) Remove the moulding.

NOTICE:

Do not damage the body with the knife.

INSTALLATION

1. CLEAN CONTRACT SURFACE OF BODY

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

NOTICE:

Do not heat the body excessively.

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

NOTICE:

Be careful not to damage the body.

- (c) Wipe off stains with cleaner.

2. If reusing the moulding:

CLEAN MOULDING

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

NOTICE:

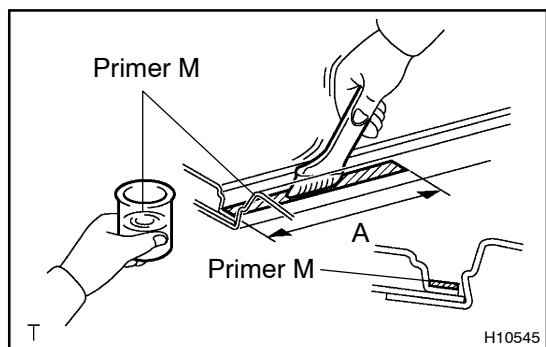
Do not heat the moulding excessively.

- (b) Using a knife, cut the remaining adhesive from the moulding.

NOTICE:

Be careful not to damage the moulding.

- (c) Wipe off stains with cleaner.



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

Using a brush, coat the contact surface on the body with Primer M as shown in the illustration.

Front end:

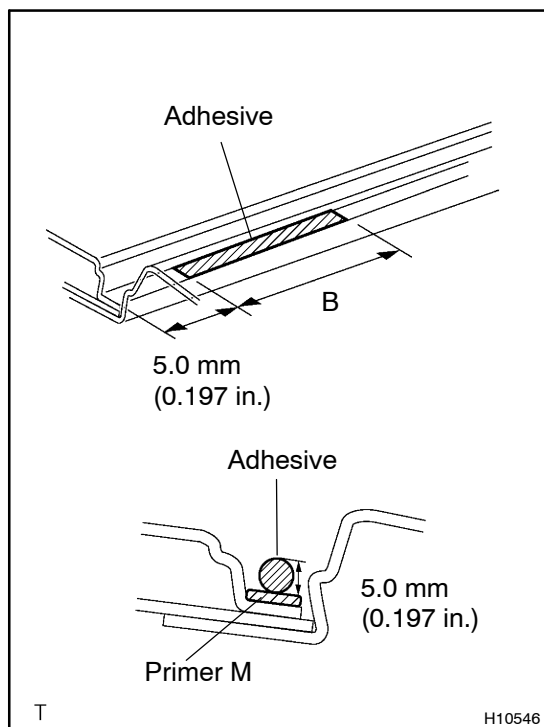
A: 40 mm (1.57 in.)

Rear end:

A: 35 mm (1.38 in.)

NOTICE:

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



4. 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 chart 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) Apply adhesive to the hatched area in the illustration for both front and rear of the vehicle.

Front end:

B: 30 mm (1.18 in.)

Rear end:

B: 25 mm (0.98 in.)

HINT:

When removing the moulding, apply adhesive well to the part where the body sealer is removed.

5. INSTALL MOULDING

Push the moulding to the body.

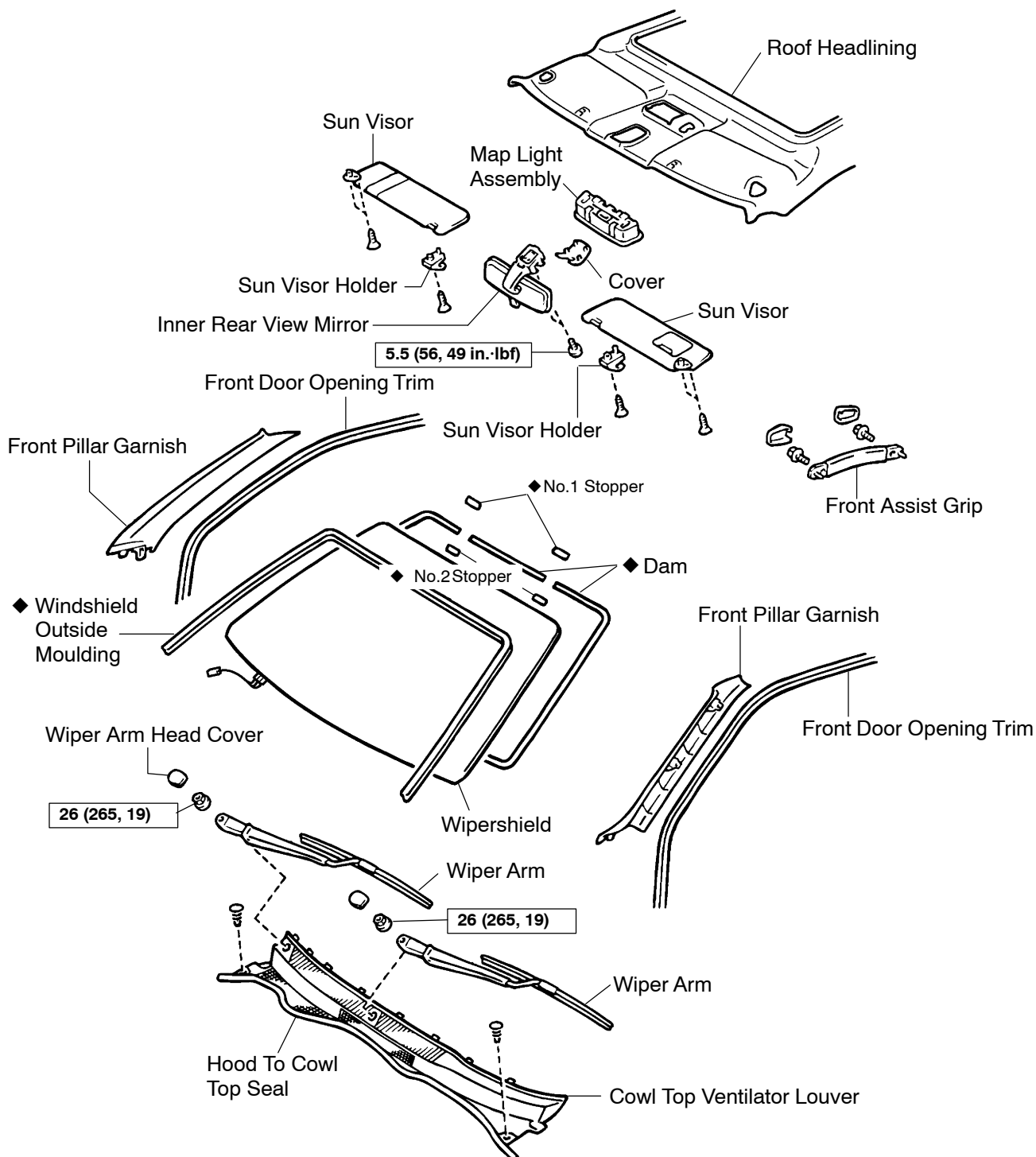
NOTICE:

- **Make sure that the body and moulding are heated to the proper temperature.**
- **Do not depress the adhesive coated parts excessively but just hold them down with your thumb.**
- **Scrape off any overflowing adhesive with a plastic spatula and clean the surface with a dry rag.**
- **Take care not to drive the vehicle during the time described in the chart 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

WINDSHIELD COMPONENTS

BO22F-02



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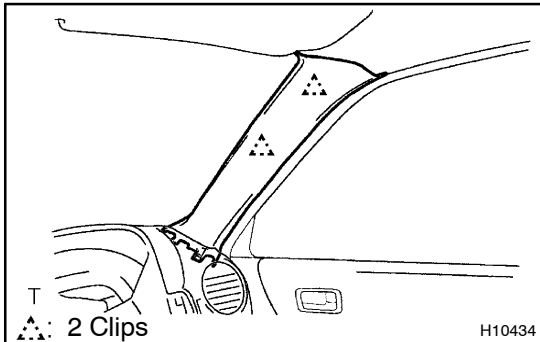
N·m (kgf·cm, ft·lbf) : Specified torque

◆ Non-reusable part

H10405

REMOVAL

1. REMOVE FRONT PART OF FRONT DOOR OPENING TRIMS



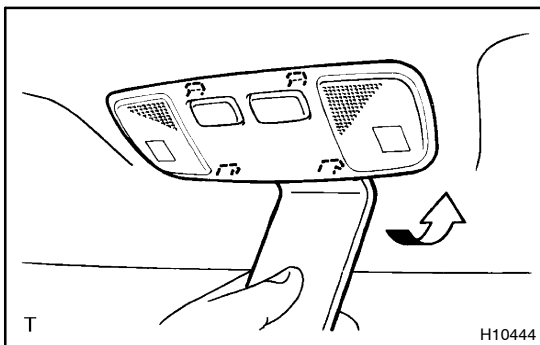
2. REMOVE FRONT PILLAR GARNISH

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

HINT:

Tape the screwdriver tip before use.

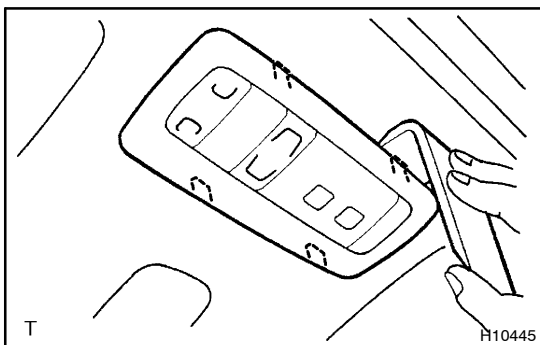
- (b) Employ the same manner described above to the other side.



3. w/o Sliding roof:

REMOVE MAP LIGHT ASSEMBLY

- (a) Using a moulding remover, remove the lens.
(b) Remove the 2 screws and map light assembly, then disconnect the connectors.



4. w/ Sliding roof:

REMOVE MAP LIGHT ASSEMBLY

- (a) Using a moulding remover, remove the cover.
(b) Remove the 2 screws and map light assembly.
(c) Disconnect the connectors.

5. REMOVE SUN VISORS

- (a) Remove the 2 screws and sun visor, then disconnect the connector.
(b) Employ the same manner described above to the other side.

6. REMOVE SUN VISOR HOLDERS

Remove the 2 screws and 2 sun visor holders.

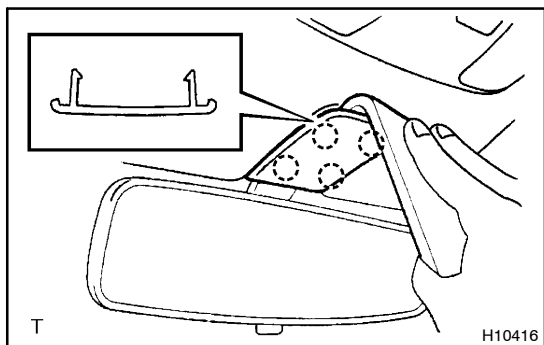
7. REMOVE FRONT ASSIST GRIP

- (a) Using a screwdriver, remove the caps.

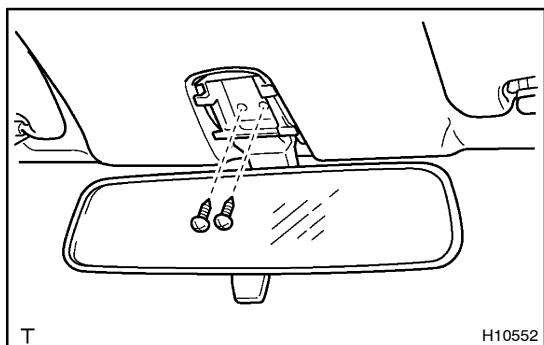
HINT:

Tape the screwdriver tip before use.

- (b) Remove the 2 bolts and assist grip.

**8. REMOVE INNER REAR VIEW MIRROR**

- (a) Using a moulding remover, remove the cover as shown in the illustration.



- (b) Remove the 2 screws and inner rear view mirror.

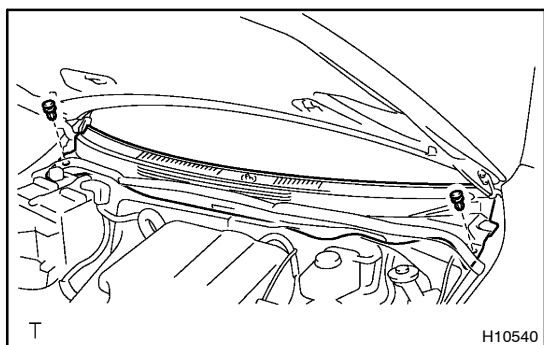
9. REMOVE WIPER ARMS

- (a) Using a screwdriver, remove the 2 wiper arm head covers.

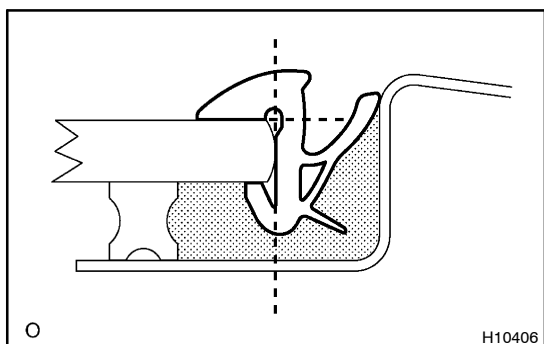
HINT:

Tape the screwdriver tip before use.

- (b) Remove the 2 nuts and 2 wiper arms.

**10. REMOVE COWL TOP VENTILATOR LOUVER**

- (a) Remove the hood to cowl top seal.
(b) Remove the 2 clips and cowl top ventilator louver.

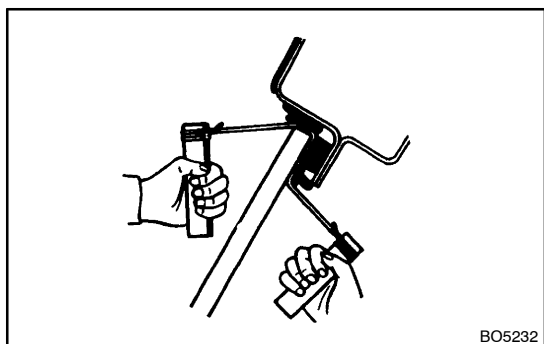
11. PULL DOWN FRONT PART OF ROOF HEADLINING**12. REMOVE WINDSHIELD OUTSIDE MOULDING**

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

NOTICE:

Do not damage the body with the knife.

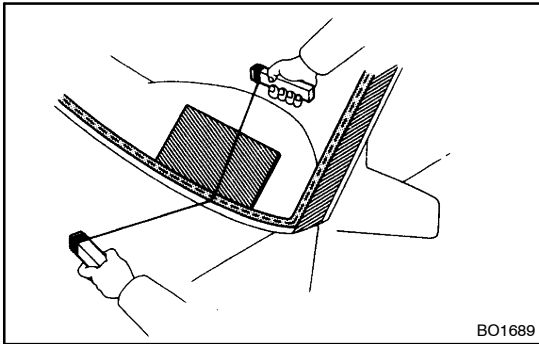
- (b) Remove the remaining moulding.

**13. REMOVE WINDSHIELD GLASS**

- (a) Push piano wire through between the body and glass from the interior.
(b) Tie both wire ends to wooden blocks or similar objects.
(c) w/ Front window defogger:
Disconnect the connector.

NOTICE:

Be careful not to damage the wire harness.



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

NOTICE:

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

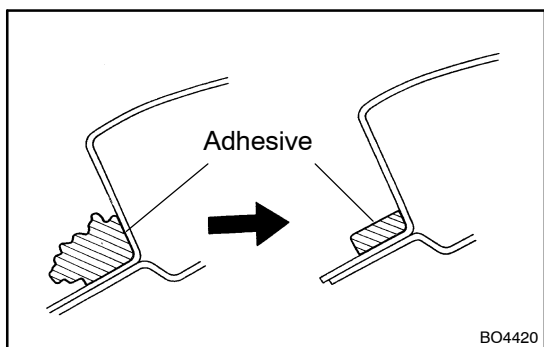
HINT:

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

(e) 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.

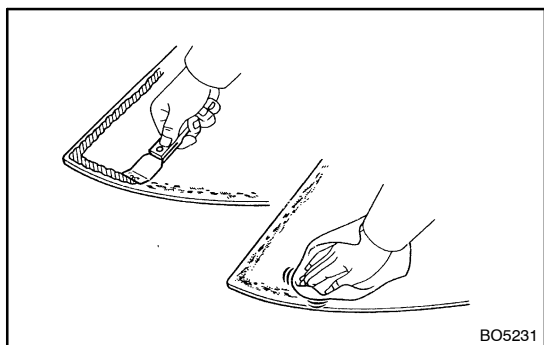
HINT:

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

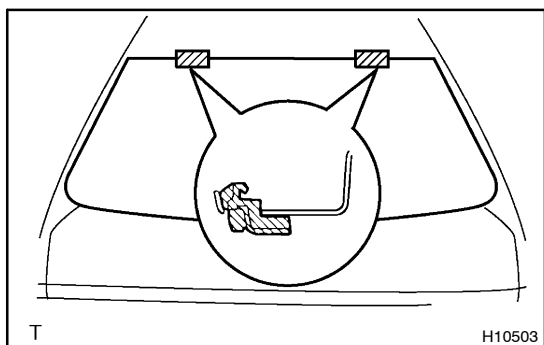
- (a) Remove the damaged No.2 stoppers and dams.

- (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 face after cleaning it.**



3. REPLACE NO.1 STOPPERS

- (a) Remove the damaged stoppers.

- (b) Cut off the old adhesive around the stoppers installation area.

NOTICE:

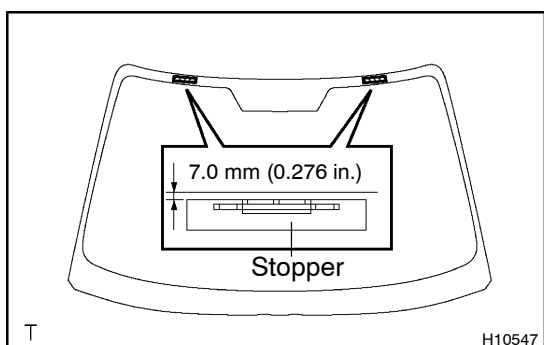
Be careful not to damage the body.

- (c) Clean the installation area.

- (d) Attach new stoppers to the body with the notches on the body aligned with the stoppers as shown in the illustration.

HINT:

Make sure that the stoppers are installed facing in the correct direction.

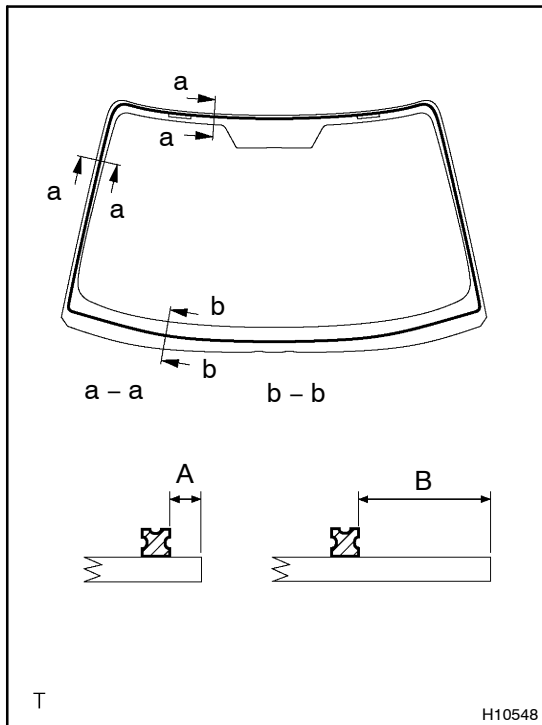


4. INSTALL NEW NO.2 STOPPERS

Attach new stoppers to the glass with the ceramic notches on the glass aligned with the stoppers as shown in the illustration.

HINT:

Make sure that the stoppers are installed facing in the correct direction.

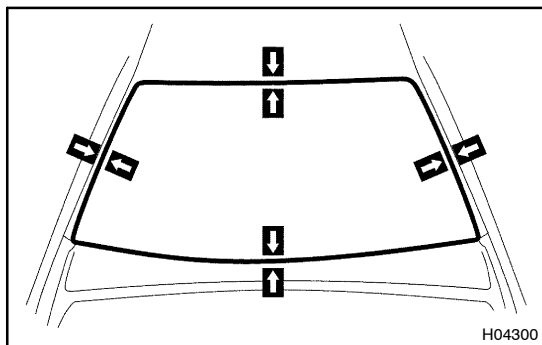


5. INSTALL NEW DAMS

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

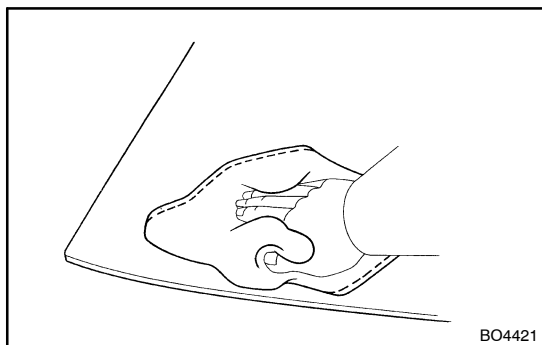
A: 7.0 mm (0.276 in.)

B: 35.9 mm (1.413 in.)



6. POSITION GLASS

- Place the glass in the correct position.
- Check that all contacting parts of the glass rim are perfectly even.
- Place reference marks between the glass and body.
- Remove the glass.

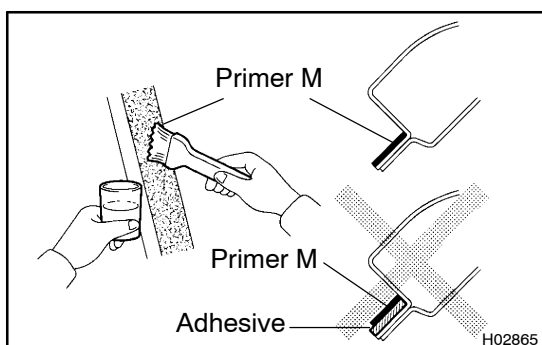


7. CLEAN CONTACT SURFACE OF GLASS

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.

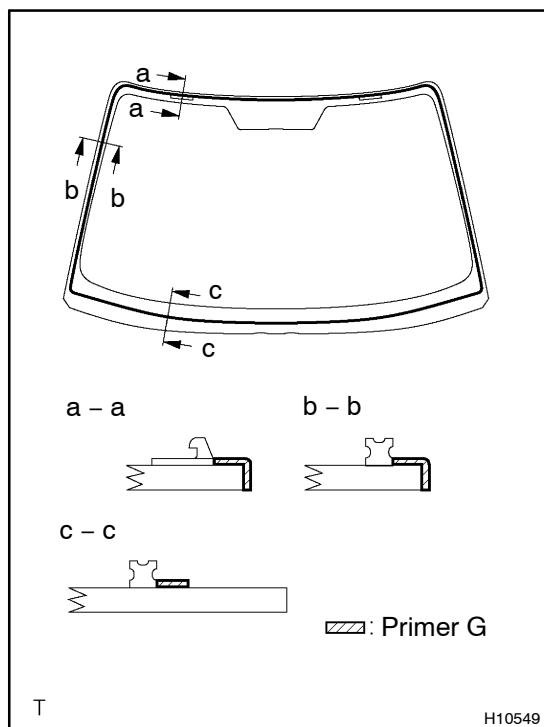


8. COAT CONTACT SURFACE OF BODY WITH PRIMER "M"

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.**

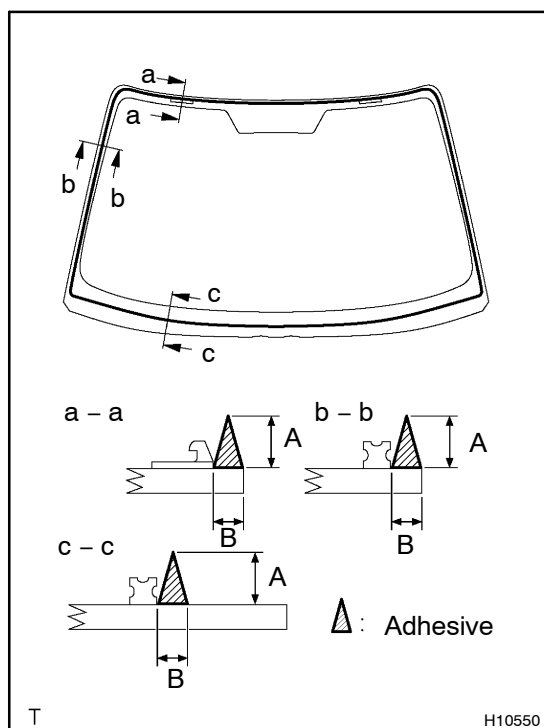


9. COAT CONTACT SURFACE OF GLASS WITH PRIMER "G"

- Using a brush or sponge, coat the edge of the glass and the contact surface with Primer G as shown in the illustration.
- When the primer is coated wrongly to the area other than the specified, wipe it off with a clean shop rag before the primer dries.

NOTICE:

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



10. APPLY ADHESIVE

- Cut off the tip of the cartridge nozzle.

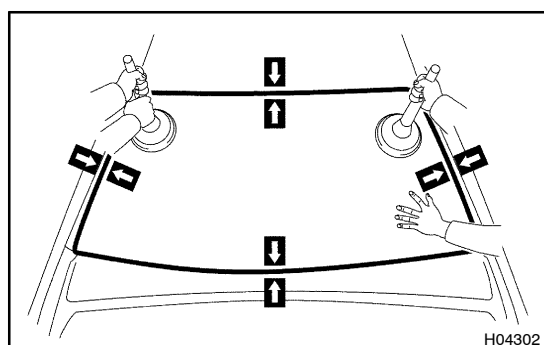
Part No. 08850-00801 or equivalent

HINT:

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

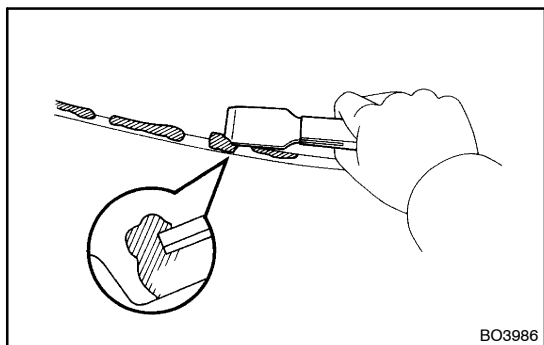
Temperature	Tackfree time
35 °C (95 °F)	15 minutes
20 °C (68 °F)	100 minutes
5 °C (41 °F)	8 hours

- Load the cartridge into the sealer gun.
 - Coat the glass with adhesive as shown in the illustration.
- A: 12.5 mm (0.492 in.)**
B: 8.0 mm (0.315 in.)

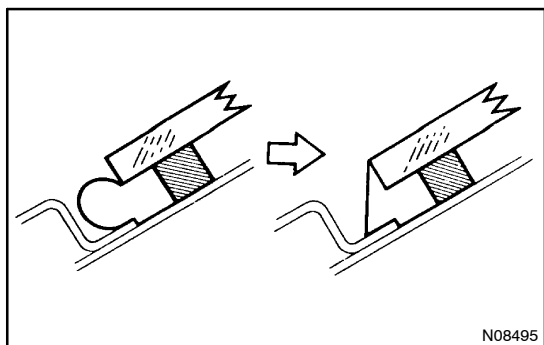


11. INSTALL GLASS

- Position the glass so that the reference marks are lined up, and press 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.



HINT:

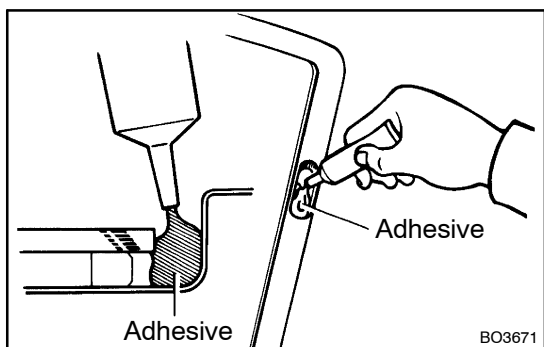
Confirm that the dam is attached to the body panel as shown in the illustration.

- (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.

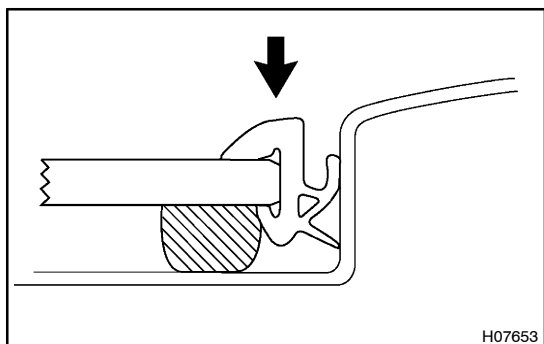
Temperature	Minimum time prior to driving the vehicle
35 °C (95 °F)	1.5 hours
20 °C (68 °F)	5 hours
5 °C (41 °F)	24 hours



12. APPLY ADHESIVE TO MOULDING INSTALLATION AREA

Apply adhesive to the moulding installation area between the glass and the body.

Part No. 08833-00030 or equivalent



13. INSTALL WINDSHIELD OUTSIDE MOULDING

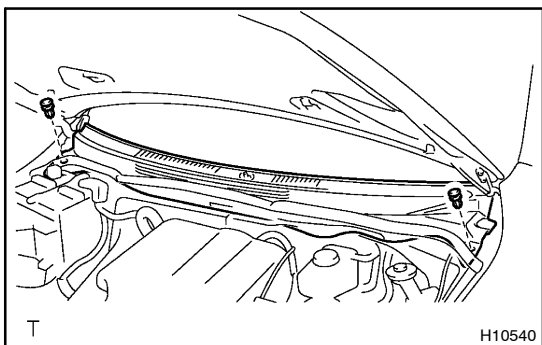
Place new moulding onto the body and tap it by hand.

14. INSPECT FOR LEAK AND REPAIR

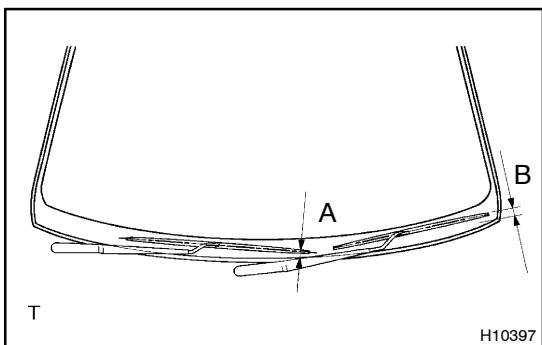
- (a) Conduct a leak test after the hardening time has elapsed.
(b) Seal any leak with sealant.

Part No. 08833-00030 or equivalent

15. INSTALL FRONT PART OF ROOF HEADLINING

**16. INSTALL COWL LOUVER**

- (a) Install the cowl louver with the 2 clips.
- (b) Install the hood to cowl top seal.

**17. INSTALL WIPER ARMS**

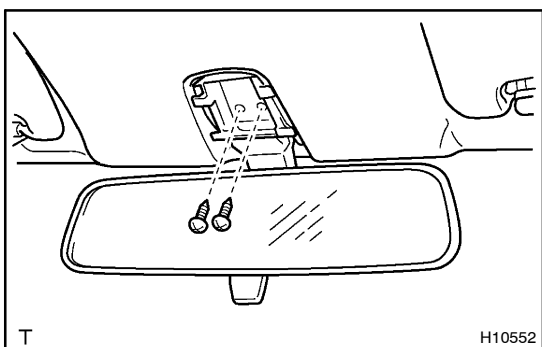
- (a) Operate the wipers once and turn the wiper switch OFF.
- (b) Install the wiper arms and tighten the nuts by hand.
- (c) Adjust the installation positions of the wiper arms to the positions as shown in the illustration.

