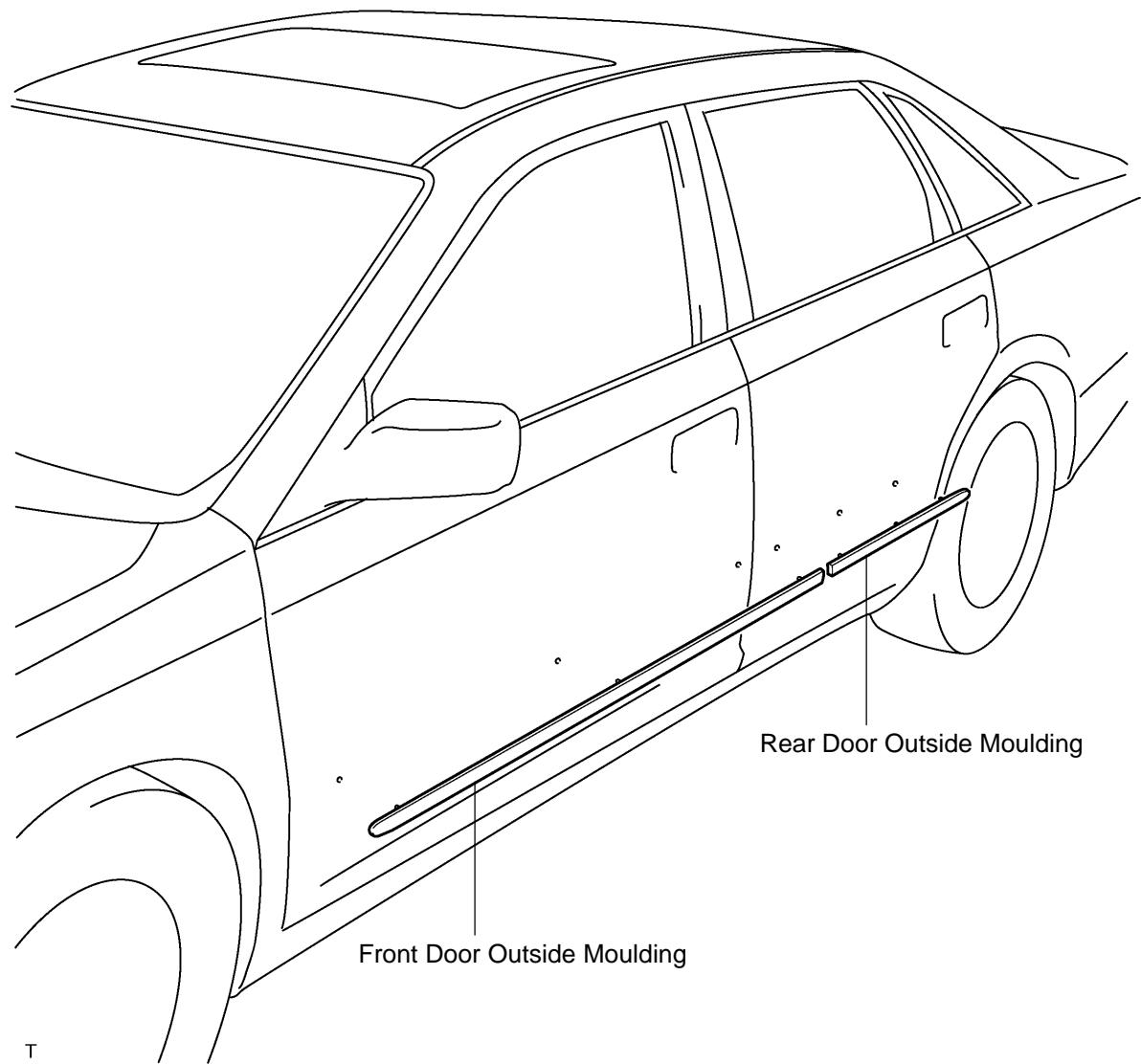


BODY OUTSIDE MOULDING

COMPONENTS

BO0Y6-03



H12136

INSTALLATION

1. CLEAN BODY MOUNTING SURFACE

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

NOTICE:

Do not heat the body excessively.

- (b) Remove the adhesive tape from the body.
- (c) Wipe off stains with cleaner.

2. CLEAN MOULDING

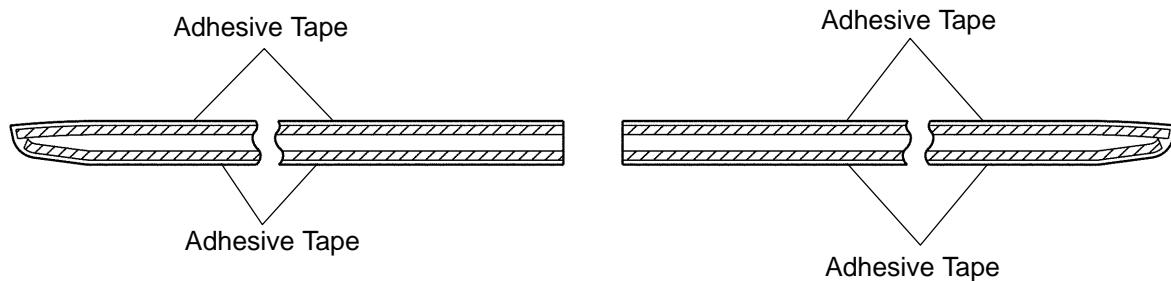
If reusing moulding:

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

NOTICE:

Do not heat the moulding excessively.

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



P

H12138

3. INSTALL MOULDING

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

Body: 40 - 60 °C (104 - 140 °F)

Moulding: 20 - 30 °C (68 - 86 °F)

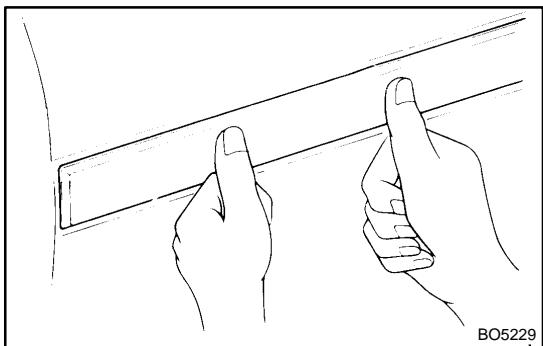
NOTICE:

Do not heat the moulding excessively.

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

NOTICE:

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



(c) 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.

REMOVAL

1. HEAT MOULDING

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

NOTICE:

Do not heat moulding excessively.

2. REMOVE OUTSIDE MOULDING

(a) Tie both piano wire ends to wooden blocks or similar objects.

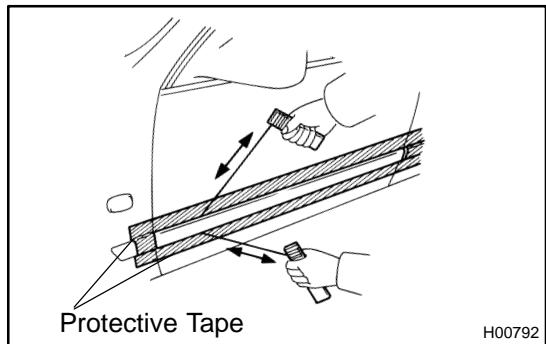
(b) Cut the adhesive tape by pulling the piano wire as shown.

NOTICE:

★ **If reusing the moulding, take care not to damage the moulding.**

★ **Do not damage the body.**

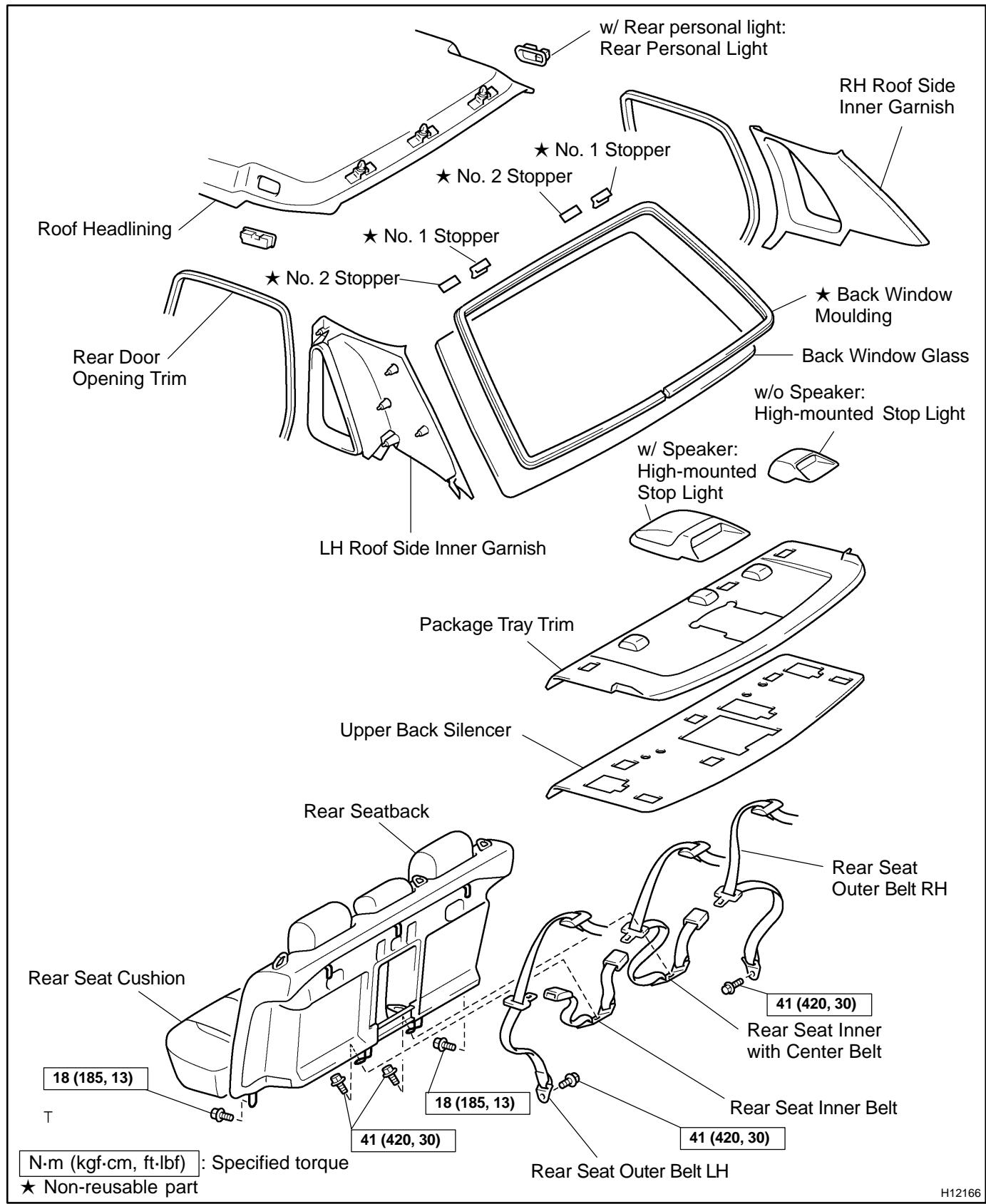
(c) Remove the moulding.



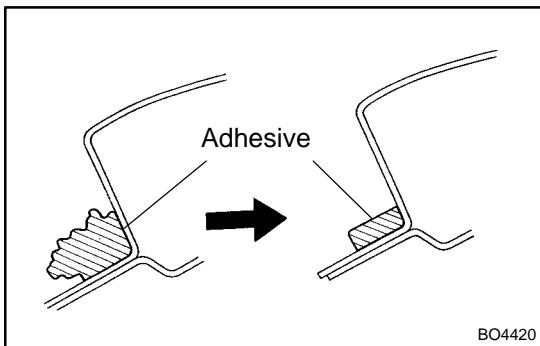
H00792

BACK WINDOW GLASS COMPONENTS

BO2PK-01



H12166



INSTALLATION

1. CLEAN AND SHAPE CONTACT SURFACE OF BODY

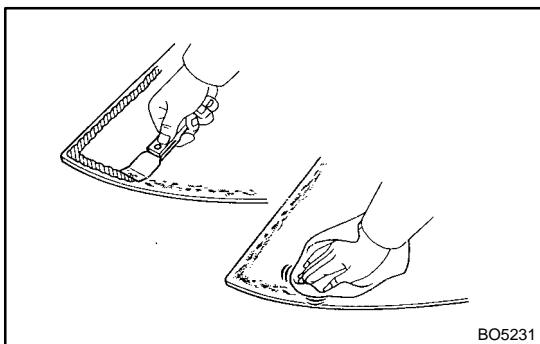
(a) Using a knife, cut away any rough areas on the body.
HINT:

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

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

HINT:

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

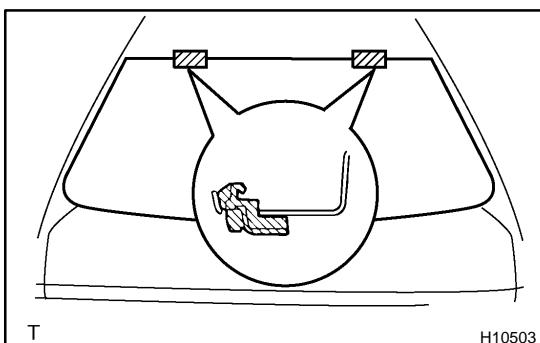


2. CLEAN REMOVED GLASS

(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 stopper installation area.

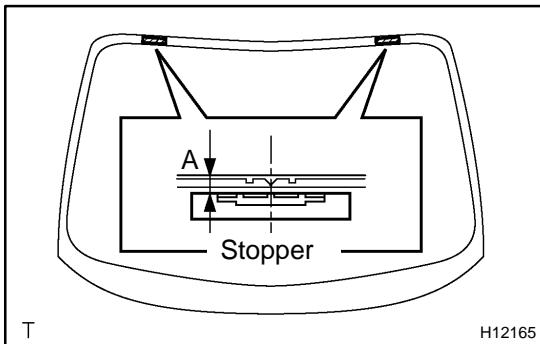
NOTICE:

Be careful not to damage the body.

(c) Clean the installation area.
(d) Attach new stoppers to the body so that the notches on the body will align with the stoppers as shown in the illustration.

HINT:

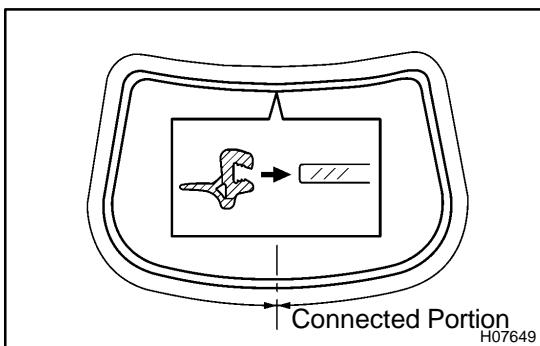
Make sure that the stoppers are installed facing the correct direction.



4. INSTALL NEW NO. 2 STOPPERS

Attach new stoppers to the glass so that the ceramic notches on the glass will align with the stoppers as shown in the illustration.

A: 12 mm (0.47 in.)

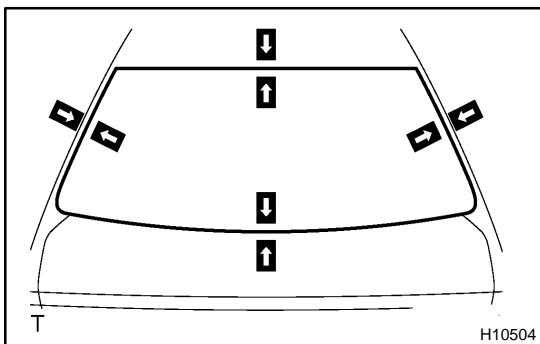


5. INSTALL NEW BACK WINDOW OUTSIDE MOULDING

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

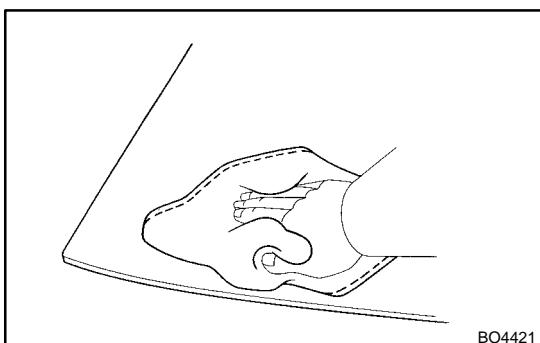
HINT:

- ★ 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

- (a) Place the glass in the correct position.
- (b) Check that all contacting parts of the glass rim are set perfectly even.
- (c) Place reference marks on the glass and body.
- (d) Remove the glass.

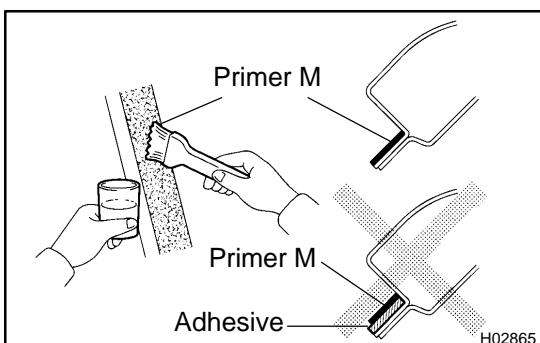


7. CLEAN CONTACT SURFACE OF GLASS

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.

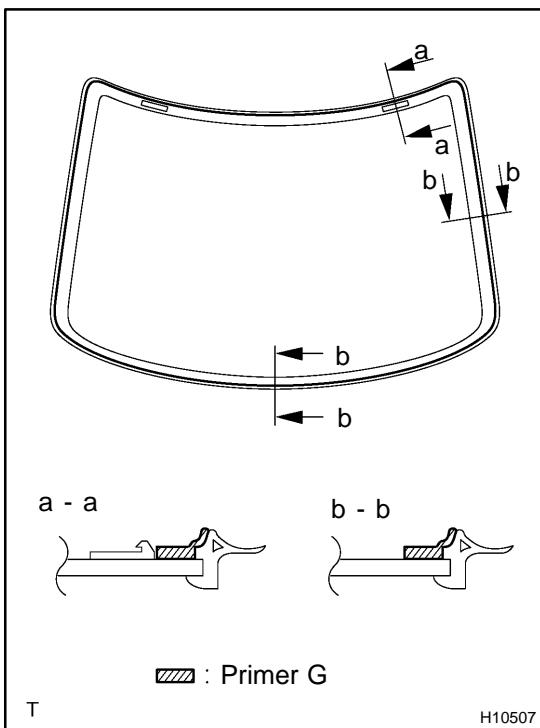


8. COAT CONTACT SURFACE OF BODY WITH PRIMER "M"

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

NOTICE:

- ★ Allow 3 minutes or more dry the primer coated surface.
- ★ Do not coat Primer M to the adhesive.
- ★ Do not keep any of the opened Primer M for later use.

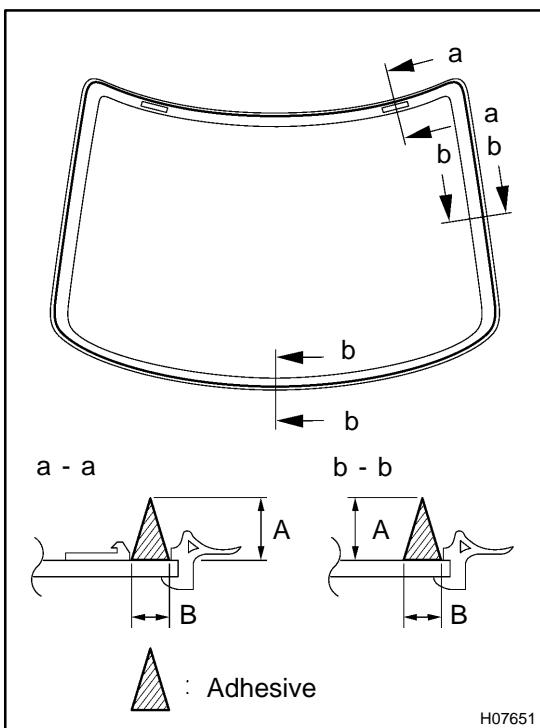


9. COAT CONTACT SURFACE OF GLASS WITH PRIMER "G"

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

NOTICE:

- ★ Allow 3 minutes or more dry the primer coated surface.
- ★ 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

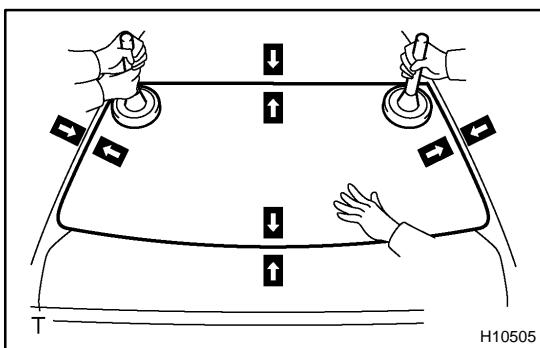
After cutting off the tip, use all adhesive within the time described in the table below.

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.

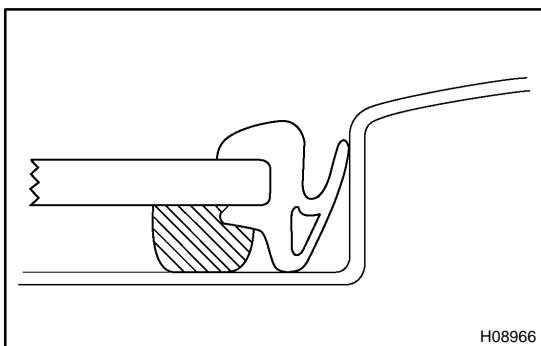
A: 13.5 mm (0.531 in.)

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.



H08966

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**NOTICE:**

Conduct a leak test after hardening time has elapsed.

13. CONNECT DEFOGGER WIRE CONNECTOR

14. INSTALL ROOF HEADLINING

15. w/ Rear personal light:

INSTALL REAR PERSONAL LIGHT

16. INSTALL UPPER BACK SILENCER

17. INSTALL PACKAGE TRAY TRIM

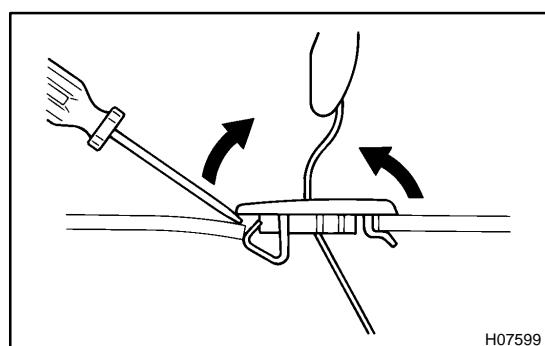
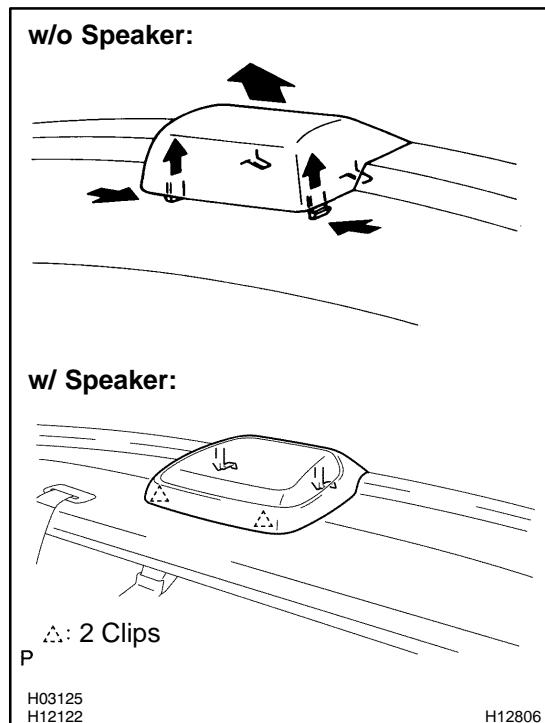
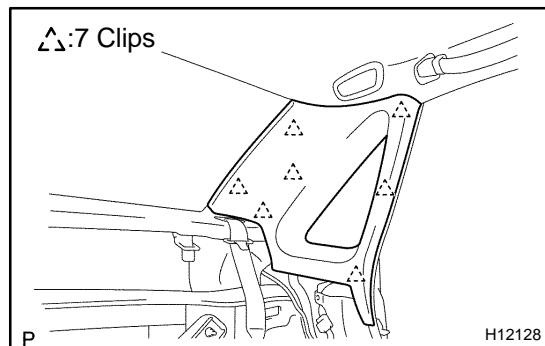
18. INSTALL HIGH-MOUNTED STOP LIGHT

19. INSTALL ROOF SIDE INNER GARNISH

20. INSTALL REAR SEAT (See page [BO-123](#))

REMOVAL

1. REMOVE REAR SEAT (See page BO-120)



2. 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.