A: 20.0 mm (0.787 in.)

B: Europe: 25.0 mm (0.984 in.)

Australia: 28.0 mm (1.102 in.)

- (d) Install the 2 wiper arms with the 2 nuts.
- Torque: 26 N·m (265 kgf·cm, 19 ft·lbf)**
- (e) Install the 2 wiper arm head covers.

**18. INSTALL INNER REAR VIEW MIRROR**

- (a) Install the inner rear view mirror with the 2 screws.
- Torque: 5.5 N·m (56 kgf·cm, 49 in·lbf)**
- (b) Install the cover.

19. INSTALL FRONT ASSIST GRIP

- (a) Install the assist grip with the 2 screws.
- (b) Install the caps.

20. INSTALL SUN VISOR HOLDERS

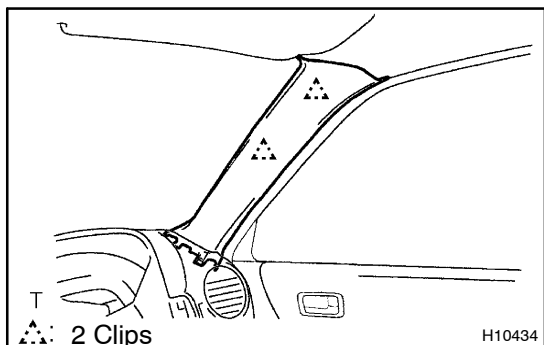
Install the sun visor holders with the 2 screws.

21. INSTALL SUN VISORS

Connect the connectors, then install the sun visors with the 4 screws.

22. INSTALL MAP LIGHT ASSEMBLY

- (a) Connect the connectors.
- (b) Install the map light assembly with the 2 screws.
- (c) w/o Sliding roof:
Install the lens.
- (d) w/ Sliding roof:
Install the cover.

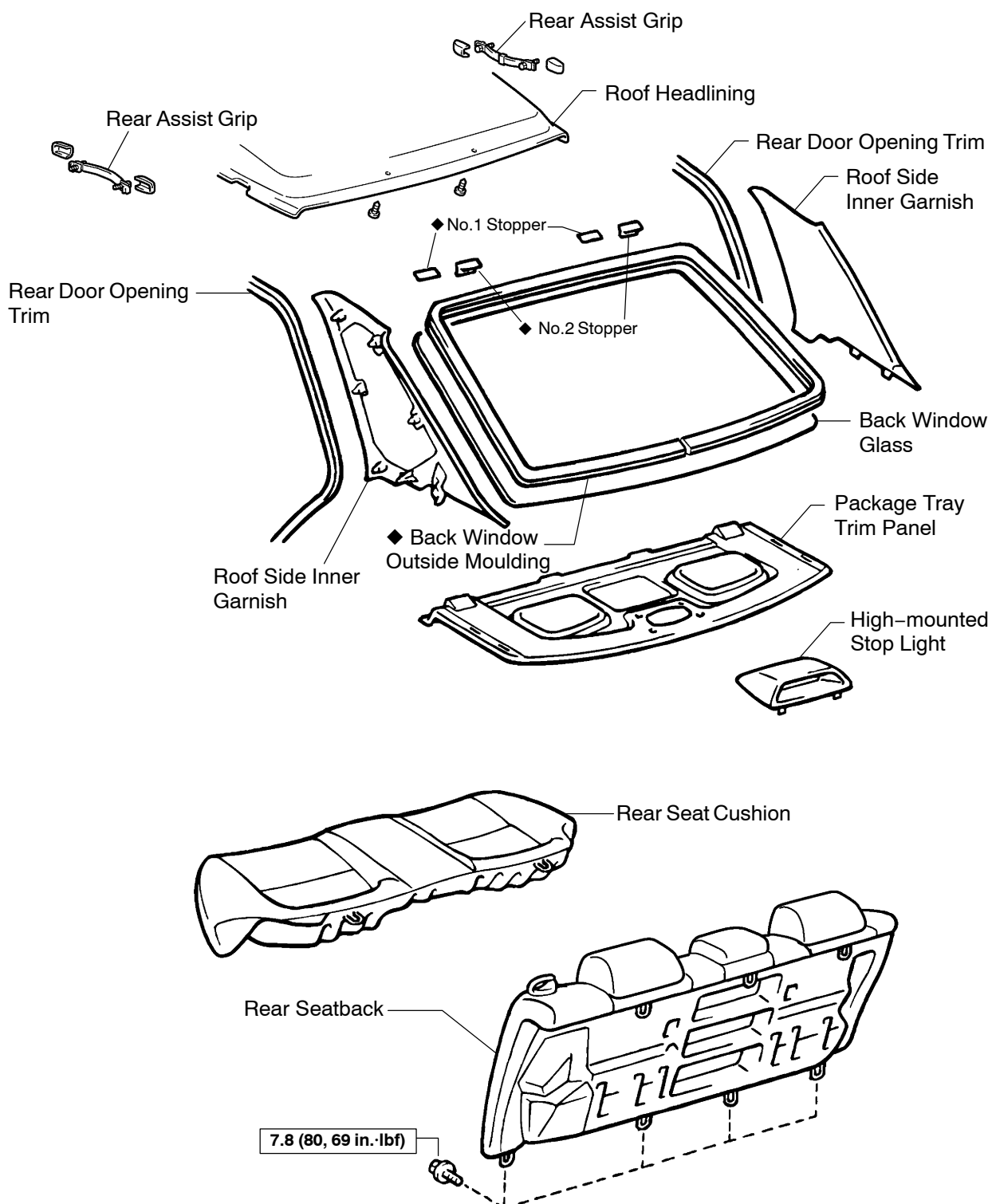
**23. INSTALL FRONT PILLAR GARNISH**

- (a) Install the front pillar garnish to the body.
- (b) Employ the same manner described above to the other side.

24. INSTALL FRONT PART OF FRONT DOOR OPENING TRIMS

BACK WINDOW GLASS COMPONENTS

B022L-02



T

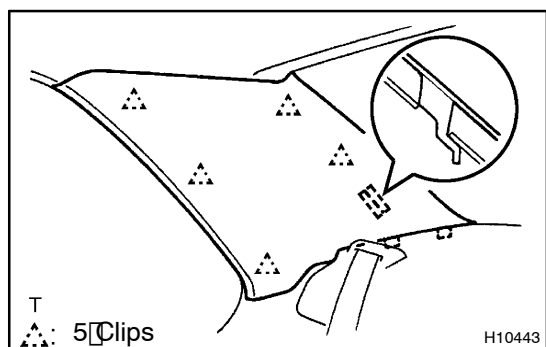
N·m (kgf·cm, ft·lbf) : Specified torque

◆ Non-reusable part

H10411

REMOVAL

1. REMOVE REAR SEAT CUSHION (See page BO-142)
2. REMOVE REAR SEAT BACK (See page BO-142)
3. REMOVE UPPER PART OF REAR DOOR OPENING TRIMS



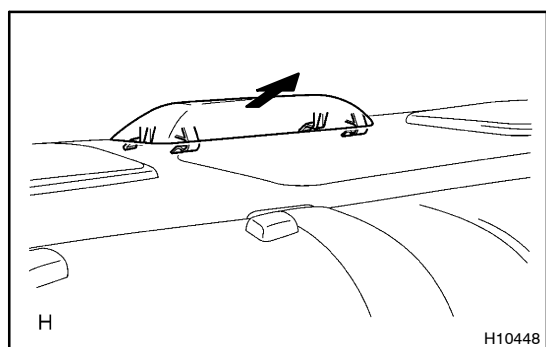
4. REMOVE ROOF SIDE INNER GARNISH

- (a) Using a screwdriver, disengage the clips.

HINT:

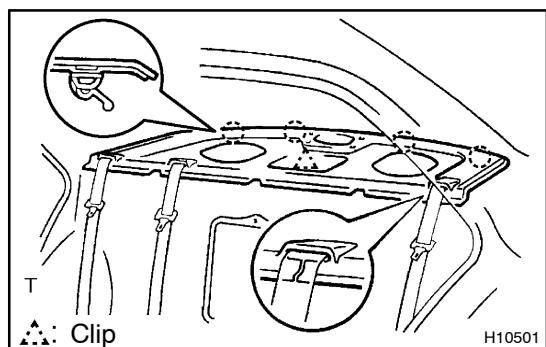
Tape the screwdriver tip before use.

- (b) Pull the garnish upward to remove it.
- (c) Employ the same manner described above to the other side.



5. REMOVE HIGH-MOUNTED STOP LIGHT

- (a) Remove the high-mounted stop light as shown in the illustration.
- (b) Disconnect the connector.



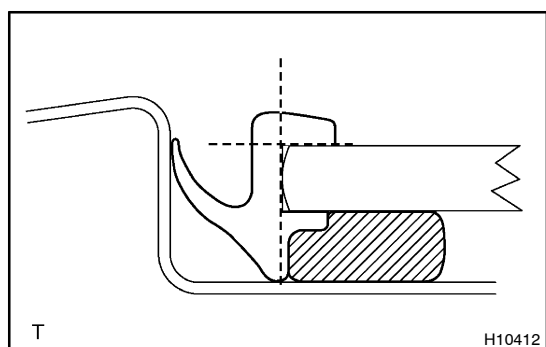
6. REMOVE PACKAGE TRAY TRIM PANEL

- (a) Pull the package tray trim panel upward to disengage the clips.
- (b) Remove the rear seat outer belts through the cutout on the package tray trim.
- (c) Pull the package tray trim panel forward to remove it.

7. REMOVE REAR ASSIST GRIPS

8. REMOVE REAR PART OF ROOF HEADLINING

Remove the 2 clips.



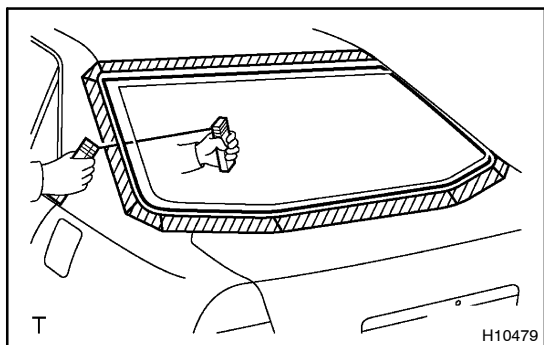
9. REMOVE BACK WINDOW OUTSIDE MOULDING

- (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 BACK WINDOW GLASS**

- (a) Disconnect the connector.
- (b) Push piano wire through from the interior.
- (c) Tie both wire ends to wooden blocks or similar objects.

HINT:

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

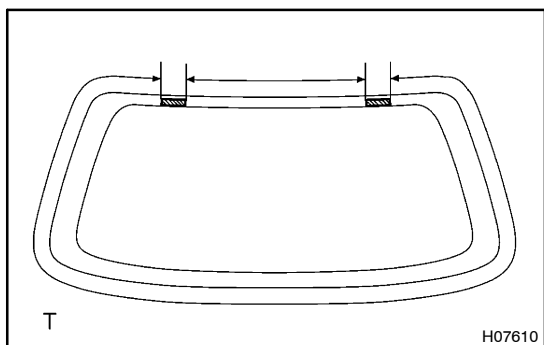
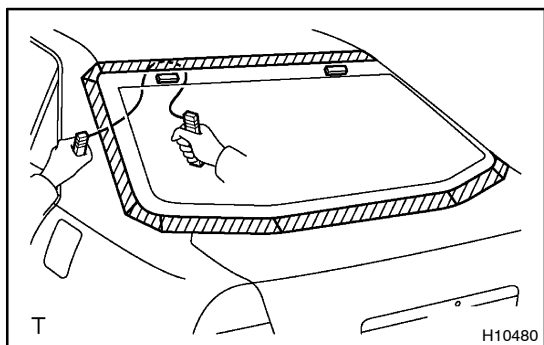
NOTICE:

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:

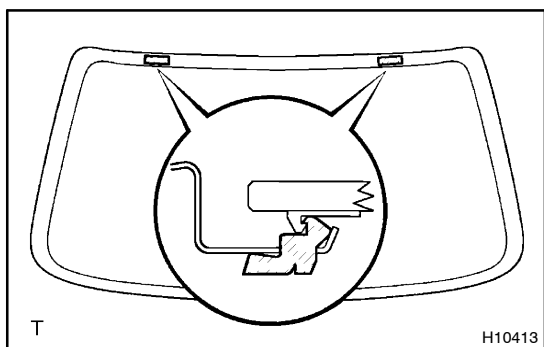
Cut the adhesive areas as shown in the illustration, leaving the adhesive where the stoppers are.



- (e) Let the piano wire pass as shown in the illustration, cut off the adhesive sticking to the stoppers.

NOTICE:

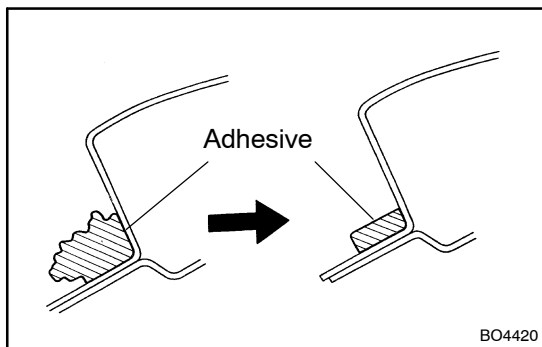
Do not damage the glass stoppers.



- (f) Disengage the stoppers, then 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.

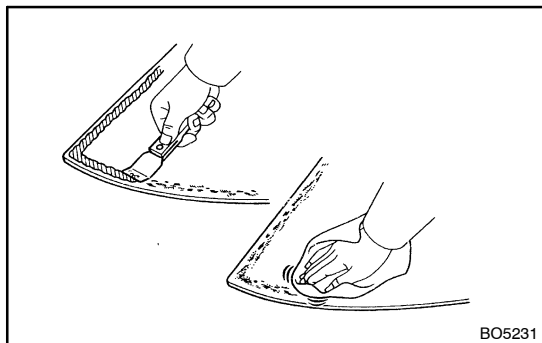
HINT:

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

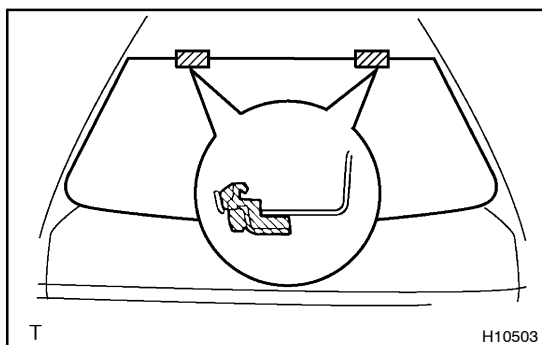
(a) Remove the damaged No.2 stoppers.

(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 face after cleaning it.



3. REPLACE NO.1 STOPPERS

(a) Remove the damaged stoppers.

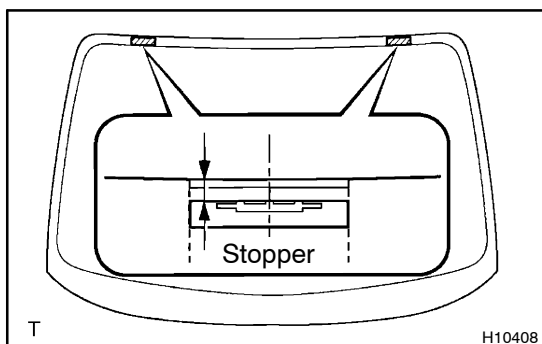
(b) Cut off the old adhesive around the stoppers installation area.

NOTICE:

Be careful not to damage the body.

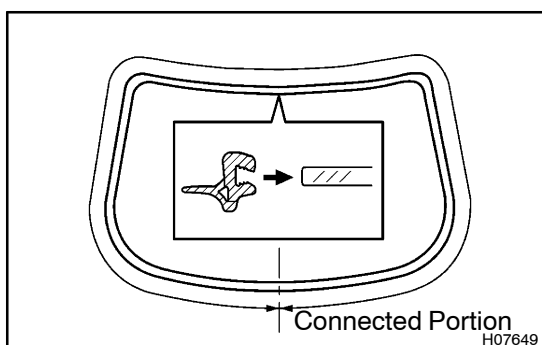
(c) Clean the installation area.

(d) Attach new stoppers to the body with the notches on the body aligned with the stoppers as shown in the illustration.



4. INSTALL NEW NO.2 STOPPERS

Attach new stoppers to the glass with the ceramic notches on the glass aligned with the stoppers as shown in the illustration.

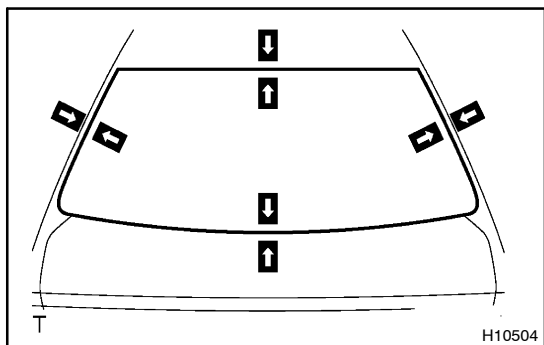


5. INSTALL NEW BACK WINDOW OUTSIDE MOULDING

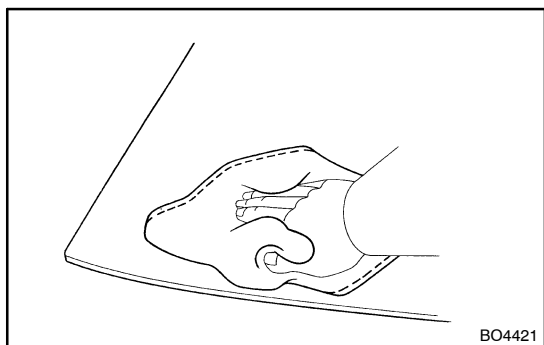
Install new back window outside moulding to the back window glass as shown in the illustration.

HINT:

- Install the back window outside moulding from the center of the glass at the lower side of the vehicle.
- When installing the back window outside moulding, do not stretch it.

**6. POSITION GLASS**

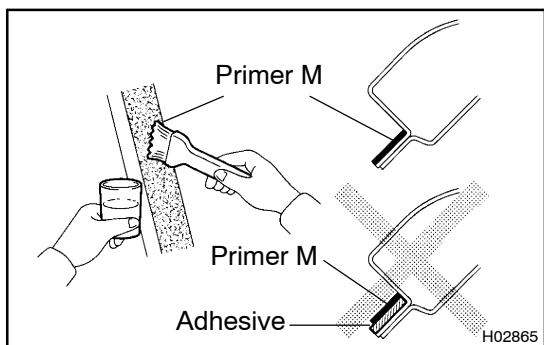
- Place the glass in the correct position.
- Check that all contacting parts of the glass rim are perfectly even.
- Place reference marks between the glass and body.
- Remove the glass.

**7. CLEAN CONTACT SURFACE OF GLASS**

Using a cleaner, clean the contact surface which is black-colored area around the entire glass rim.

NOTICE:

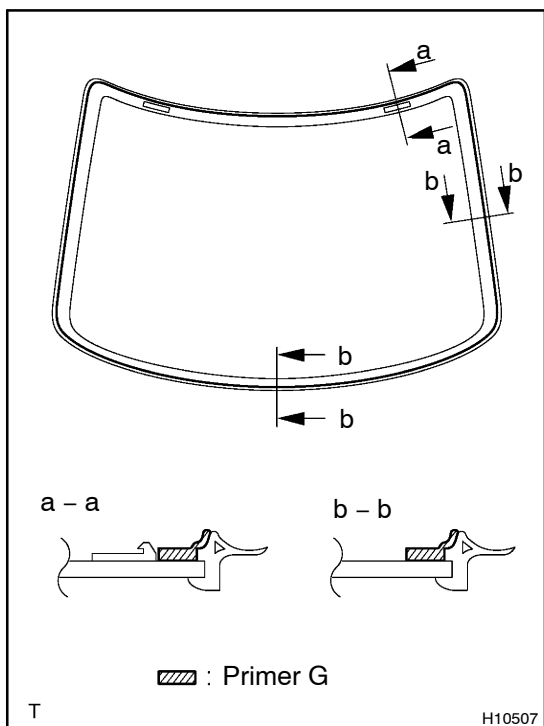
Do not touch the glass face after cleaning it.

**8. 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:

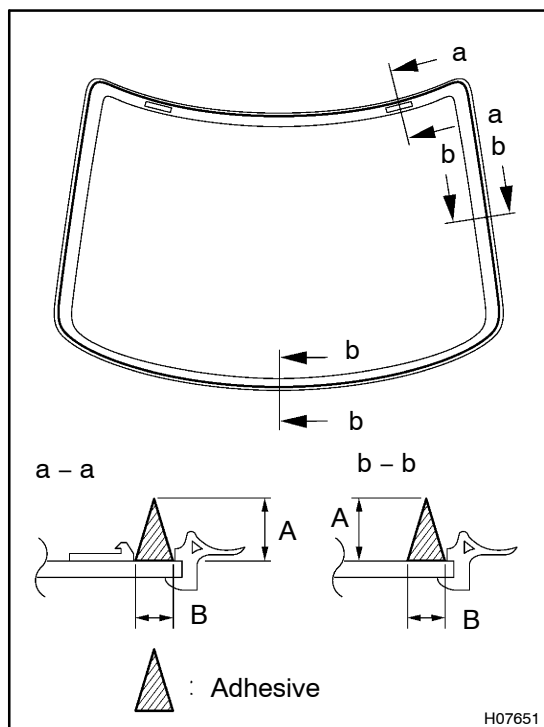
- Let the primer coating dry for 3 minutes or more.
- Do not coat Primer M to the adhesive.
- Do not keep any of the opened Primer M for later use.

**9. 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 as shown in the illustration.
- When the primer is coated wrongly to the area other than the specified, wipe it off with a clean shop rag before the primer dries.

NOTICE:

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



10. APPLY ADHESIVE

- (a) Cut off the tip of the cartridge nozzle.

Part No. 08850-00801 or equivalent

HINT:

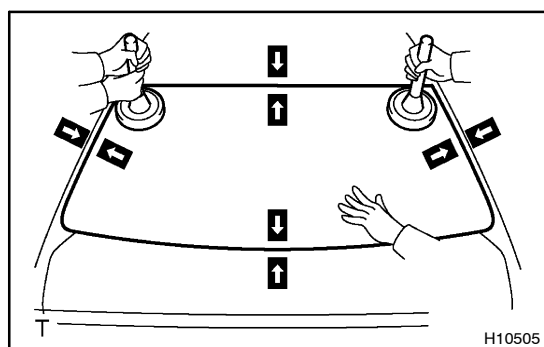
After cutting off the tip, use all adhesive within the time described in the table below.

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.

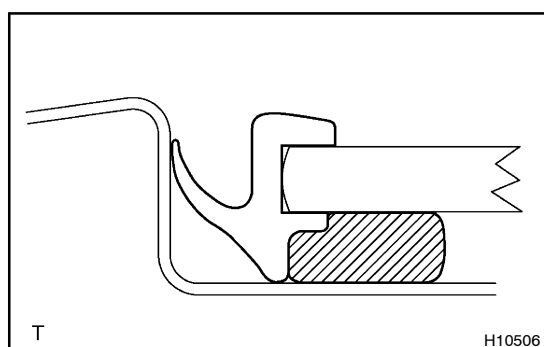
A: 12.5 mm (0.492 in.)

B: 8.0 mm (0.315 in.)



11. INSTALL GLASS

- (a) Position the glass so that the reference marks are lined up, and press in gently along the rim.



HINT:

Confirm that the moulding is attached to the body panel as shown in the illustration.

- (b) Hold the back window 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

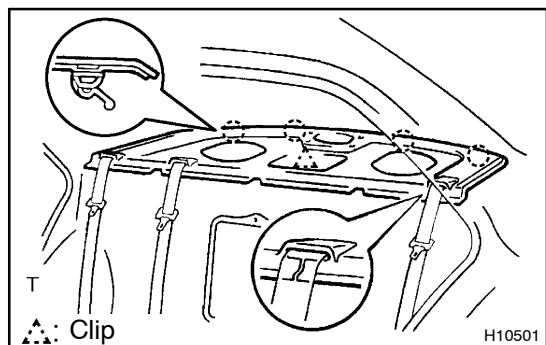
12. INSPECT FOR LEAK AND REPAIR

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

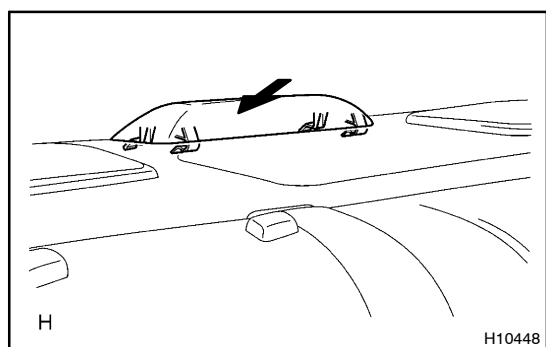
Part No. 08833-00030 or equivalent

13. INSTALL REAR PART OF ROOF HEADLINING

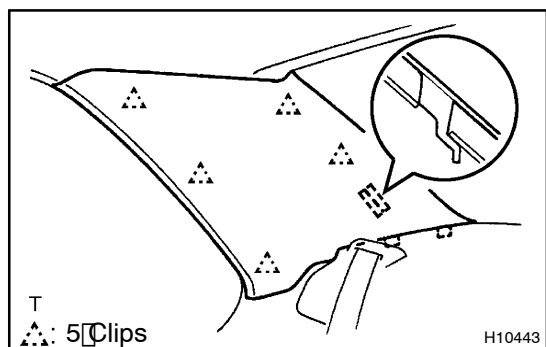
Install the 2 clips.

14. INSTALL REAR ASSIST GRIPS**15. INSTALL PACKAGE TRAY TRIM PANEL**

- (a) Install the seat belt through the cutout of the package tray trim.
- (b) Install the package tray trim as shown in the illustration.

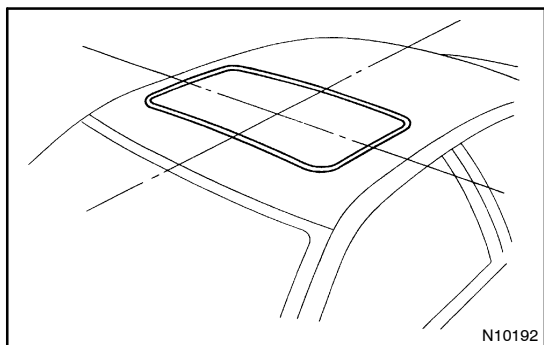
**16. INSTALL HIGH-MOUNTED STOP LIGHT**

- (a) Connect the connector.
- (b) Install the high-mounted stop light as shown in the illustration.

**17. INSTALL ROOF SIDE INNER GARNISH**

- (a) Install the roof side inner garnish as shown in the illustration.
- (b) Employ the same manner described above to the other side.

18. INSTALL UPPER PART OF REAR DOOR OPENING TRIMS**19. INSTALL REAR SEATBACK (See page BO-146)****20. INSTALL REAR SEAT CUSHION (See page BO-146)**



BO0M1-03

SLIDING ROOF ON-VEHICLE INSPECTION

INSPECT SLIDING ROOF GLASS ALIGNMENT

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

Operation time:

Approx. 6 secs.

- (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 – 2.0 mm (0 – 0.079 in.)

0 + 1.0 mm (0 + 0.039 in.)

Side end:

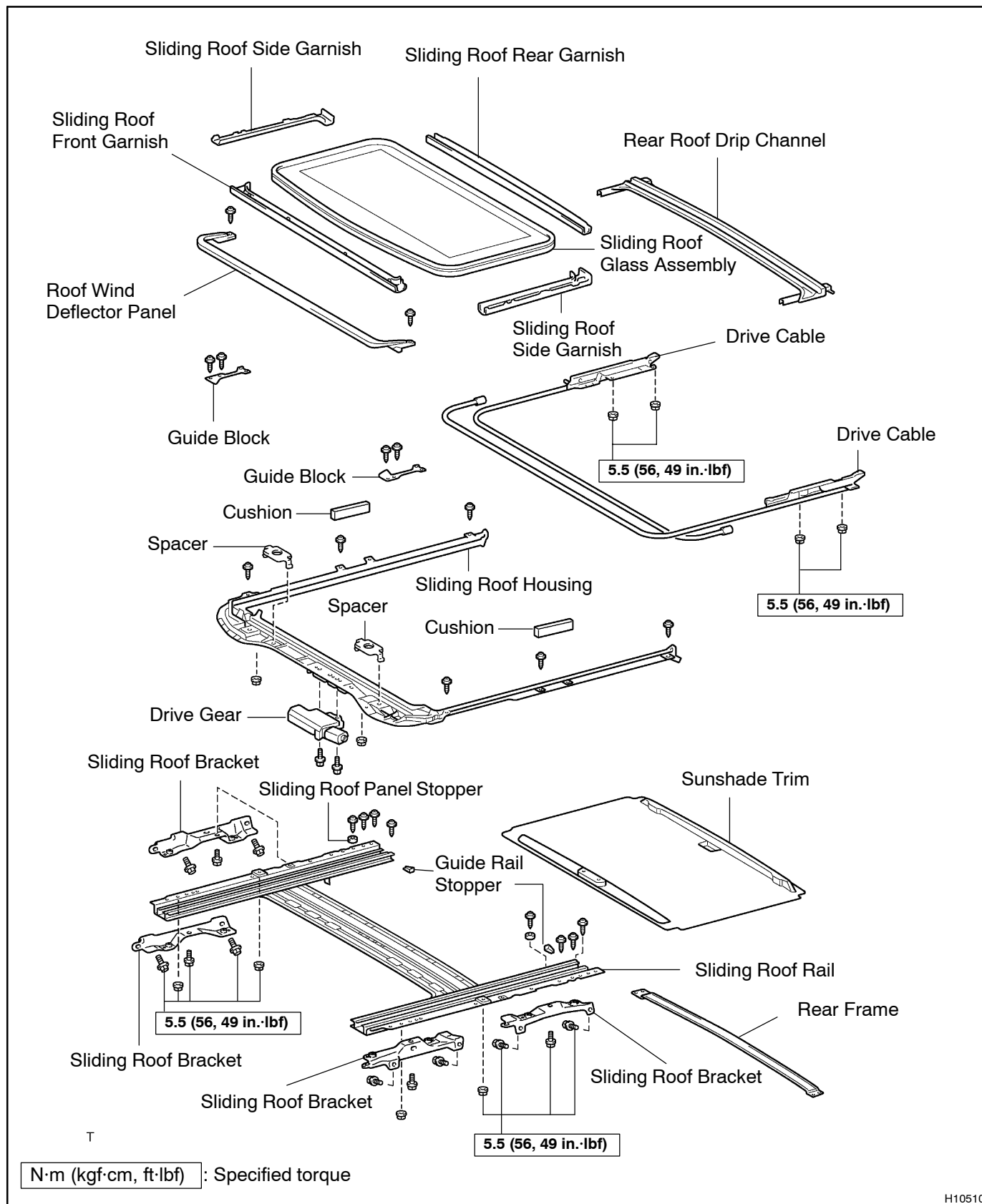
0 ± 1.5 mm (0 ± 0.059 in.)

Rear end:

0 – 1.0 mm (0 – 0.039 in.)

0 + 2.0 mm (0 + 0.079 in.)