3. REMOVE HIGH-MOUNTED STOP LIGHT

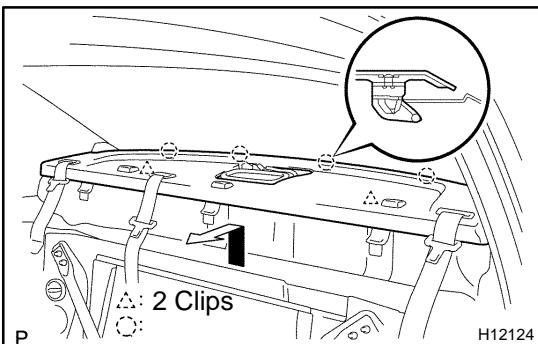
Remove the high-mounted stop light as shown in the illustration, then disconnect the connector.

4. REMOVE PACKAGE TRAY TRIM

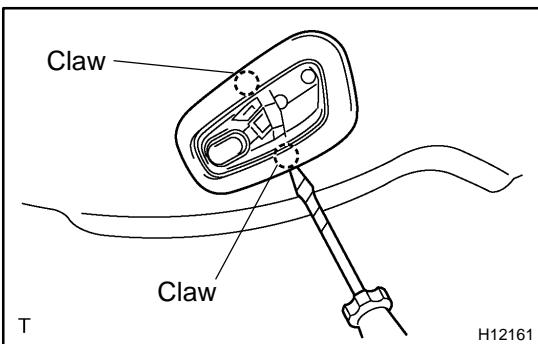
(a) Using a screwdriver, remove the 3 rear seat belt bezel.

HINT:

Tape the screwdriver tip before use.

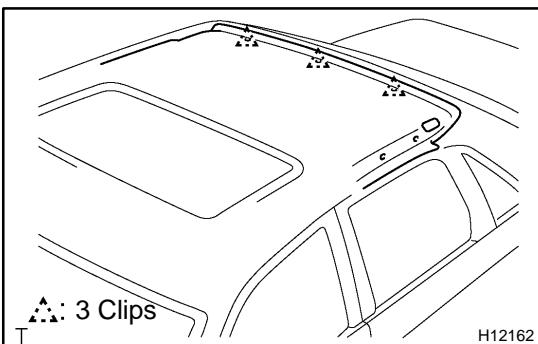


(b) Remove the package tray trim as shown in the illustration.
5. REMOVE UPPER BLACK SILENCER



**6. w/ Rear personal light:
 REMOVE REAR PERSONAL LIGHT**

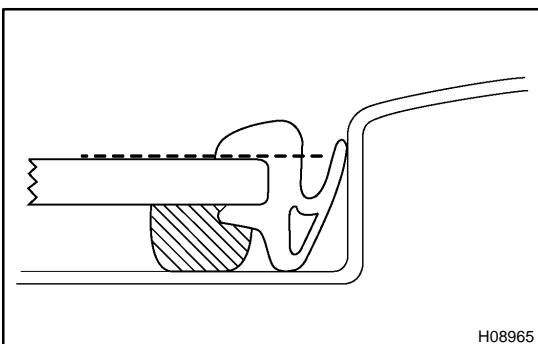
(a) Using a screwdriver, remove the rear personal light, then disconnect the connector.
HINT:
 Tape the screwdriver tip before use.
 (b) Employ the same manner described above to the other side.



7. REMOVE ROOF HEADLINING

Disengage the 3 clips and remove the rear side of roof headlining.

8. DISCONNECT DEFOGGER WIRE CONNECTOR



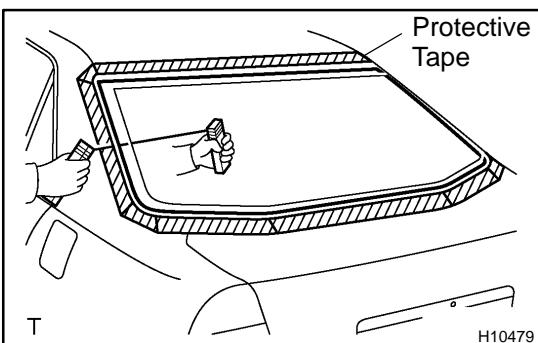
9. REMOVE BACK WINDOW MOULDING

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

NOTICE:

Do not damage the body with the knife.

(b) Remove the remaining moulding.



10. REMOVE BACK WINDOW GLASS

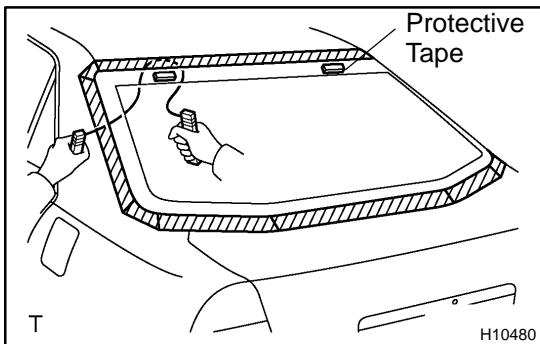
(a) Insert a piano wire between body and glass and let it pass through.
 (b) Tie both wire ends to wooden blocks or similar objects.

HINT:

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

NOTICE:

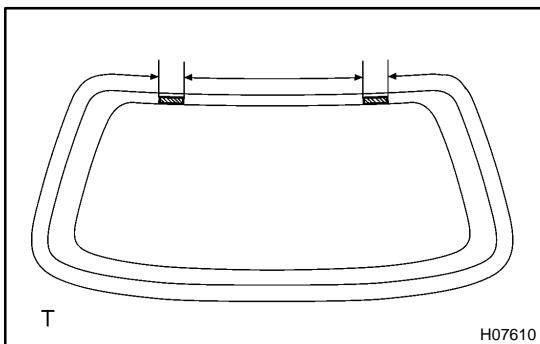
When separating the glass, take care not to damage the paint and exterior.



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

HINT:

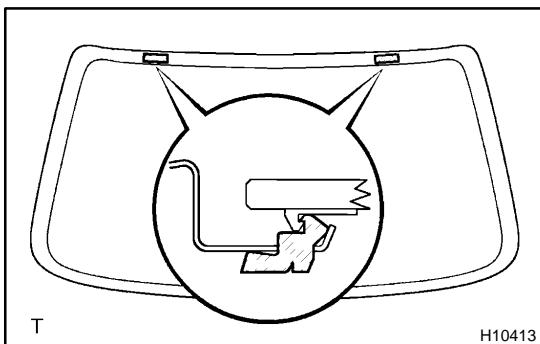
Cut the adhesive areas as shown in the illustration, leaving the adhesive where the stoppers are.



(d) 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.



(e) Disengage the stoppers, then remove the glass.

NOTICE:

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

CLIP

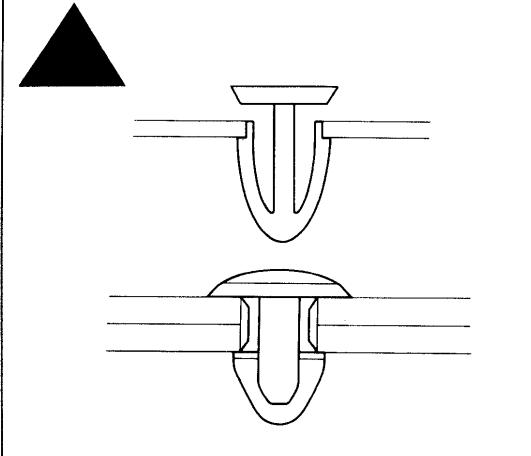
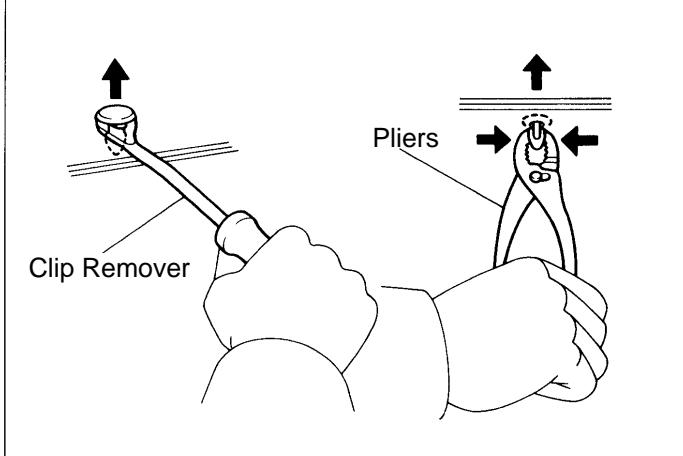
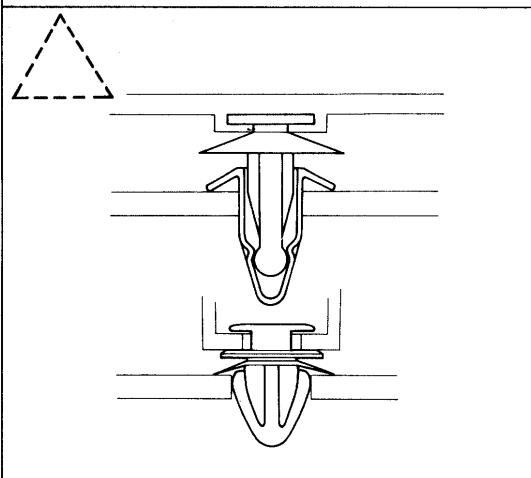
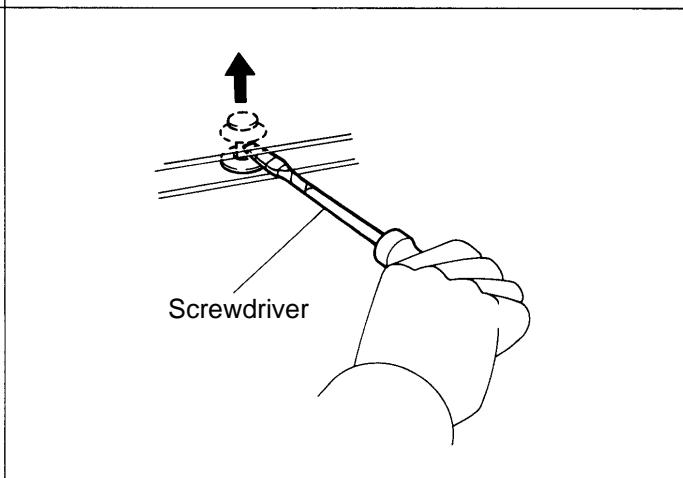
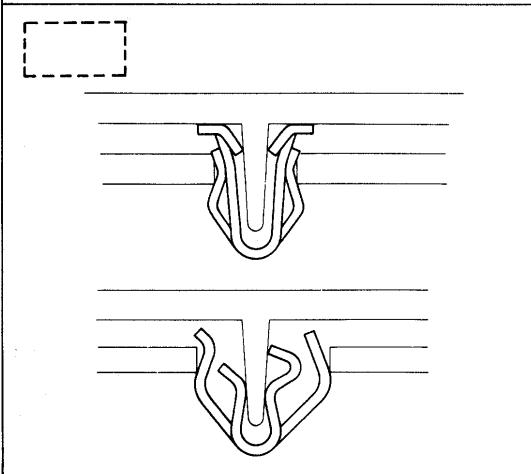
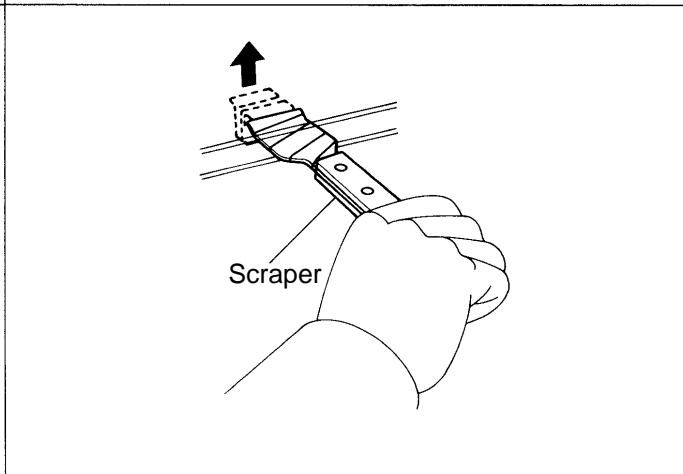
REPLACEMENT

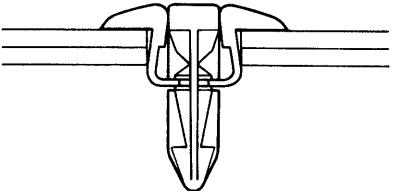
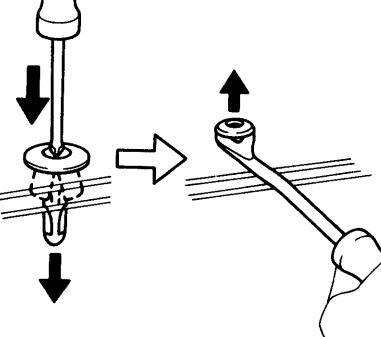
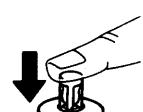
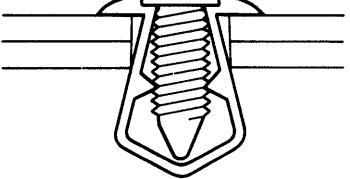
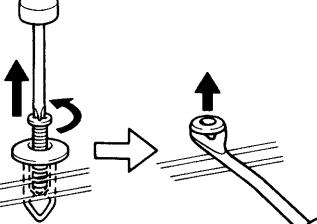
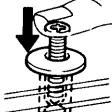
BO00H-02

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

HINT:

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

Shape (Example)	Removal/Installation
	
	
	

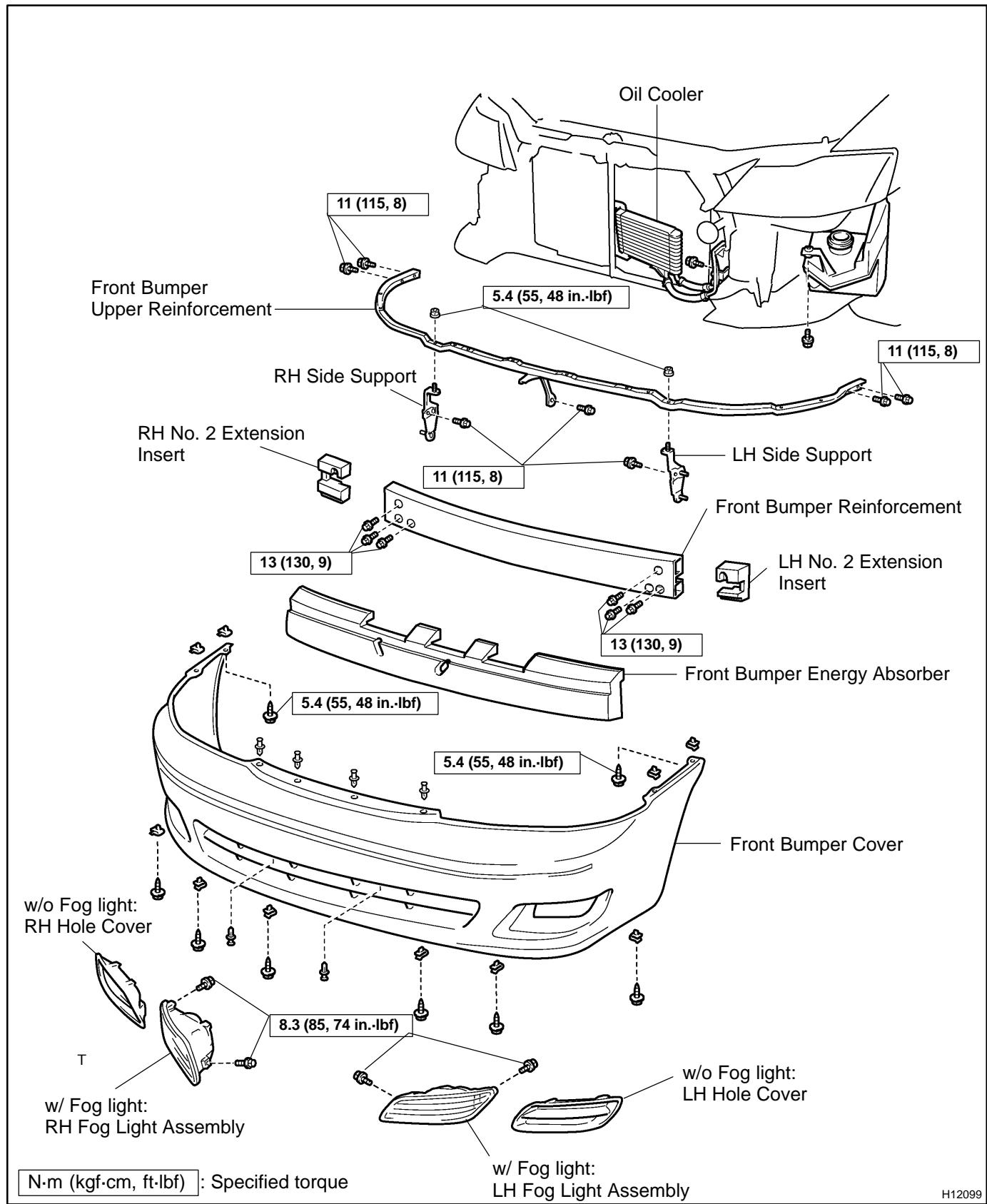
Shape (Example)	Removal/Installation	
		
		

V00012

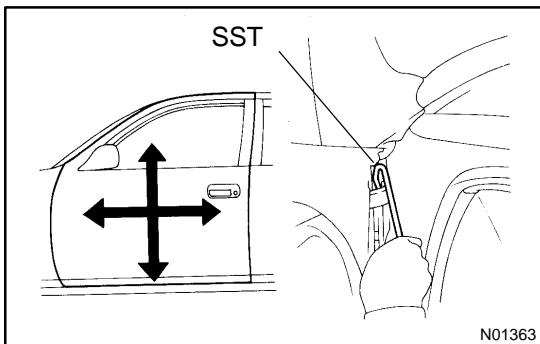
FRONT BUMPER

COMPONENTS

BO0XJ-04



H12099



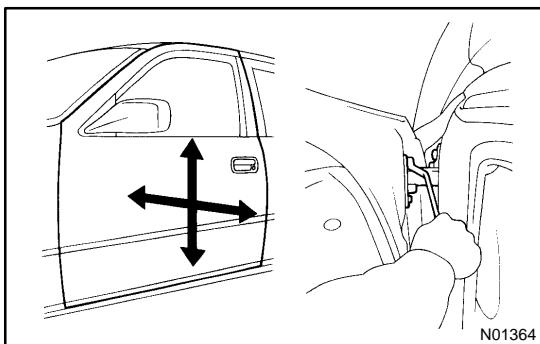
ADJUSTMENT

1. ADJUST DOOR IN FORWARD/REARWARD AND VERTICAL DIRECTIONS

Using SST, loosen the body side hinge bolts to adjust.

SST 09812-00010

Torque: 25 N·m (260 kgf·cm, 19 ft-lbf)



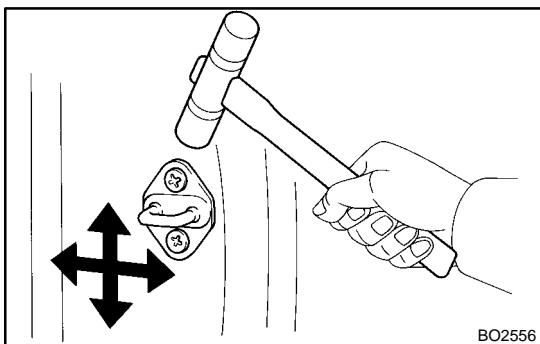
2. ADJUST DOOR IN LEFT/RIGHT AND VERTICAL DIRECTIONS

Loosen the door side hinge bolts to adjust.

HINT:

Substitute the bolt with washer for the centering bolt.

Torque: 25 N·m (260 kgf·cm, 19 ft-lbf)



3. ADJUST DOOR LOCK STRIKER

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

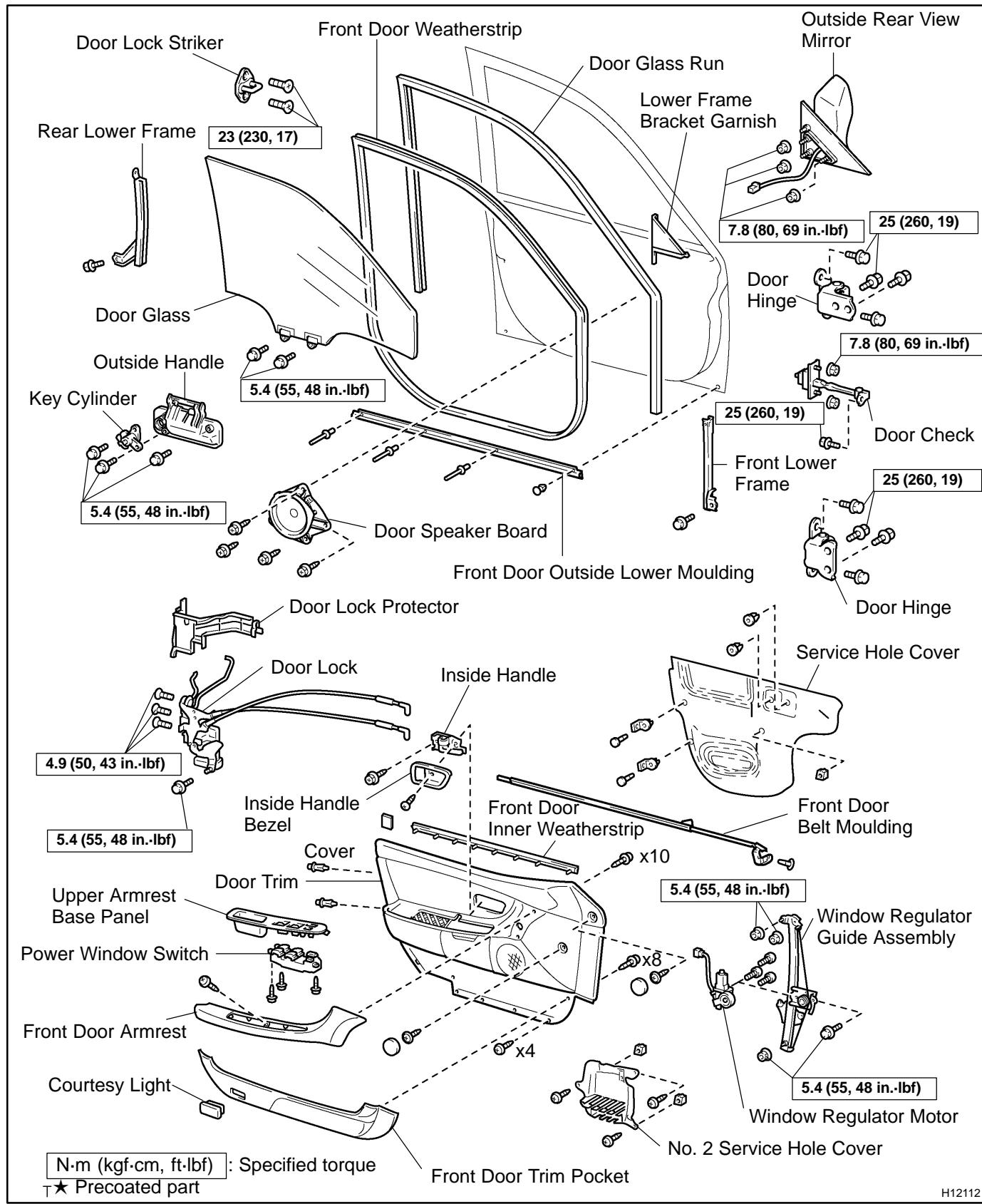
(b) Loosen the striker mounting screws.

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

(c) Using a plastic hammer, tap the striker to adjust it.

FRONT DOOR COMPONENTS

BO200-01



H12112

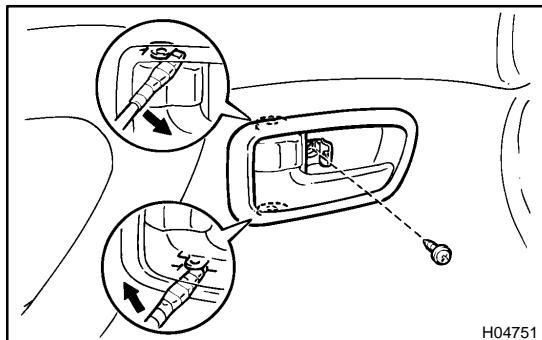
DISASSEMBLY

1. REMOVE INSIDE HANDLE BEZEL

(a) Using a screwdriver, remove the cover.

HINT:

Tape the screwdriver tip before use.



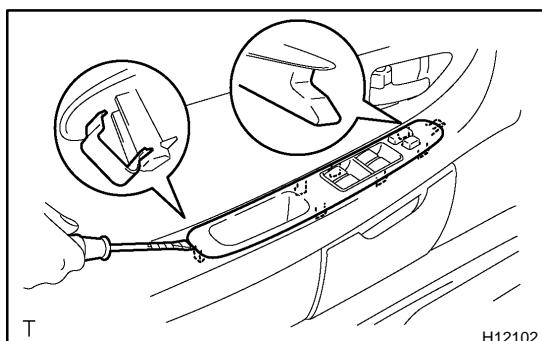
(b) Remove the screw.

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

HINT:

Tape the screwdriver tip before use.

2. REMOVE COURTESY LIGHT



3. REMOVE UPPER ARMREST BASE PANEL WITH POWER WINDOW SWITCH

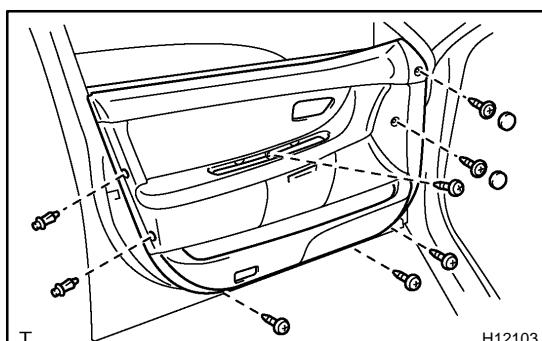
(a) Using a screwdriver, remove the upper armrest base panel with power window switch.

HINT:

Tape the screwdriver tip before use.

(b) Disconnect the connector.

(c) Remove the 3 screws and power window switch from the upper armrest base panel.



4. REMOVE DOOR TRIM

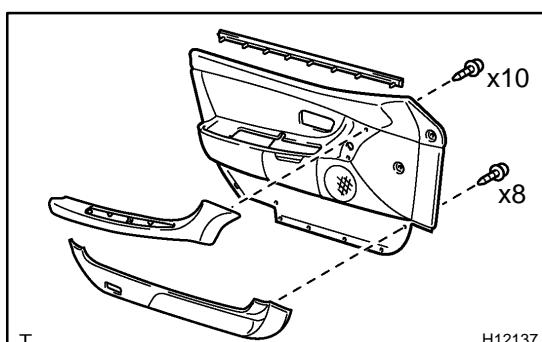
(a) Using a screwdriver, remove the 2 caps.

HINT:

Tape the screwdriver tip before use.

(b) Remove the 6 screws and clip.

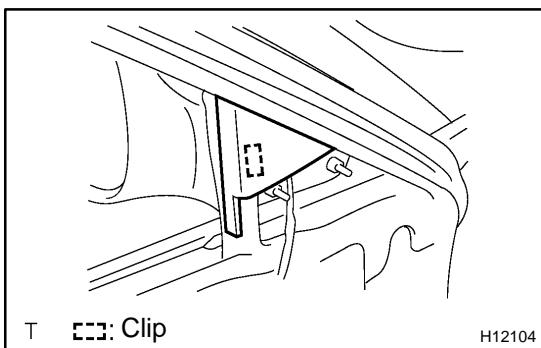
(c) Pull the trim upward to remove it.



(d) Using a screwdriver, remove the front door inner weather-strip from the front door trim.

(e) Remove the 10 screws and front door armrest from the front door trim.

(f) Remove the 8 screws and front door trim pocket from the front door trim.



5. REMOVE LOWER FRAME BRACKET GARNISH

Using a screwdriver, remove the lower frame bracket as shown in the illustration.

HINT:

Tape the screwdriver tip before use.

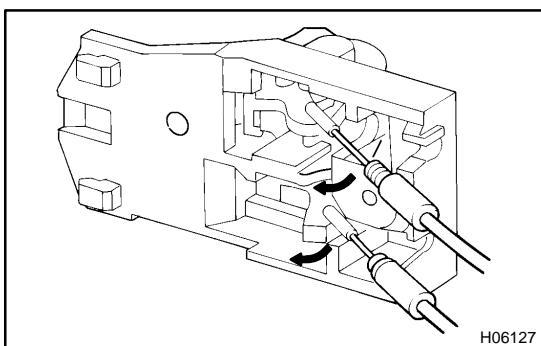
6. REMOVE OUTSIDE REAR VIEW MIRROR

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

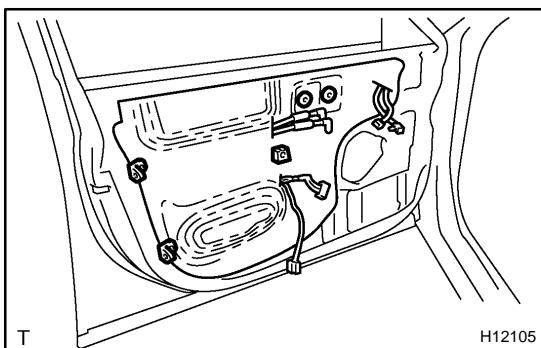
7. REMOVE DOOR SPEAKER BOARD

8. REMOVE INSIDE HANDLE

- (a) Remove the screw.
- (b) Slide the inside handle backward to remove it.



- (c) Disconnect the 2 cables from the inside handle as shown in the illustration.



9. REMOVE SERVICE HOLE COVER

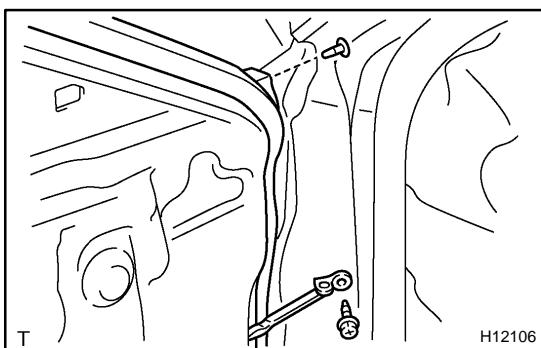
- (a) Using a clip remover, remove the grommets.
- (b) Remove the service hole cover.

NOTICE:

Do not tear the cover.

HINT:

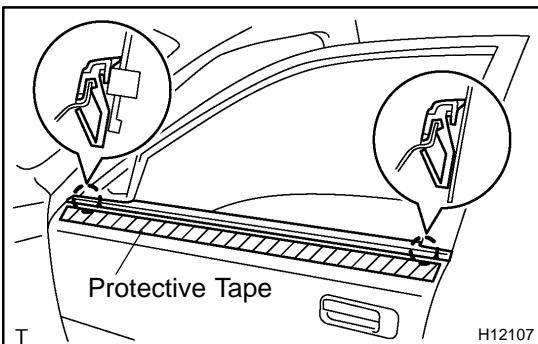
At the time of reassembly, please refer to the following item. Bring out the 2 control cables and wire harness through the service hole cover.



10. REMOVE FRONT DOOR WEATHERSTRIP

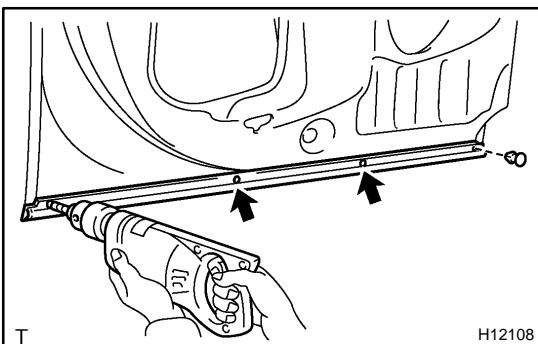
- (a) Using a clip remover, remove the clip.
- (b) Remove the screw from the door check.
- (c) Using a clip remover, remove the front door weatherstrip.
- (d) Reinstall the screw to the door check.

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



11. REMOVE FRONT DOOR BELT MOULDING

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



12. REMOVE FRONT DOOR OUTSIDE LOWER MOULDING

- Using a drill of less than $\varnothing 3.2$ mm (0.126 in.), drill out the 3 rivet heads.

HINT:

Gently and vertically put the drill to the rivets, and cut the rivet flanges.

CAUTION:

Take care as the cut rivets are hot.

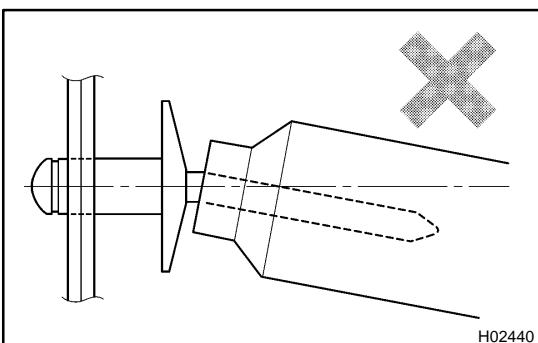
NOTICE:

Prizing the hole with a drill can lead to damage to the rivet hole or the drill itself.

- Using a clip remover, remove the clip.
- Remove the front door outside lower moulding.
- Using a vacuum cleaner, remove the drilled rivets and associated metallic dust from the inside of door panel.

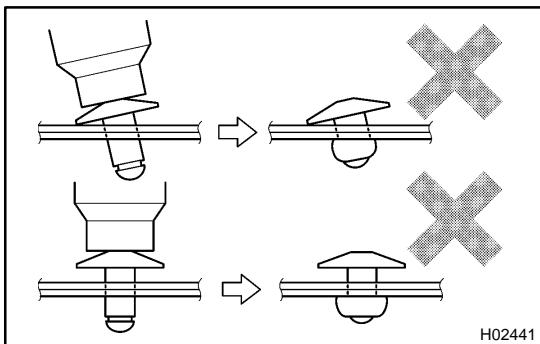
HINT:

At the time of reassembly, please refer to the following item. Using an air riveter with nose piece No. 1 or a hand riveter with nose piece No. 1 to install new 3 rivets to the front door outside lower moulding.

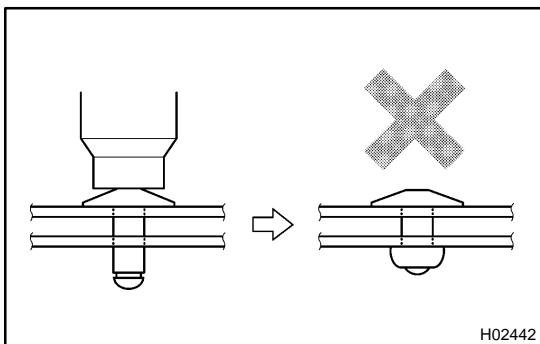


NOTICE:

- ★ At the time of reassembly, please refer to the following items.
- ★ Do not prize a riveter, as riveter is damaged, it is not tightened and the mandrel is bent.



- ★ **Do not tilt the riveter 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.**

13. REMOVE NO. 2 SERVICE HOLE COVER

Remove the window regulator connector clamp, 3 screws and No. 2 service hole cover.

14. REMOVE DOOR GLASS

(a) Open the door glass until the bolts appear in the service hole.

(b) Remove the 2 bolts.

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

NOTICE:

Be careful not to drop the door glass.

(c) Pull the door glass upward to remove it.

15. REMOVE DOOR GLASS RUN

16. REMOVE WINDOW REGULATOR ASSEMBLY

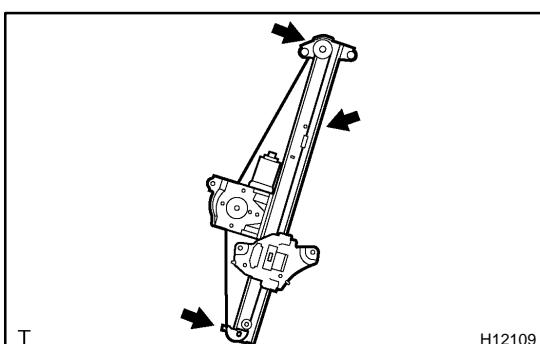
(a) Disconnect the connector, then remove the bolt, 3 nuts and window regulator assembly.

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

HINT:

Remove the window regulator assembly through the service hole.

(b) Using a torx driver, remove the 3 torx screws and window regulator motor from the window regulator guide assembly.



HINT:

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

- ★ Apply MP grease to the glass guide and rollers of window regulator assembly.
- ★ After installing the window regulator assembly, window regulator assembly need to be re-initialized. Refer to [BE-80](#) .

17. REMOVE FRONT LOWER FRAME

18. REMOVE REAR LOWER FRAME

19. REMOVE DOOR LOCK

- (a) Disconnect the 2 control links from the outside handle and door lock cylinder.
- (b) Disconnect the connector.
- (c) Remove the 3 torx screws, bolt and door lock.

Torque:

Bolt: 5.4 N·m (55 kgf·cm, 48 in.-lbf)

Screw: 4.9 N·m (50 kgf·cm, 43 in.-lbf)

HINT:

Remove the door lock through the service hole.

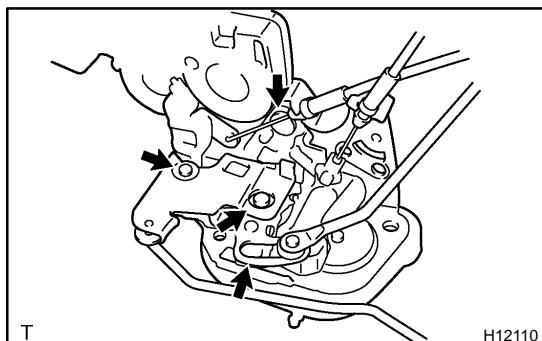
HINT:

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

Apply adhesive to 3 screws.

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

- (d) Remove the 2 screws and door lock protector from the door lock.

**HINT:**

At the time of reassembly, please refer to the following item.
Apply MP grease to the sliding and rotating parts of the door lock.

20. REMOVE OUTSIDE HANDLE

- (a) Remove the 2 bolts and outside handle with key cylinder.
Torque: 5.4 N·m (55 kgf·cm, 48 in.-lbf)
- (b) Remove the bolt and key cylinder from the outside handle.
Torque: 5.4 N·m (55 kgf·cm, 48 in.-lbf)

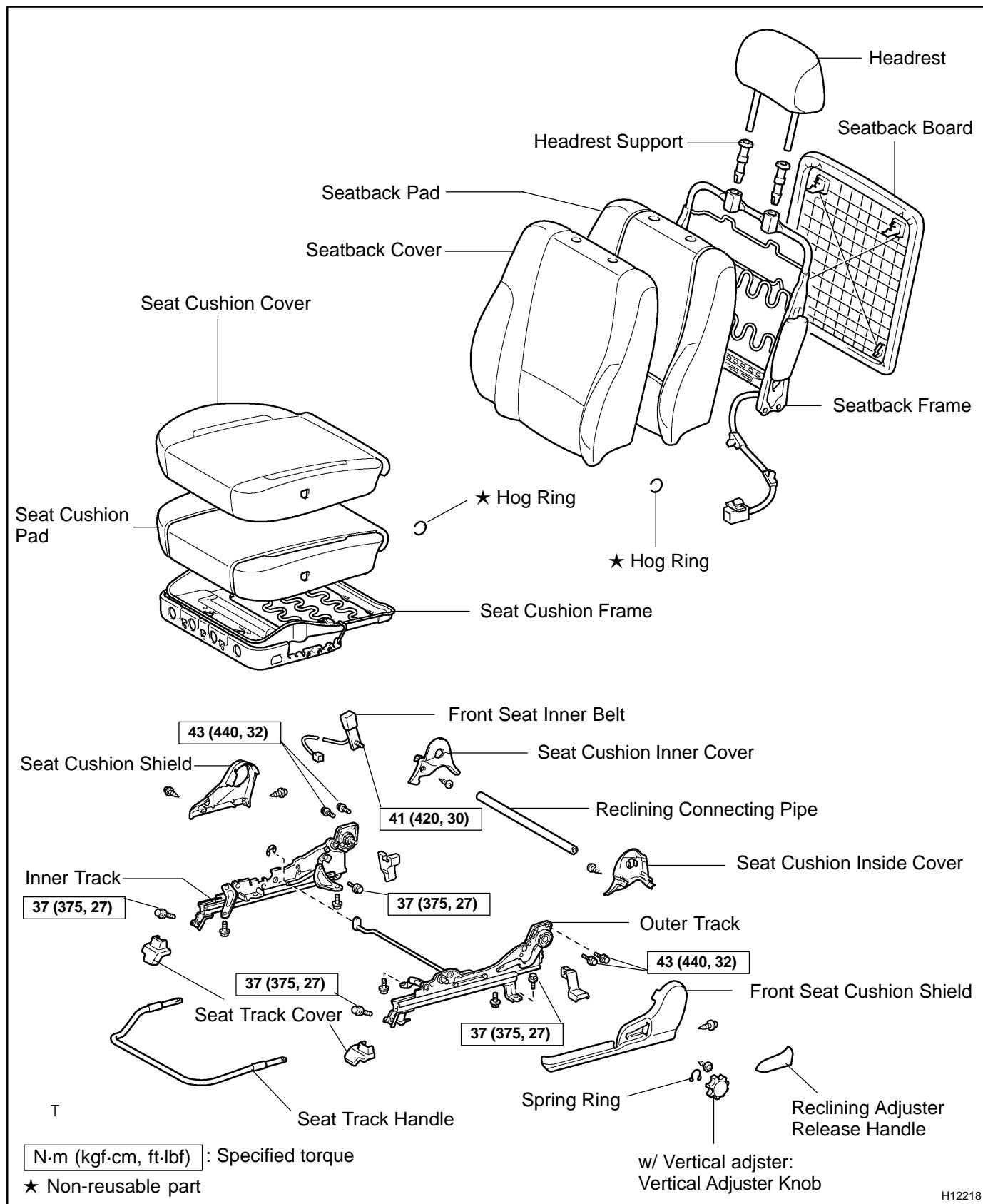
REASSEMBLY

Reassembly is in the reverse order of disassembly (See page [BO-9](#)).

FRONT SEAT (Manual Adjuster Type)

COMPONENTS

BO2Q7-01



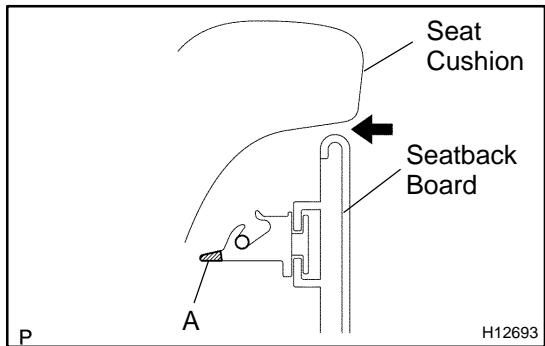
H12218

DISASSEMBLY

CAUTION:

- ★ When storing the seatback frame with the side airbag assembly, do not face down the airbag deployment side.
- ★ Never disassemble the side airbag assembly.

1. REMOVE HEADREST



2. REMOVE SEATBACK BOARD

Remove the seatback board.

HINT:

Insert your hand between the upper part of the seatback board and seat cushion, and press "A" of the clips to remove the clips from the frame wire.

3. w/ Vertical adjuster:

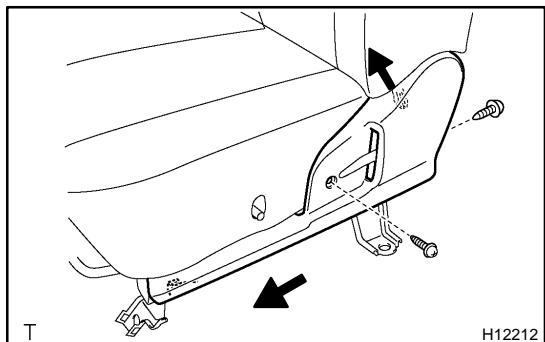
REMOVE VERTICAL ADJUSTER KNOB

Using a screwdriver, remove the snap ring and vertical adjuster knob.

HINT:

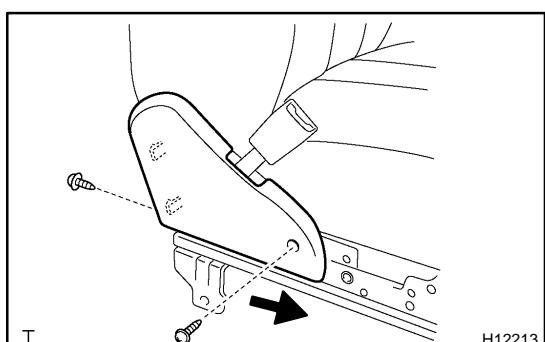
Tape the screwdriver tip before use.

4. REMOVE RECLINING ADJUSTER RELEASE HANDLE



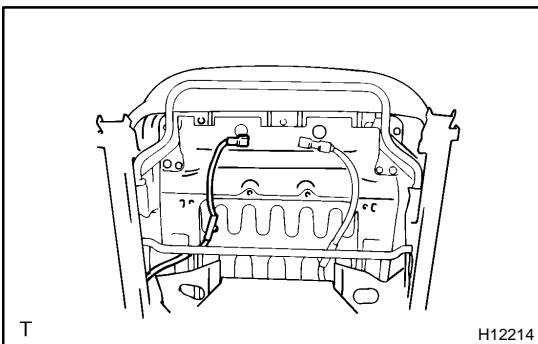
5. REMOVE FRONT SEAT CUSHION SHIELD

Remove the screw and front seat cushion shield as shown in the illustration.