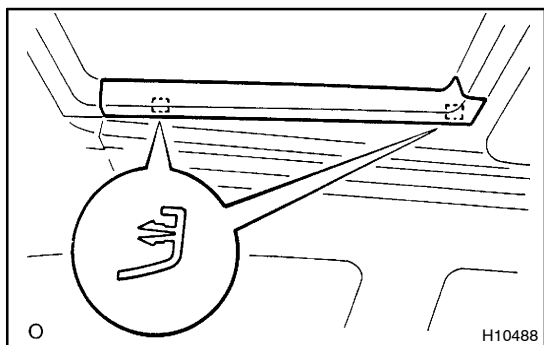
COMPONENTS



H10510

REMOVAL

1. REMOVE ROOF HEADLINING
(See page BO-112)



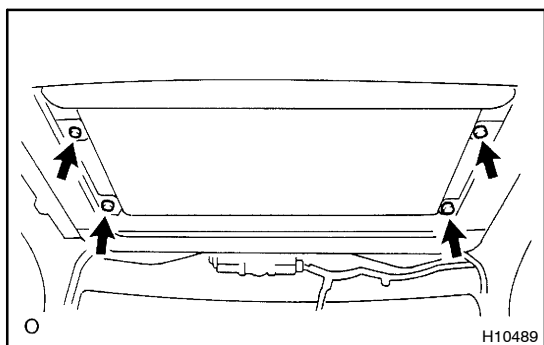
2. REMOVE SLIDING ROOF SIDE GARNISH

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

HINT:

Tape the screwdriver tip before use.

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



3. REMOVE SLIDING ROOF GLASS ASSEMBLY

- (a) Using a torx wrench, remove the 4 nuts.

Torque: 5.5 N·m (56 kgf·cm, 49 in·lbf)

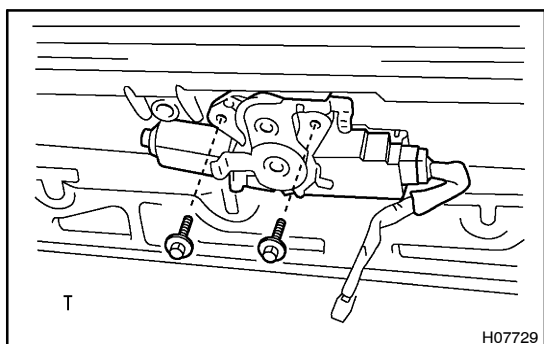
- (b) Pull the glass upward to remove it.

4. REMOVE SLIDING ROOF FRONT AND REAR GARNISHES

Using a screwdriver, remove the front and rear garnishes.

HINT:

Tape the screwdriver tip before use.

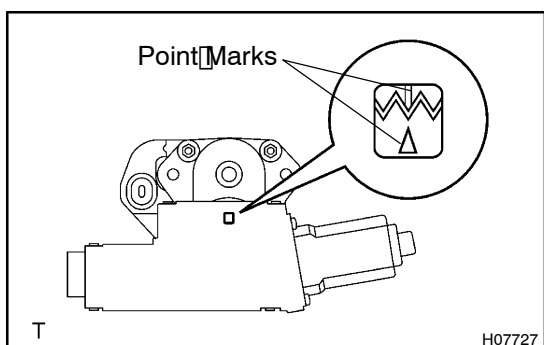


5. REMOVE DRIVE GEAR

NOTICE:

Remove the drive gear with the sliding roof fully closed.

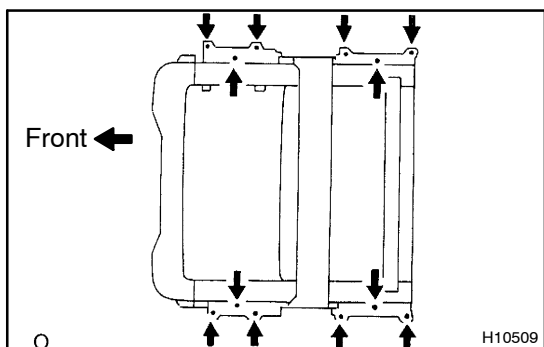
- (a) Disconnect the connector.
- (b) Remove the 2 bolts and drive gear.



- (c) Turn the drive gear to align the point marks as shown in the illustration.

NOTICE:

At the time of installation, please refer to the following item. If the sliding roof position and drive gear fully closed position are not matched, the sliding roof does not operate normally.



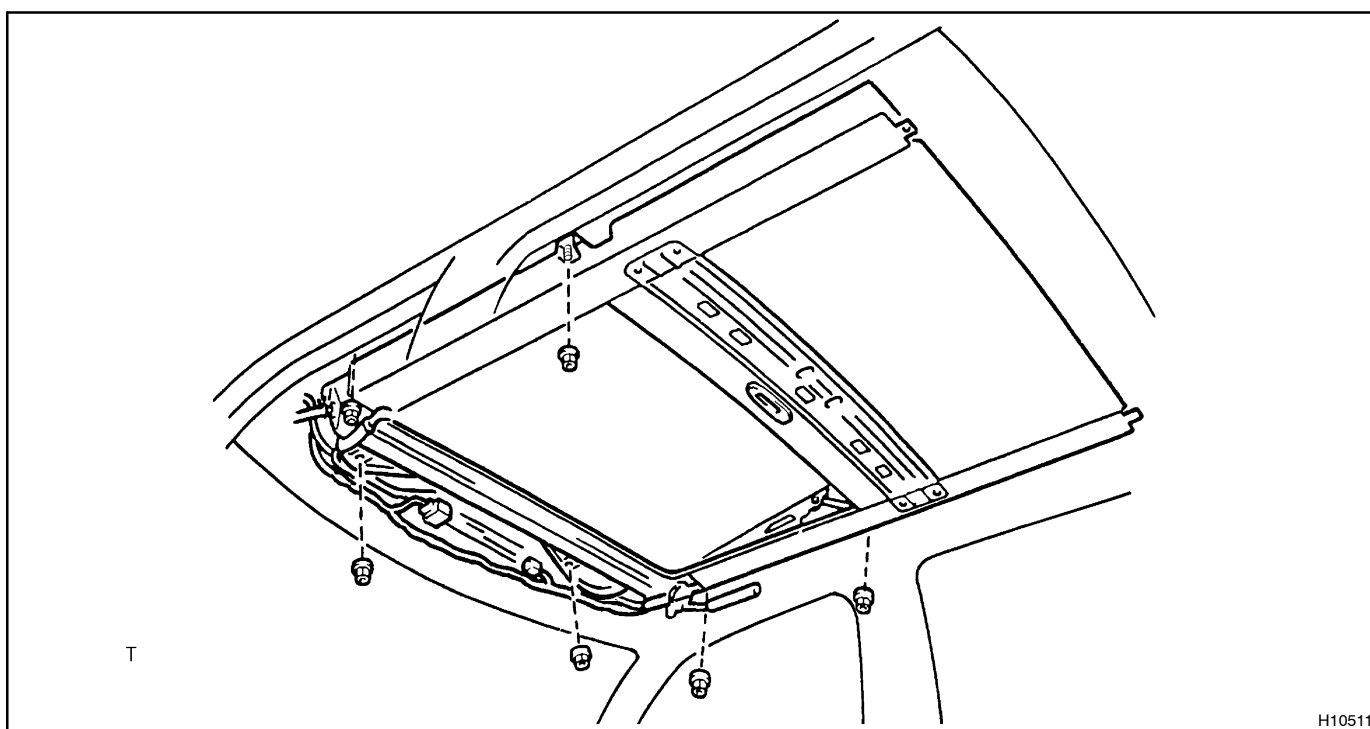
6. REMOVE SLIDING ROOF BRACKET

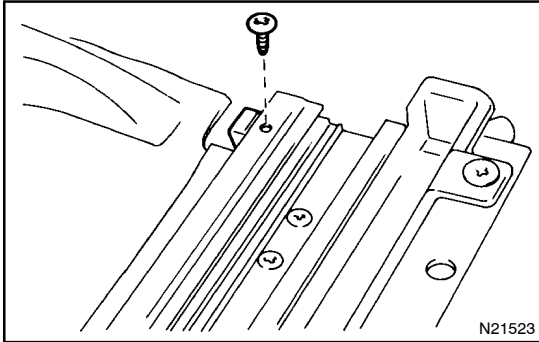
- (a) Remove the 3 bolts and sliding roof bracket.
Torque: 5.5 N·m (56 kgf·cm, 49 in·lbf)
- (b) Employ the same manner described above to the other sides.

7. REMOVE SLIDING ROOF HOUSING

- (a) Disconnect the 4 drain hoses from the housing.
- (b) Disengage the wire harness clamps.
- (c) Remove the 6 nuts, then remove the housing as shown in the illustration.

Torque: 5.5 N·m (56 kgf·cm, 49 in·lbf)



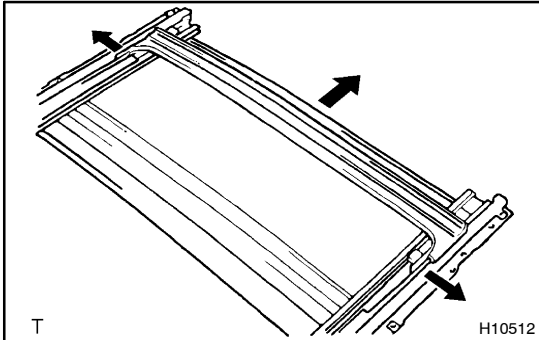


DISASSEMBLY

1. REMOVE GUIDE RAIL STOPPER

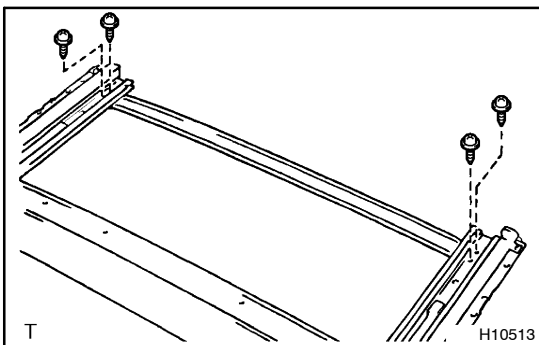
- (a) Remove the screw and stopper.
- (b) Employ the same manner described above to the other side.

2. REMOVE SUNSHADE TRIM



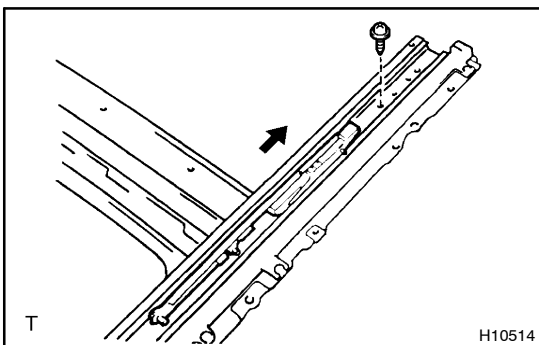
3. REMOVE REAR ROOF DRIP CHANNEL

Remove the rear roof drip channel as shown in the illustration.



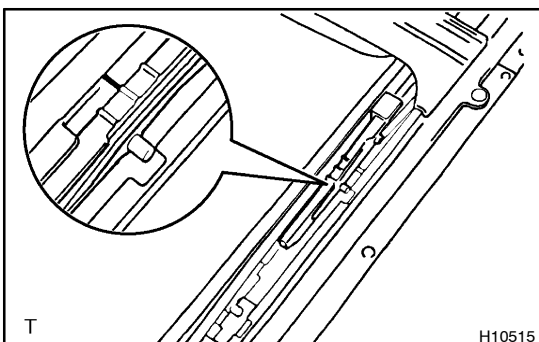
4. REMOVE REAR FRAME

Remove the 4 screws and rear frame.



5. REMOVE DRIVE CABLE

- (a) Remove the screw and sliding roof panel stopper.
- (b) Slide the drive cable rearward, then remove it.
- (c) Employ the same manner described above to the other side.

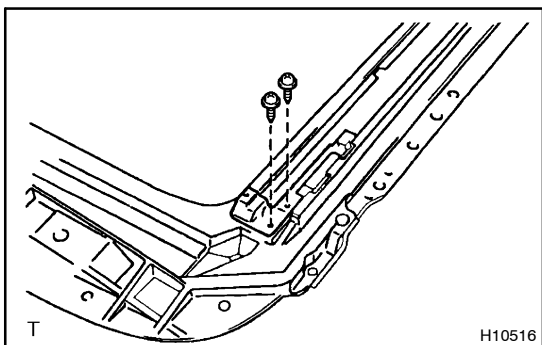


HINT:

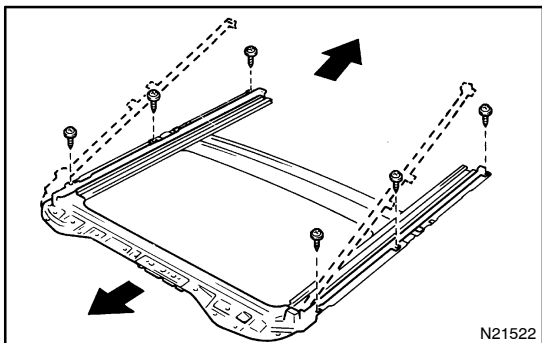
At the time of reassembly, please refer to the following items.

- Adjust the drive cable to a closed and tilted down position.
- Slide the cable forward or backward to align the 2 marks as shown in the illustration.
- Slide the cable to the forefront with your hand.

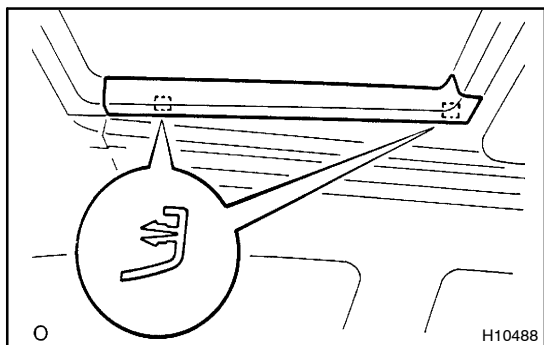
6. REMOVE ROOF WIND DEFLECTOR PANEL

**7. REMOVE GUIDE BLOCK**

- (a) Remove the 2 screws and guide block.
- (b) Employ the same manner described above to the other side.

8. REMOVE 2 CUSHIONS**9. REMOVE SLIDING ROOF HOUSING**

Remove the 6 screws and sliding roof housing.

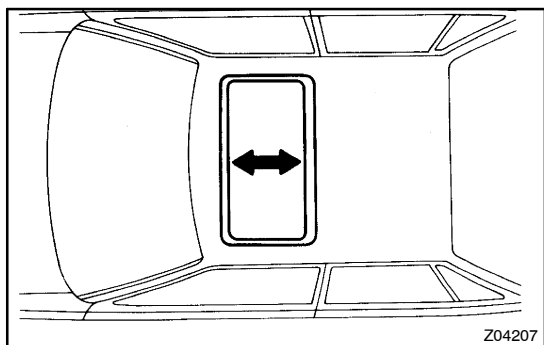


ADJUSTMENT

1. REMOVE SIDE GARNISH

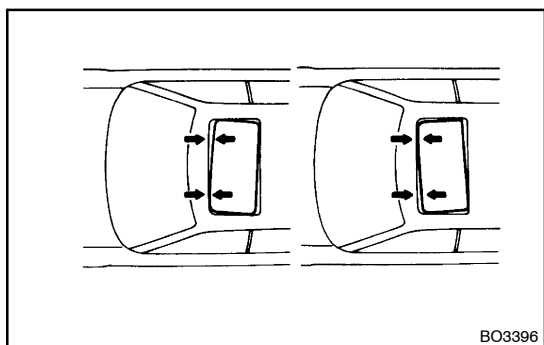
HINT:

- Tape the screwdriver tip before use.
 - After adjustment, reinstall the side garnishes.
- (a) Before making adjustments, using a screwdriver, remove the side garnish.
 - (b) Employ the same manner described above to the other side.



2. TO ADJUST FORWARD OR REARWARD

- (a) Loosen the sliding roof glass installation nuts.
- (b) Adjust the sliding roof glass forward and rearward.



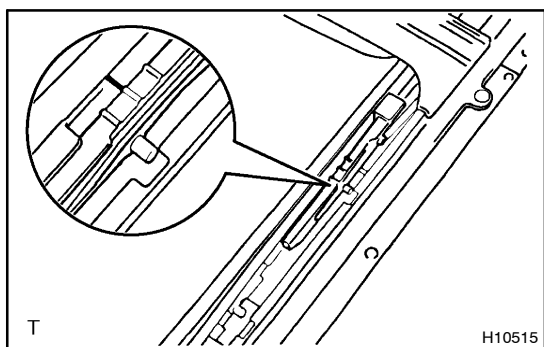
3. TO ADJUST CLEARANCE

(Difference in left and right clearance)

- (a) When the front or rear alignment is not correct, remove the drive gear and sliding roof glass, then adjust the drive rail.

NOTICE:

Remove the drive gear with sliding roof fully closed.



- (b) Adjust by sliding the cable forward or rearward to align the 2 marks as shown in the illustration.
- (c) Install the drive gear and sliding roof glass.

REASSEMBLY

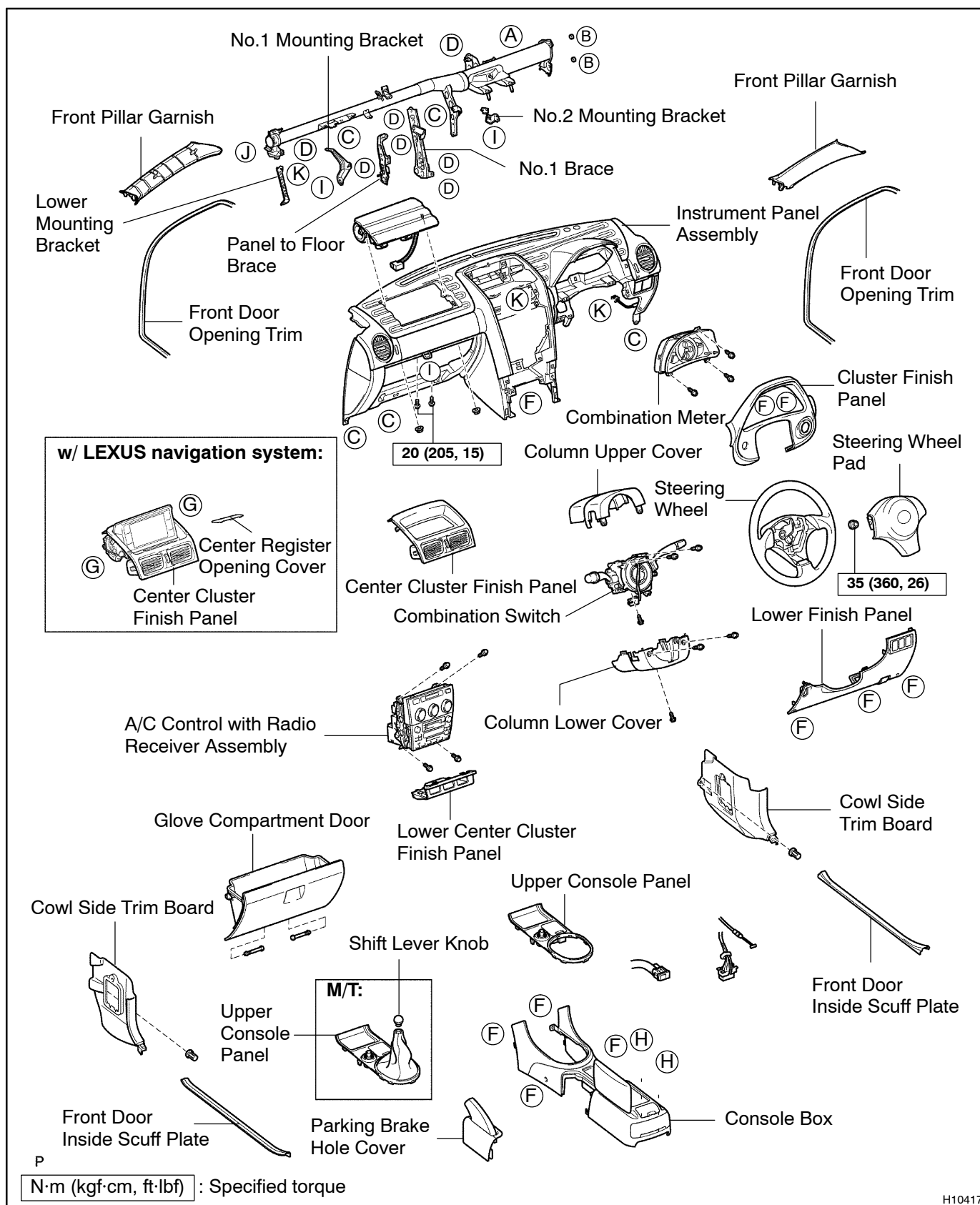
Reassembly is in the reverse order of disassembly (See [page BO-88](#)).

INSTALLATION

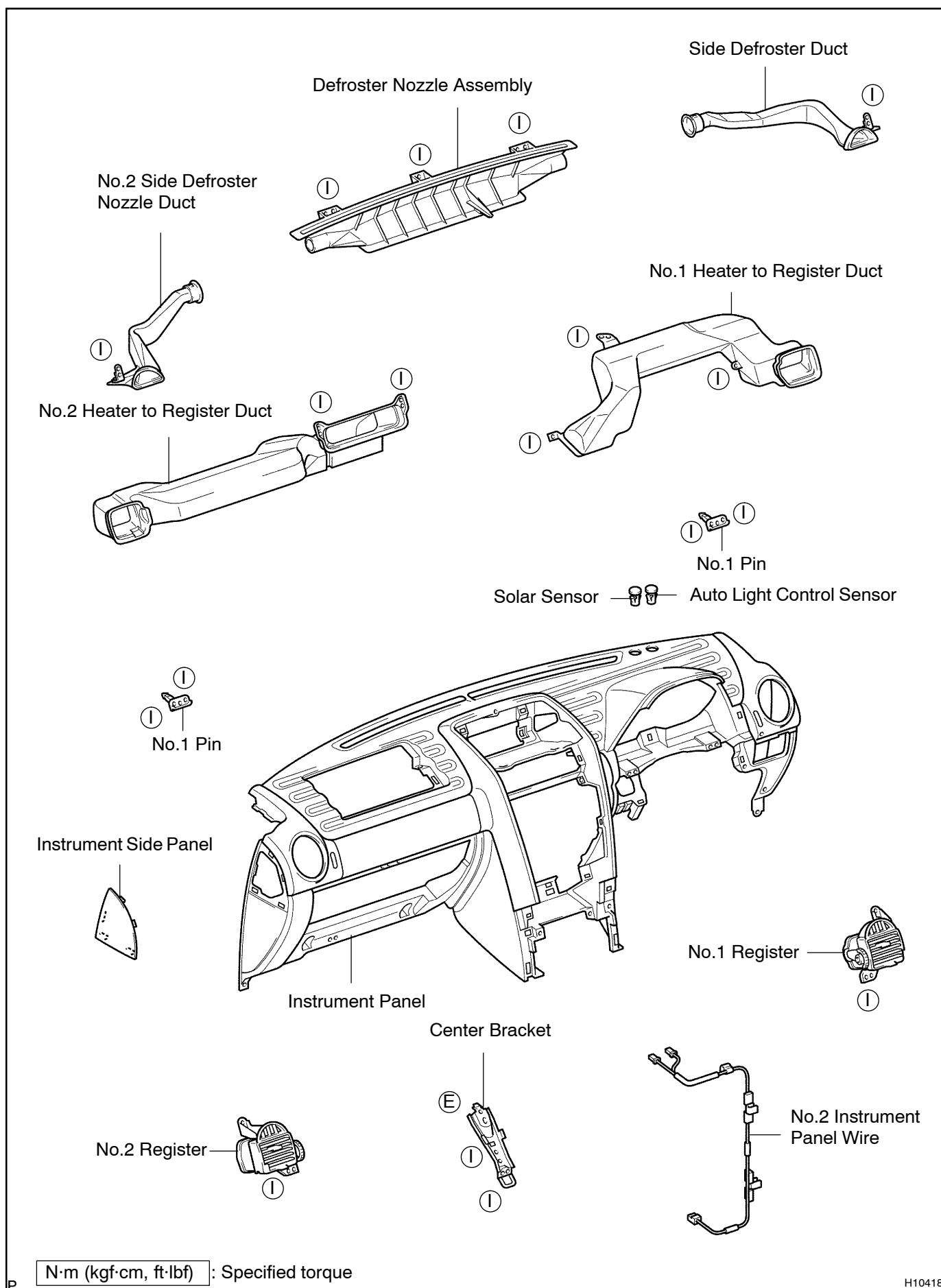
Installation is in the reverse order of removal (See page BO-86).

INSTRUMENT PANEL COMPONENTS

B02CT-01

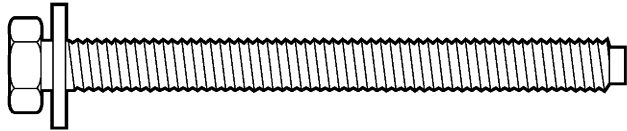
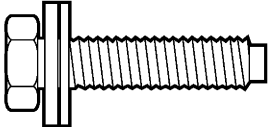
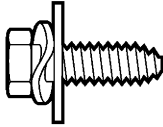
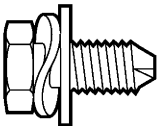
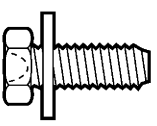
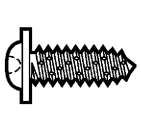
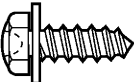
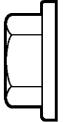
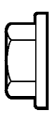


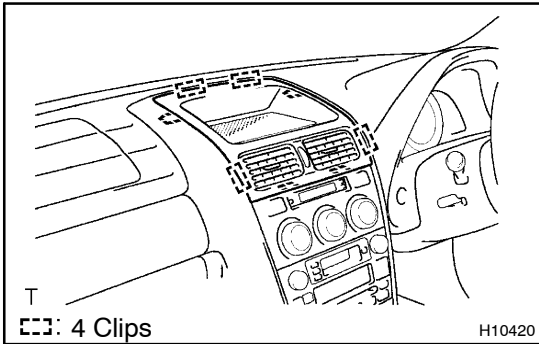
H10417



H10418

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

mm (in.)								
code	Shape					Size		
Ⓐ						ø = 8 (0.31) L = 90 (3.54)		
code	Shape			Size	code	Shape		Size
Ⓑ				ø = 8 (0.31) L = 35 (1.38)	Ⓒ			ø = 6 (0.24) L = 20 (0.79)
code	Shape	Size	code	Shape	Size	code	Shape	Size
Ⓓ		ø = 8 (0.31) L = 18 (0.71)	Ⓔ		ø = 6 (0.24) L = 18 (0.71)	Ⓕ		ø = 5.22 (0.2055) L = 16 (0.63)
Ⓖ		ø = 5 (0.20) L = 16 (0.63)	Ⓕ		ø = 5 (0.20) L = 16 (0.63)	Ⓖ		ø = 5 (0.20) L = 14 (0.55)
Ⓙ		ø = 8 (0.31)	Ⓚ		ø = 6 (0.24)			



REMOVAL

1. REMOVE CENTER CLUSTER FINISH PANEL

- (a) w/ LEXUS navigation system:
Using a screwdriver, remove center register opening cover.

HINT:

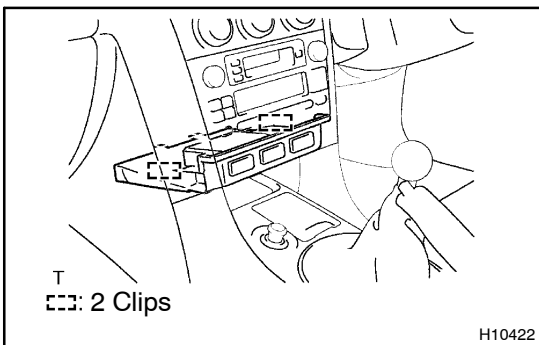
Tape the screwdriver tip before use.

- (b) w/ LEXUS navigation system:
Remove the 2 screws.
- (c) Using a screwdriver, remove center cluster finish panel.

HINT:

Tape the screwdriver tip before use.

- (d) w/ LEXUS navigation system:
Disconnect the connectors.



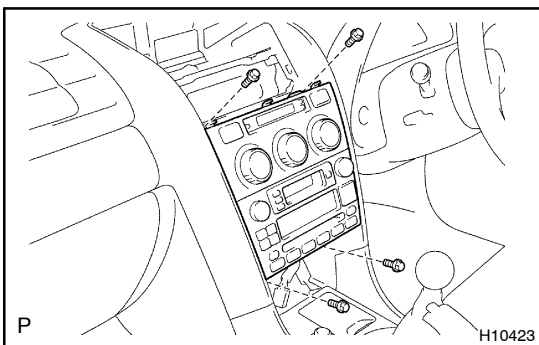
2. REMOVE LOWER CENTER CLUSTER FINISH PANEL

- (a) Using a screwdriver, remove the lower center cluster finish panel.

HINT:

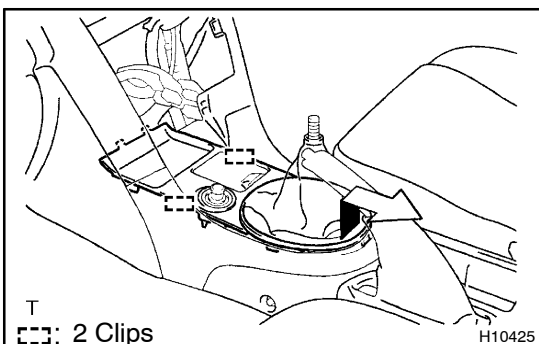
Tape the screwdriver tip before use.

- (b) Disconnect the connectors.



3. REMOVE A/C CONTROL WITH RADIO RECEIVER ASSEMBLY

- (a) Remove the 4 bolts and A/C control with radio receiver assembly.
- (b) Disconnect the connectors.



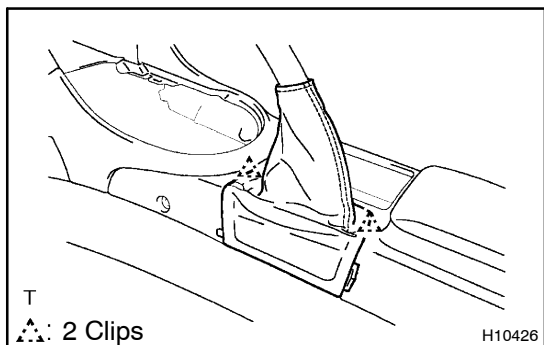
4. REMOVE UPPER CONSOLE PANEL

- (a) M/T:
Remove the shift lever knob.
- (b) Using a screwdriver, remove the upper console panel as shown in the illustration.

HINT:

Tape the screwdriver tip before use.

- (c) Disconnect the connector.

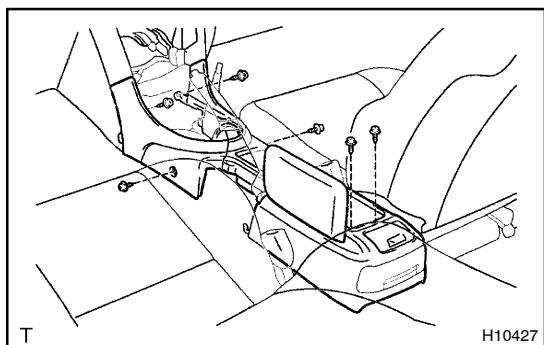


5. REMOVE PARKING BRAKE HOLE COVER

Using a screwdriver, remove the parking brake hole cover.

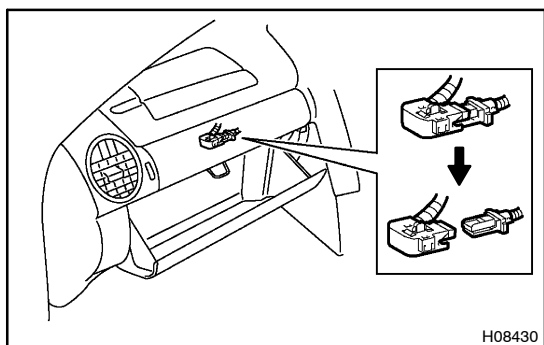
HINT:

Tape the screwdriver tip before use.