6. REMOVE FRONT SEAT CUSHION INNER SHIELD

Remove the 2 screws and front seat cushion inner shield as shown in the illustration.

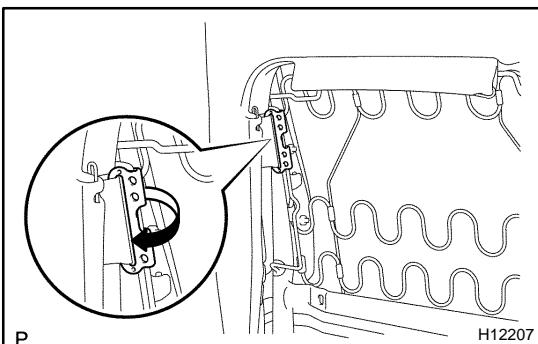


7. REMOVE FRONT SEAT INNER BELT

- (a) Remove the front seat inner belt wire harness from the front seat cushion frame.
- (b) Remove the bolt, washer and front seat inner belt.

8. REMOVE SEATBACK COVER

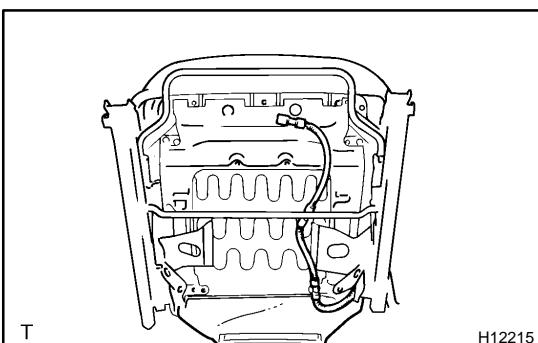
- (a) Remove the headrest supports.
- (b) Remove the hog rings.



- (c) Disengage the hook as shown in the illustration.

- (d) Remove the seatback cover with pad.

- (e) Remove the seatback cover from the seatback pad.



9. REMOVE SEAT CUSHION COVER

- (a) Remove the hog rings and side airbag assembly wire harness.
- (b) Remove the 4 bolts and seat cushion assembly.
- (c) Remove the seat cushion cover with pad from the seat cushion frame.
- (d) Remove the seat cushion cover from the seat cushion pad.

10. REMOVE SEATBACK FRAME

11. REMOVE RECLINING CONNECTING PIPE

12. REMOVE SEAT CUSHION INSIDE COVER

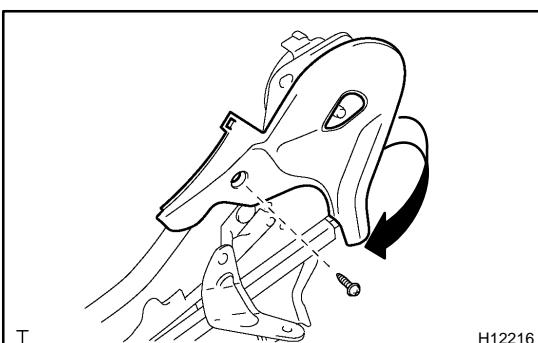
- (a) Remove the screws and seat cushion inside cover.
- (b) Employ the same manner described above to the other side.

13. REMOVE SEAT TRACK HANDLE

Using a screwdriver, remove the seat track handle.

HINT:

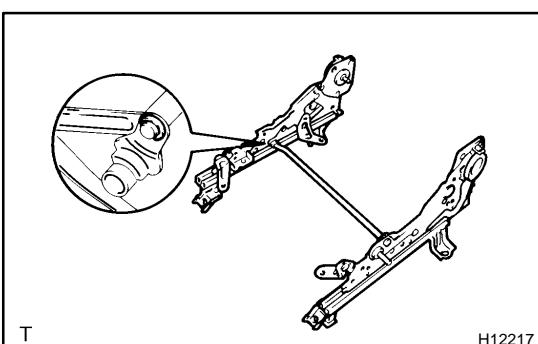
Tape the screwdriver tip before use.



14. w/ Vertical adjuster:

DISASSEMBLE OUTER TRACK AND INNER TRACK

- (a) Using a screwdriver, remove the E-ring.
- (b) Disassemble the outer track and inner track.



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.

INSTALLATION

INSTALL FRONT SEAT

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

NOTICE:

Make sure that the seat adjuster locks.

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

HINT:

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

- (c) Connect the airbag connector.
- (d) Tighten the bolts on the rear side temporarily, tighten them completely starting from the bolt on the inner side.

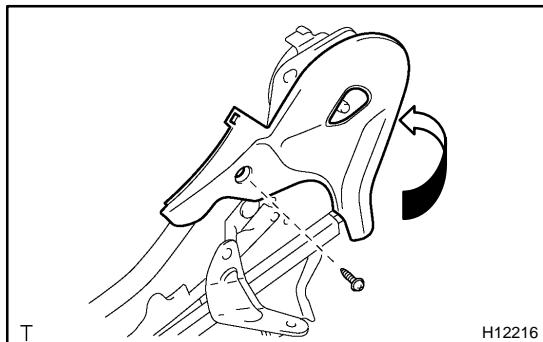
Torque: 37 N·m (375 kgf·cm, 27 ft·lbf)

- (e) Slide the seat to the rearmost position to install the bolts on the front side.

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

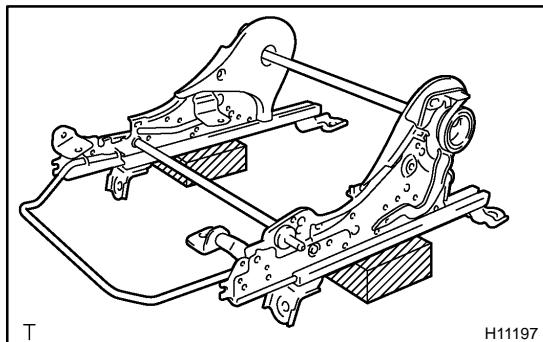
REASSEMBLY

1. w/ Vertical adjuster:
ASSEMBLE OUTER TRACK AND INNER TRACK
2. **INSTALL SEAT TRACK HANDLE**



3. **INSTALL SEAT CUSHION INSIDE COVER**

- (a) Install the seat cushion inside cover with the screw.
- (b) Employ the same manner described above to the other side.



4. **INSTALL RECLINING CONNECTING PIPE**

- (a) Adjust the reclining lock positions of the seat adjusters.
- (b) Slide the seat adjusters to the most front position.
- (c) Place the adjusters on a spacer to adjust the seat rails in parallel and install the connecting pipe.

HINT:

When installing the connecting pipe while raising up the adjusters, the lock positions adjusted in 4-(a) may become detached. When this happens, a lock error will occur.

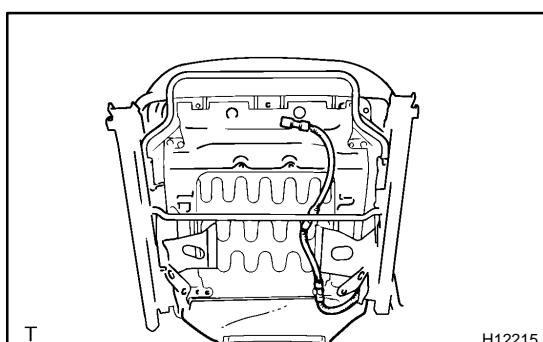
5. **INSTALL SEATBACK FRAME**

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

6. **INSTALL SEAT CUSHION ASSEMBLY**

- (a) Install the seat cushion cover to the seat cushion pad.
- (b) Install the seat cushion cover with pad to the seat cushion frame.
- (c) Install the seat cushion assembly to the seat adjuster with 4 bolts.

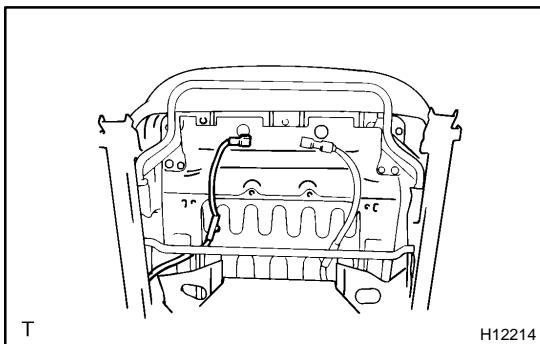
Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)



- (d) Install the side airbag assembly wire harness and new hog rings.

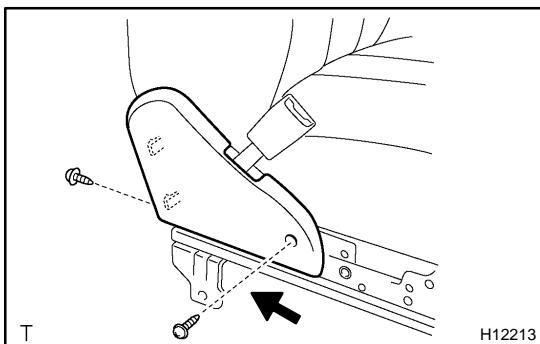
7. **INSTALL SEATBACK ASSEMBLY**

- (a) Install the seatback cover to the seatback pad.
- (b) Install the seatback cover with pad to the seatback frame.
- (c) Engage the hook as shown in the illustration.
- (d) Install new hog rings.
- (e) Install the headrest support.



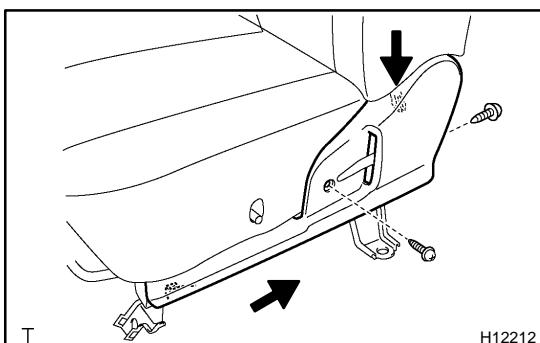
8. INSTALL FRONT SEAT INNER BELT

- (a) Install the front seat inner belt with bolt and washer.
Torque: 41 N·m (420 kgf·cm, 30 ft·lbf)
- (b) Install the front seat inner belt wire harness to the seat cushion frame.



9. INSTALL FRONT SEAT CUSHION INNER SHIELD

Install the front seat cushion inner shield with the 2 screws as shown in the illustration.



10. INSTALL FRONT SEAT CUSHION SHIELD

Install the front cushion shield with the screw as shown in the illustration.

11. INSTALL RECLINING ADJUSTER RELEASE HANDLE

12. w/ Vertical adjuster:

INSTALL VERTICAL ADJUSTER KNOB

13. INSTALL SEATBACK BOARD

14. INSTALL HEADREST

REMOVAL

REMOVE FRONT SEAT

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

HINT:

Tape the screwdriver tip before use.

(b) Remove the 4 bolts.

(c) Disconnect the connectors.

NOTICE:

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

(d) Remove the front seat.

NOTICE:

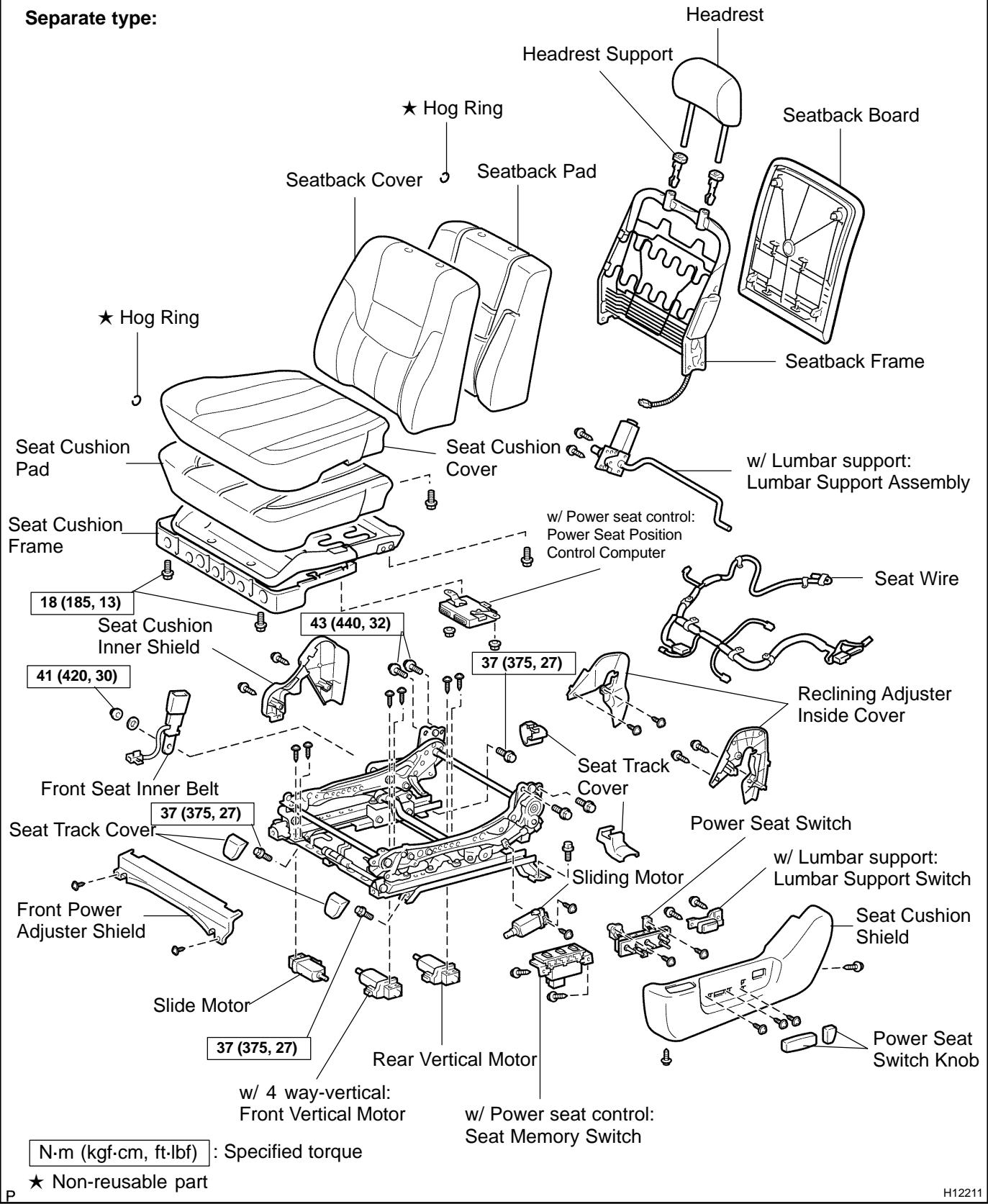
Be careful not to damage the body.

FRONT SEAT (Power Adjuster Type)

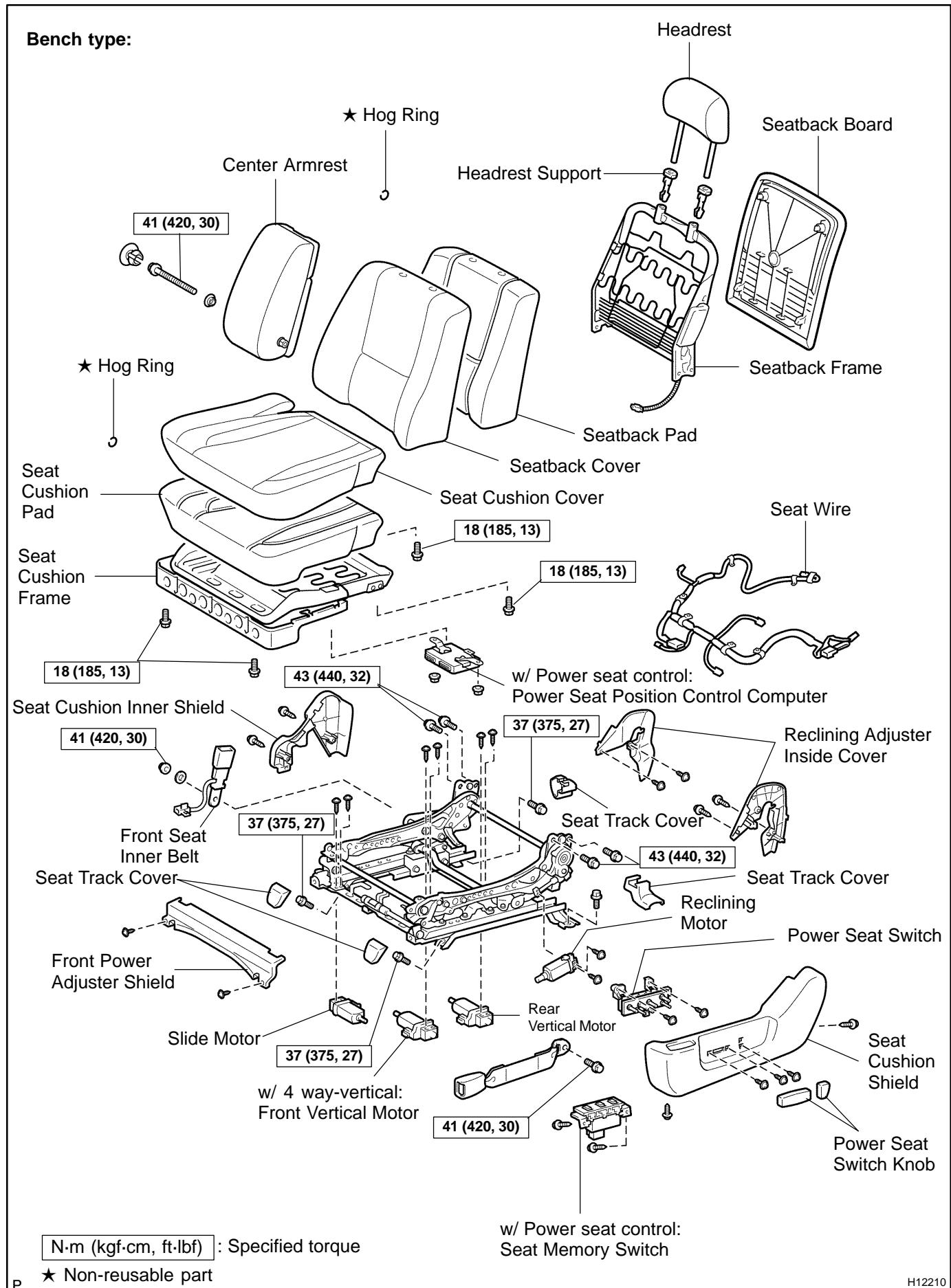
COMPONENTS

BO2Q2-01

Separate type:



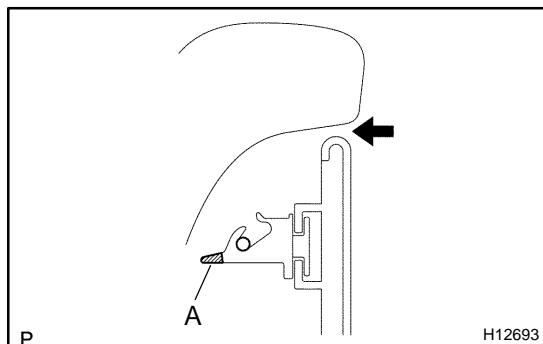
H12211



DISASSEMBLY

CAUTION:

- ★ When storing the seatback frame with the side airbag assembly, do not face down the airbag deployment side.
- ★ Never disassemble the side airbag assembly.
- 1. Bench type: Driver's seat
REMOVE CENTER ARMREST
- 2. **REMOVE HEADREST**

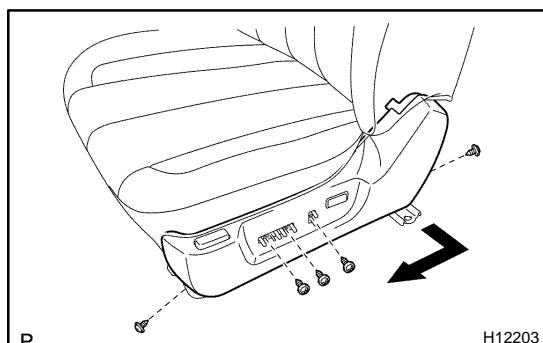


3. REMOVE SEATBACK BOARD

Remove the seatback board.

HINT:

Insert your hand between the upper part of the seatback board and seat cushion, and press "A" of the clips to remove the clips from the frame wire.



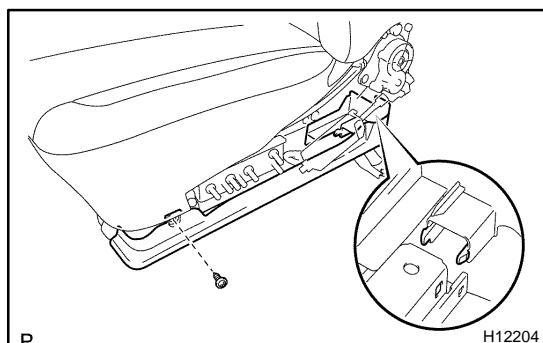
4. REMOVE SEAT CUSHION SHIELD

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

HINT:

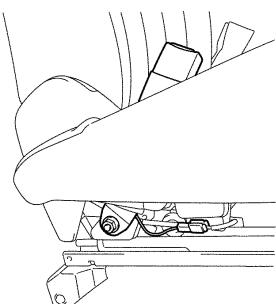
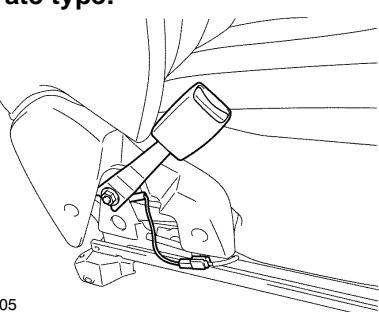
Tape the screwdriver tip before use.

- (b) Remove the 5 screws.
- (c) Remove the seat cushion shield as shown in the illustration, then disconnect the connectors.
- (d) w/ Lumbar support:
Remove the 2 screws and lumbar support switch from the seat cushion shield.
- (e) w/ Power seat control:
Remove the 2 screws and seat memory switch from the seat cushion shield.



5. REMOVE SEAT CUSHION LOWER SHIELD

Remove the screw and seat cushion lower shield as shown in the illustration.

Bench type:**Separate type:**

P H12205

H12660

6. REMOVE FRONT SEAT INNER BELT

- (a) Disconnect the connector.
- (b) Remove the connector, then remove the nut, washer and front seat inner belt.

Torque: 41 N·m (420 kgf·cm, 30 ft·lbf)**7. REMOVE SEAT CUSHION INNER SHIELD****8. REMOVE SEATBACK COVER**

- (a) Remove the headrest supports.
- (b) Remove the hog rings.

- (c) Disengage the hook as shown in the illustration.

- (d) Remove the seatback cover with pad.

- (e) Remove the seatback cover from the seatback pad.

9. REMOVE FRONT POWER ADJUSTER SHIELD**10. Bench type:****REMOVE FRONT SEAT CENTER BELT****Torque: 41 N·m (420 kgf·cm, 30 ft·lbf)****11. REMOVE SEAT CUSHION COVER**

- (a) Remove the seat wire clamp from the seat cushion assembly.

(b) Separate type:

- Remove the 4 bolts and seat cushion assembly.

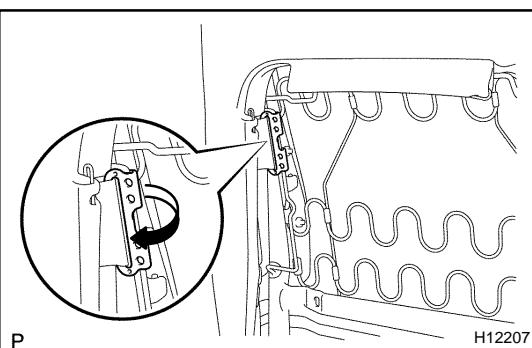
Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)**(c) Bench type:**

- Remove the 5 bolts and seat cushion assembly.

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

- (d) Remove the seat cushion cover with pad from the seat cushion frame.

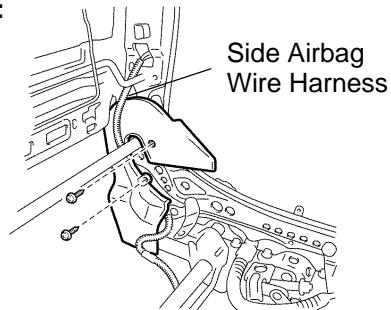
- (e) Remove the seat cushion cover from the seat cushion pad.

12. REMOVE POWER SEAT SWITCH**13. REMOVE SEAT WIRE**

P

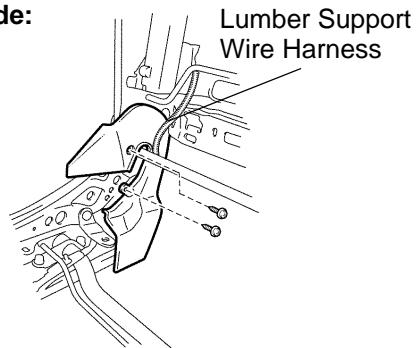
H12207

LH side:



Side Airbag Wire Harness

RH side:



Lumbar Support Wire Harness

P

H12208

14. REMOVE RECLINING ADJUSTER INSIDE COVERS

Remove the 4 screws and reclining adjuster inside covers.

15. REMOVE SEATBACK FRAME**Torque: 41 N·m (420 kgf·cm, 30 ft·lbf)****16. w/ Lumbar support:****REMOVE LUMBAR SUPPORT ASSEMBLY**

P

H12209

17. REMOVE SLIDE MOTOR

- (a) Remove the 2 screws, then disconnect the drive cable.
- (b) Remove the slide motor from the power seat adjuster.

18. w/ 4 way-vertical:**REMOVE FRONT VERTICAL MOTOR****19. REMOVE REAR VERTICAL MOTOR****20. REMOVE RECLINING MOTOR**

INSTALLATION

Installation is in the reverse order of removal (See page [BO-105](#)).

REASSEMBLY

Reassembly is in the reverse order of disassembly (See page [BO-106](#)).

REMOVAL

REMOVE FRONT SEAT

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

HINT:

Tape the screwdriver tip before use.

- (b) Remove the 4 bolts.

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

- (c) Disconnect the connectors.

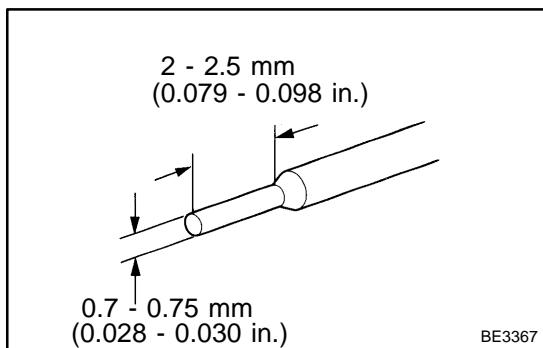
NOTICE:

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

- (d) Remove the front seat.

NOTICE:

Be careful not to damage the body.



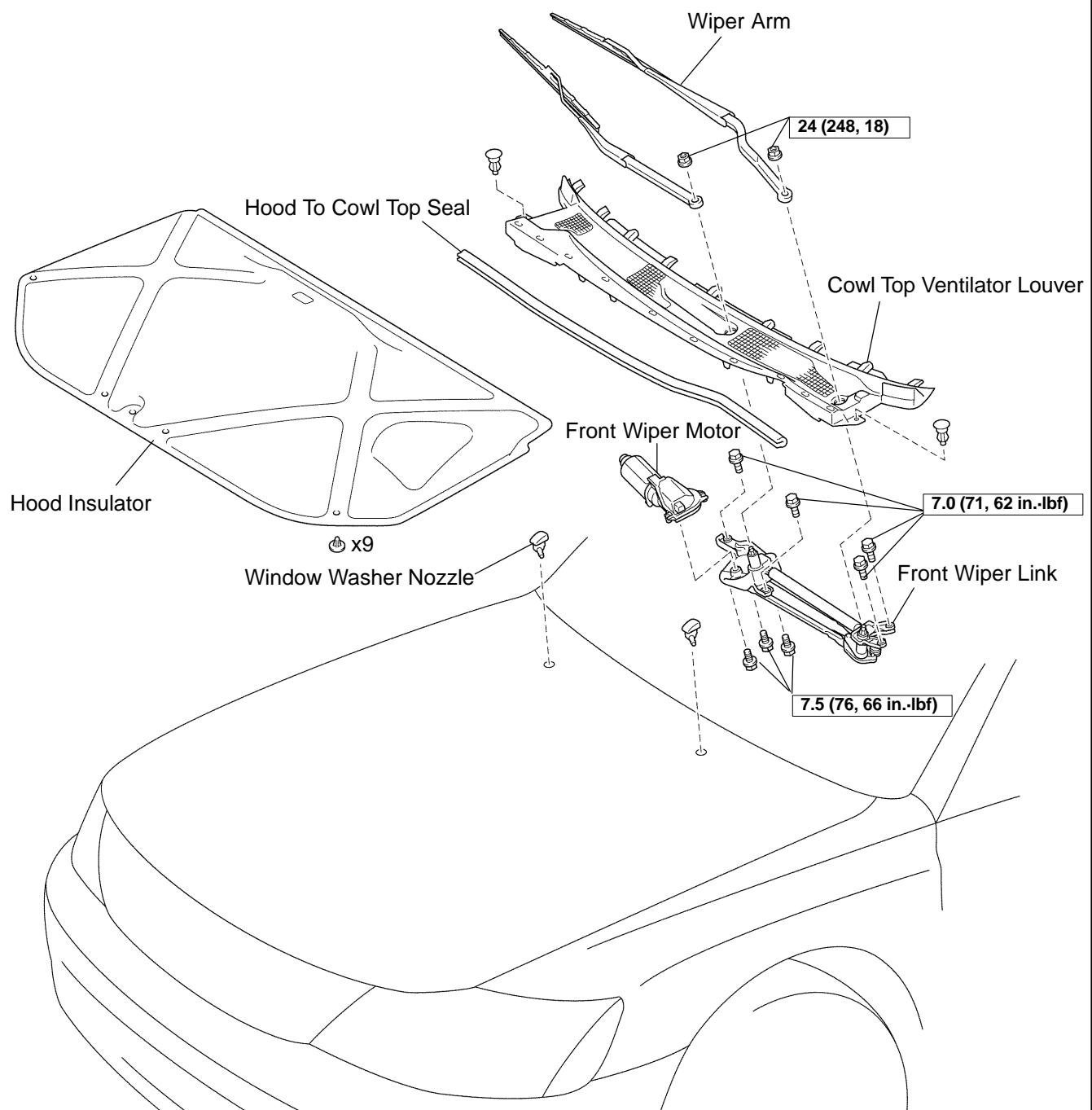
ADJUSTMENT

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.

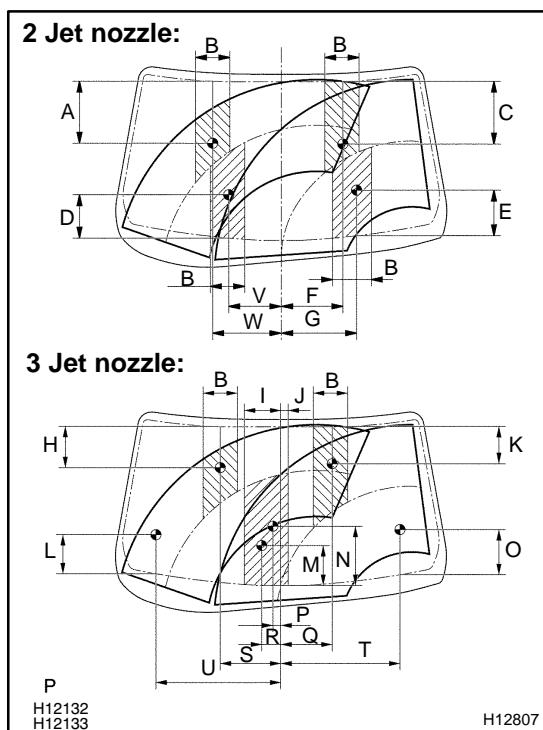
FRONT WIPER AND WASHER COMPONENTS

BO2P2-01



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

H12135



INSPECTION

INSPECT FRONT WASHER NOZZLE

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

- A: 360 mm (14.17 in.)
- B: 150 mm (5.91 in.)
- C: 370 mm (14.57 in.)
- D: 190 mm (7.48 in.)
- E: 200 mm (7.87 in.)
- F: 220 mm (8.66 in.)
- G: 430 mm (16.93 in.)
- H: 265 mm (10.43 in.)
- I: 165 mm (6.50 in.)
- J: 35 mm (1.38 in.)
- K: 215 mm (8.46 in.)
- L: 180 mm (7.09 in.)
- M: 175 mm (6.89 in.)
- N: 265 mm (10.43 in.)
- O: 195 mm (7.68 in.)
- P: 40 mm (1.57 in.)
- Q: 230 mm (9.06 in.)
- R: 90 mm (3.54 in.)
- S: 270 mm (10.63 in.)
- T: 545 mm (21.46 in.)
- U: 505 mm (19.88 in.)
- V: 130 mm (5.12 in.)
- W: 350 mm (13.78 in.)

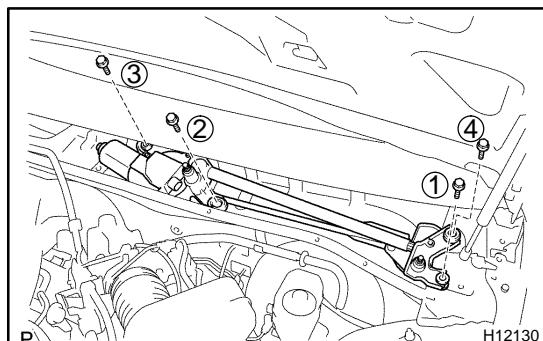
INSTALLATION

1. **INSTALL WINDOW WASHER NOZZLES**
2. **INSTALL HOOD INSULATOR**
3. **INSTALL WIPER MOTOR**
 - (a) Install the wiper motor to the wiper link with the 3 bolts.
Torque: 7.5 kgf·cm (76 kgf·cm, 66 in.-lbf)
 - (b) Connect the wiper link to the wiper motor.
4. **INSTALL FRONT WIPER MOTOR & LINK ASSEMBLY**
 - (a) Place the front wiper motor & link assembly into the cowl panel.

HINT:

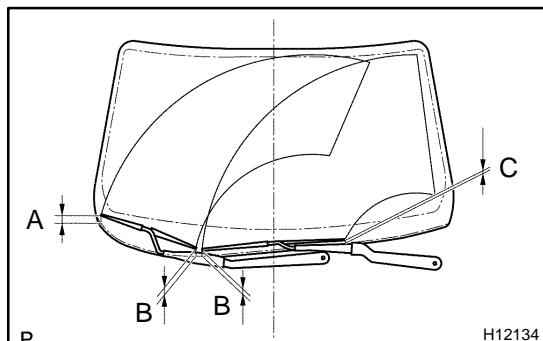
Snow clutch should be in the normal condition.

If snow clutch position is changed into the winter condition, re-change it into the normal condition.



- (b) Set the front wiper motor & link assembly aligning the installation holes and tighten the bolts in the order shown in the illustration.
Torque: 7.0 kgf·cm (71 kgf·cm, 62 in.-lbf)
- (c) Install the wire harness clamp, then connect the connector.

5. **INSTALL COWL TOP VENTILATOR LOUVER**
6. **INSTALL HOOD TO COWL TOP SEAL**
7. **INSTALL WIPER ARMS**
 - (a) Operate the wiper motor once and turn the wiper switch OFF.
 - (b) Install the wiper arms and tighten nuts by hand.



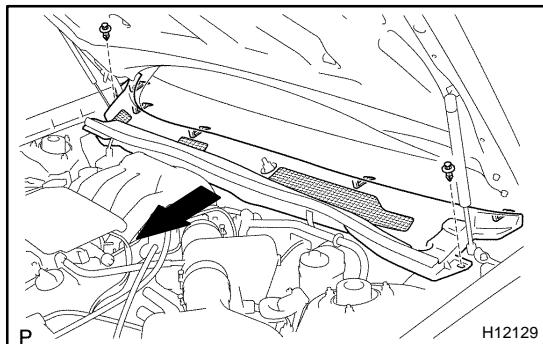
- (c) Adjust the installation position of the wiper arms to the position as shown in the illustration.
A: 52 mm (2.05 in.)
B: 30 ± 10 mm (1.18 ± 0.39 in.)
C: 21.3 mm (0.839 in.)
- (d) Torque the 2 nuts.
Torque: 24 kgf·cm (248 kgf·cm, 18 ft-lbf)
- (e) Install the 2 wiper arm head caps.

REMOVAL

1. REMOVE WIPER ARMS
2. REMOVE HOOD TO COWL TOP SEAL

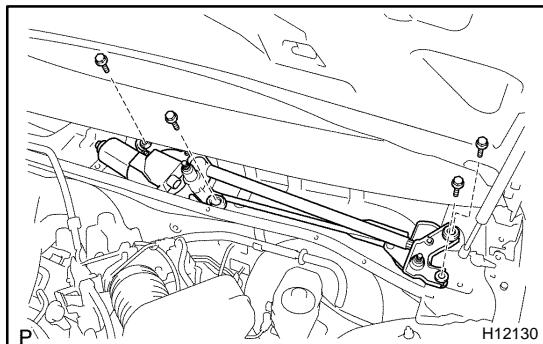
NOTICE:

Do not strongly pull off the hood to cowl top seal as it may tear.



3. REMOVE COWL TOP VENTILATOR LOUVER

- (a) Using a clip remover, remove the 2 clips.
- (b) Remove the cowl top ventilator louver as shown in the illustration.



4. REMOVE FRONT WIPER MOTOR & LINK ASSEMBLY

- (a) Disconnect the connector, then remove the wire harness.
- (b) Remove the 4 bolts and front wiper motor & link assembly.

5. REMOVE WIPER MOTOR

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

HINT:

Tape the screwdriver tip before use.

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

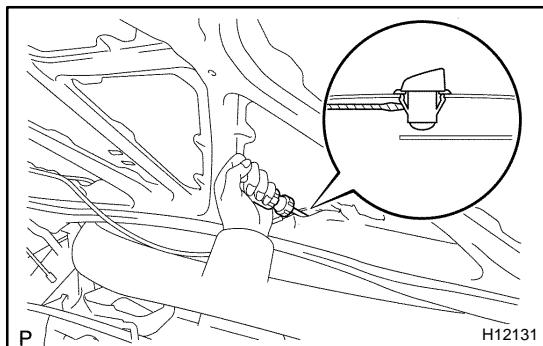
6. REMOVE WINDOW WASHER NOZZLE

- (a) Remove the 9 clips and hood insulator.
- (b) Using a screwdriver, remove the window washer nozzle.

HINT:

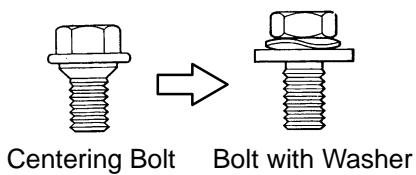
Tape the screwdriver tip before use.

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



HOOD ADJUSTMENT

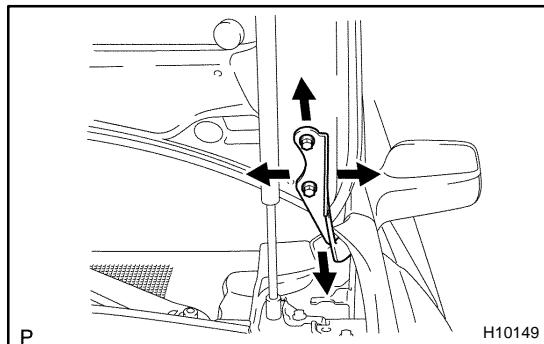
BO0XL-03



BO5235

HINT:

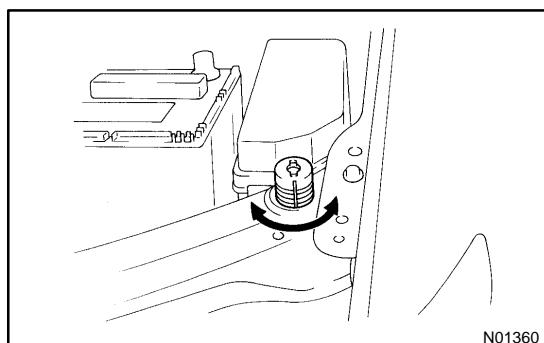
Since the centering bolt is used as a hood hinge and lock set bolt, the hood and lock cannot be adjusted with it on. Substitute the bolt with washer for the centering bolts.



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

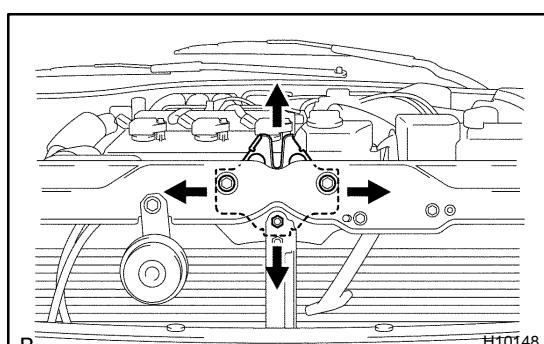
Adjust the hood by loosening the hood side hinge bolts.

Torque: 13 N·m (130 kgf·cm, 9 ft·lbf)



2. ADJUST FRONT EDGE OF HOOD IN VERTICAL DIRECTION

Adjust the hood by turning the cushions.



3. ADJUST HOOD LOCK

Adjust the lock by loosening the 2 bolts and nut.

Torque: 6.9 N·m (70 kgf·cm, 61 in.-lbf)

HOOD SUPPORT

REPLACEMENT

BO0XM-03

1. REMOVE SUPPORT FROM HOOD

Remove the bolt and support from the hood.

HINT:

While supporting the hood by hand, remove the support.

2. REMOVE SUPPORT FROM BODY

Remove the bolt and support.

3. IF NECESSARY, REPLACE HOOD SUPPORT

NOTICE:

Handling the hood support

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

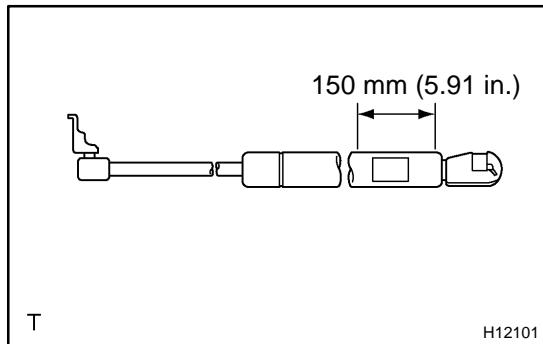
4. INSTALL HOOD SUPPORT

(a) Install the bolt and hood support to the body.

Torque: 17 N·m (175 kgf·cm, 13 ft·lbf)

(b) Install the bolts and hood support to the hood.

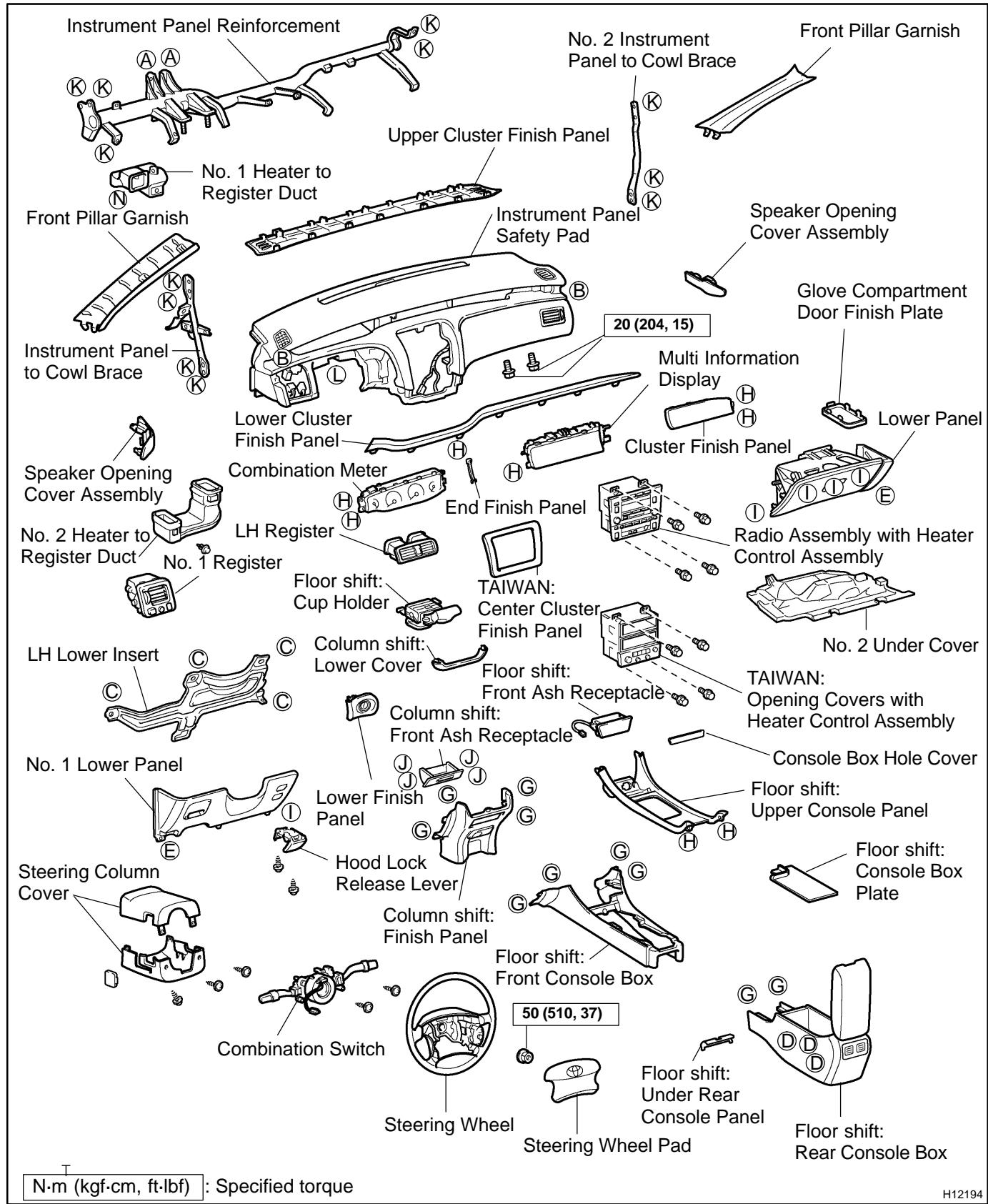
Torque: 17 N·m (175 kgf·cm, 13 ft·lbf)