6. REMOVE CONSOLE BOX

- (a) Remove the 6 screws.
- (b) Pull the console box rearward to remove it.

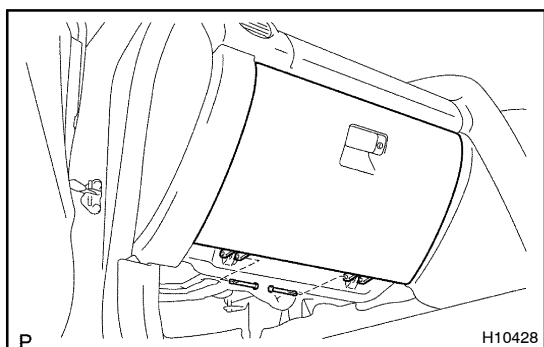


7. DISCONNECT PASSENGER AIRBAG CONNECTOR

- (a) Using a clip remover, disengage the connector clamp.
- (b) Disconnect the passenger airbag connector.

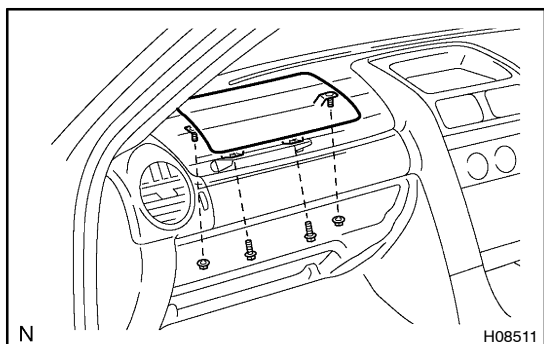
NOTICE:

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



8. REMOVE GLOVE COMPARTMENT DOOR

Disconnect the hinge shaft and remove the glove compartment door.



9. REMOVE FRONT PASSENGER AIRBAG ASSEMBLY

Remove the 2 bolts, 2 nuts and from passenger airbag assembly from the instrument panel.

Torque:

Bolt: 20 N·m (205 kgf·cm, 15 ft·lbf.)

Nut: 5.5 N·m (56 kgf·cm, 49 in·lbf)

CAUTION:

- Do not store the front passenger airbag assembly with the airbag deployment side facing downward.
- Never disassemble the front passenger airbag assembly.

10. REMOVE STEERING WHEEL PAD (See page SR-12)

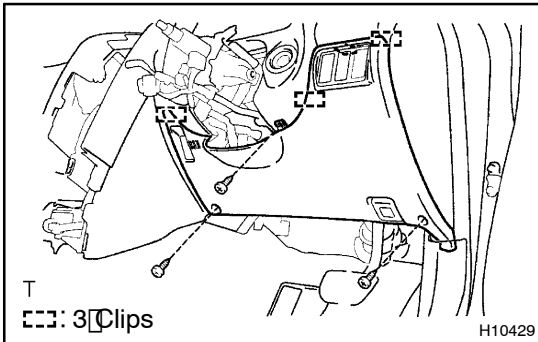
11. REMOVE STEERING WHEEL (See page SR-12)

12. REMOVE COLUMN UPPER AND LOWER COVERS (See page SR-12)

13. REMOVE SPIRAL CABLE (See page SR-12)

14. REMOVE LOWER FINISH PANEL

- Remove the 3 screws and lower finish panel.
- Disconnect the connectors and hood lock control cable.

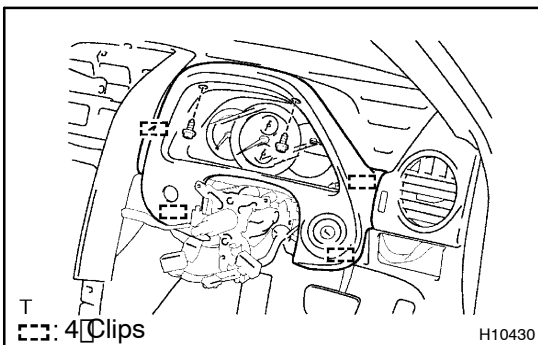


15. REMOVE CLUSTER FINISH PANEL

- Remove the 2 screws.
- Using a screwdriver, remove the cluster finish panel.

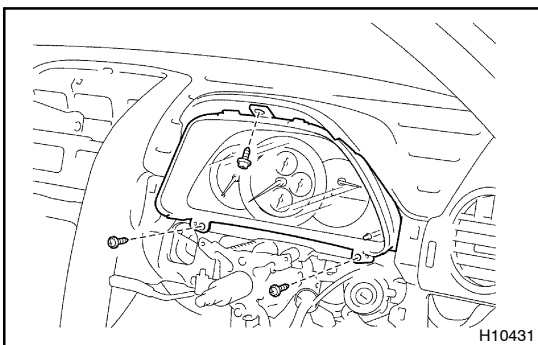
HINT:

Tape the screwdriver tip before use.



16. REMOVE COMBINATION METER

- Remove the 3 screws and combination meter.
- Disconnect the connector.



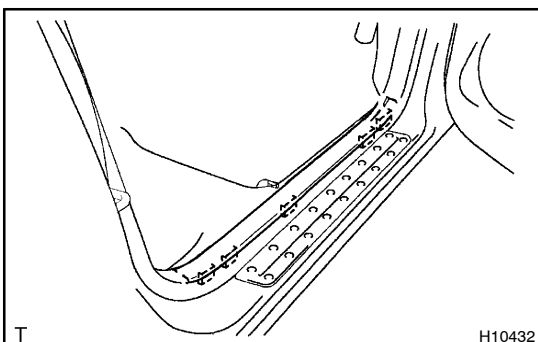
17. REMOVE FRONT DOOR INSIDE SCUFF PLATE

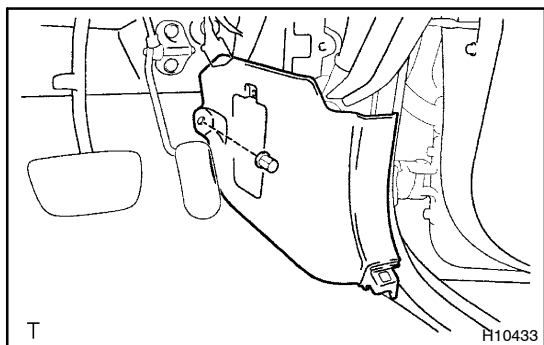
- Using a screwdriver, remove the front door inside scuff plate.

HINT:

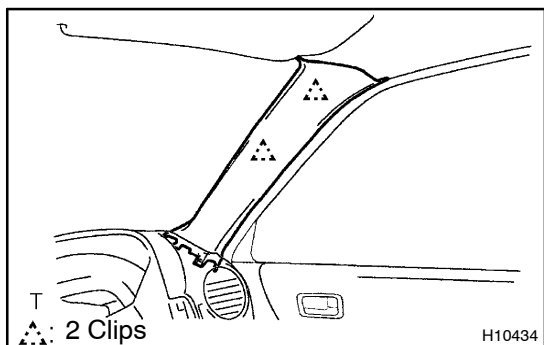
Tape the screwdriver tip before use.

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



**18. REMOVE COWL SIDE TRIM BOARD**

- (a) Remove the clip.
- (b) Pull the cowl side trim board rearward to remove it.
- (c) Employ the same manner described above to the other side.

19. REMOVE FRONT PART OF FRONT DOOR OPENING TRIMS**20. REMOVE FRONT PILLAR GARNISH**

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

HINT:

Tape the screwdriver tip before use.

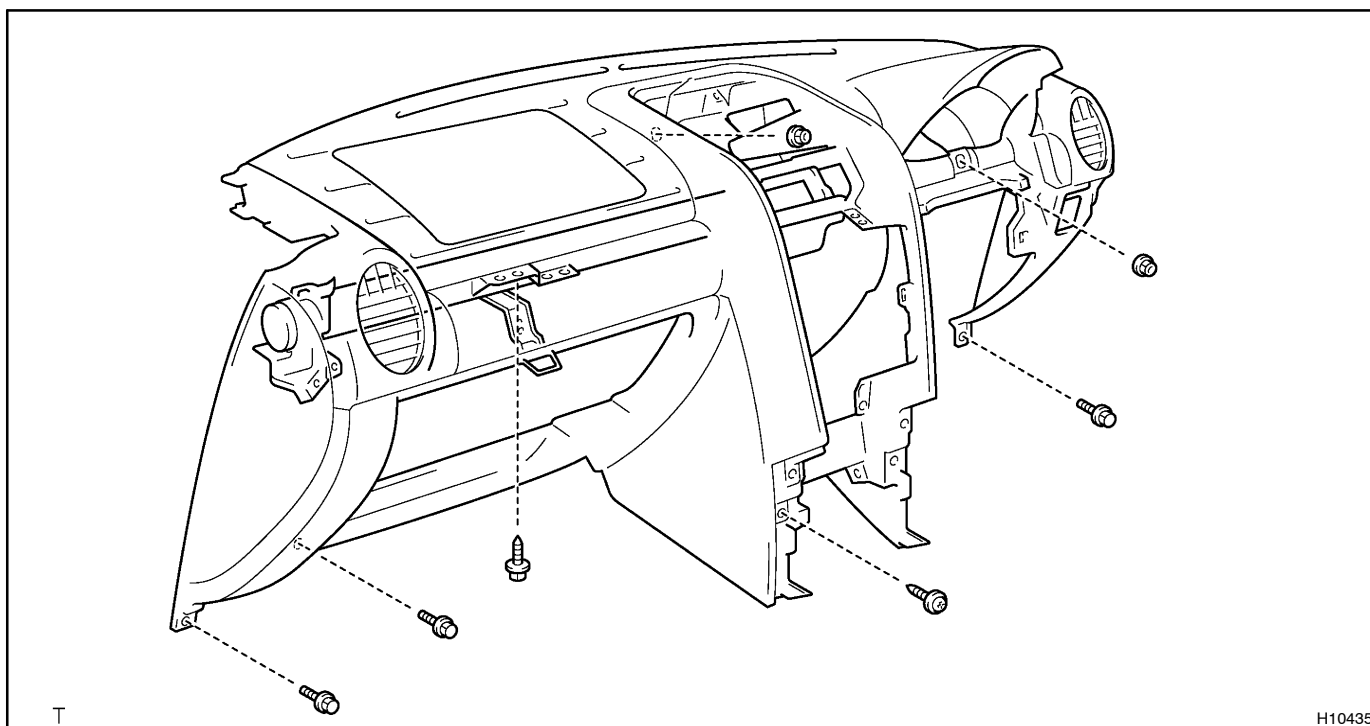
- (b) Employ the same manner described above to the other side.

21. REMOVE INSTRUMENT PANEL

- (a) Disconnect the connectors.
- (b) Disengage the wire harness clamps.
- (c) Remove the 3 bolts, 2 screws and 2 nuts.
- (d) Pull the instrument panel rearward to remove it.

NOTICE:

Be careful not to damage the instrument panel and wire harness.

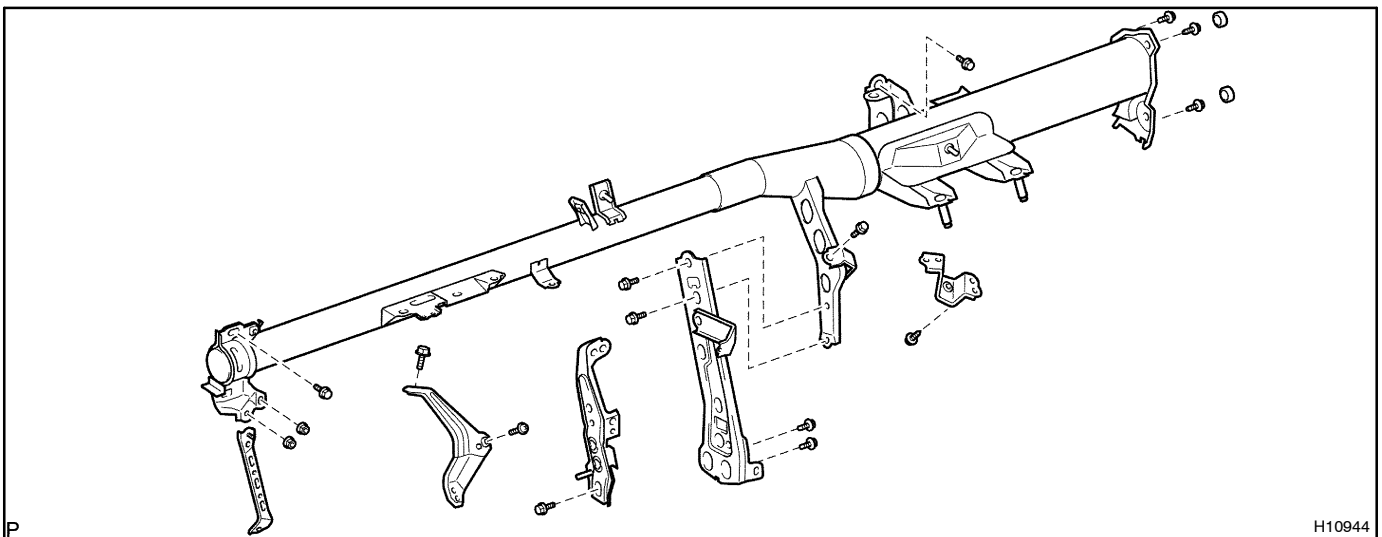


22. REMOVE INSTRUMENT PANEL REINFORCEMENT

- (a) Disengage the wire harness clamps.
- (b) Remove the 2 nuts and wire harness from the reinforcement.
- (c) Remove the bolt and ground cable.
- (d) Remove the bolt, screw and No.1 mounting bracket.
- (e) Remove the bolt and panel to floor brace LH.
- (f) Remove the bolt and No.2 mounting bracket.
- (g) Remove the 4 bolts and No.1 brace.
- (h) Remove the 5 bolts, 2 nuts, instrument panel reinforcement and lower mounting bracket.

NOTICE:

Be careful not to damage the body and wire harness.



DISASSEMBLY

1. REMOVE SIDE DEFROSTER DUCT

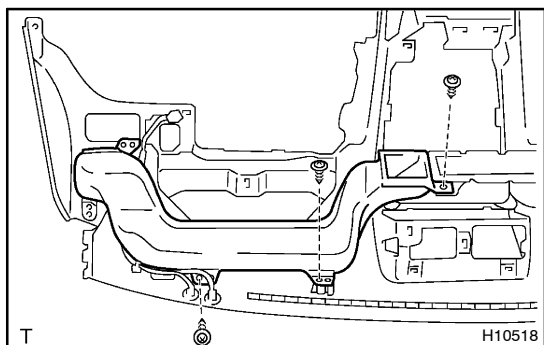
Remove the screw, then disconnect the side defroster duct as shown in the illustration.

2. REMOVE NO.2 SIDE DEFROSTER NOZZLE DUCT

Employ the same manner described in the above step.

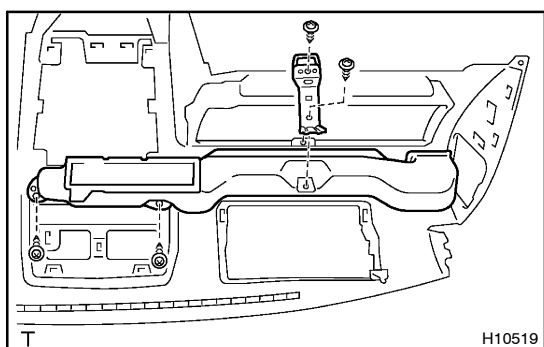
3. REMOVE DEFROSTER NOZZLE ASSEMBLY

Remove the 3 screws and defroster nozzle assembly.



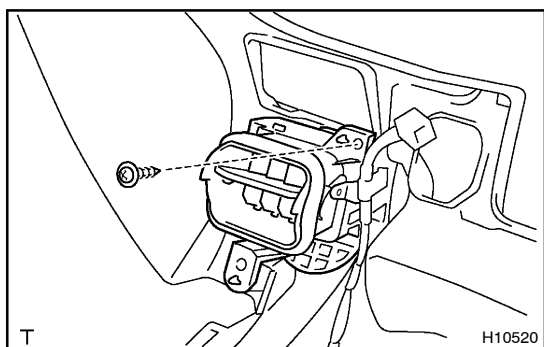
4. REMOVE NO.1 HEATER TO REGISTER DUCT

Remove the 3 screws and No.1 heater to register duct.



5. REMOVE NO.2 HEATER TO REGISTER DUCT

- (a) Remove the 2 screws and center bracket.
- (b) Remove the 2 screws and No.2 heater to register duct.

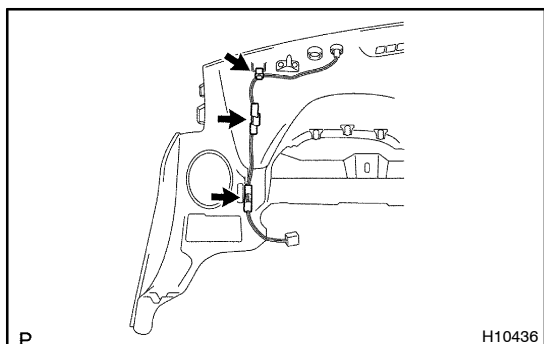


6. REMOVE NO.1 REGISTER

Remove the screw and No.1 register as shown in the illustration.

7. REMOVE NO.2 REGISTER

Employ the same manner described in the above step.

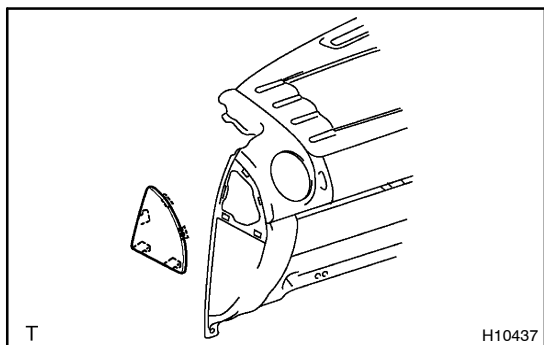


8. REMOVE NO.2 INSTRUMENT PANEL WIRE

- (a) Disconnect the connectors.
- (b) Disengage the wire harness clamps and remove the No.2 instrument panel wire.

9. REMOVE SOLAR SENSOR

10. REMOVE AUTO LIGHT CONTROL SENSOR

**11. REMOVE INSTRUMENT SIDE PANEL**

Using a screwdriver, remove the instrument side panel.

HINT:

Tape the screwdriver tip before use.

12. REMOVE NO.1 PINS

Remove the 4 screws and No.1 pins.

REASSEMBLY

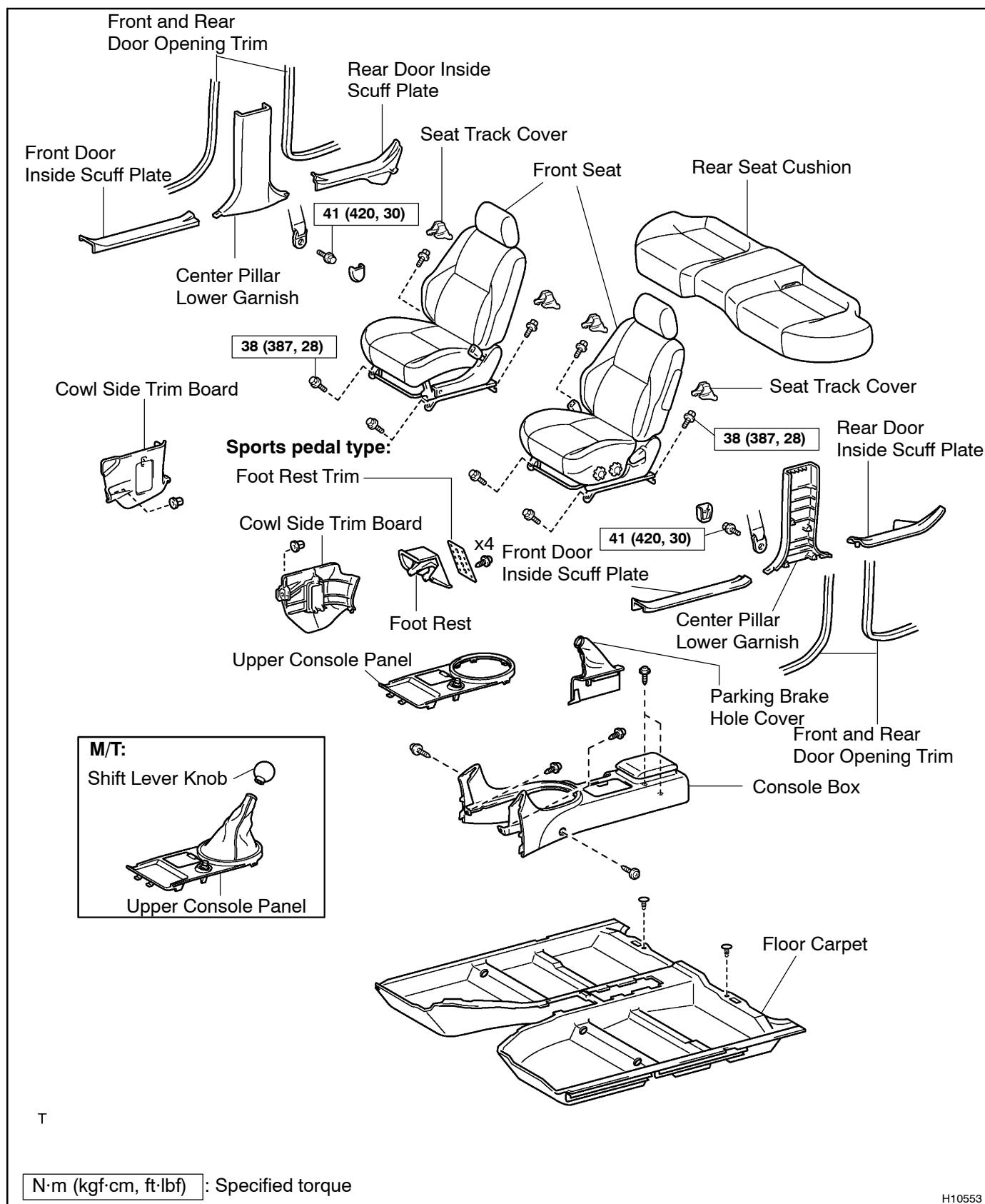
Reassembly is in the reverse order of disassembly (See page BO-101).

INSTALLATION

Installation is in the reverse order of removal (See page BO-96).

FLOOR CARPET COMPONENTS

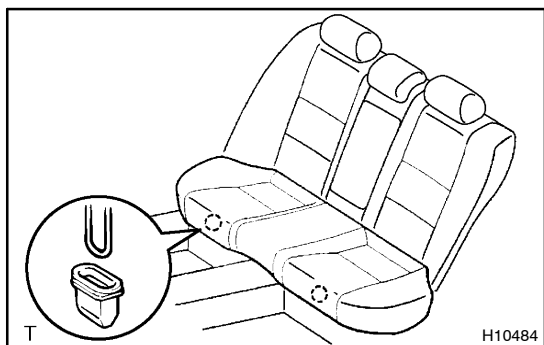
B00WI-04



H10553

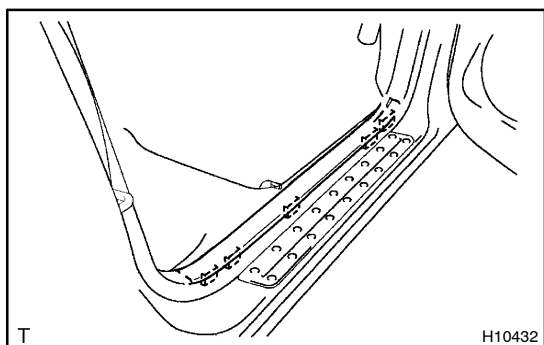
REMOVAL

1. **REMOVE FRONT SEAT**
(See page BO-119 and BO-130)



2. **REMOVE REAR SEAT CUSHION**

Pull up the front portion of the seat cushion, then remove it.



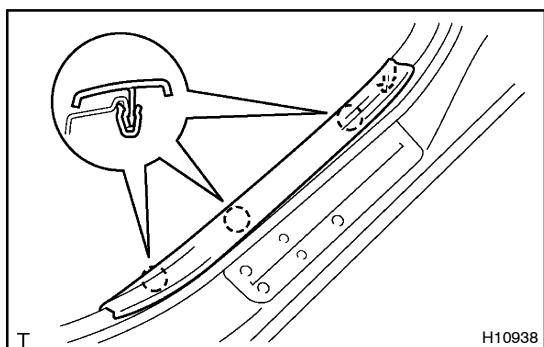
3. **REMOVE FRONT DOOR INSIDE SCUFF PLATE**

- (a) Using a screwdriver, remove the front door inside scuff plate.

HINT:

Tape the screwdriver tip before use.

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



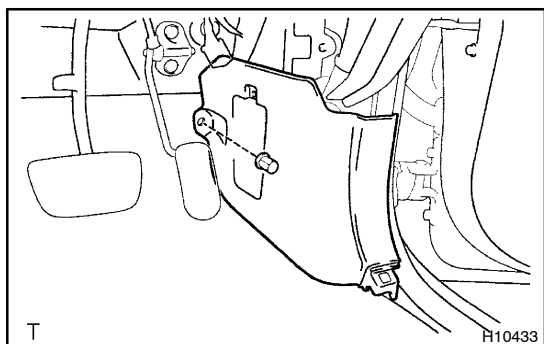
4. **REMOVE REAR DOOR INSIDE SCUFF PLATE**

- (a) Using a screwdriver, remove the rear door inside scuff plate.

HINT:

Tape the screwdriver tip before use.

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



5. **REMOVE COWL SIDE TRIM BOARD**

- (a) Remove the clip and cowl side trim board.
- (b) Employ the same manner described above to the other side.

6. **REMOVE FRONT DOOR OPENING TRIMS**

7. **REMOVE REAR DOOR OPENING TRIMS**

8. REMOVE FRONT SEAT OUTER BELT FLOOR ANCHORS

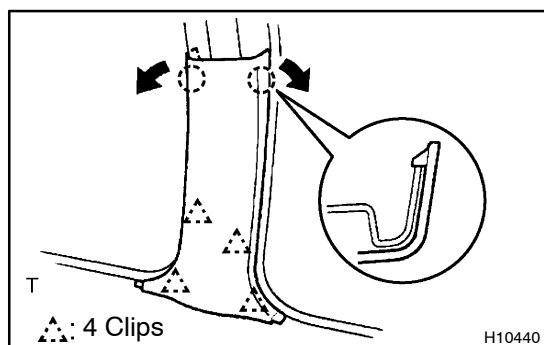
- (a) Using a screwdriver, remove the floor anchor cover caps.

HINT:

Tape the screwdriver tip before use.

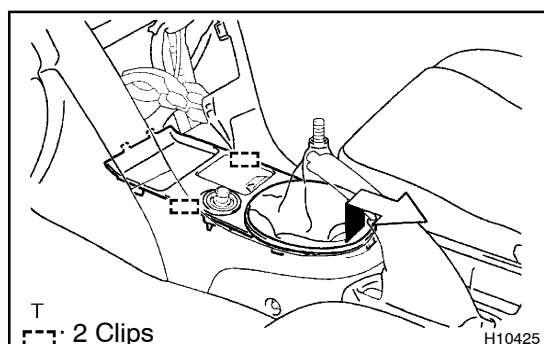
- (b) Remove the 2 bolts and floor anchors.

Torque: 41 N·m (420 kgf·cm, 30 ft·lbf)

**9. REMOVE CENTER PILLAR LOWER GARNISH**

- (a) Remove the center pillar lower garnish as shown in the illustration.

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

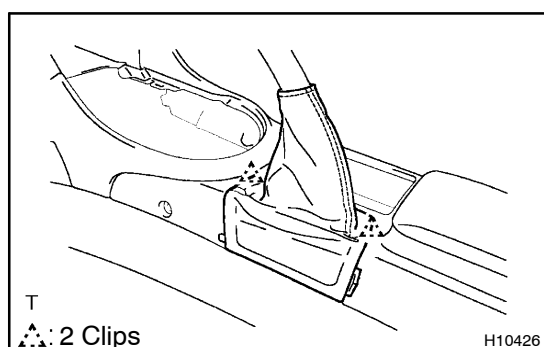
10. M/T: REMOVE SHIFT LEVER KNOB**11. REMOVE UPPER CONSOLE PANEL**

- (a) Using a screwdriver, remove the upper console panel.

HINT:

Tape the screwdriver tip before use.

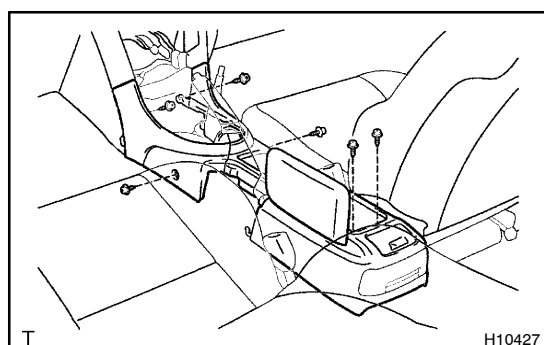
- (b) Disconnect the connector.

**12. REMOVE PARKING BRAKE HOLE COVER**

Using a screwdriver, remove the parking brake hole cover.

HINT:

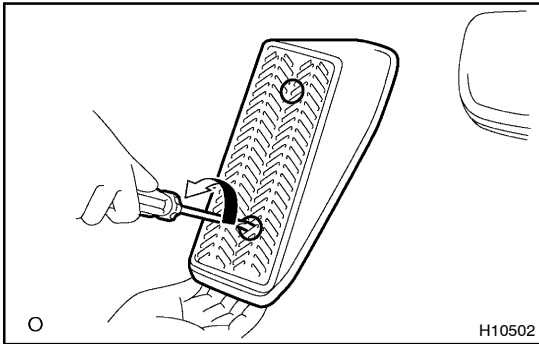
Tape the screwdriver tip before use.

**13. REMOVE CONSOLE BOX**

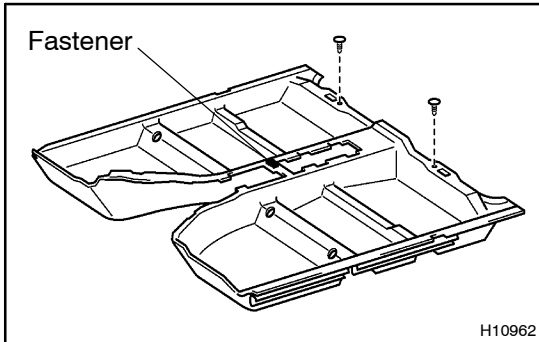
- (a) Remove the 6 screws.
(b) Pull the console box rearward to remove it.

14. REMOVE FOOT REST

- (a) Sport pedal type:
Remove the 4 screws and foot rest trim.



- (b) Using a screwdriver, remove the foot rest as shown in the illustration.



15. REMOVE FLOOR CARPET

- (a) Peel off the fastener.
- (b) Remove the 2 clips.
- (c) Disengage the hooks and remove the floor carpet.

NOTICE:

Be careful not to pull the wire harness.

HINT:

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

- When installing the floor mat, pull out the wire harness and levers through the cutout of the floor carpet.
- There should be no wrinkles or folds after attaching the floor carpet.