INSTRUMENT PANEL

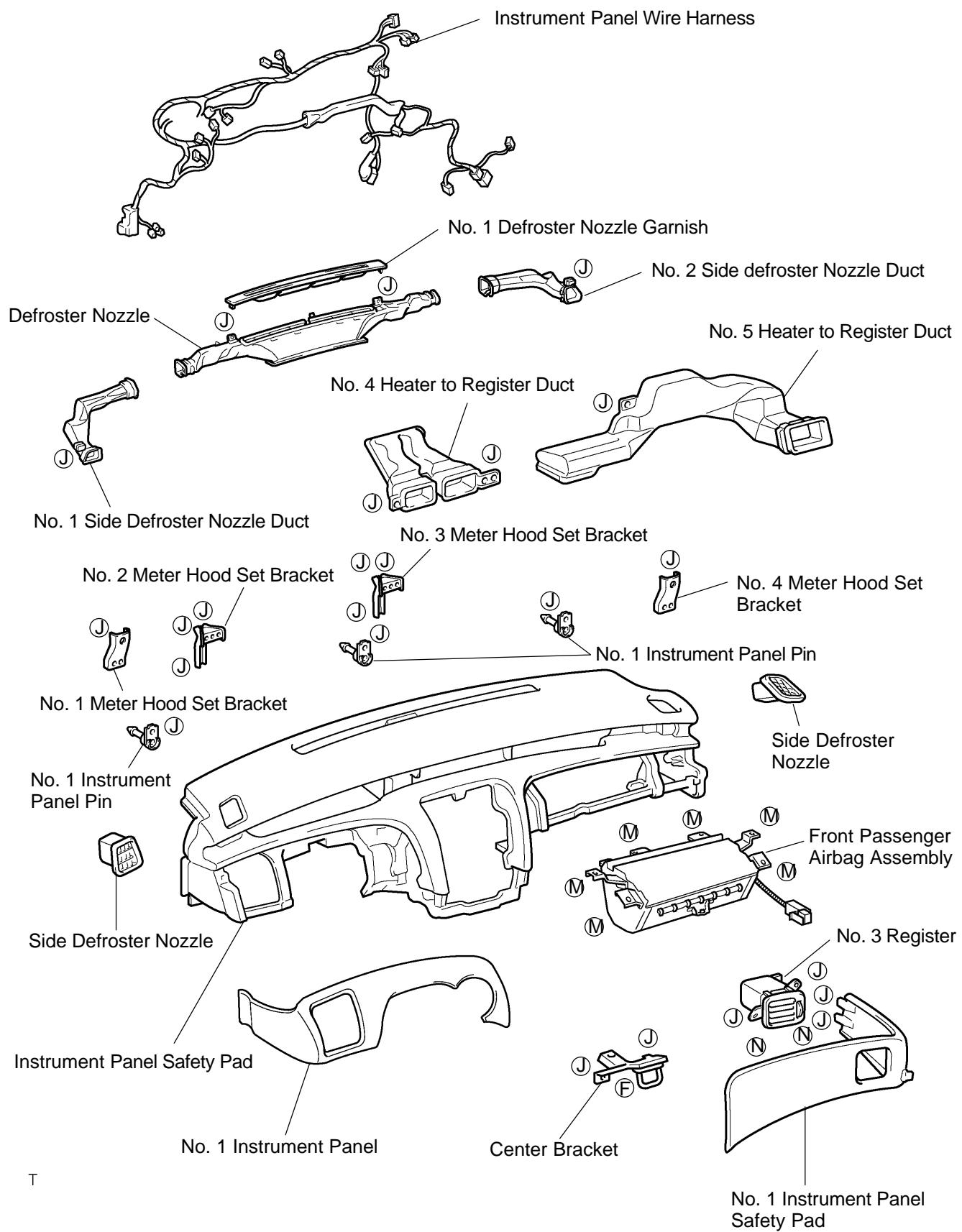
BO2PU-02

COMPONENTS



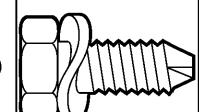
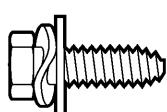
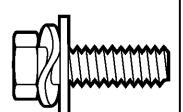
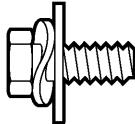
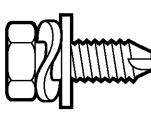
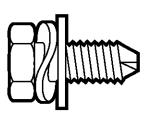
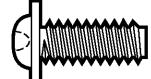
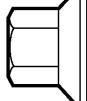
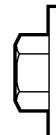
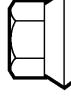
N·m (kgf·cm, ft·lbf) : Specified torque

H12194



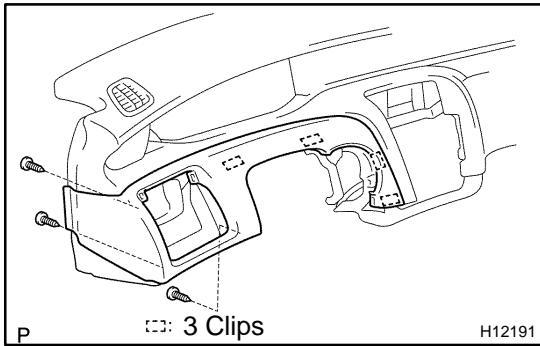
HINT:

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

mm (in.)								
	Shape	Size		Shape	Size		Shape	Size
Ⓐ		$\varnothing = 8$ (0.31) $L = 20$ (0.79)	Ⓑ		$\varnothing = 6$ (0.24) $L = 20$ (0.79)	Ⓒ		$\varnothing = 6$ (0.24) $L = 20$ (0.79)
Ⓓ		$\varnothing = 6$ (0.24) $L = 16$ (0.63)	Ⓔ		$\varnothing = 6$ (0.24) $L = 18$ (0.71)	Ⓕ		$\varnothing = 6$ (0.24) $L = 16$ (0.63)
Ⓖ		$\varnothing = 5.22$ (0.2055) $L = 20$ (0.79)	Ⓗ		$\varnothing = 5.22$ (0.2055) $L = 16$ (0.63)	Ⓘ		$\varnothing = 5$ (0.20) $L = 16$ (0.63)
Ⓛ		$\varnothing = 5$ (0.20) $L = 14$ (0.55)	Ⓛ		$\varnothing = 8$ (0.31)	Ⓛ		$\varnothing = 6$ (0.24)
Ⓜ		$\varnothing = 6$ (0.24)	Ⓝ		$\varnothing = 6$ (0.24)			

T

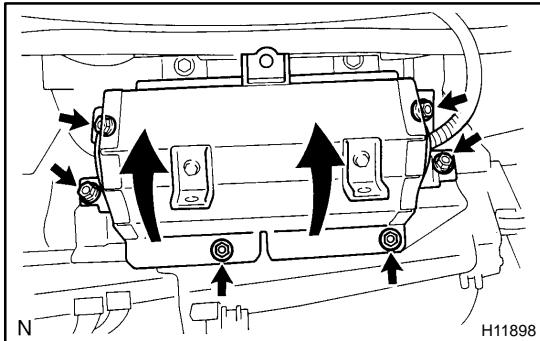
H12196



DISASSEMBLY

1. **REMOVE NO. 1 INSTRUMENT PANEL**
 - (a) Remove the 3 screws.
 - (b) Using a screwdriver, remove the No.1 instrument panel.

HINT:
Tape the screwdriver tip before use.
2. **REMOVE SIDE DEFROSTER NOZZLES**
3. **REMOVE NO. 1 DEFROSTER NOZZLE GARNISH**
4. **REMOVE NO. 1 INSTRUMENT PANEL PINS**
5. **REMOVE NO. 1 SIDE DEFROSTER NOZZLE DUCT**
6. **REMOVE NO. 2 SIDE DEFROSTER NOZZLE DUCT**
7. **REMOVE DEFROSTER NOZZLE**
8. **REMOVE NO. 5 HEATER TO REGISTER DUCT**
9. **REMOVE NO. 4 HEATER TO REGISTER DUCT**
10. **REMOVE METER HOOD SET BRACKETS**
11. **REMOVE CENTER BRACKET**
12. **REMOVE INSTRUMENT PANEL WIRE HARNESS**



13. **REMOVE FRONT PASSENGER AIRBAG ASSEMBLY**

Remove the 6 nuts and front passenger airbag assembly as shown in the illustration.

CAUTION:

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

NOTICE:

When removing the front passenger airbag assembly, take care not to damage the wire harness.

14. **REMOVE NO. 1 INSTRUMENT PANEL SAFETY PAD**
15. **REMOVE NO. 3 REGISTER**

INSTALLATION

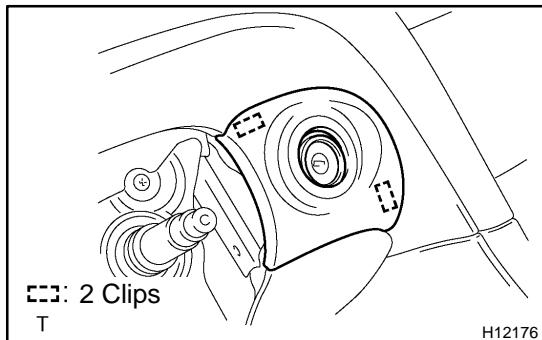
Installation is in the reverse order of removal (See page [BO-90](#)).

REASSEMBLY

Reassembly is in the reverse order of disassembly (See page [BO-95](#)).

REMOVAL

1. REMOVE FRONT SEATS
(See page BO-105 or BO-112)
2. REMOVE FRONT DOOR WEATHERSTRIPS
3. REMOVE FRONT PILLAR GARNISHES
4. REMOVE STEERING WHEEL PAD
(See page SR-12)
5. REMOVE COLUMN COVERS

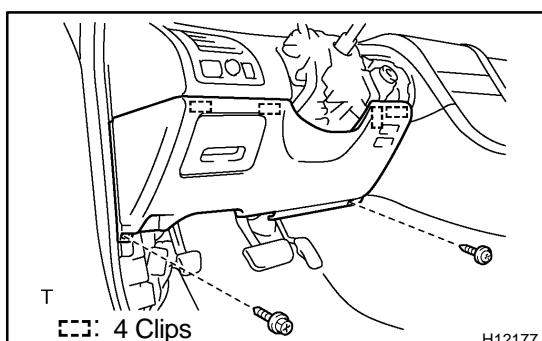


6. REMOVE LOWER FINISH PANEL

Using a screwdriver, remove the lower finish panel.

HINT:

Tape the screwdriver tip before use.



7. REMOVE NO. 1 LOWER PANEL

- (a) Remove the 2 screws and hood lock release lever.
- (b) Using a screwdriver, remove the No. 1 lower panel.

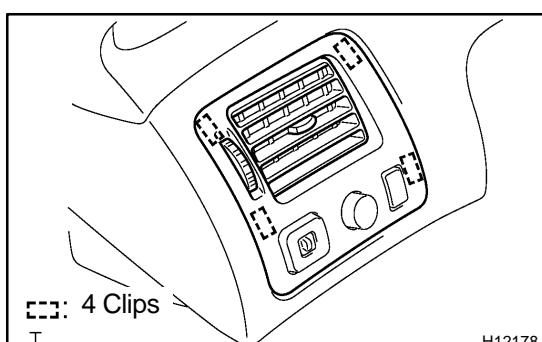
HINT:

Tape the screwdriver tip before use.

8. REMOVE LH LOWER INSERT

9. REMOVE NO. 2 HEATER TO REGISTER DUCT

Remove the 2 clips and heater to register duct.



10. REMOVE NO. 1 REGISTER

Using a screwdriver, remove the No. 1 register, then disconnect the connectors.

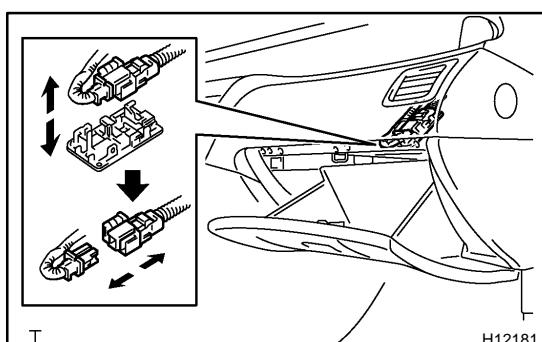
HINT:

Tape the screwdriver tip before use.

11. REMOVE STEERING COLUMN

(See page SR-12)

12. REMOVE NO. 2 UNDER COVER



13. DISCONNECT AIRBAG CONNECTOR

- (a) Using a screwdriver, pry out the glove compartment door finish plate inside the lower panel.

HINT:

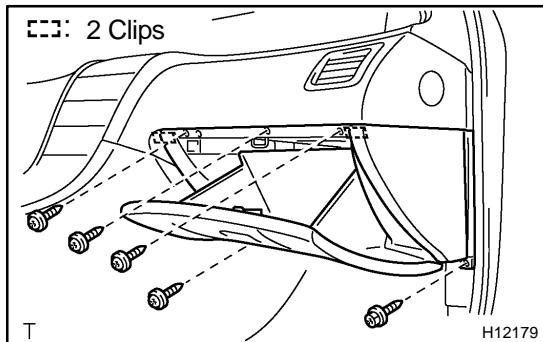
Tape the screwdriver tip before use.

- (b) Remove the connector from the the glove compartment door finish plate.

- (c) Disconnect the airbag connector.

NOTICE:

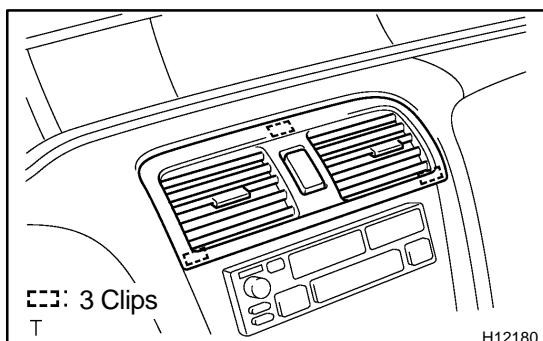
When disconnecting the airbag connector, take care not to damage the airbag wire harness.

**14. REMOVE LOWER PANEL**

- Remove the 5 screws.
- Using a screwdriver, remove the lower panel, then disconnect the connector.

HINT:

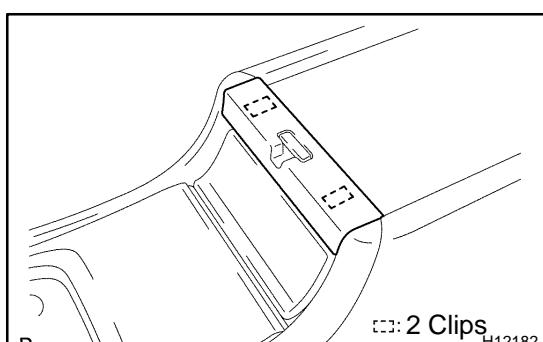
Tape the screwdriver tip before use.

**15. REMOVE LH REGISTER**

Using a screwdriver, remove the LH register, then disconnect the connector.

HINT:

Tape the screwdriver tip before use.

**16. Floor shift:****REMOVE UPPER REAR CONSOLE PANEL**

Using a screwdriver, remove the upper rear console panel.

HINT:

Tape the screwdriver tip before use.

17. Floor shift:**REMOVE FRONT ASH RECEPTACLE****HINT:**

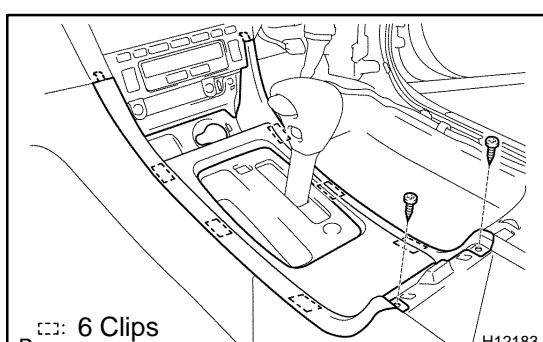
Do not pull the front ash receptacle door when removing the front ash receptacle.

18. Floor shift:**REMOVE UPPER CONSOLE PANEL**

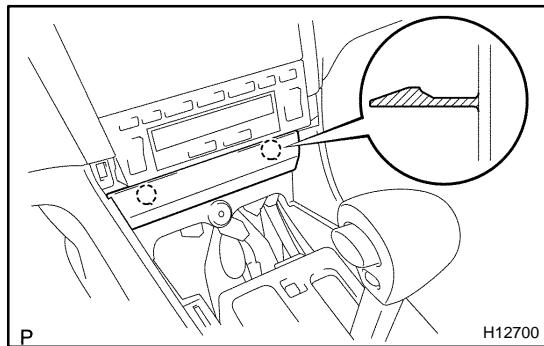
- Remove the 2 screws.
- Using a screwdriver, remove the upper console panel.

HINT:

Tape the screwdriver tip before use.



19. **Floor shift:**
REMOVE CUP HOLDER
20. **Floor shift:**
REMOVE REAR CONSOLE BOX
 - (a) Remove the console box plate.
 - (b) Remove the 2 screws, 3 bolts and rear console box, then disconnect the connector.



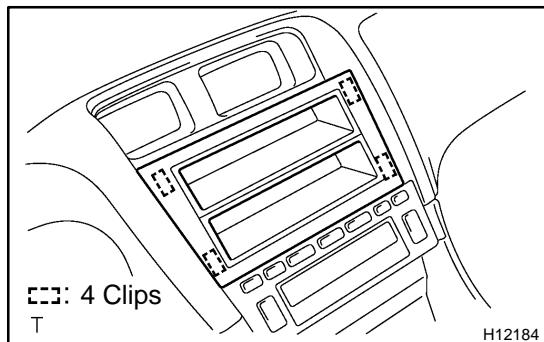
21. **Floor shift:**
REMOVE CONSOLE BOX HOLE COVER

Using a screwdriver, remove the console box hole cover.

HINT:

Tape the screwdriver tip before use.

22. **Floor shift:**
REMOVE RADIO ASSEMBLY WITH HEATER CONTROL ASSEMBLY
 - (a) Except TAIWAN:
Remove the 4 bolts and radio assembly with heater control assembly, then disconnect the connectors.

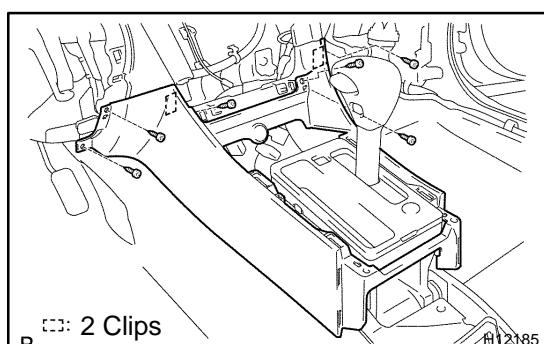


- (b) TAIWAN:
Using a screwdriver, remove the center cluster finish panel.

HINT:

Tape the screwdriver tip before use.

- (c) TAIWAN:
Remove the 4 bolts and opening covers with heater control assembly, then disconnect the connectors.

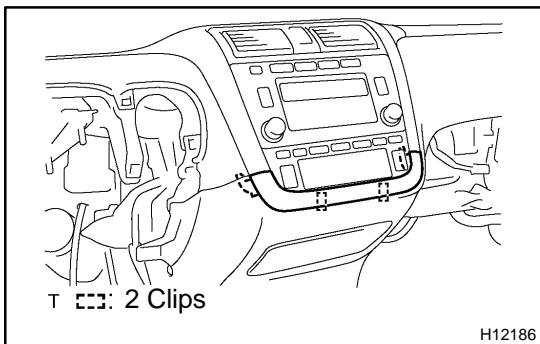


23. **Floor shift:**
REMOVE FRONT CONSOLE BOX

- (a) Remove the 6 screws.
- (b) Using a screwdriver, remove the front console box.

HINT:

Tape the screwdriver tip before use.



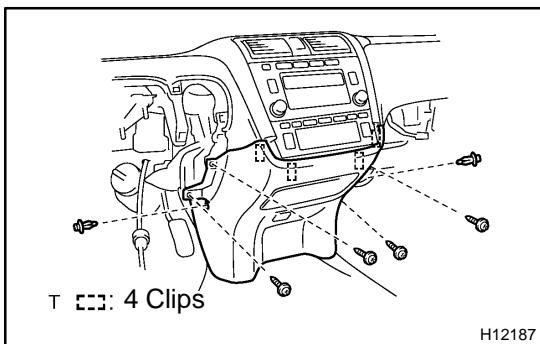
24. Column shift:

REMOVE LOWER COVER

Using a screwdriver, remove the lower cover.

HINT:

Tape the screwdriver tip before use.



25. Column shift:

REMOVE FINISH PANEL

(a) Remove the 4 screws and 2 clips.

(b) Using a screwdriver, remove the finish panel, then disconnect the connector.

HINT:

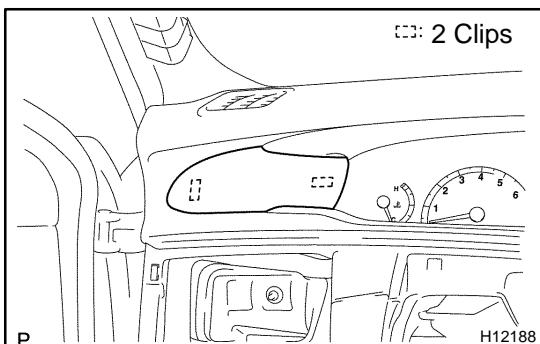
Tape the screwdriver tip before use.

(c) Remove the 4 screws and front ash receptacle.

26. Column shift:

REMOVE RADIO ASSEMBLY WITH HEATER CONTROL ASSEMBLY

Remove the 4 bolts and radio assembly with heater control assembly.



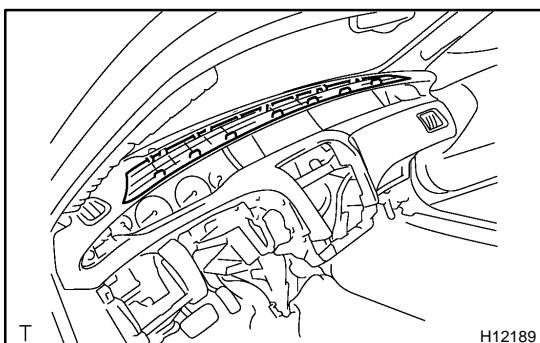
27. REMOVE SPEAKER OPENING COVER ASSEMBLY

(a) Using a screwdriver, remove the speaker opening cover assembly, then disconnect the connector.

HINT:

Tape the screwdriver tip before use.

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

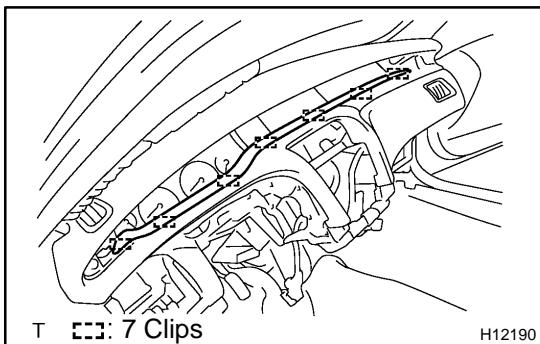


28. REMOVE UPPER CLUSTER FINISH PANEL

Using a screwdriver, remove the upper cluster finish panel.

HINT:

Tape the screwdriver tip before use.

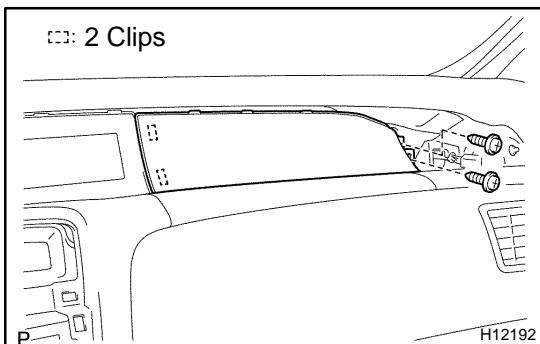


29. REMOVE LOWER CLUSTER FINISH PANEL

Using a screwdriver, remove the lower cluster finish panel.

HINT:

Tape the screwdriver tip before use.



30. REMOVE CLUSTER FINISH PANEL

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

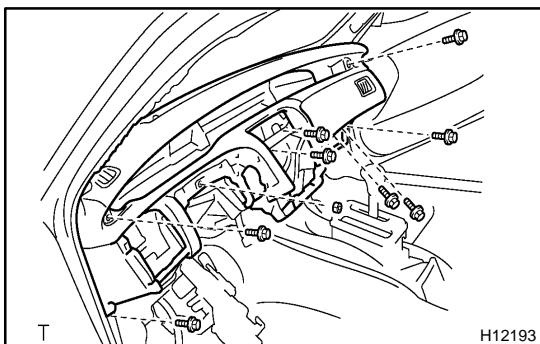
HINT:

Tape the screwdriver tip before use.

31. REMOVE END FINISH PANEL

32. REMOVE MULTI INFORMATION DISPLAY

33. REMOVE COMBINATION METER



34. REMOVE INSTRUMENT PANEL SAFETY PAD

- (a) Remove the 2 bolts from the passenger airbag assembly.
Torque: 20 N·m (204 kgf·cm, 15 ft-lbf)
- (b) Remove the 6 bolts and nut.
- (c) Disconnect the connectors.
- (d) Remove the bolts and ground terminals.
- (e) Remove the instrument panel safety pad.

35. REMOVE INSTRUMENT PANEL TO COWL BRACE

36. REMOVE NO. 2 INSTRUMENT PANEL TO COWL BRACE

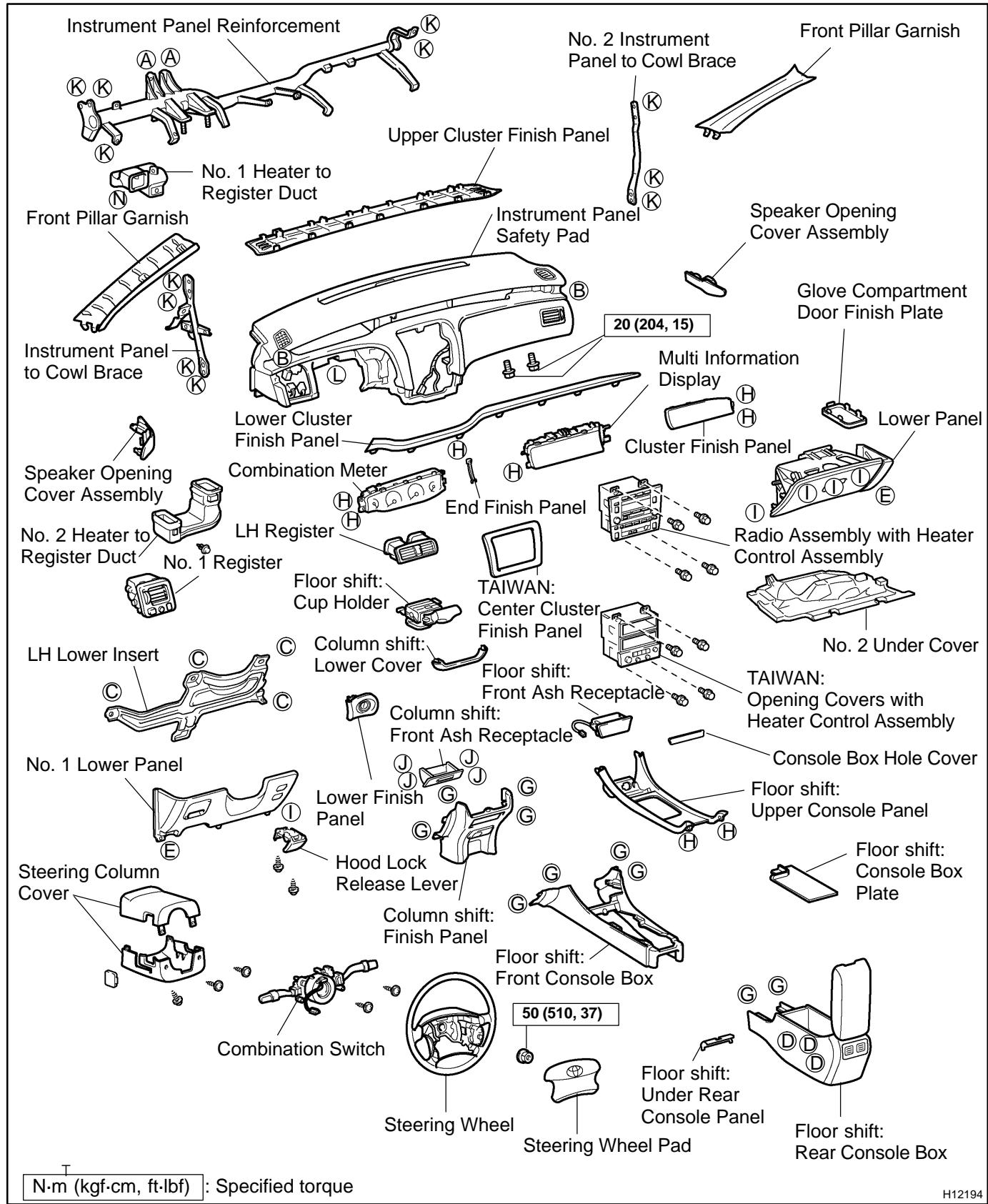
37. REMOVE NO. 1 HEATER TO REGISTER DUCT

38. REMOVE INSTRUMENT PANEL REINFORCEMENT

INSTRUMENT PANEL

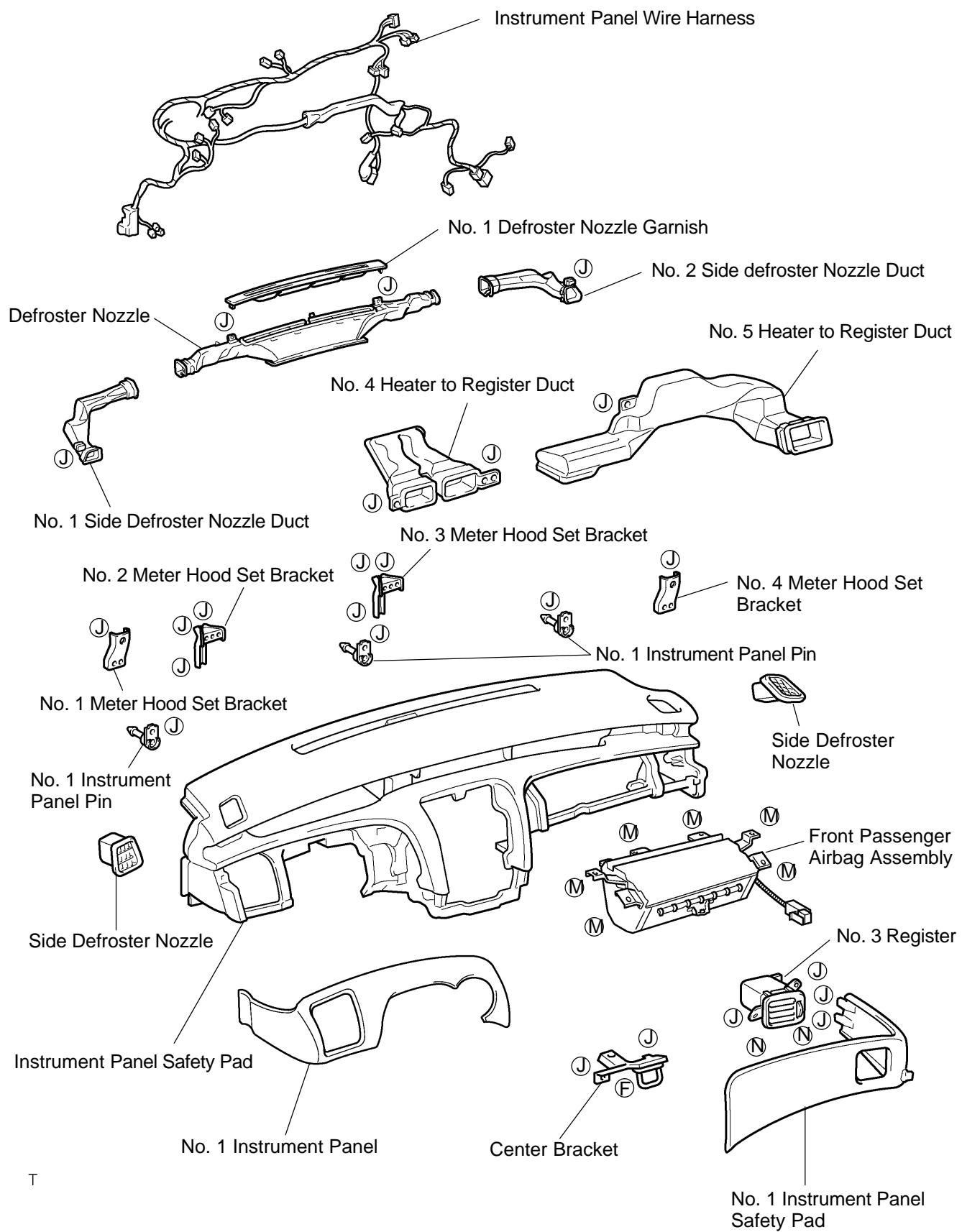
BO2PU-02

COMPONENTS



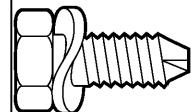
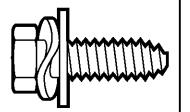
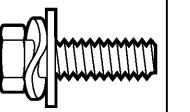
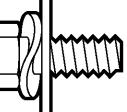
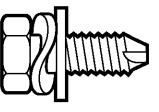
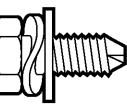
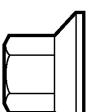
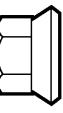
N·m (kgf·cm, ft·lbf) : Specified torque

H12194



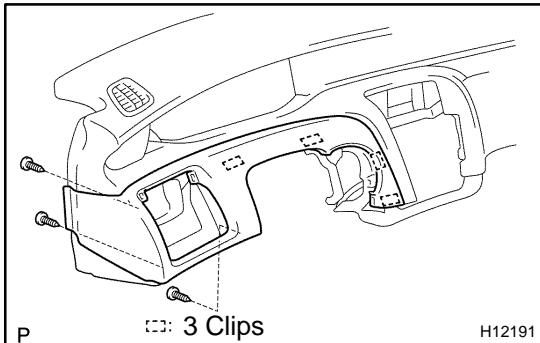
HINT:

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

mm (in.)								
	Shape	Size		Shape	Size		Shape	Size
Ⓐ		$\varnothing = 8$ (0.31) $L = 20$ (0.79)	Ⓑ		$\varnothing = 6$ (0.24) $L = 20$ (0.79)	Ⓒ		$\varnothing = 6$ (0.24) $L = 20$ (0.79)
Ⓓ		$\varnothing = 6$ (0.24) $L = 16$ (0.63)	Ⓔ		$\varnothing = 6$ (0.24) $L = 18$ (0.71)	Ⓕ		$\varnothing = 6$ (0.24) $L = 16$ (0.63)
Ⓖ		$\varnothing = 5.22$ (0.2055) $L = 20$ (0.79)	Ⓗ		$\varnothing = 5.22$ (0.2055) $L = 16$ (0.63)	Ⓘ		$\varnothing = 5$ (0.20) $L = 16$ (0.63)
Ⓛ		$\varnothing = 5$ (0.20) $L = 14$ (0.55)	Ⓛ		$\varnothing = 8$ (0.31)	Ⓛ		$\varnothing = 6$ (0.24)
Ⓜ		$\varnothing = 6$ (0.24)	Ⓝ		$\varnothing = 6$ (0.24)			

T

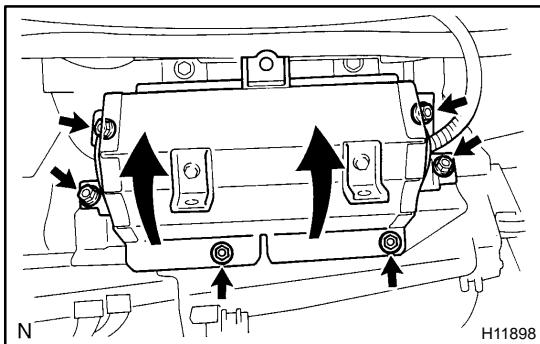
H12196



DISASSEMBLY

1. **REMOVE NO. 1 INSTRUMENT PANEL**
 - (a) Remove the 3 screws.
 - (b) Using a screwdriver, remove the No.1 instrument panel.

HINT:
Tape the screwdriver tip before use.
2. **REMOVE SIDE DEFROSTER NOZZLES**
3. **REMOVE NO. 1 DEFROSTER NOZZLE GARNISH**
4. **REMOVE NO. 1 INSTRUMENT PANEL PINS**
5. **REMOVE NO. 1 SIDE DEFROSTER NOZZLE DUCT**
6. **REMOVE NO. 2 SIDE DEFROSTER NOZZLE DUCT**
7. **REMOVE DEFROSTER NOZZLE**
8. **REMOVE NO. 5 HEATER TO REGISTER DUCT**
9. **REMOVE NO. 4 HEATER TO REGISTER DUCT**
10. **REMOVE METER HOOD SET BRACKETS**
11. **REMOVE CENTER BRACKET**
12. **REMOVE INSTRUMENT PANEL WIRE HARNESS**



13. **REMOVE FRONT PASSENGER AIRBAG ASSEMBLY**

Remove the 6 nuts and front passenger airbag assembly as shown in the illustration.

CAUTION:

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

NOTICE:

When removing the front passenger airbag assembly, take care not to damage the wire harness.

14. **REMOVE NO. 1 INSTRUMENT PANEL SAFETY PAD**
15. **REMOVE NO. 3 REGISTER**

INSTALLATION

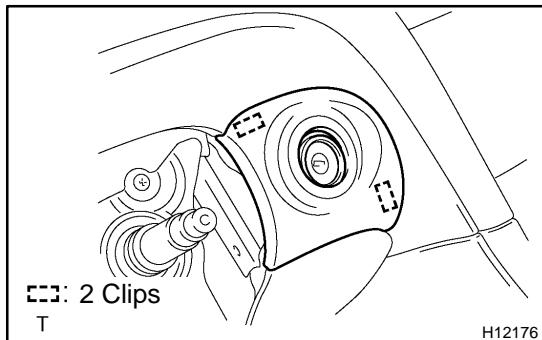
Installation is in the reverse order of removal (See page [BO-90](#)).

REASSEMBLY

Reassembly is in the reverse order of disassembly (See page [BO-95](#)).

REMOVAL

1. REMOVE FRONT SEATS
(See page BO-105 or BO-112)
2. REMOVE FRONT DOOR WEATHERSTRIPS
3. REMOVE FRONT PILLAR GARNISHES
4. REMOVE STEERING WHEEL PAD
(See page SR-12)
5. REMOVE COLUMN COVERS

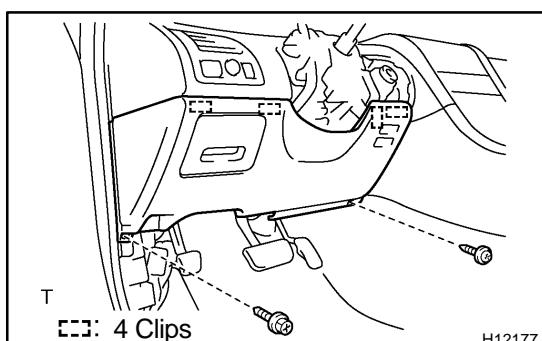


6. REMOVE LOWER FINISH PANEL

Using a screwdriver, remove the lower finish panel.

HINT:

Tape the screwdriver tip before use.



7. REMOVE NO. 1 LOWER PANEL

- (a) Remove the 2 screws and hood lock release lever.
- (b) Using a screwdriver, remove the No. 1 lower panel.

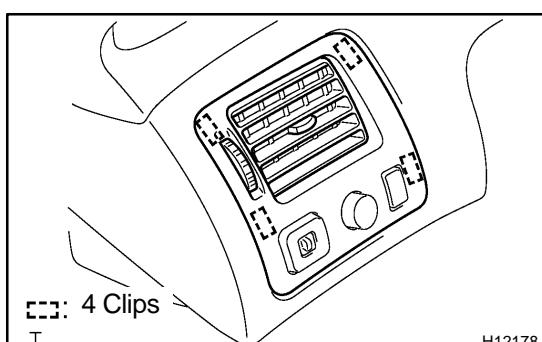
HINT:

Tape the screwdriver tip before use.

8. REMOVE LH LOWER INSERT

9. REMOVE NO. 2 HEATER TO REGISTER DUCT

Remove the 2 clips and heater to register duct.



10. REMOVE NO. 1 REGISTER

Using a screwdriver, remove the No. 1 register, then disconnect the connectors.

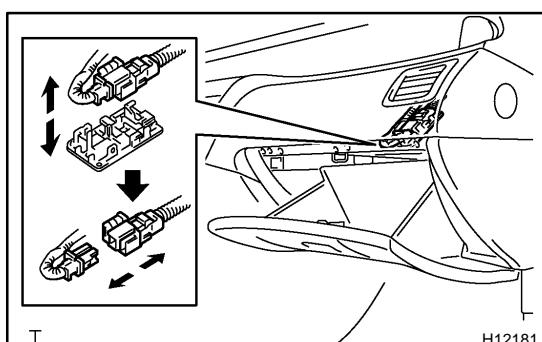
HINT:

Tape the screwdriver tip before use.

11. REMOVE STEERING COLUMN

(See page SR-12)

12. REMOVE NO. 2 UNDER COVER



13. DISCONNECT AIRBAG CONNECTOR

- (a) Using a screwdriver, pry out the glove compartment door finish plate inside the lower panel.

HINT:

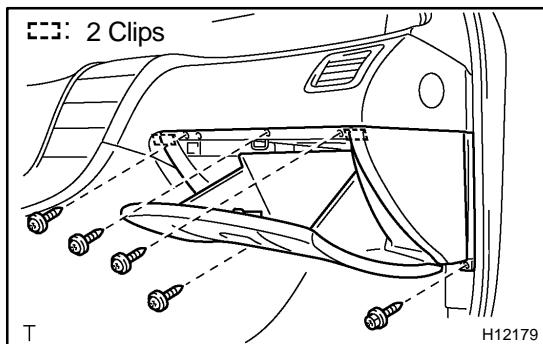
Tape the screwdriver tip before use.

- (b) Remove the connector from the the glove compartment door finish plate.

- (c) Disconnect the airbag connector.

NOTICE:

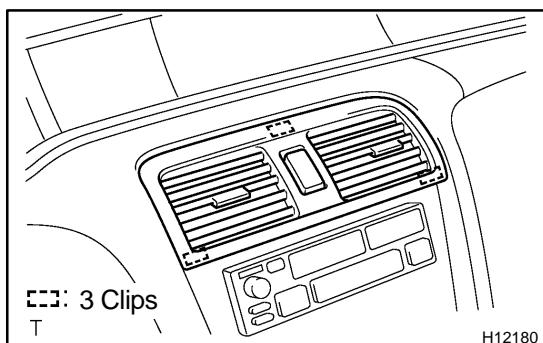
When disconnecting the airbag connector, take care not to damage the airbag wire harness.

**14. REMOVE LOWER PANEL**

- Remove the 5 screws.
- Using a screwdriver, remove the lower panel, then disconnect the connector.

HINT:

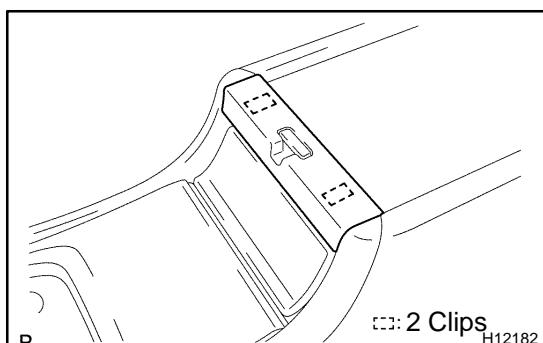
Tape the screwdriver tip before use.

**15. REMOVE LH REGISTER**

Using a screwdriver, remove the LH register, then disconnect the connector.

HINT:

Tape the screwdriver tip before use.

**16. Floor shift:****REMOVE UPPER REAR CONSOLE PANEL**

Using a screwdriver, remove the upper rear console panel.

HINT:

Tape the screwdriver tip before use.

17. Floor shift:**REMOVE FRONT ASH RECEPTACLE****HINT:**

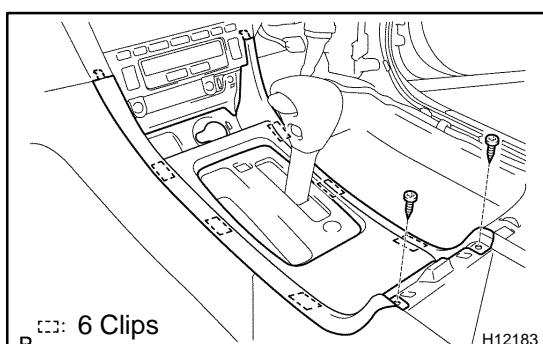
Do not pull the front ash receptacle door when removing the front ash receptacle.

18. Floor shift:**REMOVE UPPER CONSOLE PANEL**

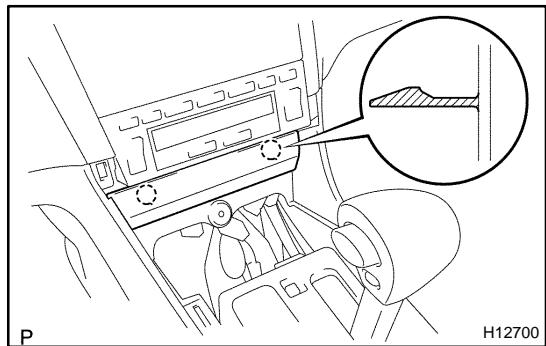
- Remove the 2 screws.
- Using a screwdriver, remove the upper console panel.

HINT:

Tape the screwdriver tip before use.



19. **Floor shift:**
REMOVE CUP HOLDER
20. **Floor shift:**
REMOVE REAR CONSOLE BOX
 - (a) Remove the console box plate.
 - (b) Remove the 2 screws, 3 bolts and rear console box, then disconnect the connector.



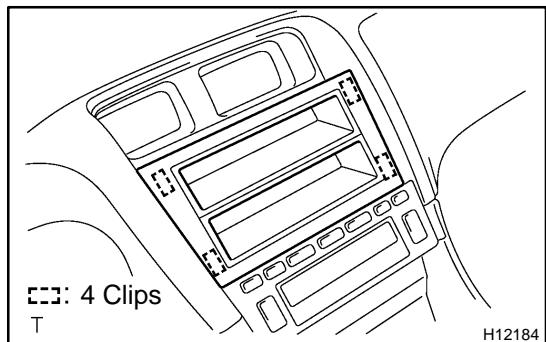
21. **Floor shift:**
REMOVE CONSOLE BOX HOLE COVER

Using a screwdriver, remove the console box hole cover.

HINT:

Tape the screwdriver tip before use.

22. **Floor shift:**
REMOVE RADIO ASSEMBLY WITH HEATER CONTROL ASSEMBLY
 - (a) Except TAIWAN:
Remove the 4 bolts and radio assembly with heater control assembly, then disconnect the connectors.

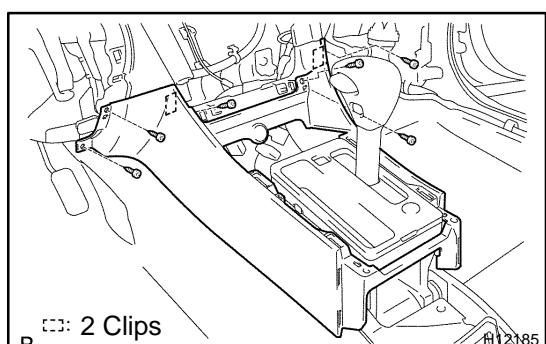


- (b) TAIWAN:
Using a screwdriver, remove the center cluster finish panel.