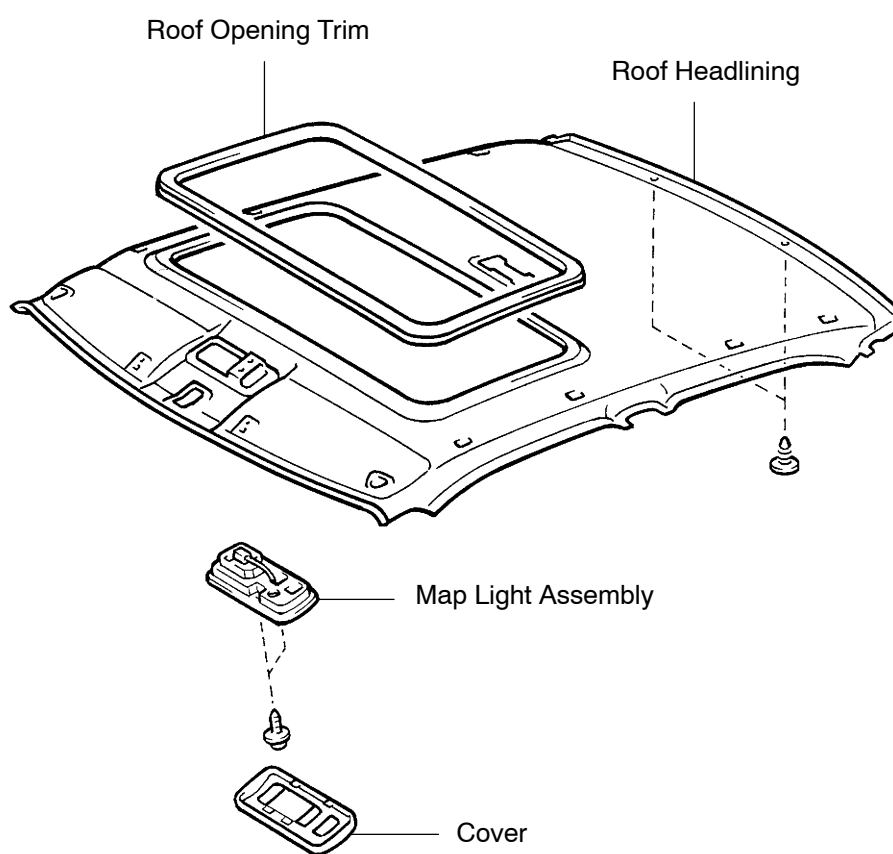
INSTALLATION

Installation is in the reverse order of removal (See page BO-106).

BO2CZ-01



w/ Sliding roof:

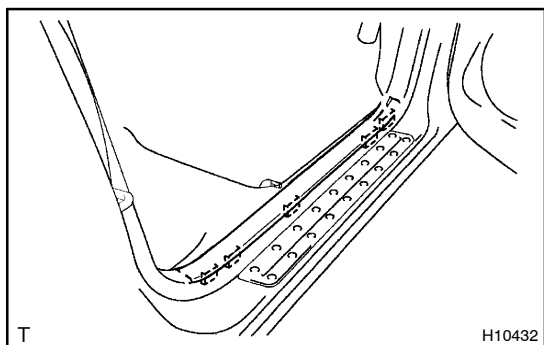


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REMOVAL

1. REMOVE REAR SEAT CUSHION (See page BO-142)
2. REMOVE REAR SEATBACK (See page BO-142)



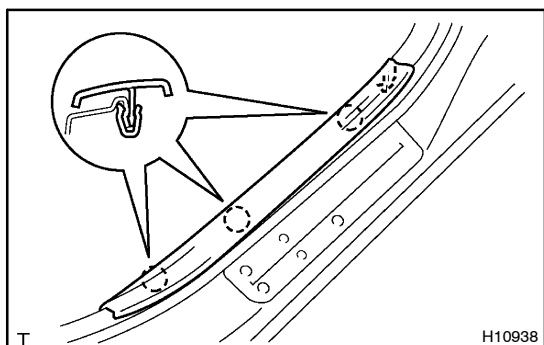
3. REMOVE FRONT DOOR INSIDE SCUFF PLATE

- (a) Using a screwdriver, remove the front door inside scuff plate as shown in the illustration.

HINT:

Tape the screwdriver tip before use.

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



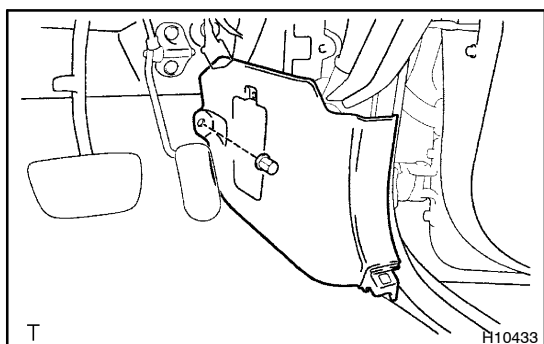
4. REMOVE REAR DOOR INSIDE SCUFF PLATE

- (a) Using a screwdriver, remove the rear door inside scuff plate as shown in the illustration.

HINT:

Tape the screwdriver tip before use.

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

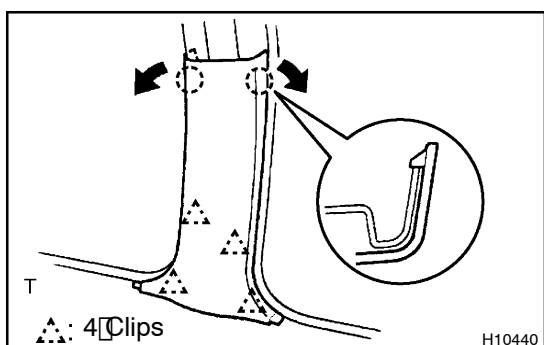


5. REMOVE COWL SIDE TRIM BOARD

- (a) Remove the clip and cowl side trim board.
- (b) Employ the same manner described above to the other side.

6. REMOVE FRONT DOOR OPENING TRIMS

7. REMOVE REAR DOOR OPENING TRIMS



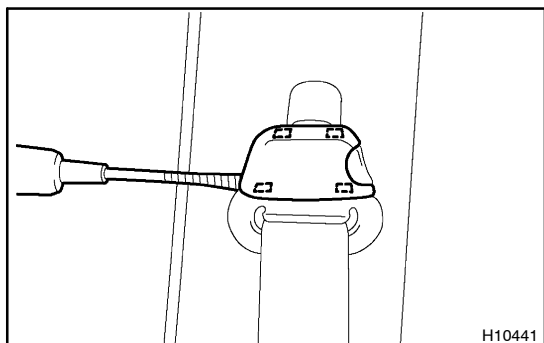
8. REMOVE CENTER PILLAR LOWER GARNISH

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

HINT:

Tape the screwdriver tip before use.

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



9. REMOVE FRONT SEAT OUTER BELT SHOULDER ANCHOR

- (a) Using a screwdriver, remove the anchor cap.

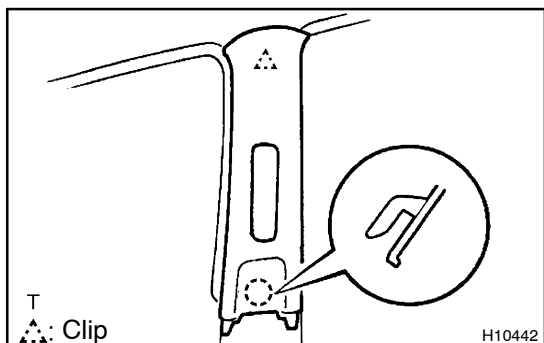
HINT:

Tape the screwdriver tip before use.

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

Torque: 41 N·m (420 kgf·cm, 30 ft·lbf)

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



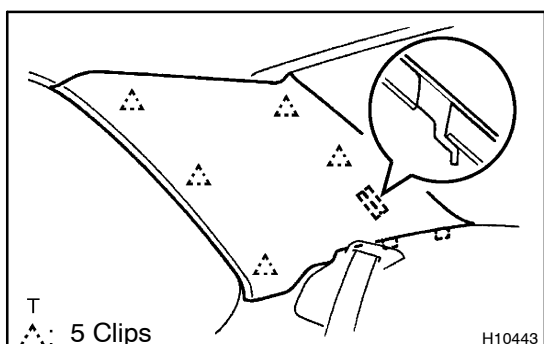
10. REMOVE CENTER PILLAR GARNISH

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

HINT:

Tape the screwdriver tip before use.

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



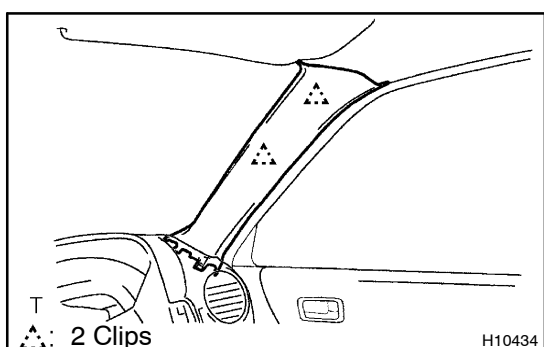
11. REMOVE ROOF SIDE INNER GARNISH

- (a) Using a screwdriver, remove the roof side inner garnish.

HINT:

Tape the screwdriver tip before use.

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



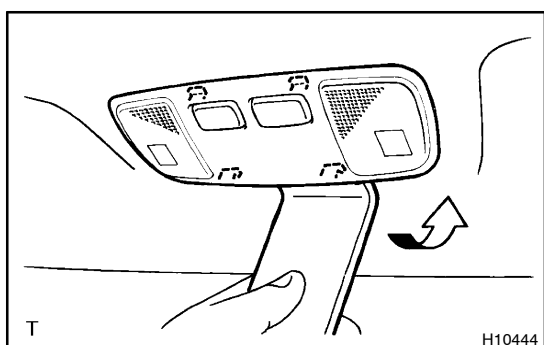
12. REMOVE FRONT PILLAR GARNISH

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

HINT:

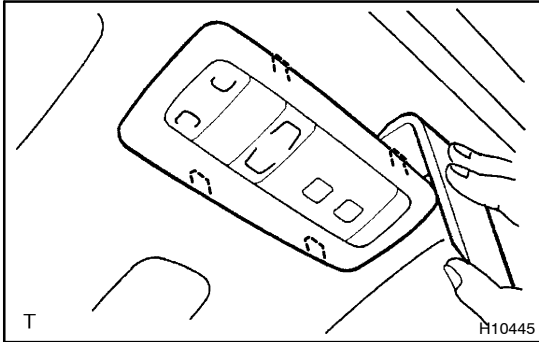
Tape the screwdriver tip before use.

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



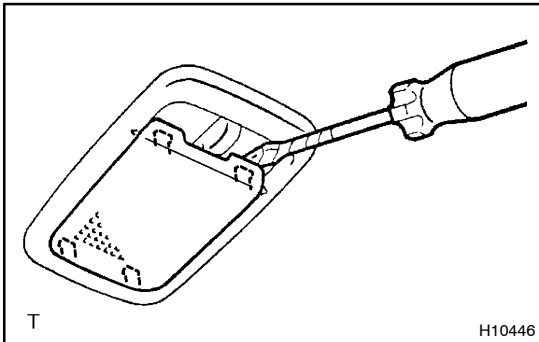
13. w/o Sliding roof: REMOVE MAP LIGHT ASSEMBLY

- (a) Using a moulding remover, remove the lens.
(b) Remove the 2 screws and map light assembly.
(c) Disconnect the connector.



14. w/ Sliding roof:
REMOVE MAP LIGHT ASSEMBLY

- (a) Using a moulding remover, remove the cover.
- (b) Remove the 2 screws and map light assembly.
- (c) Disconnect the connector.



15. REMOVE ROOM LIGHT ASSEMBLY

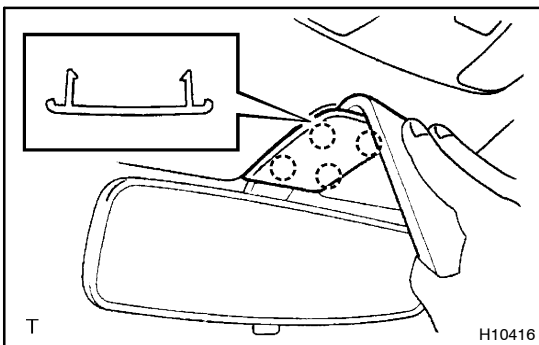
- (a) Using a screwdriver, remove the lens.

HINT:

Tape the screwdriver tip before use.

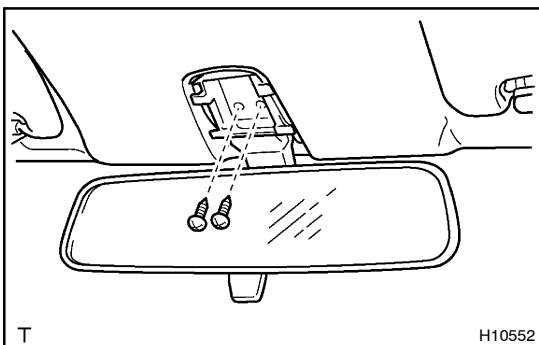
- (b) Remove the 2 screws and room light assembly.
- (c) Disconnect the connector.

16. w/ Sliding roof:
REMOVE ROOF OPENING TRIM



17. REMOVE INNER REAR VIEW MIRROR

- (a) Using a moulding remover, remove the cover as shown in the illustration.



- (b) Remove the 2 screws and inner rear view mirror.

Torque: 5.5 N·m (56 kgf·cm, 49 in·lbf)

18. REMOVE ASSIST GRIPS

- (a) Using a screwdriver, remove the caps.

HINT:

Tape the screwdriver tip before use.

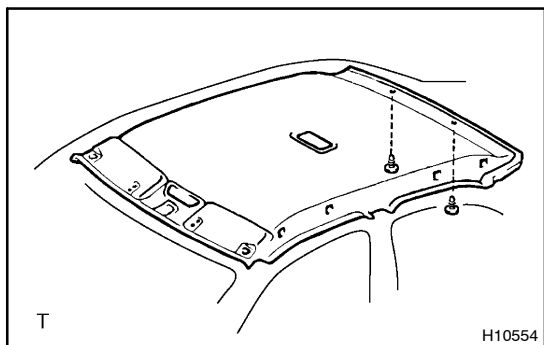
- (b) Remove the 6 bolts and 3 assist grips.

19. REMOVE SUN VISORS

- (a) Remove the 4 screws and pull the sun visors downward.
- (b) Disconnect the connectors.

20. REMOVE SUN VISOR HOLDERS

Remove the 2 screws and 2 holders.

**21. REMOVE ROOF HEADLINING**

- (a) Remove the 2 clips.
- (b) Pull the roof headlining downward to remove it.

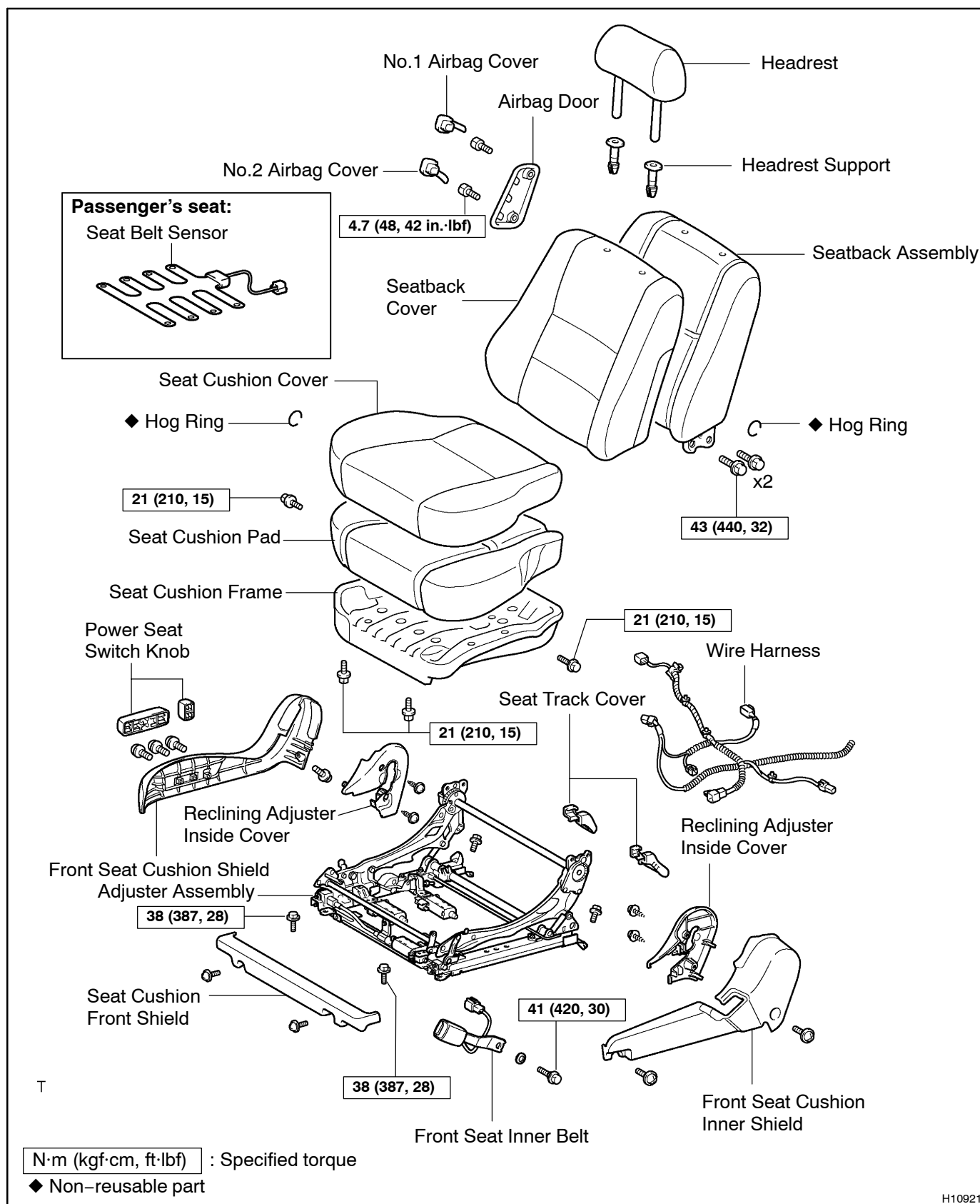
INSTALLATION

Installation is in the reverse order of removal (See page BO-112).

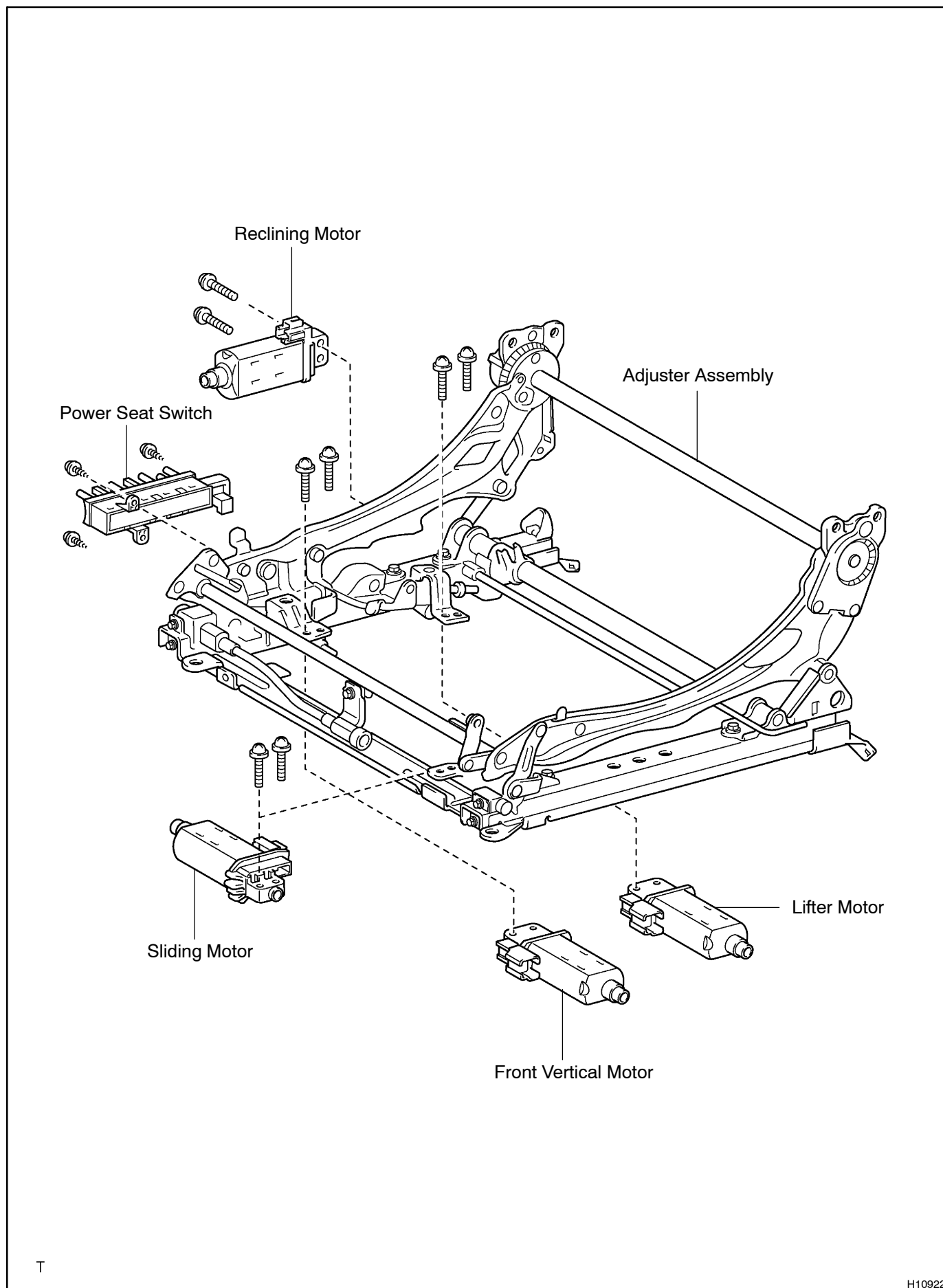
FRONT SEAT (Power Adjuster Type)

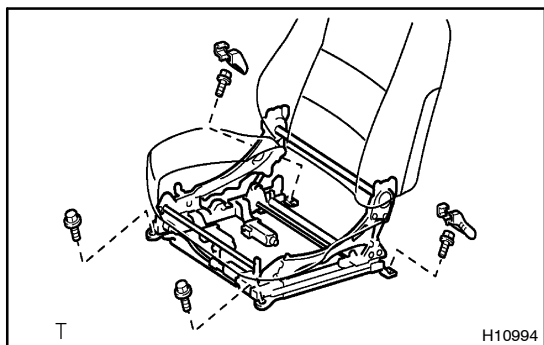
COMPONENTS

B02D2-01



H10921





REMOVAL

1. REMOVE SEAT TRACK COVERS

Using a screwdriver, remove the seat track covers.

HINT:

Tape the screwdriver tip before use.

2. REMOVE FRONT SEAT

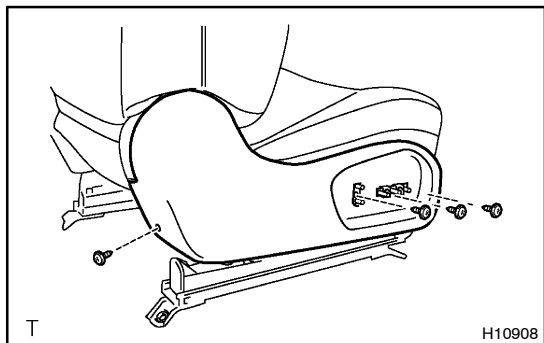
- (a) Remove the 4 bolts.
- (b) Disconnect the connectors.
- (c) Remove the front seat.

NOTICE:

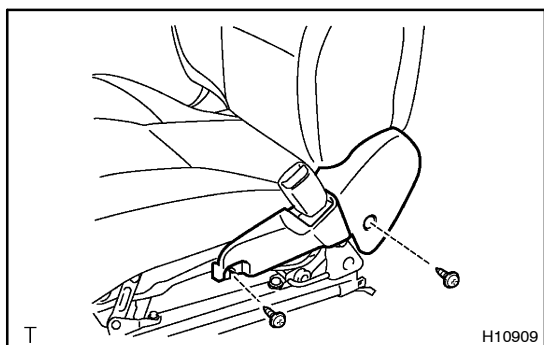
Be careful not to damage the body.

DISASSEMBLY

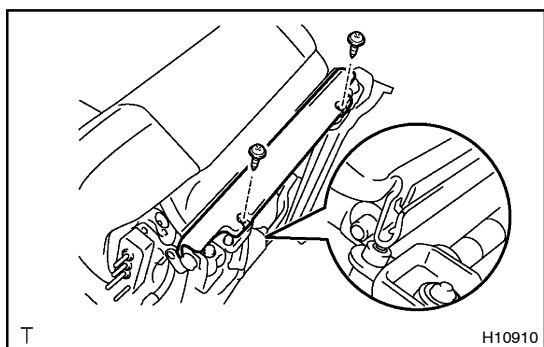
1. REMOVE HEADREST
2. REMOVE POWER SEAT SWITCH KNOB



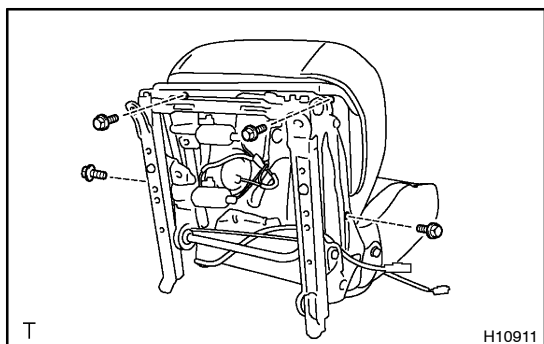
3. REMOVE FRONT SEAT CUSHION SHIELD
Remove the 4 screws and front seat cushion shield.



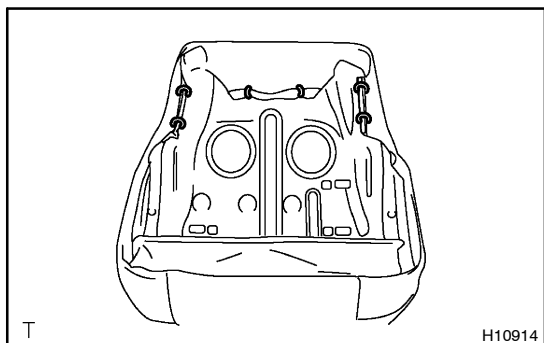
4. REMOVE FRONT SEAT CUSHION INNER SHIELD
Remove the 2 screws and front seat cushion inner shield.



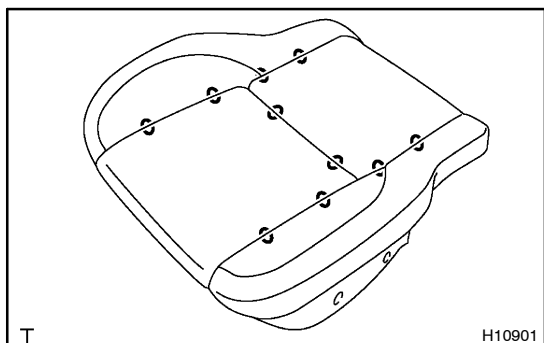
5. REMOVE SEAT CUSHION FRONT SHIELD
 - (a) Remove the 2 screws.
 - (b) Unlatch the seat cushion cover hook, then remove the seat cushion front shield.



6. REMOVE SEAT CUSHION ASSEMBLY
 - (a) Disconnect the connectors and unlatch the wire harness clamps.
 - (b) Remove the 4 bolts and seat cushion assembly with wire harness.
 - (c) Unlatch the wire harness clamps to remove the wire harness from seat cushion assembly.

**7. REMOVE SEAT CUSHION COVER**

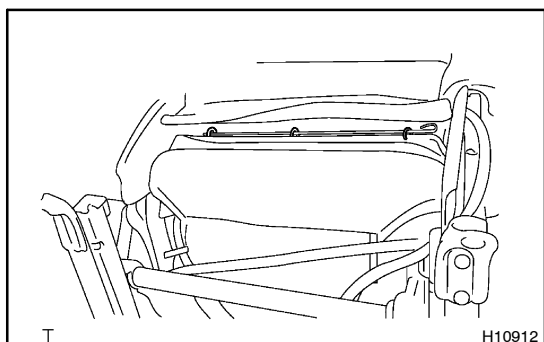
- (a) Remove the 6 hog rings.
- (b) Unlatch the seat cushion cover hooks and remove the seat cushion frame from the seat cushion cover with pad.



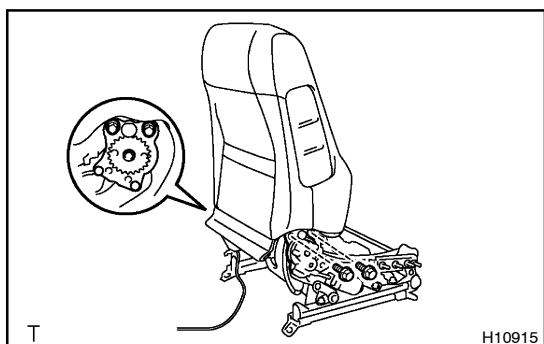
- (c) Remove the hog rings and seat cushion cover from the seat cushion pad.

8. Passenger's seat:**REMOVE SEAT BELT SENSOR**

Remove the seat belt sensor from the seat cushion pad.

**9. REMOVE SEATBACK ASSEMBLY**

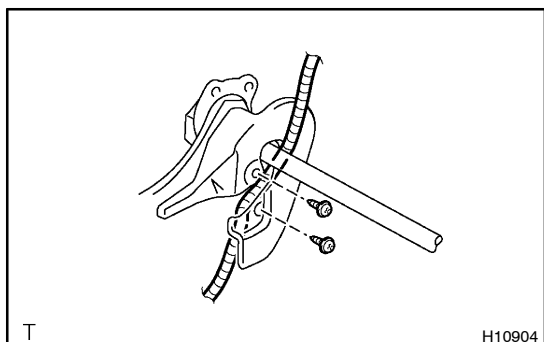
- (a) Remove the 3 hog rings.
- (b) Turn the seatback cover over, then remove the 6 hog rings.



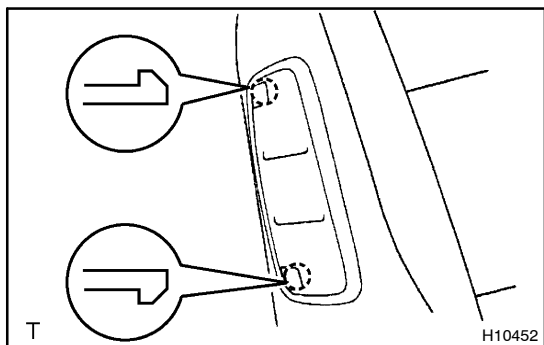
- (c) Remove the 4 seatback assembly set bolts.

NOTICE:

Be careful not to pull the side airbag assembly wire harness.



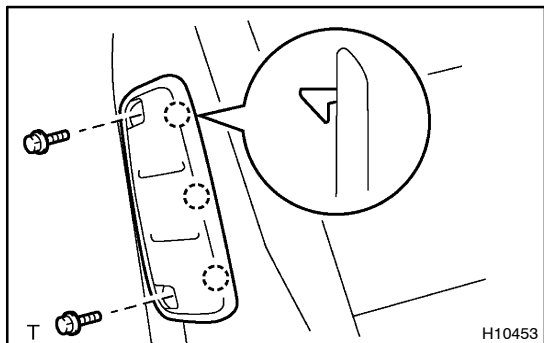
- (d) Remove the 2 screws and reclining adjuster inside cover and employ the same manner described above to the other side.
- (e) Disengage the side airbag assembly wire harness from the reclining adjuster inside cover, then remove the seatback assembly.

**10. REMOVE SEATBACK COVER**

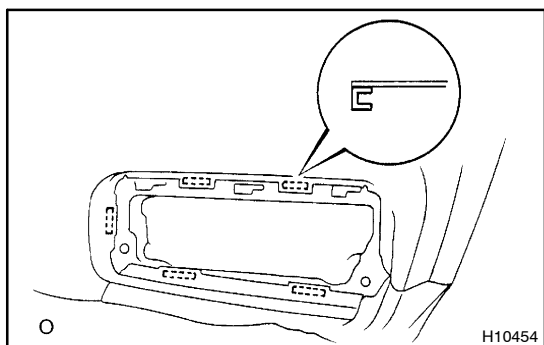
- (a) Using a screwdriver, remove the No.1 and No.2 airbag covers.

HINT:

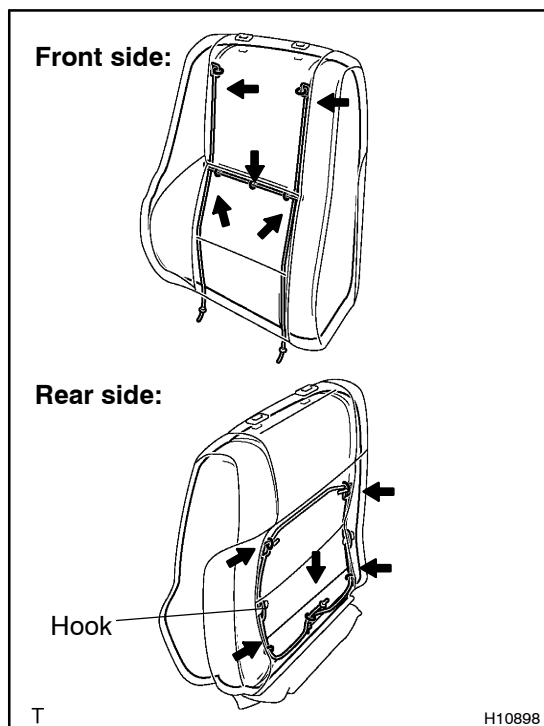
Tape the screwdriver tip before use.



- (b) Remove the 2 bolts.
(c) Slide the airbag door upward to remove it.



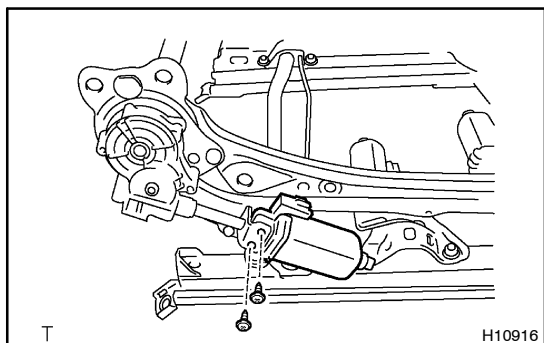
- (d) Disengage the seatback cover hooks circumference of the side airbag assembly.



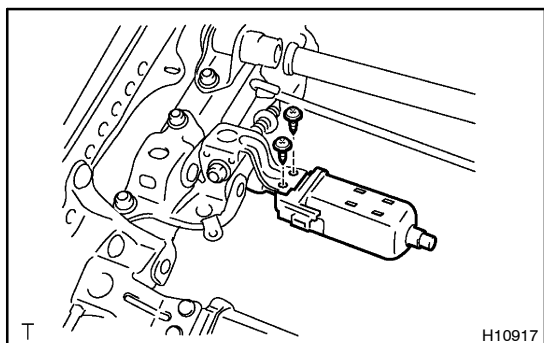
- (e) Remove the 10 hog rings, headrest supports and seat-back cover as shown in the illustration.

11. REMOVE FRONT SEAT INNER BELT

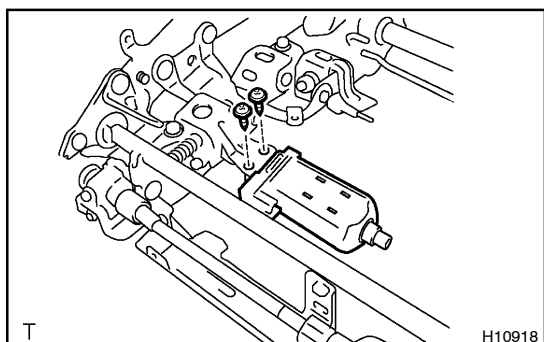
Remove the bolt, washer and front seat inner belt.

**12. REMOVE RECLINING MOTOR**

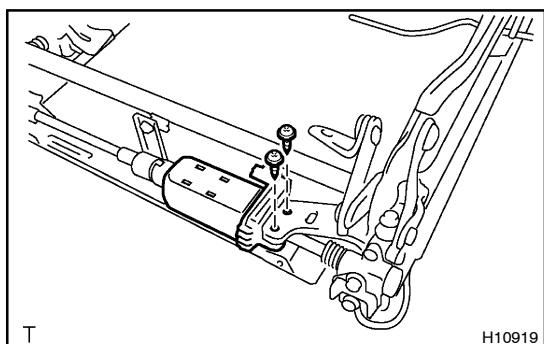
Remove the 2 screws, then disconnect the reclining motor.

**13. REMOVE LIFTER MOTOR**

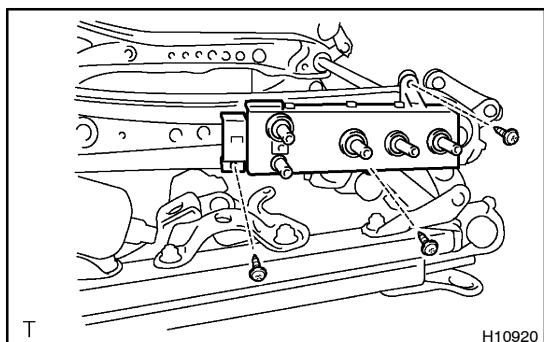
Remove the 2 screws, then disconnect the lifter motor.

**14. REMOVE FRONT VERTICAL MOTOR**

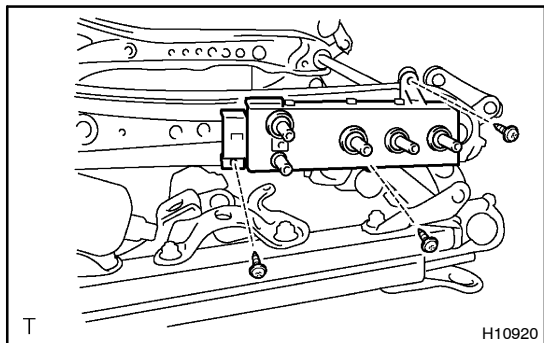
Remove the 2 screws, then disconnect the front vertical motor.

**15. REMOVE SLIDING MOTOR**

Remove the 2 screws, then disconnect the sliding motor.

**16. REMOVE POWER SEAT SWITCH**

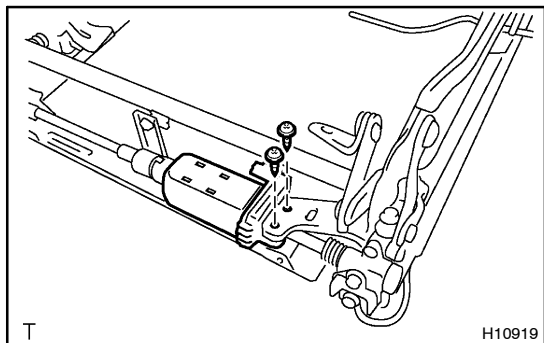
Remove the 3 screws and power seat switch.



REASSEMBLY

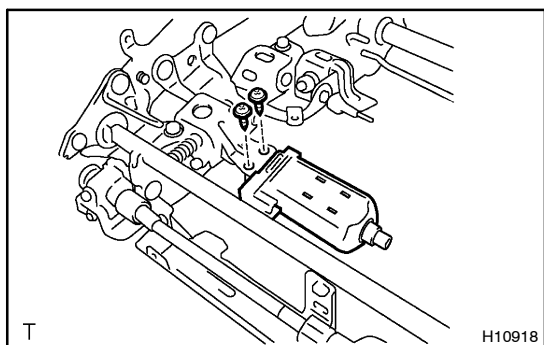
1. INSTALL POWER SEAT SWITCH

Install the power seat switch with the 3 screws.



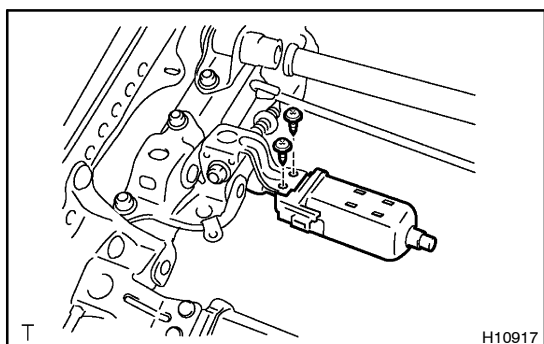
2. INSTALL SLIDING MOTOR

Connect the slide motor to the shaft, then install the 2 screws.



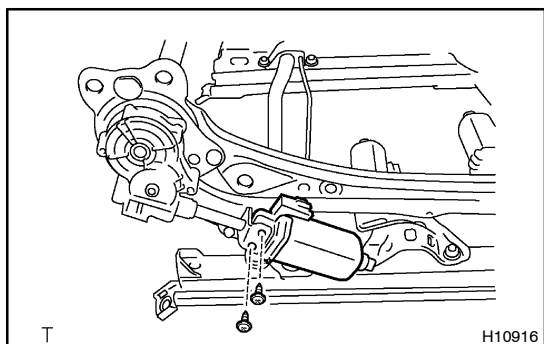
3. INSTALL FRONT VERTICAL MOTOR

Connect the front vertical motor, then install the 2 screws.



4. INSTALL LIFTER MOTOR

Connect the lifter motor, then install the 2 screws.



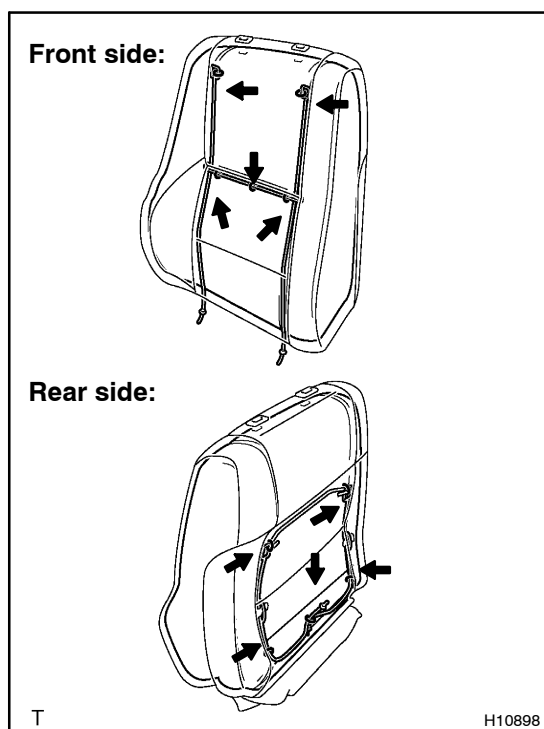
5. INSTALL RECLINING MOTOR

Connect the reclining motor, then install the 2 screws.

6. INSTALL FRONT SEAT INNER BELT

Install the front seat inner belt with the bolt and washer.

Torque: 41 N·m (420 kgf·cm, 30 ft·lbf)



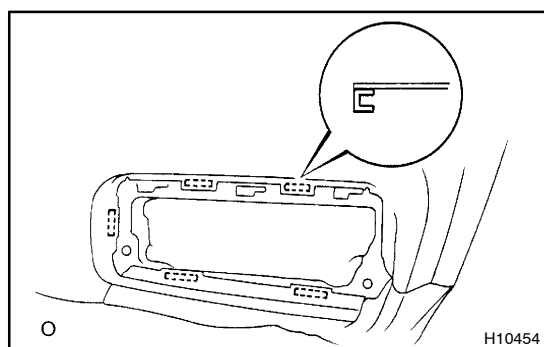
7. INSTALL SEATBACK COVER

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

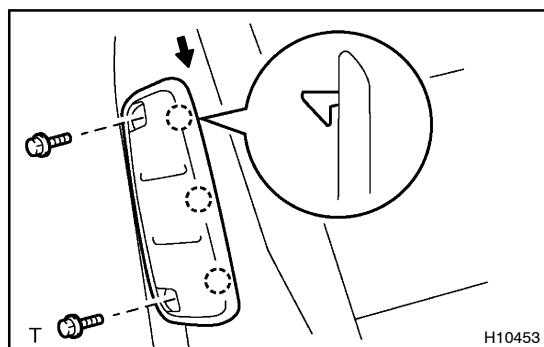
HINT:

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

- (b) Install the headrest supports.



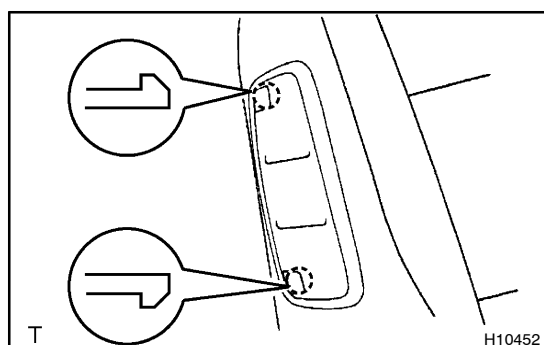
- (c) Hook the seatback cover hooks through the holes in the circumference of the side airbag assembly.



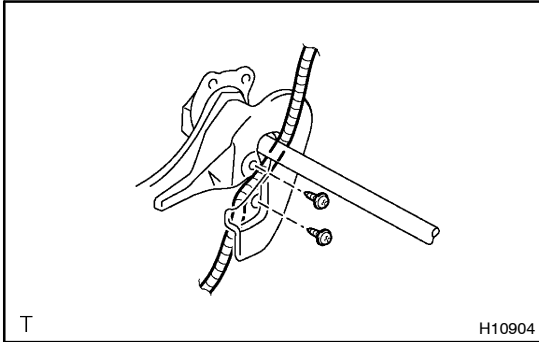
- (d) Slide the airbag door downward to install it.

- (e) Install the 2 bolts.

Torque: 4.7 N·m (48 kgf·cm, 42 in·lbf)



- (f) Install the No.1 and No.2 airbag covers.

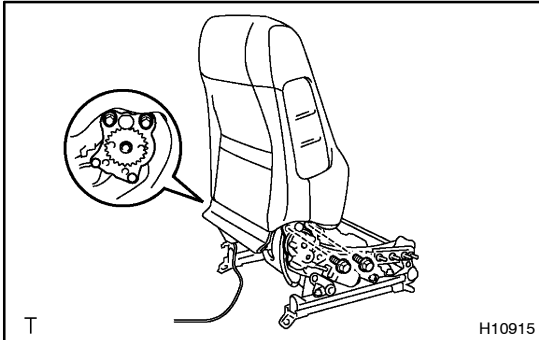


8. INSTALL SEATBACK ASSEMBLY

NOTICE:

**Never use the seatback assembly from another vehicle.
When replacing parts, replace them with new parts.**

- Set the side airbag assembly wire harness to the reclining adjuster inside cover.
- Install the 2 screws and reclining adjuster inside cover and employ the same manner described above to the other side.



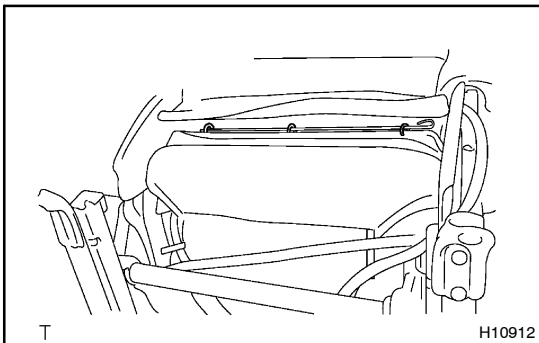
- Install the seatback assembly with the 4 bolts.

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

- Turn the seatback cover over, then install 6 new hog rings.

HINT:

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



- Install 3 new hog rings.

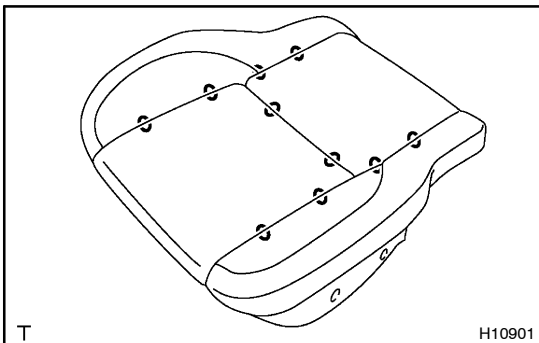
HINT:

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

9. Passenger's side:

INSTALL SEAT BELT SENSOR

Install the seat belt sensor to the seat cushion pad.

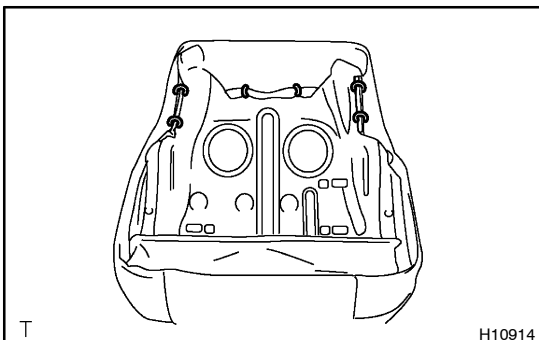


10. INSTALL SEAT CUSHION COVER

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

HINT:

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

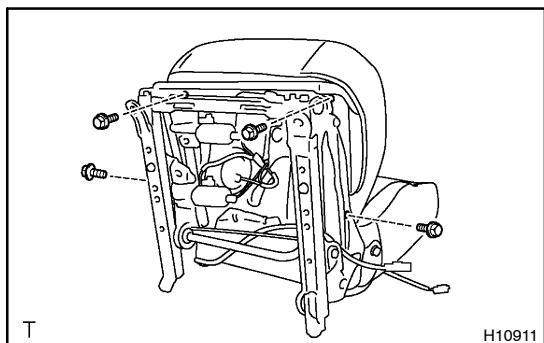


- Latch the seat cushion cover hooks to install the seat cushion cover with pad to the seat cushion pad.

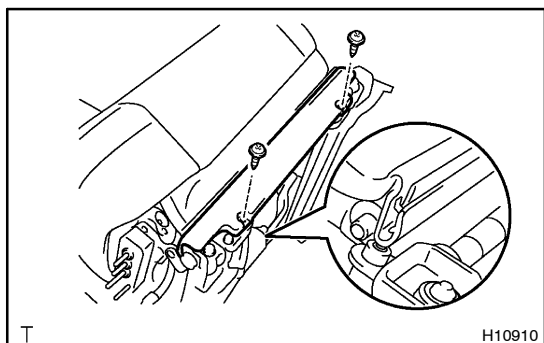
- Install 6 new hog rings.

HINT:

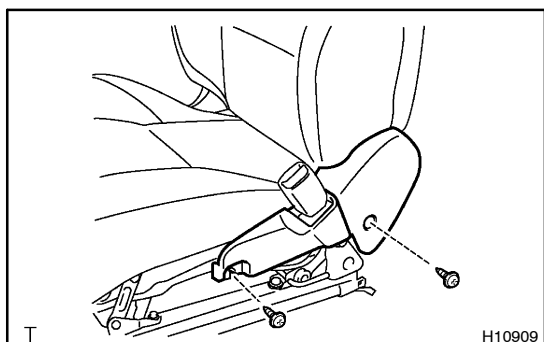
When installing the hog rings, take care to prevent wrinkles as little as possible.

**11. INSTALL SEAT CUSHION ASSEMBLY**

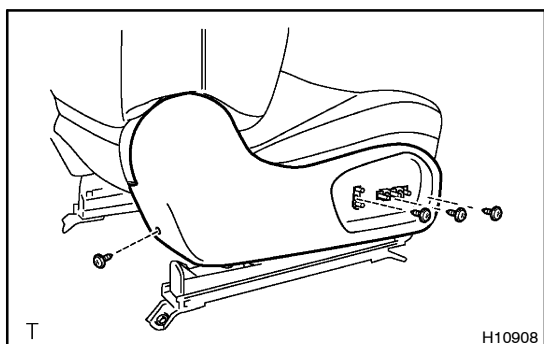
- (a) Install the seat cushion assembly with the 4 bolts.
Torque: 21 N·m (210 kgf·cm, 15 ft·lbf)
- (b) Attach the wire harness clamps.
- (c) Attach the side airbag assembly wire harness clamps.

**12. INSTALL SEAT CUSHION FRONT SHIELD**

- (a) Latch the seat cushion cover hook to the seat cushion front shield.
- (b) Install the seat cushion front shield with the 2 screws.

**13. INSTALL FRONT SEAT CUSHION INNER SHIELD**

Install the front seat cushion inner shield with the 2 screws.

**14. INSTALL FRONT SEAT CUSHION SHIELD**

Install the front seat cushion shield with the 4 screws.

15. INSTALL POWER SEAT SWITCH KNOBS**16. INSTALL HEADREST**

INSTALLATION

1. INSTALL FRONT SEAT

- (a) Mount the front seat to the vehicle.

NOTICE:

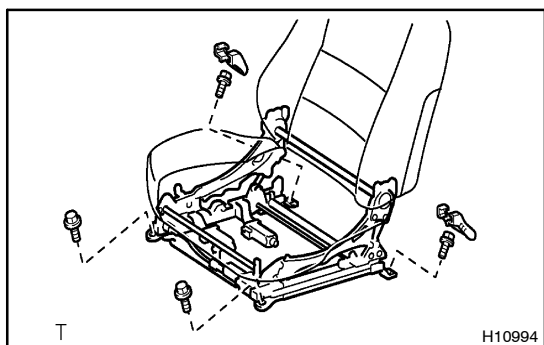
Be careful not to damage the body.

- (b) Connect the connectors.

NOTICE:

When the wiring connector of the side airbag assembly is disconnected and the ignition switch is at ON or ACC position, DTCs will be recorded. To clear DTCs, see page [DI-287](#).

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



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

Torque: 38 N·m (387 kgf·cm, 28 ft·lbf)

- (e) Slide the front seat to the most front position.

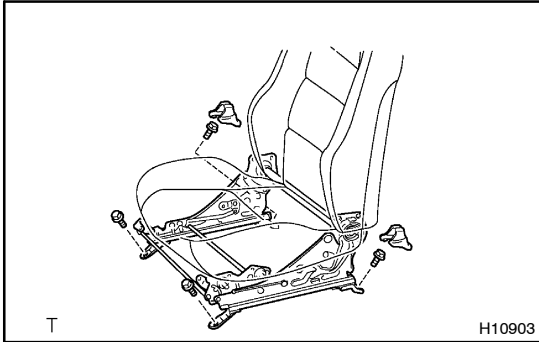
- (f) Tighten the bolts on the rear side temporarily, starting from the bolt on the inner side tighten them completely.

Torque: 38 N·m (387 kgf·cm, 28 ft·lbf)

2. INSTALL SEAT TRACK COVERS

BO2D7-01





REMOVAL

1. REMOVE SEAT TRACK COVERS

Using a screwdriver, remove the seat track covers.

HINT:

Tape the screwdriver tip before use.

2. REMOVE FRONT SEAT

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

NOTICE:

Be careful not to damage the body.

DISASSEMBLY

1. REMOVE HEADREST

2. REMOVE VERTICAL ADJUSTER KNOBS

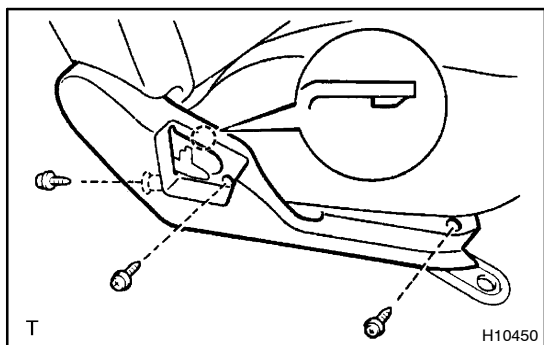
Using a screwdriver, remove the 2 clips and 2 vertical adjuster knobs.

HINT:

Tape the screwdriver tip before use.

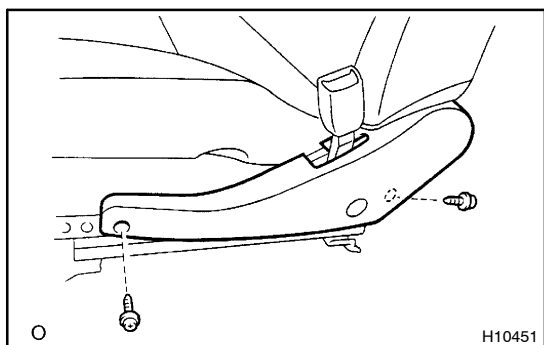
3. REMOVE RECLINING ADJUSTER RELEASE HANDLE

Remove the screw and reclining adjuster release handle.



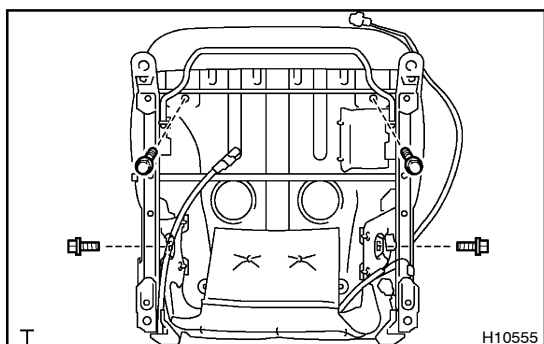
4. REMOVE FRONT SEAT CUSHION SHIELD

Remove the 3 screws and front seat cushion shield.



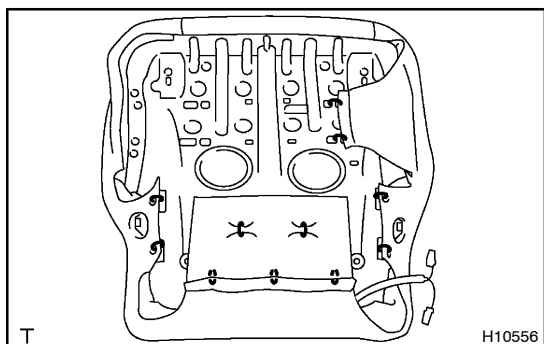
5. REMOVE FRONT SEAT CUSHION INNER SHIELD

Remove the 2 screws and front seat cushion inner shield.



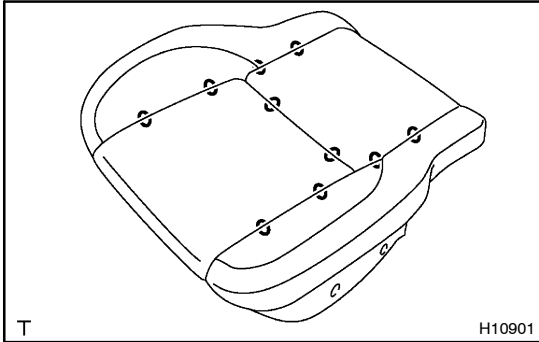
6. REMOVE SEAT CUSHION ASSEMBLY

- Unlatch the side airbag assembly wire harness clamps.
- Disengage the wire harness clamp.
- Remove the 4 bolts and seat cushion assembly.



7. REMOVE SEAT CUSHION COVER

- Remove the hog rings.
- Unlatch the seat cushion cover hooks and remove the seat cushion frame from the seat cushion cover with pad.

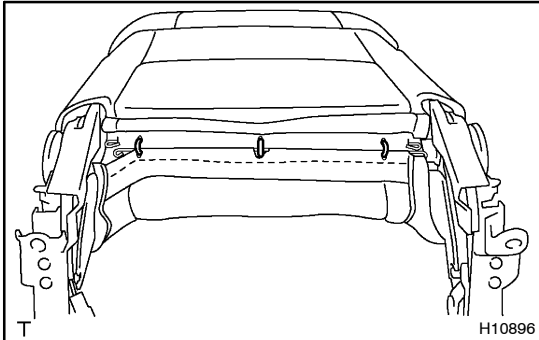


- (c) Remove the hog rings and seat cushion cover from the seat cushion pad.

8. Passenger's side:

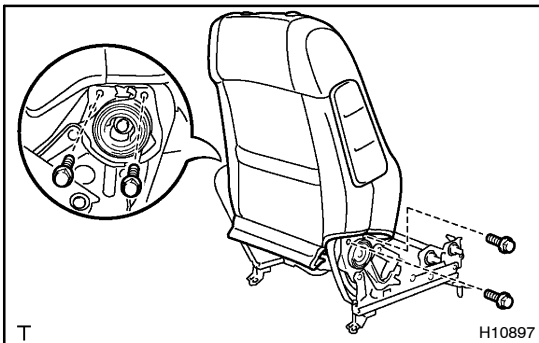
REMOVE SEAT BELT SENSOR

Remove the seat belt sensor from the seat cushion pad.



9. REMOVE SEATBACK ASSEMBLY

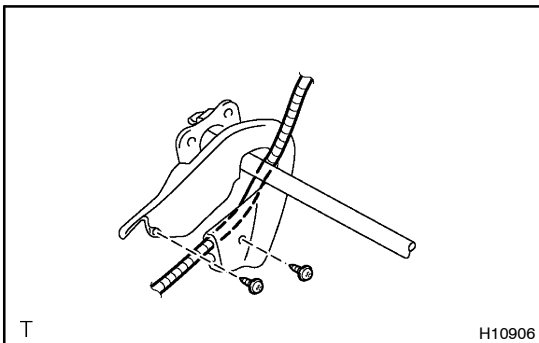
- (a) Remove the 3 hog rings.
(b) Turn the seatback cover over, then remove the 6 hog rings.



- (c) Remove the 4 seatback assembly set bolts.

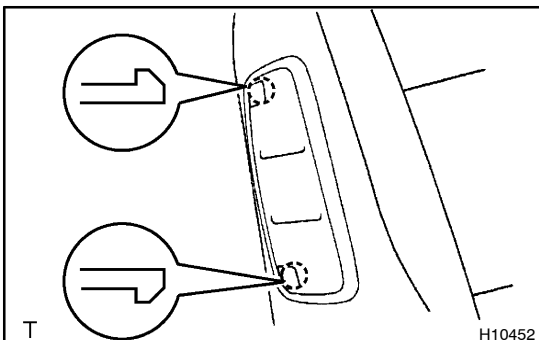
NOTICE:

Be careful not to pull the side airbag assembly wire harness.



- (d) Remove the 2 screws and reclining adjuster inside cover and employ the same manner described above to the other side.

- (e) Disengage the side airbag assembly wire harness from the reclining adjuster inside covers, then remove the seatback assembly.

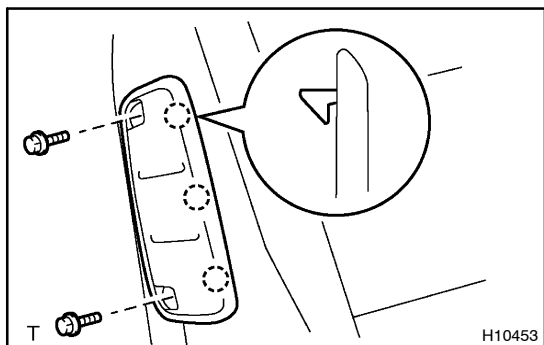


10. REMOVE SEATBACK COVER

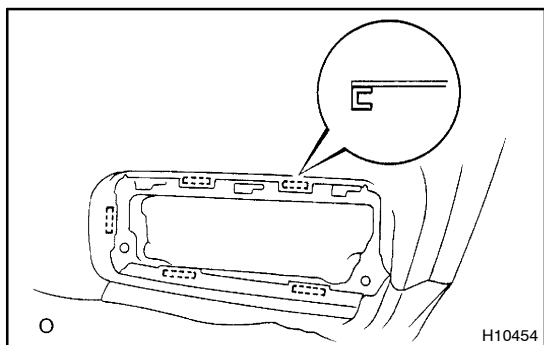
- (a) Using a screwdriver, remove the No.1 and No.2 airbag covers.

HINT:

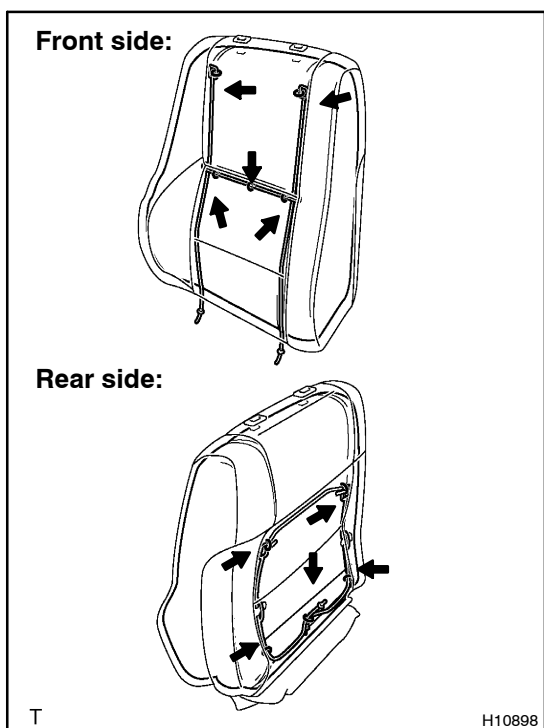
Tape the screwdriver tip before use.



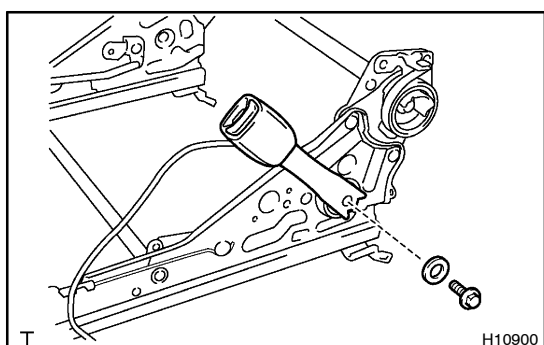
- (b) Remove the 2 bolts.
- (c) Slide the airbag door upward to remove it.



- (d) Unlatch the seatback cover hooks circumference of the side airbag assembly.



- (e) Remove the 10 hog rings, headrest supports and seatback cover as shown in the illustration.



11. REMOVE FRONT SEAT INNER BELT

Remove the bolt, washer and front seat inner belt.

12. REMOVE SEAT TRACK HANDLE

Using a screwdriver, remove the seat track handle.

HINT:

Tape the screwdriver tip before use.

13. REMOVE RECLINING CONNECTING ROD AND PIPE

Remove the 4 nuts, reclining connecting rod and pipe.

14. DISASSEMBLE OUTER TRACK AND INNER TRACK

Using a screwdriver, remove the 2 E-rings from the outer side on the inner track.

HINT:

Tape the screwdriver tip before use.

INSPECTION

INSPECT RECLINING LOCK POSITION AND SLIDING LOCK POSITION SLIPPING OFF

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

HINT:

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

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

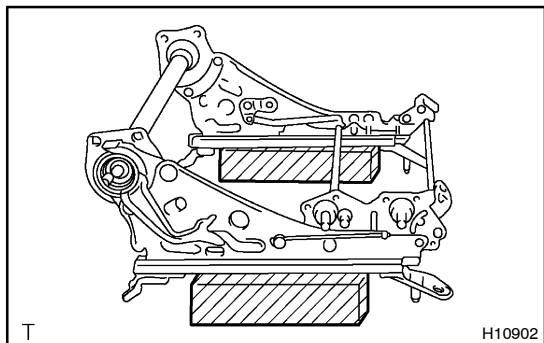
HINT:

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

REASSEMBLY

1. ASSEMBLE OUTER TRACK AND INNER TRACK

Assemble the outer track and inner track with 2 new E-rings.



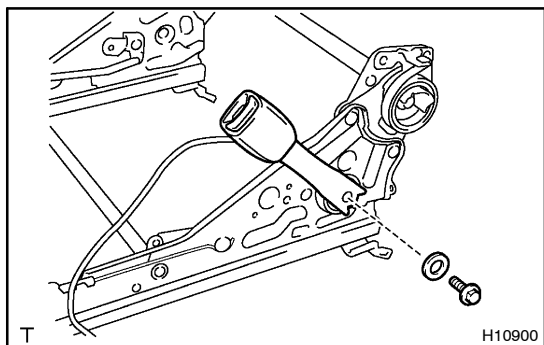
2. INSTALL RECLINING CONNECTING ROD AND PIPE

- Adjust the reclining lock positions of the seat adjusters.
- Slide the seat adjusters to the most front position.
- Place the adjusters on a spacer to adjust the seat rails in parallel and install the connecting pipe and rod with the 4 nuts.

HINT:

When installing the connecting pipe while raising up the adjusters, the lock positions adjusted in 2-(a) step slip off then lock error will occur.

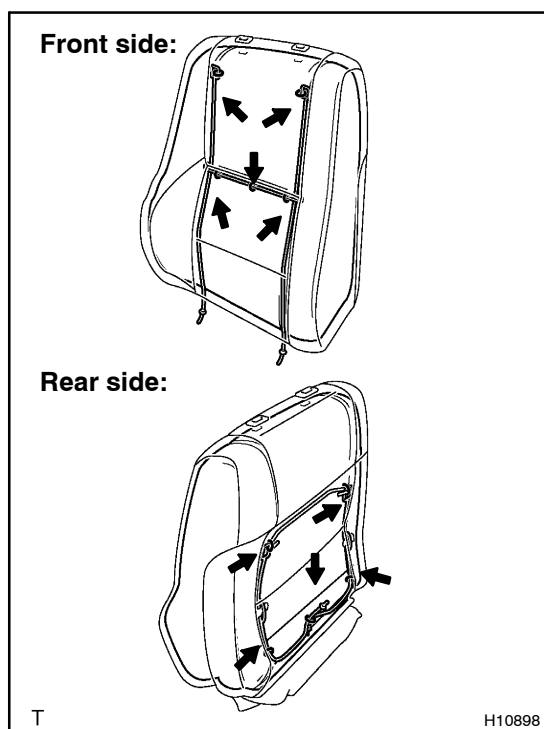
3. INSTALL SEAT TRACK HANDLE



4. INSTALL FRONT SEAT INNER BELT

Install the front seat inner belt with the washer and bolt.

Torque: 41 N·m (420 kgf·cm, 30 ft·lbf)



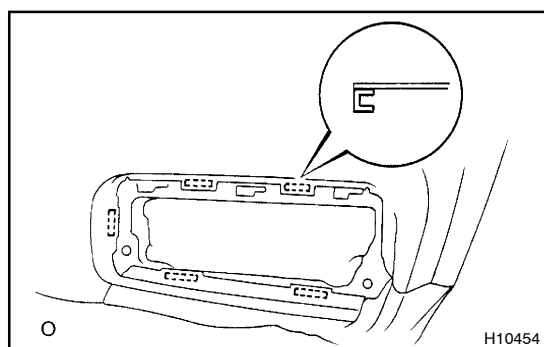
5. INSTALL SEATBACK COVER

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

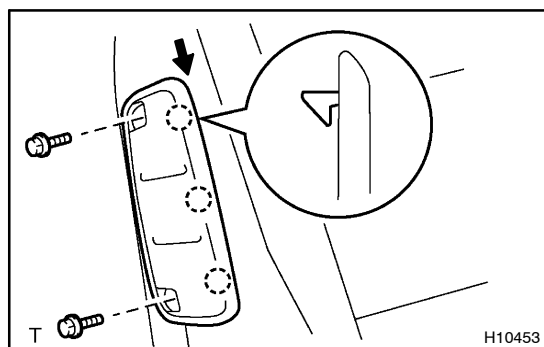
HINT:

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

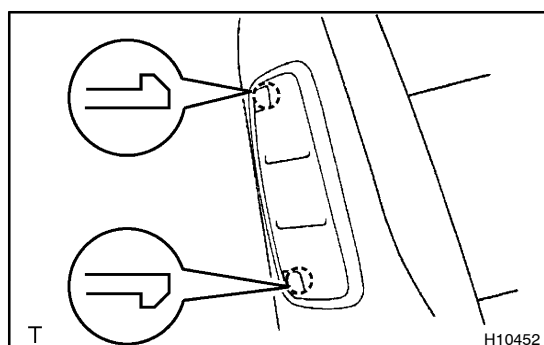
- (b) Install the headrest supports.



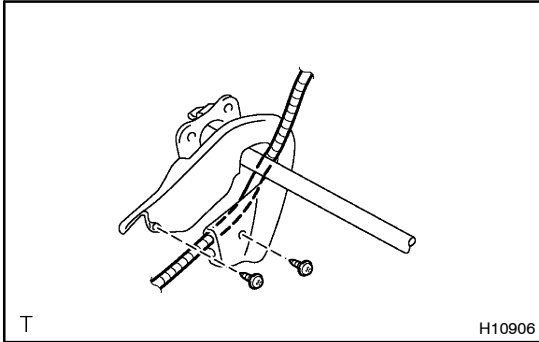
- (c) Hook the seatback cover hooks through the holes in the circumference of the side airbag assembly.



- (d) Slide the airbag door downward to install it.
(e) Install the 2 bolts.



- (f) Install the No.1 and No.2 airbag covers.

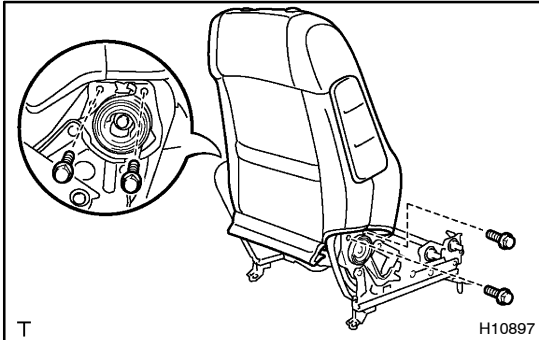


6. INSTALL SEATBACK ASSEMBLY

NOTICE:

Never use the seatback assembly from another vehicle.
When replacing parts, replace them with new parts.

- (a) Set the side airbag assembly wire harness to the reclining adjuster inside covers.
- (b) Install the reclining adjuster inside cover with the 2 screws and employ the same manner described above to the other side.



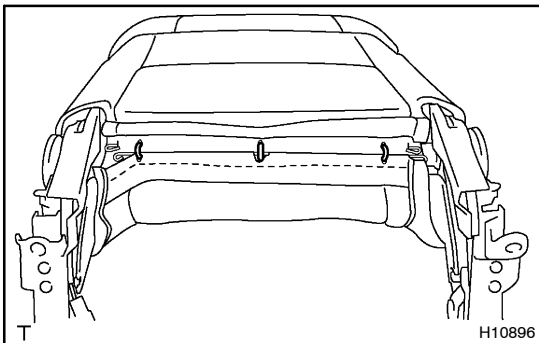
- (c) Install the seatback assembly with the 4 bolts.

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

- (d) Turn the seatback cover over, then install 6 new hog rings.

HINT:

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



- (e) Install 3 new hog rings as shown in the illustration.

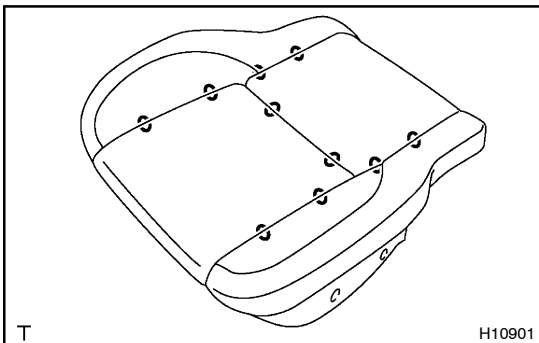
HINT:

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

7. Passenger's seat:

INSTALL SEAT BELT SENSOR

Install the seat belt sensor to the seat cushion pad.

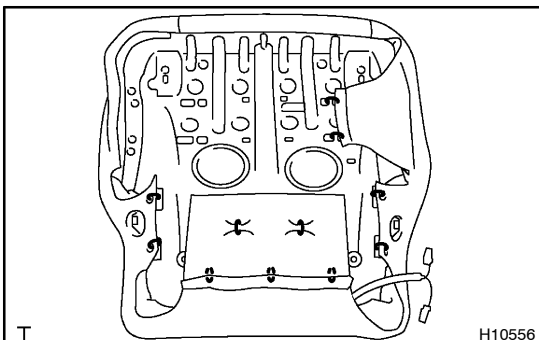


8. INSTALL SEAT CUSHION COVER

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

HINT:

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

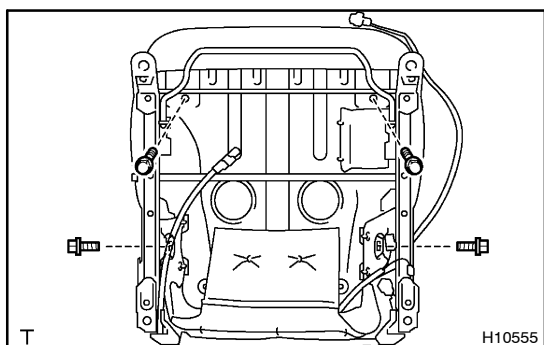


- (b) Latch the seat cushion cover hooks to install the seat cushion cover with pad to the seat cushion pad.

- (c) Install new hog rings.

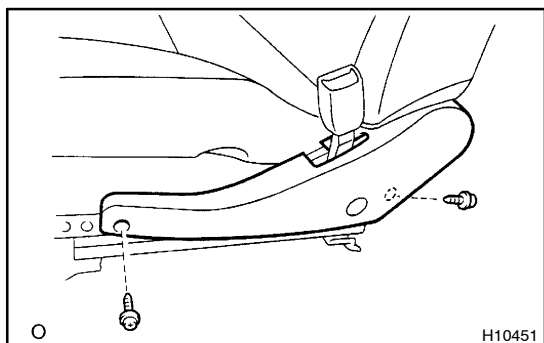
HINT:

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



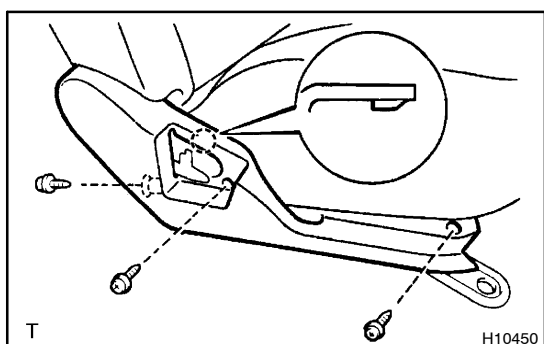
9. INSTALL SEAT CUSHION ASSEMBLY

- (a) Install the seat cushion assembly with the 4 bolts.
Torque: 21 N·m (210 kgf·cm, 15 ft·lbf)
- (b) Attach the wire harness clamps.
- (c) Attach the side airbag assembly wire harness clamps.



10. INSTALL FRONT SEAT CUSHION INNER SHIELD

Install the front seat cushion inner shield with the 2 screws.



11. INSTALL FRONT SEAT CUSHION OUTER SHIELD

Install the front seat cushion outer shield with the 3 screws.

12. INSTALL RECLINING ADJUSTER RELEASE HANDLE

Install the reclining adjuster release handle with the screw.

13. INSTALL VERTICAL ADJUSTER KNOBS

Install the 2 vertical adjuster knobs with the 2 clips.

14. INSTALL HEADREST

INSTALLATION

1. INSTALL FRONT SEAT

- (a) Mount the front seat to the vehicle.

NOTICE:

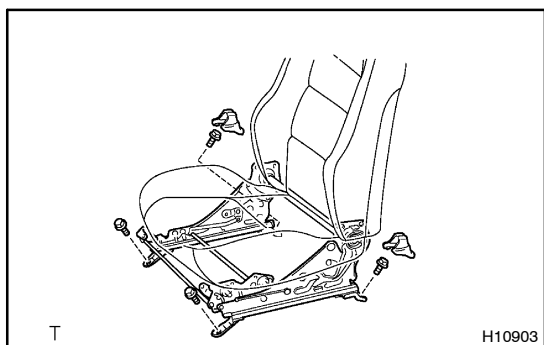
Be careful not to damage the body.

- (b) Connect the connectors.

NOTICE:

When the wiring connector of the side airbag assembly is disconnected and the ignition switch is at ON or ACC position, DTCs will be recorded. To clear DTCs, see page [DI-287](#).

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



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

Torque: 38 N·m (387 kgf·cm, 28 ft·lbf)

- (e) Slide the front seat to the most front position.

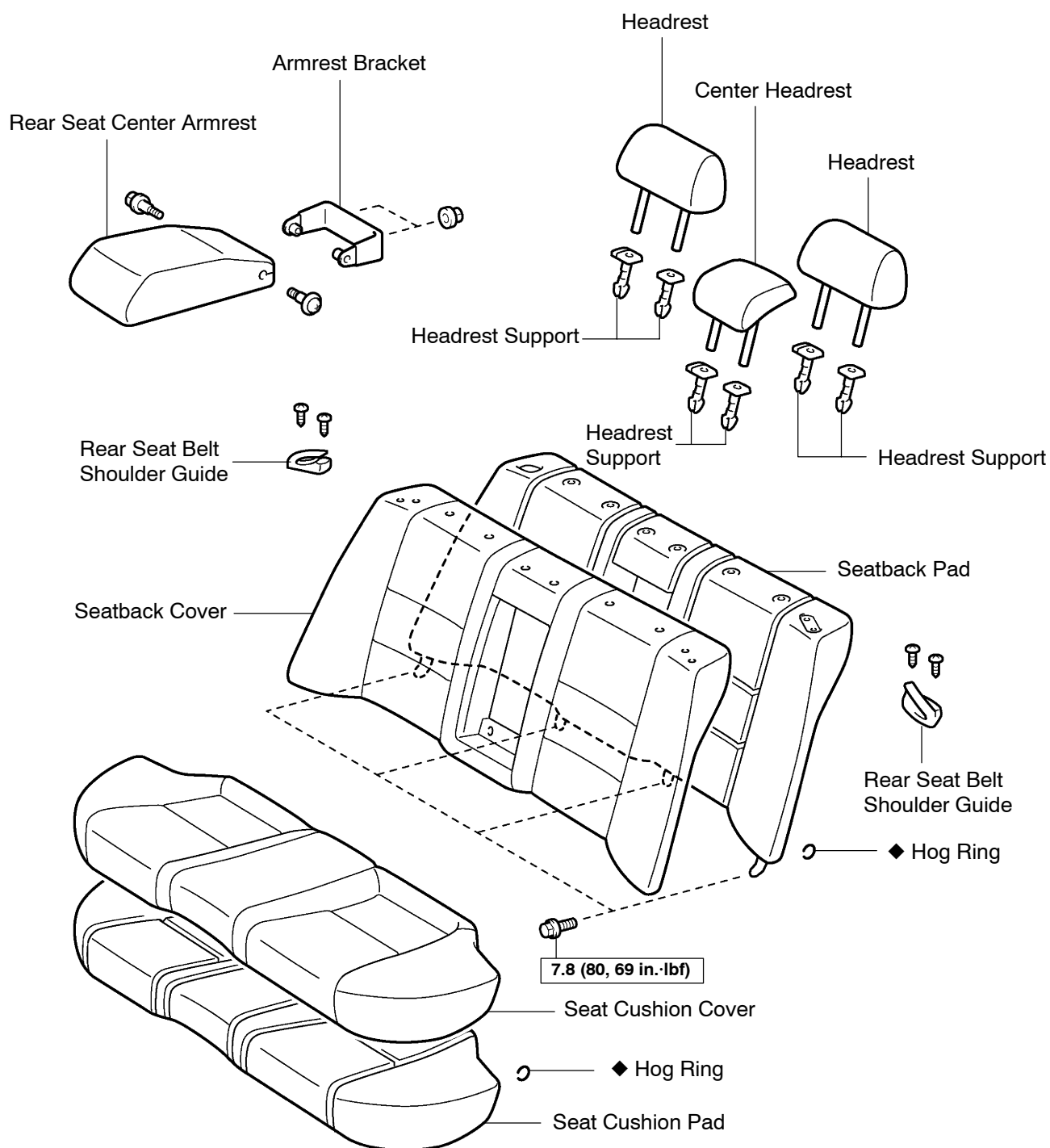
- (f) Tighten the bolts on the rear side temporarily, starting from the bolt on the inner side tighten them completely.

Torque: 38 N·m (387 kgf·cm, 28 ft·lbf)

2. INSTALL SEAT TRACK COVERS

REAR SEAT COMPONENTS

BO237-02

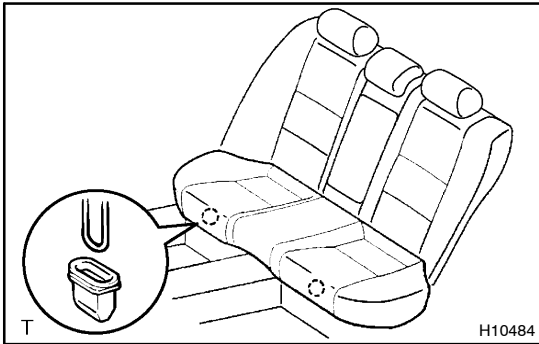


T

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

◆ Non-reusable part

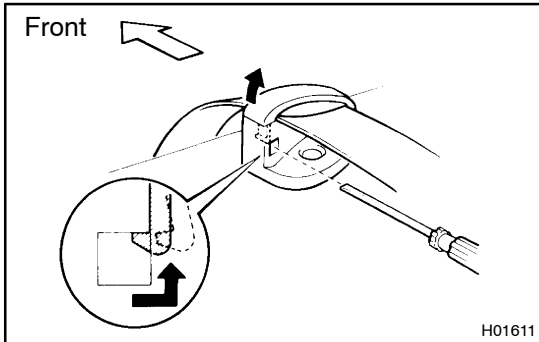
H10923



REMOVAL

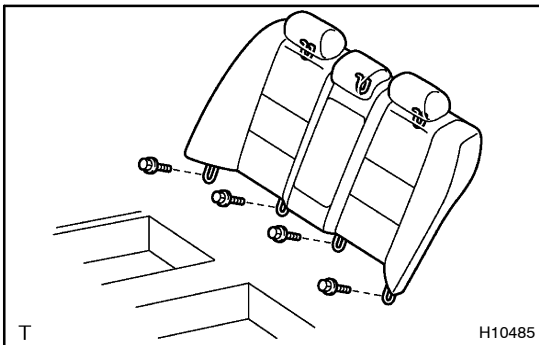
1. REMOVE SEAT CUSHION ASSEMBLY

Pull up the front portion of the seat cushion assembly, then remove it.



2. REMOVE SEATBACK ASSEMBLY

- (a) Using a screwdriver, remove the rear seat belt from the belt guide as shown in the illustration.
- (b) Employ the same manner described above to the other sides.



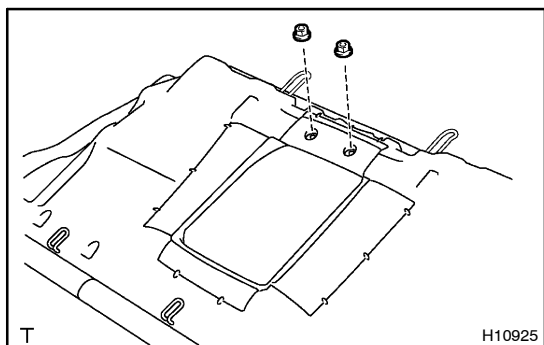
- (c) Remove the 4 bolts, then raise the seatback assembly upward to remove the seatback assembly.

DISASSEMBLY

1. REMOVE HEADRESTS

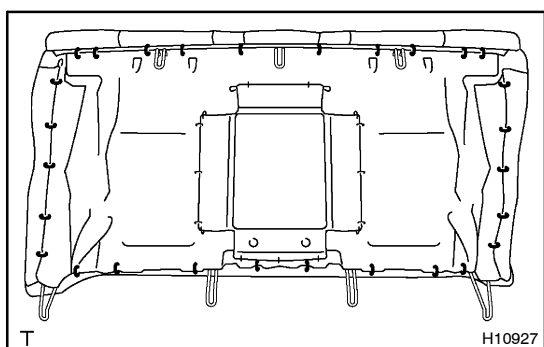
2. REMOVE REAR SEAT BELT SHOULDER GUIDES

Remove the 4 screws and rear seat belt shoulder guides.



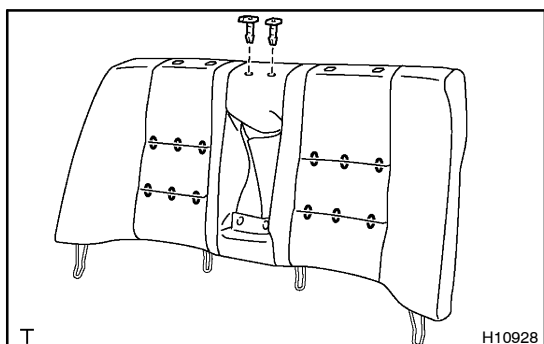
3. REMOVE REAR SEAT CENTER ARMREST

- (a) Remove the 2 nuts and rear seat center armrest with bracket.
- (b) Remove the 2 screws and armrest bracket.

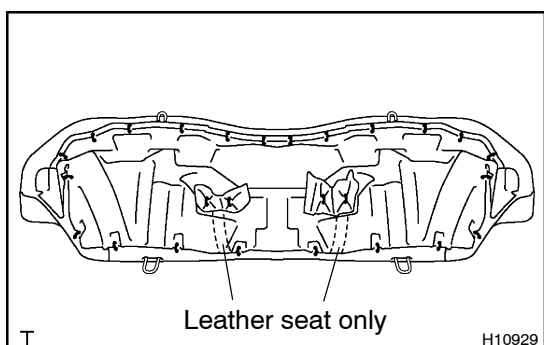


4. REMOVE SEATBACK COVER

- (a) Remove the 4 headrest supports.
- (b) Remove the hog rings on the back of seatback assembly.

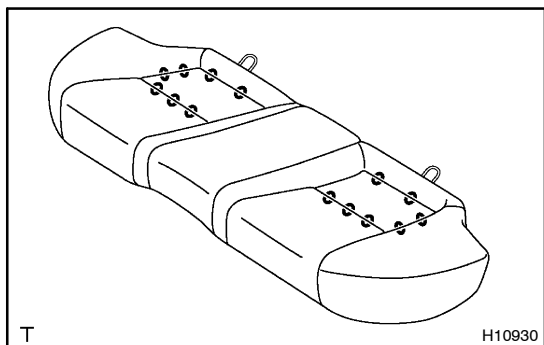


- (c) Remove the center headrest supports.
- (d) Remove the hog rings and seatback cover on the front of seatback assembly.

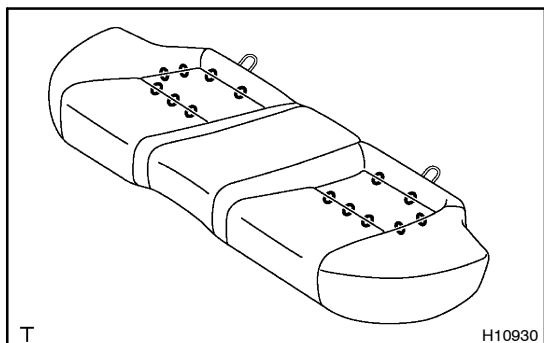


5. REMOVE SEAT CUSHION COVER

- (a) Remove the hog rings on the back of seat cushion assembly.



- (b) Remove the hog rings and seat cushion cover on the front of the seat cushion assembly.



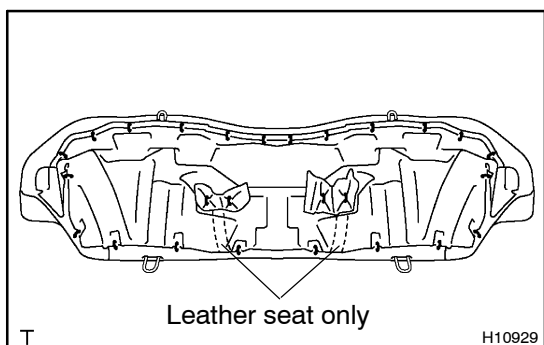
REASSEMBLY

1. INSTALL SEAT CUSHION COVER

- (a) Install the seat cushion cover with new hog rings to the front of seat cushion assembly.

HINT:

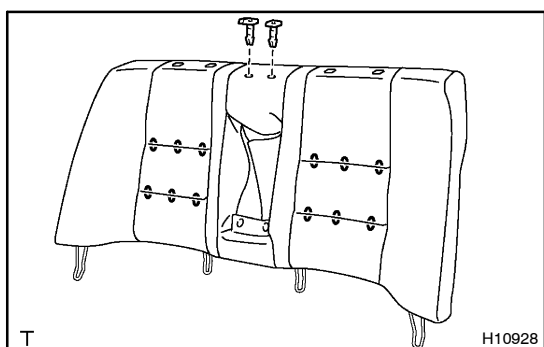
When installing the hog rings, take care to prevent wrinkles as little as possible.



- (b) Install new hog rings to the back of seat cushion assembly.

HINT:

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



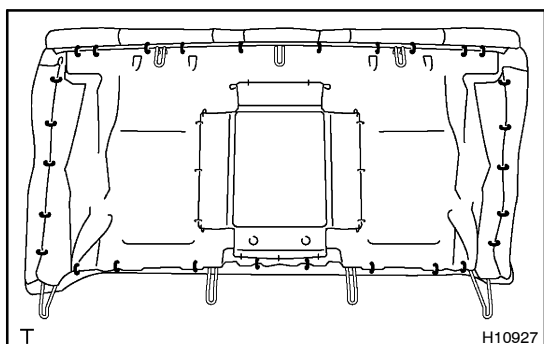
2. INSTALL SEATBACK COVER

- (a) Install seatback cover with new hog rings to the front of seatback assembly.

HINT:

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

- (b) Install the center headrest supports.

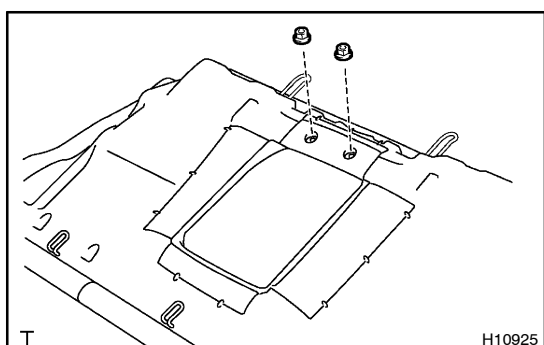


- (c) Install new hog rings on the back of seatback assembly.

HINT:

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

- (d) Install the 4 headrest supports.



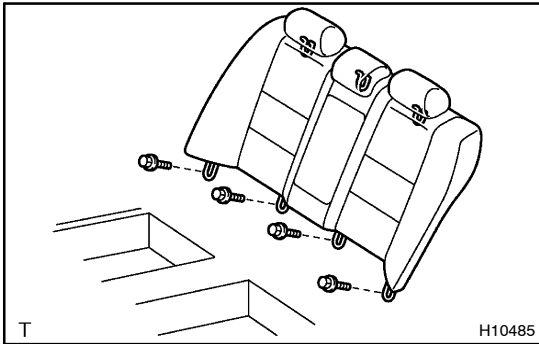
3. INSTALL REAR SEAT CENTER ARMREST

- (a) Install the armrest bracket with the 2 screws to the rear seat center armrest.
- (b) Install the rear seat center armrest with the bracket to the seatback assembly with the 2 nuts.

4. INSTALL REAR SEAT BELT SHOULDER GUIDES

Install the rear seat belt shoulder guides with the 4 screws to the seatback assembly.

5. INSTALL HEADRESTS



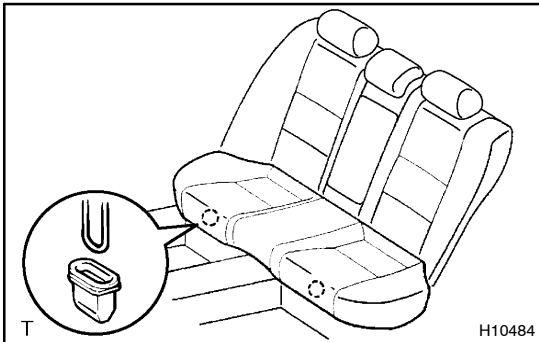
INSTALLATION

1. INSTALL SEATBACK ASSEMBLY

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

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

- (b) Install the rear seat belts to the belt guides, then close the belt guides.

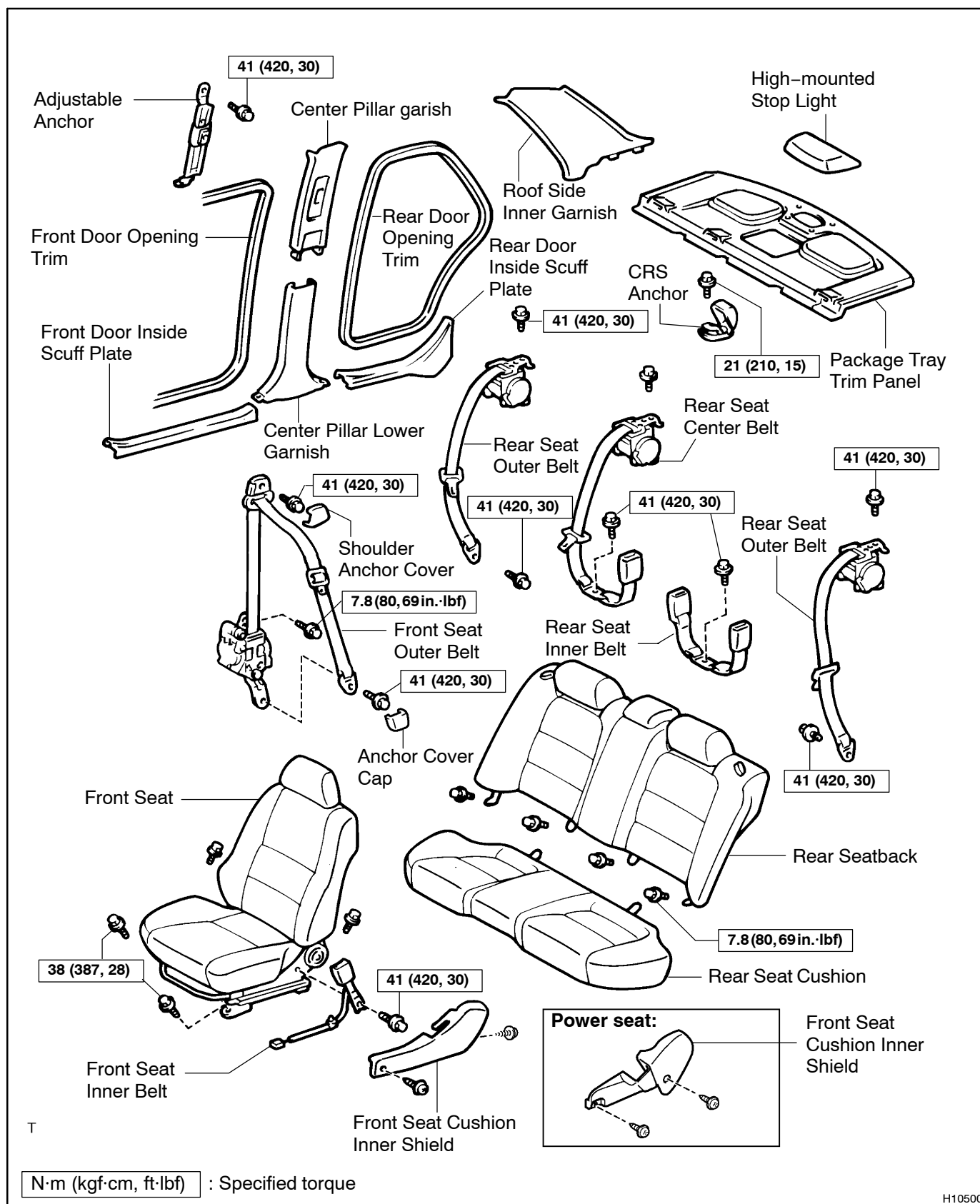


2. INSTALL SEAT CUSHION ASSEMBLY

Push down the front portion of the seat cushion assembly to install it.

SEAT BELT COMPONENTS

800VN-04



H10500

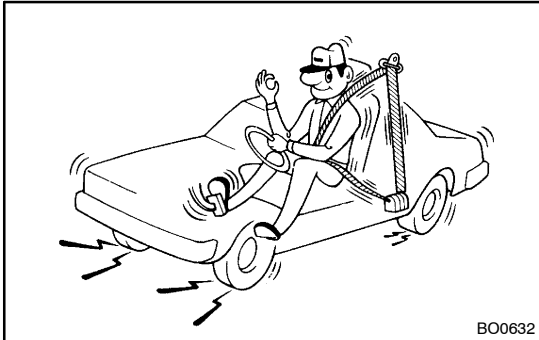
INSPECTION

CAUTION:

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

1. RUNNING TEST (IN SAFE AREA)

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

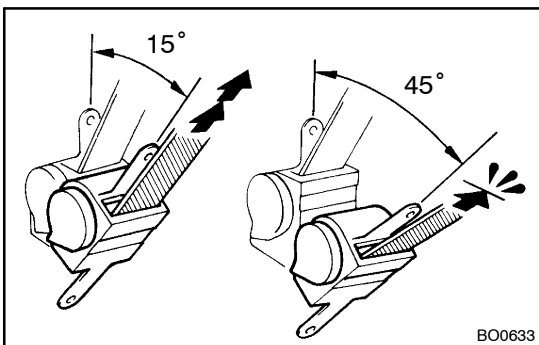


HINT:

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 over 45 degrees of tilt.

If a problem is found, replace the assembly.

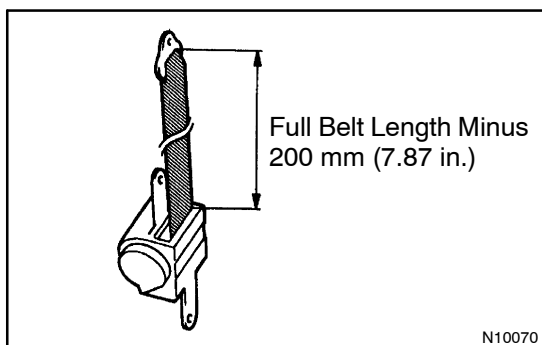
3. Except Driver's Seat Belt (ELR/ALR): STATIC TEST

- (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.

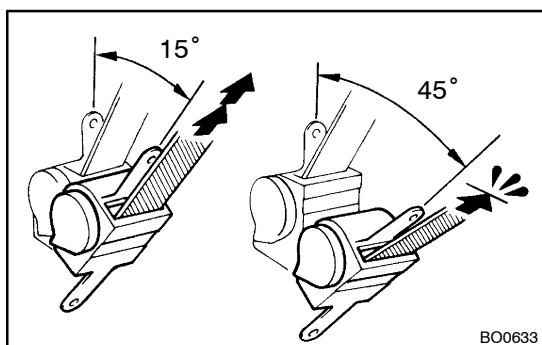
Then retract the belt slightly and pull it out again.

- (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.

SEAT BELT PRETENSIONER REMOVAL

NOTICE:

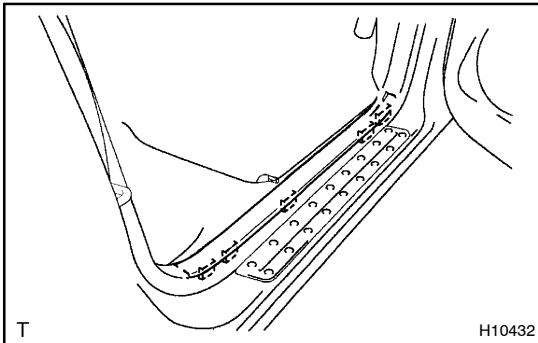
- If the wiring connector of the seat belt pretensioner is disconnected with the ignition switch at ON or ACC, diagnostic trouble codes will be recorded.
- Never use seat belt pretensioner from another vehicle. When replacing parts, replace them with new parts.

1. REMOVE FRONT DOOR INSIDE SCUFF PLATE

Using a screwdriver, remove the front door inside scuff plate.

HINT:

Tape the screwdriver tip before use.

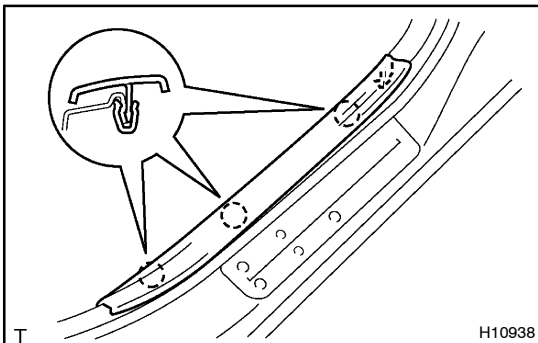


2. REMOVE REAR DOOR INSIDE SCUFF PLATE

Using a screwdriver, remove the rear door inside scuff plate.

HINT:

Tape the screwdriver tip before use.

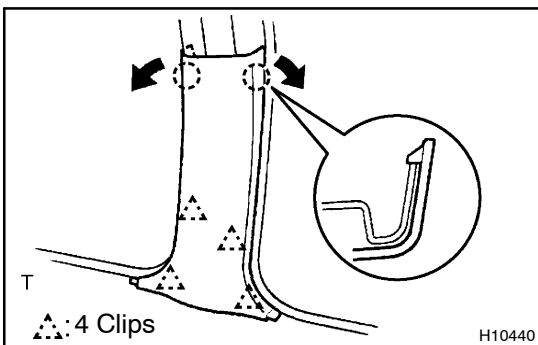


3. REMOVE REAR PART OF FRONT DOOR OPENING TRIM

4. REMOVE FRONT PART OF REAR DOOR OPENING TRIM

5. REMOVE CENTER PILLAR LOWER GARNISH

Remove the center pillar lower garnish as shown in the illustration.



6. REMOVE FRONT SEAT OUTER BELT

(a) Using a screwdriver, remove the shoulder anchor cover.

HINT:

Tape the screwdriver tip before use.

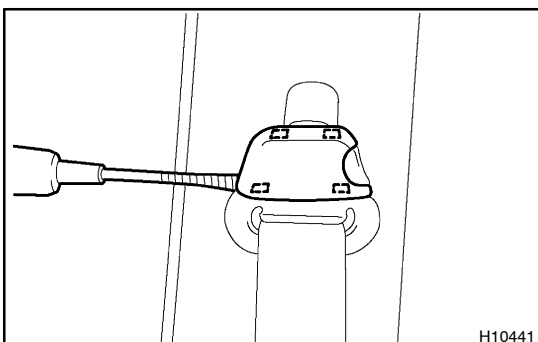
(b) Remove the bolt and shoulder anchor.

(c) Using a screwdriver, remove the floor anchor cover.

HINT:

Tape the screwdriver tip before use.

(d) Remove the bolt and floor anchor.



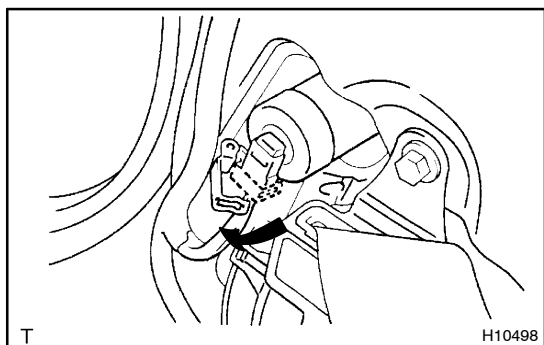
(e) Remove the retractor of front seat outer belt.

CAUTION:

Never disassemble the front seat outer belt.

NOTICE:

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



- (1) 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.

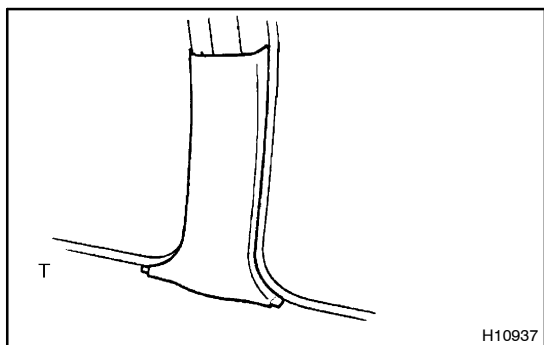
- (2) Remove the bolt and retractor of front seat outer belt.

INSPECTION

1. PRETENSIONER IS NOT ACTIVATED

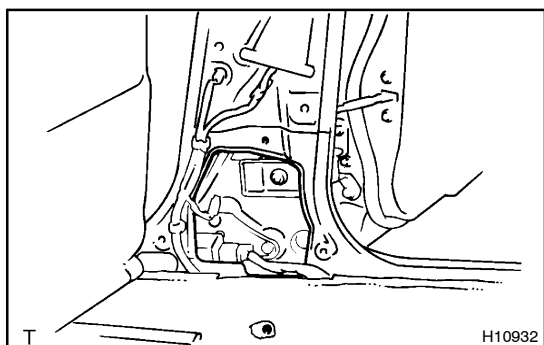
(a) Perform a diagnostic system check.

(See page DI-287)

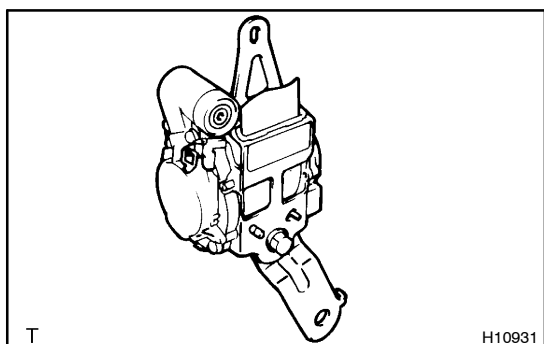


(b) Perform a visual check which includes the following items with the front seat outer belt removed from the vehicle.

- Check for cuts and cracks in, or marked discoloration on 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.



- Check for cuts and minute cracks in wire harness or marked discoloration on the front seat outer belt.

CAUTION:

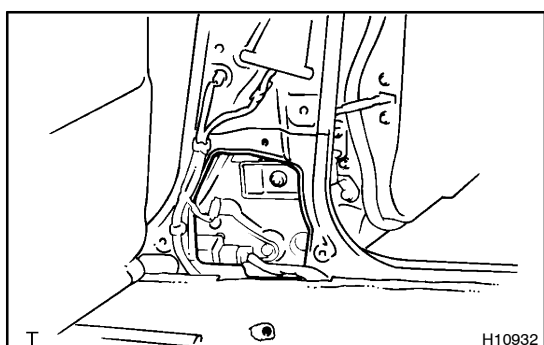
For removal and installation of the front seat outer belt, see page BO-150 and BO-159.

Be sure to follow the correct procedure.

2. PRETENSIONER IS ACTIVATED

(a) Perform a diagnostic system check.

(See page DI-287)



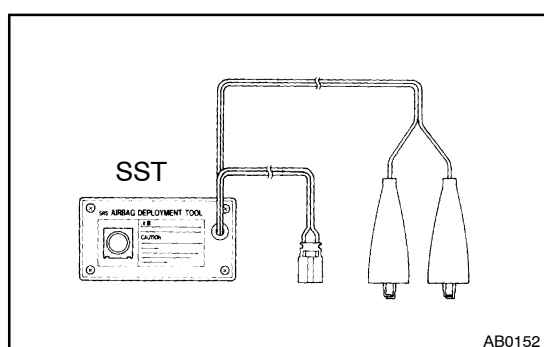
(b) Perform a visual check which includes the following items with the front seat outer belt removed from the vehicle.

- Check for deformation of the center pillar.
- Check for damage on the connector and wire harness.

DISPOSAL

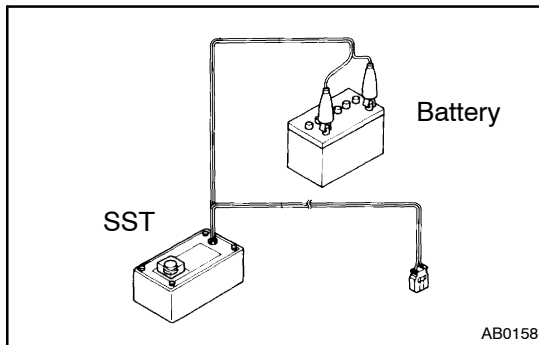
HINT:

When scrapping vehicles equipped with a seat belt pretensioner or disposing of a front seat outer belt (with seat belt pretensioner) always first activate the seat belt pretensioner in accordance with the procedure described below. If any abnormality occurs in the seat belt pretensioner operation, contact the SERVICE DEPT. of DISTRIBUTOR. 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:

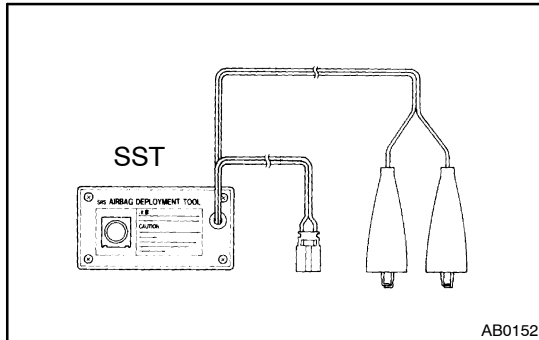
- Never dispose of front seat outer belt which has an in-activated pretensioner.
- The seat belt pretensioner produces a sizeable exploding sound when it activates, so perform the operation out-of-door and where it will not create a nuisance to nearby residents.
- When activating the seat belt pretensioner, 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 activated pretensioner.
- Always wash your hands with water after completing the operation.
- Do not apply water, etc. to a front seat outer belt with 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.

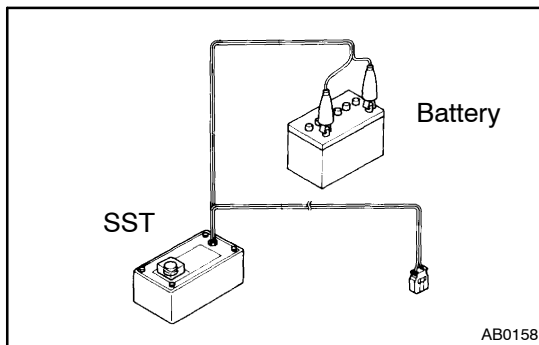


(a) Check the functioning of SST.

CAUTION:

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

SST 09082-00700, 09082-00740

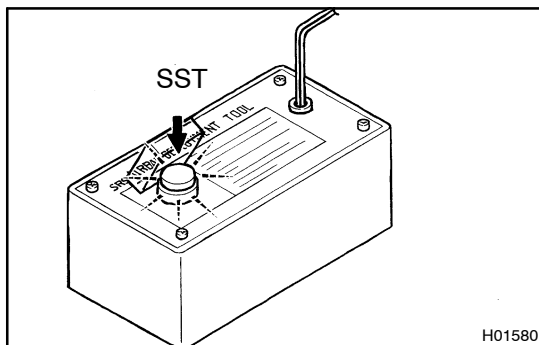


(1) Connect the SST to the battery.

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.



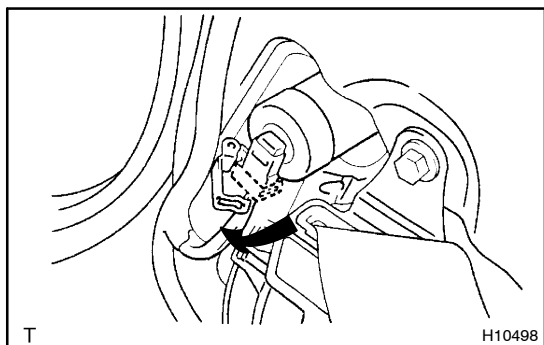
(2) Press the SST activation switch, and check the LED of the SST activation switch lights up.

CAUTION:

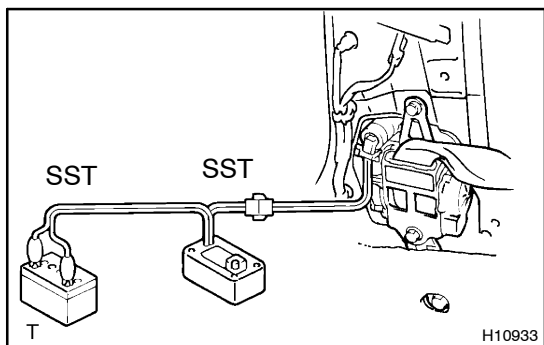
If the LED lights up when the activation switch is not being pressed, SST malfunction is probable, so definitely do not use the SST.

(b) Disconnect the pretensioner connector.

- (1) Remove the front door inside scuff plate.
- (2) Remove the rear door inside scuff plate.
- (3) Remove the rear part of front door opening trim.
- (4) Remove the front part of rear door opening trim.
- (5) Remove the center pillar lower garnish.



- (6) 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.

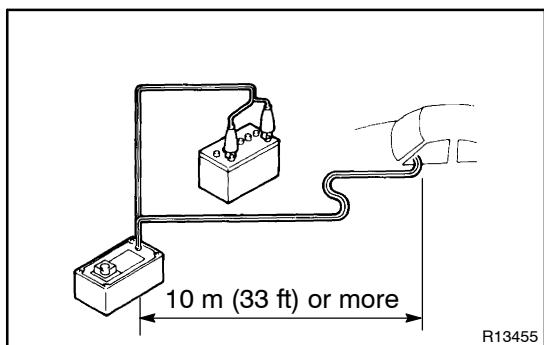


- (2) Connect the 2 SST, then connect them to the seat belt pretensioner.

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.



- (3) Move the SST to at least 10 m (33 ft) away 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 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 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 activated seat belt pretensioner.**

HINT:

When scrapping a vehicle, dispose the seat belt pretensioner and scrap the vehicle with 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 on the next page when activating the seat belt pretensioner.

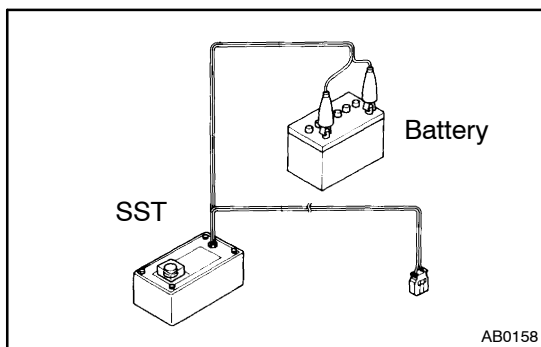
HINT:

Have a battery ready as the power source when activating the seat belt pretensioner.

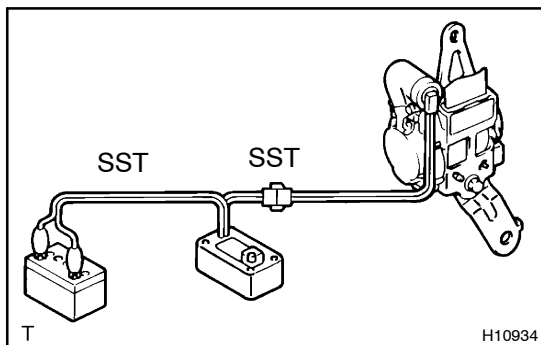
- (a) Remove the front seat outer belt (See page BO-147).

HINT:

Cut the belt near the seat belt retractor.



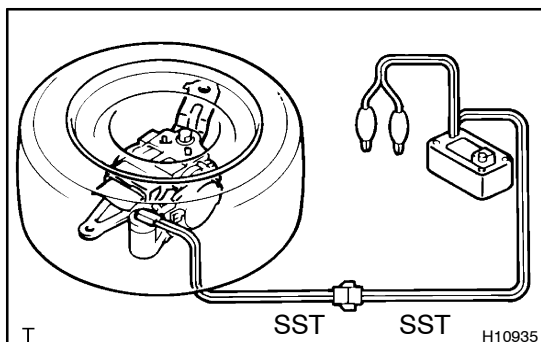
- (b) Check functioning of SST (See step 1-(a)).
SST 09082-00700, 09082-00740



- (c) Install the SST.
(1) Connect the 2 SST, 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) Place the front seat outer belt on the ground and cover it with the disc wheel with tire.

NOTICE:

Place the front seat outer belt as shown in the illustration.

- (3) Move the SST as least 10 m (33 ft) away from the disc wheel.

NOTICE:

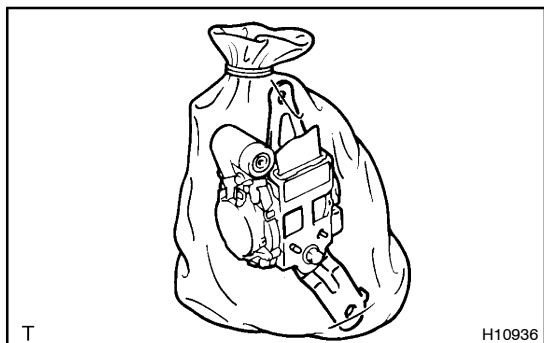
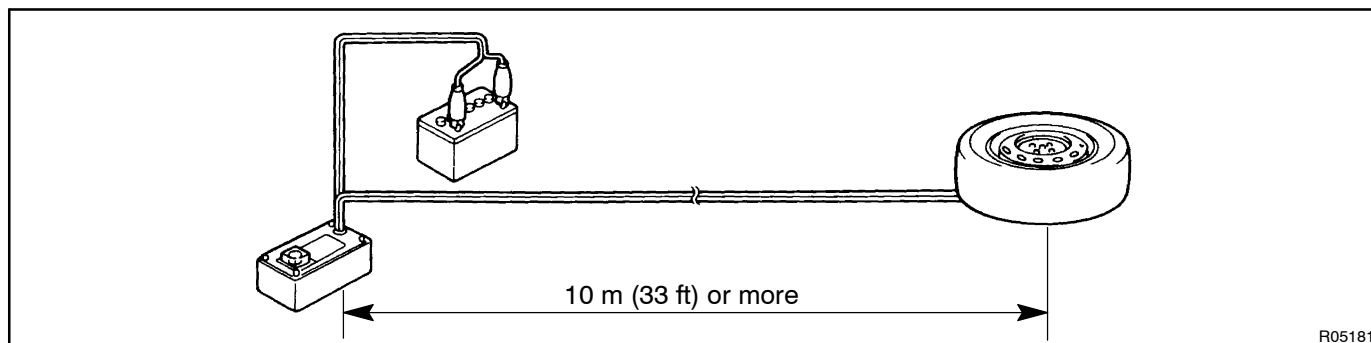
Take care not to damage the SST wire harness.

- (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 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 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 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) (See page BO-152).
- If the front seat outer belt has been dropped.

CAUTION:

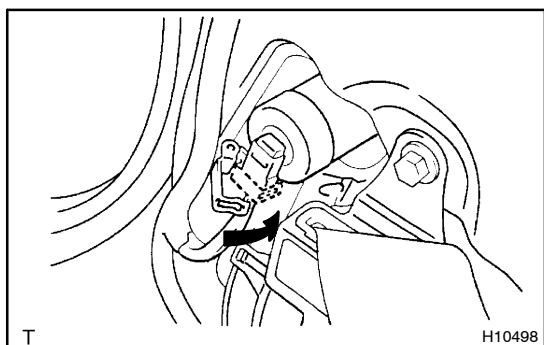
For removal and installation of the seat belt pretensioner, see page BO-150 and BO-159.

Be sure to follow the correct procedure.

INSTALLATION

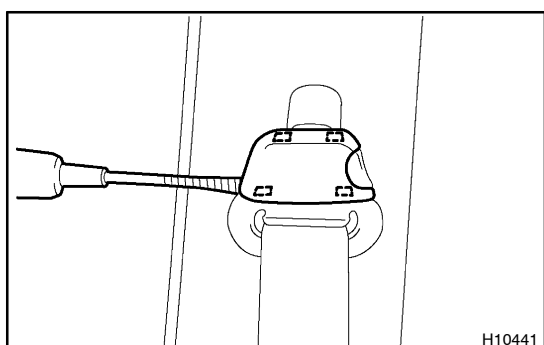
NOTICE:

- 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 with 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.

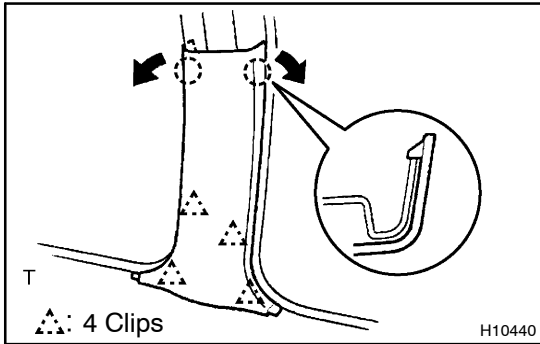


1. INSTALL FRONT SEAT OUTER BELT

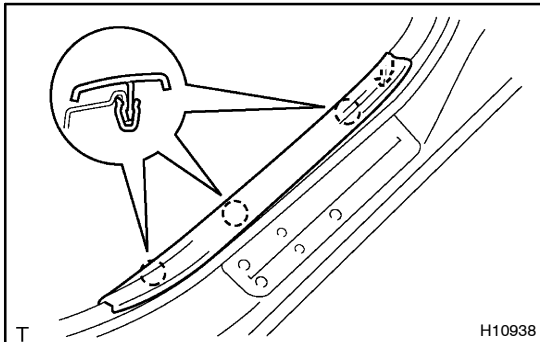
- Install the retractor of front seat outer belt.
 - Install the retractor of front seat outer belt with the bolt.
Torque: 7.8 N·m (80 kgf·cm, 69 in·lbf)
 - Connect the pretensioner connector as shown in the illustration.
- Install the floor anchor with the bolt.
Torque: 41 N·m (420 kgf·cm, 30 ft·lbf)
- Install the floor anchor cover.



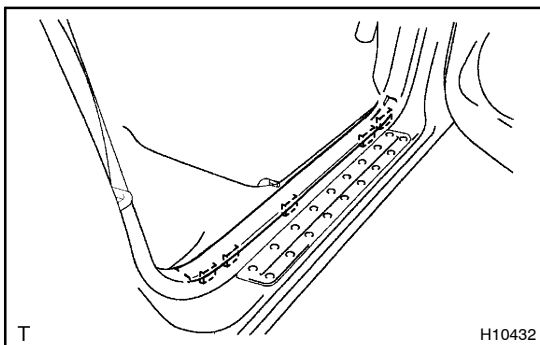
- Install the shoulder anchor with the bolt.
Torque: 41 N·m (420 kgf·cm, 30 ft·lbf)
- Install the shoulder anchor cover.

**2. INSTALL CENTER PILLAR LOWER GARNISH**

Install the center pillar lower garnish to the body.

3. INSTALL FRONT PART OF REAR DOOR OPENING TRIM**4. INSTALL REAR PART OF FRONT DOOR OPENING TRIM****5. INSTALL REAR DOOR INSIDE SCUFF PLATE**

Install the rear door inside scuff plate to the body.

**6. INSTALL FRONT DOOR INSIDE SCUFF PLATE**

Install the front door inside scuff plate to the body.