HINT:

Tape the screwdriver tip before use.

- (c) TAIWAN:
Remove the 4 bolts and opening covers with heater control assembly, then disconnect the connectors.

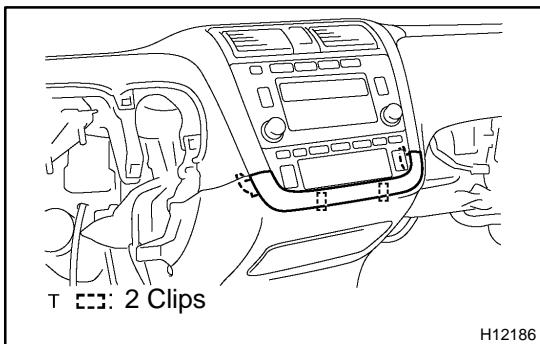


23. **Floor shift:**
REMOVE FRONT CONSOLE BOX

- (a) Remove the 6 screws.
- (b) Using a screwdriver, remove the front console box.

HINT:

Tape the screwdriver tip before use.



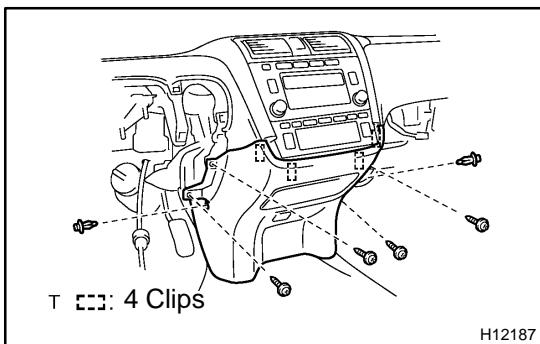
24. Column shift:

REMOVE LOWER COVER

Using a screwdriver, remove the lower cover.

HINT:

Tape the screwdriver tip before use.



25. Column shift:

REMOVE FINISH PANEL

(a) Remove the 4 screws and 2 clips.

(b) Using a screwdriver, remove the finish panel, then disconnect the connector.

HINT:

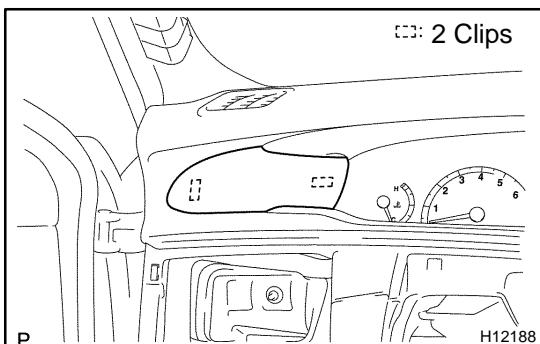
Tape the screwdriver tip before use.

(c) Remove the 4 screws and front ash receptacle.

26. Column shift:

REMOVE RADIO ASSEMBLY WITH HEATER CONTROL ASSEMBLY

Remove the 4 bolts and radio assembly with heater control assembly.



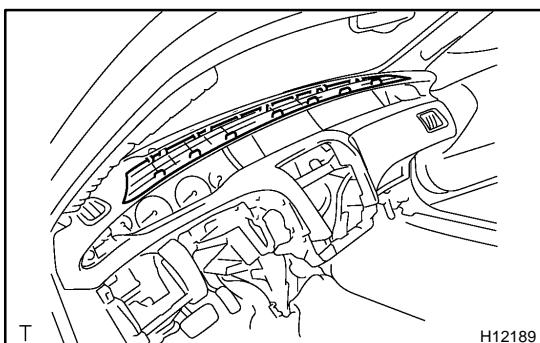
27. REMOVE SPEAKER OPENING COVER ASSEMBLY

(a) Using a screwdriver, remove the speaker opening cover assembly, then disconnect the connector.

HINT:

Tape the screwdriver tip before use.

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



28. REMOVE UPPER CLUSTER FINISH PANEL

Using a screwdriver, remove the upper cluster finish panel.

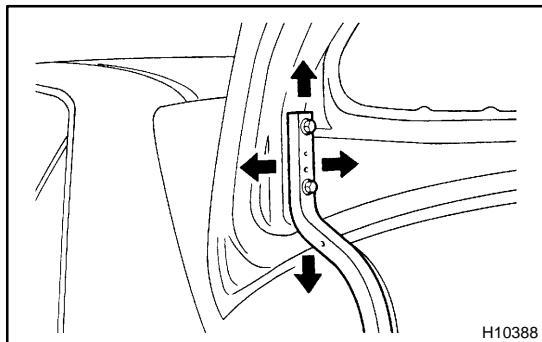
HINT:

Tape the screwdriver tip before use.

ADJUSTMENT

1. ADJUST LUGGAGE COMPARTMENT DOOR

(a) Using a clip remover, remove the 15 clips and luggage compartment door cover.



(b) For forward/rearward and left/right adjustment loosen the bolts.

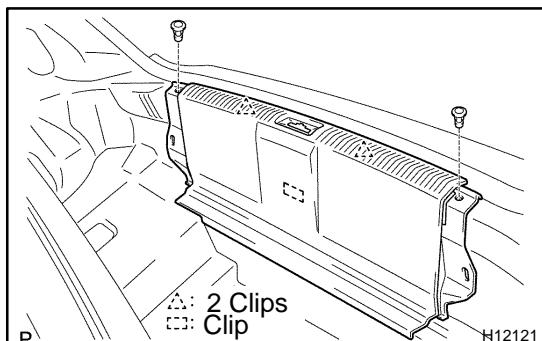
Torque: 7.8 N·m (80 kgf·cm, 69 in.-lbf)

(c) For vertical adjustment of the front end of the door, increase or decrease the number of washers between the hinge and the door.

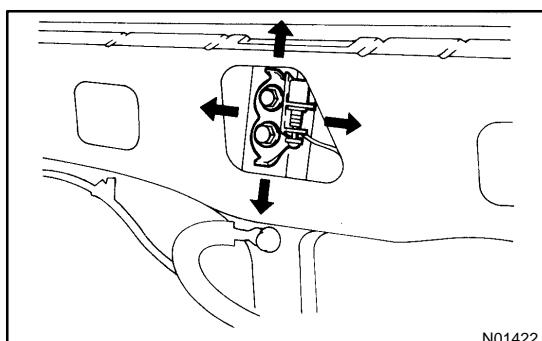
Torque: 7.8 N·m (80 kgf·cm, 69 in.-lbf)

2. ADJUST DOOR LOCK STRIKER

(a) Remove the LH and RH rear floor finish side plates.



(b) Remove the rear floor finish plate.



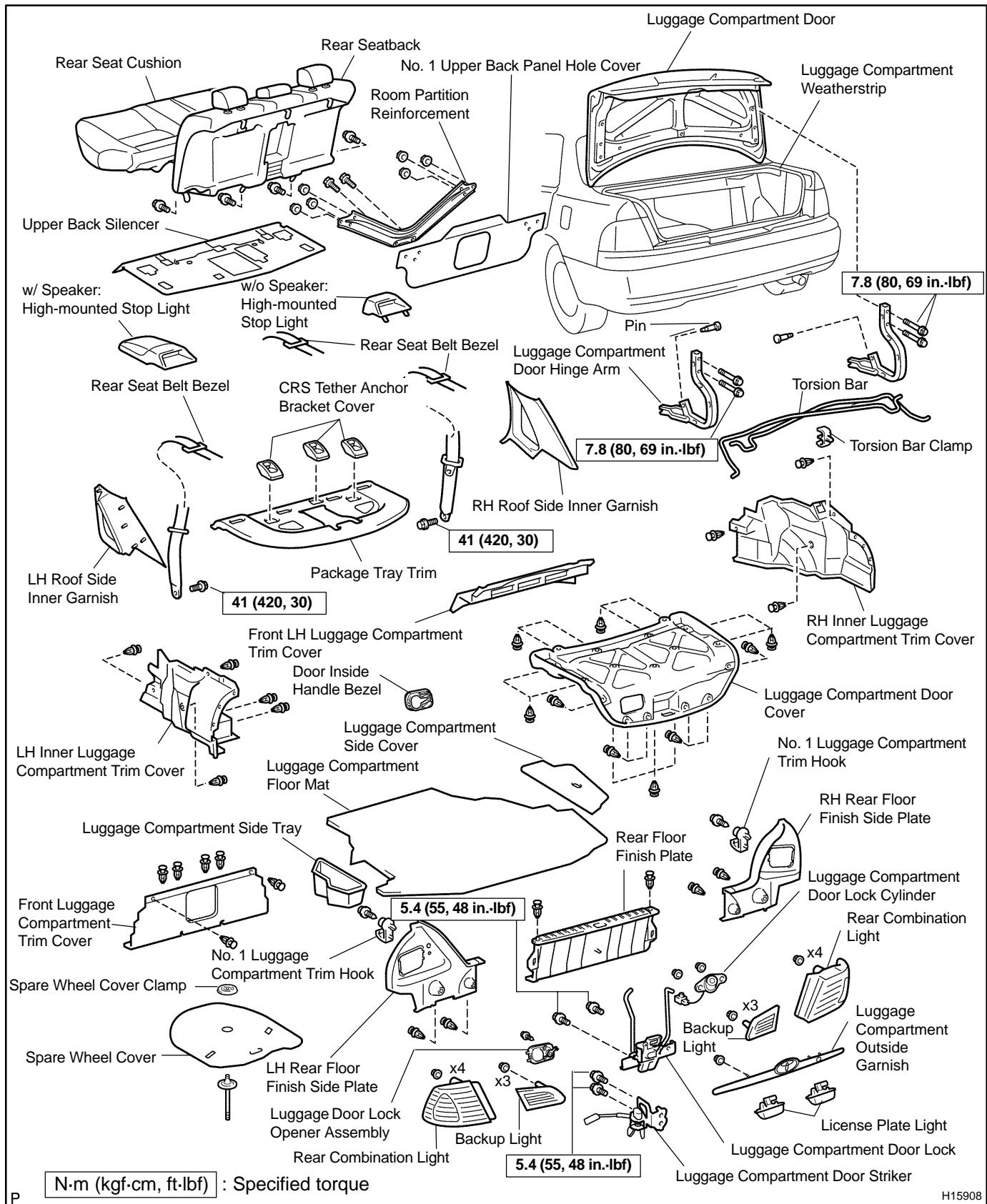
(c) Loosen the bolts to adjust.

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

LUGGAGE COMPARTMENT DOOR AND HINGE

COMPONENTS

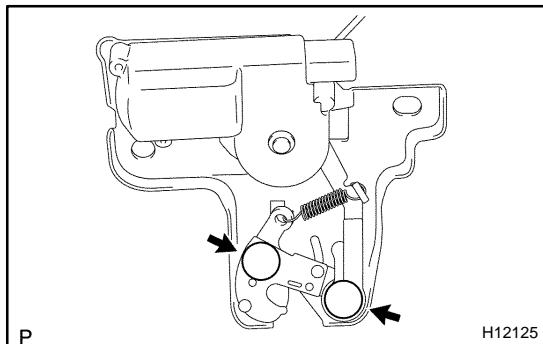
BO20W-02



H15908

DISASSEMBLY

1. **REMOVE LUGGAGE COMPARTMENT DOOR LOCK**
 - (a) Disconnect the control links from the luggage compartment door lock cylinder and door lock opener assembly.
 - (b) w/ Power door opener:
Disconnect the connector.
 - (c) Remove the 2 bolts and door lock.
Torque: 5.4 N·m (55 kgf·cm, 48 in.·lbf)
 - (d) Remove the door lock cover from the door lock.



HINT:

At the time of reassembly, please refer to the following item.
Apply MP grease to the sliding and rotating parts of the door lock.

2. **REMOVE LUGGAGE COMPARTMENT DOOR LOCK OPENER ASSEMBLY**

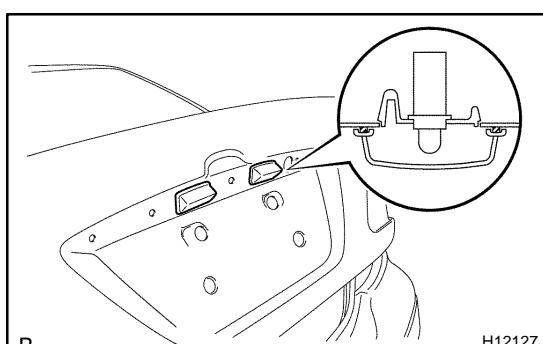
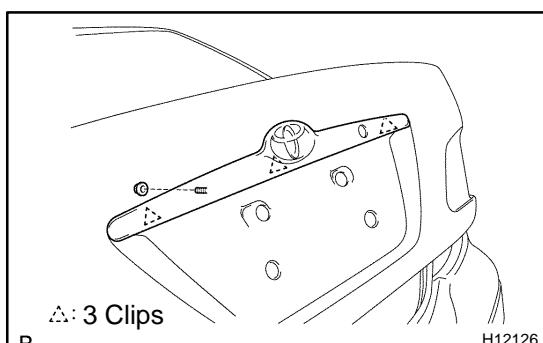
Remove the bolt and luggage compartment door lock opener assembly.

3. **REMOVE LUGGAGE COMPARTMENT DOOR LOCK CYLINDER**

4. **REMOVE LUGGAGE COMPARTMENT DOOR OUTSIDE GARNISH**

- (a) Remove the nut.
- (b) Remove the luggage compartment door outside garnish by compressing clips from the inside to disengage them.

5. **REMOVE BACKUP LIGHTS**



6. **REMOVE LICENSE PLATE LIGHTS**

- (a) Disconnect the connectors.
- (b) Using a screwdriver, remove the license plate lights.

HINT:

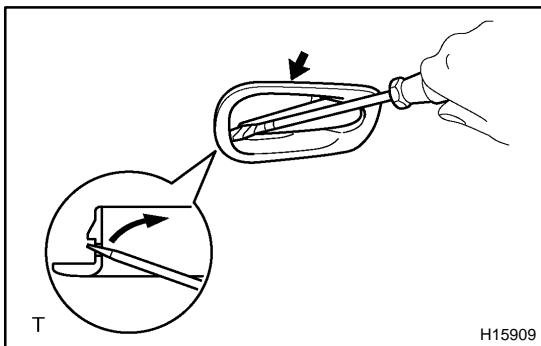
Tape the screwdriver tip before use.

INSTALLATION

Installation is in the reverse order of removal (See page [BO-31](#)).

REASSEMBLY

Reassembly is in the reverse order of disassembly (See page [BO-34](#)).



REMOVAL

1. REMOVE DOOR INSIDE HANDLE BEZEL

Using a screwdriver, remove the door inside handle bezel as shown in the illustration.

HINT:

Tape the screwdriver tip before use.

2. REMOVE LUGGAGE COMPARTMENT DOOR COVER

Using a clip remover, remove the 15 clips and luggage compartment door cover.

3. REMOVE LUGGAGE COMPARTMENT DOOR

- (a) Disconnect the connectors.
- (b) Disconnect the clamps of wire harness.
- (c) Remove the 4 bolts and luggage compartment door.

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

4. REMOVE REAR SEAT (See page BO-1 19)

5. REMOVE NO. 1 UPPER BACK PANEL HOLE COVER

6. REMOVE ROOM PARTITION REINFORCEMENT

- (a) Remove the 6 nuts.
- (b) Remove the 2 bolts and room partition reinforcement.

7. REMOVE FRONT LH LUGGAGE COMPARTMENT TRIM COVER

8. REMOVE FRONT UPPER LUGGAGE COMPARTMENT TRIM COVER

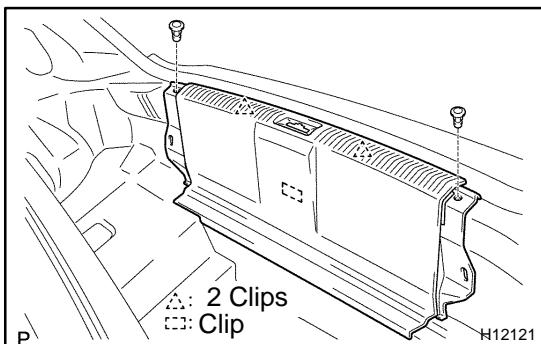
9. REMOVE LUGGAGE COMPARTMENT FLOOR MAT

10. REMOVE LH AND RH REAR FLOOR FINISH SIDE PLATES

- (a) Remove the 2 screws and No. 1 luggage compartment trim hooks.

- (b) Remove the 4 clips and rear floor finish side plates.

11. REMOVE LUGGAGE COMPARTMENT SIDE TRAY



12. REMOVE REAR FLOOR FINISH PLATE

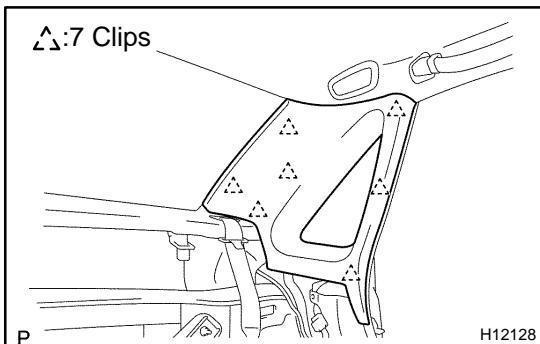
- (a) Using a clip remover, remove the 2 clips.
- (b) Remove the rear floor finish plate.

13. REMOVE LH AND RH INNER LUGGAGE COMPARTMENT TRIM COVERS

14. REMOVE FRONT LUGGAGE COMPARTMENT TRIM COVER

15. REMOVE SPARE WHEEL COVER AND CLAMP

16. REMOVE REAR COMBINATION LIGHTS

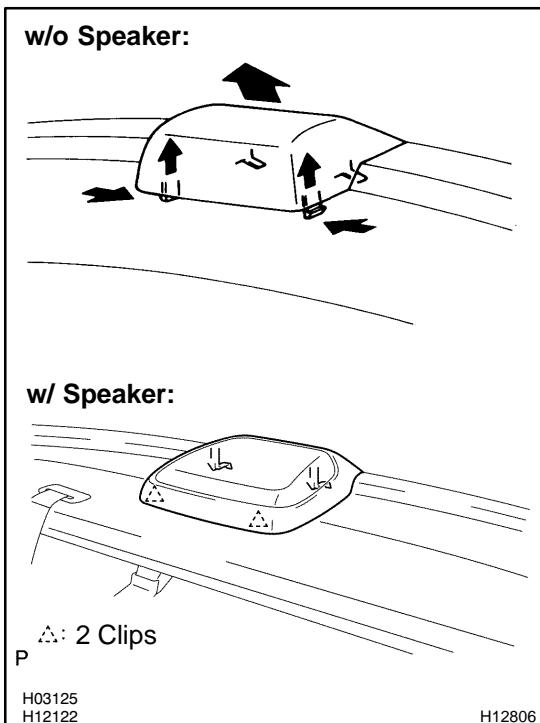


17. REMOVE ROOF SIDE INNER GARNISH

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

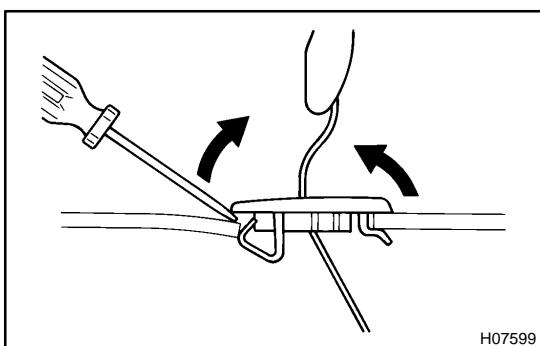
HINT:
Tape the screwdriver tip before use.

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



18. REMOVE HIGH-MOUNTED STOP LIGHT

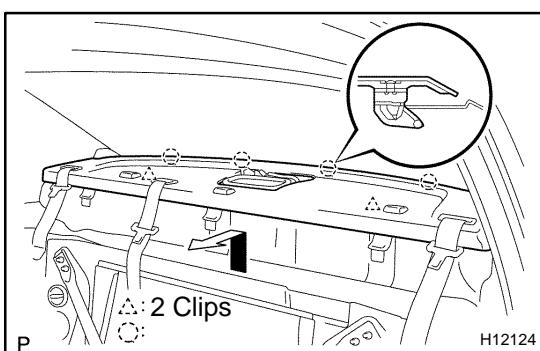
Remove the high-mounted stop light as shown in the illustration, then disconnect the connector.



19. REMOVE PACKAGE TRAY TRIM

- (a) Using a screwdriver, remove the 3 rear seat belt bezel.

HINT:
Tape the screwdriver tip before use.

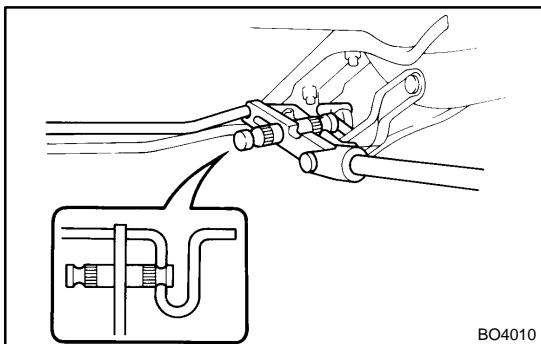


- (b) Remove the package tray trim as shown in the illustration.

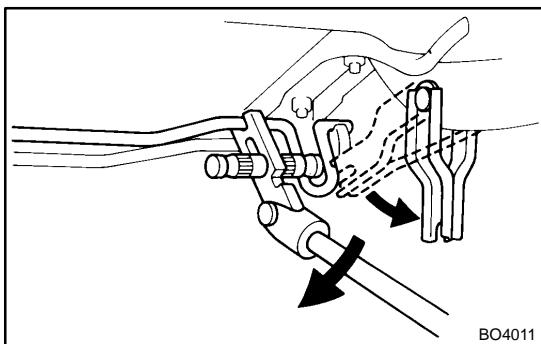
20. REMOVE UPPER BACK SILENCER

21. REMOVE TORSION BAR

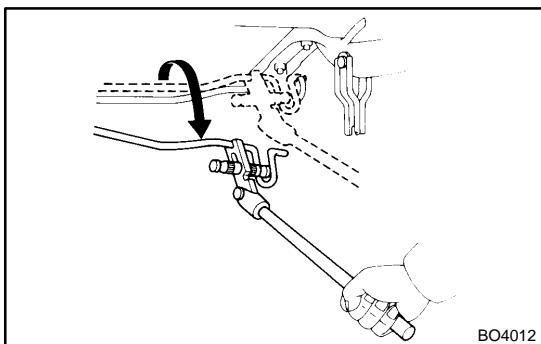
- (a) Disconnect the torsion bars from the torsion bar clamp, then remove the torsion bar clamp.



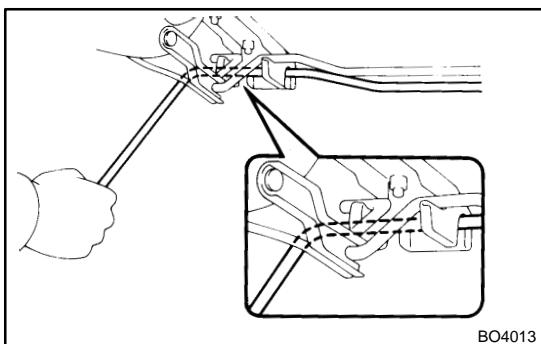
(b) Install SST to the torsion bar on the hinge side.
SST 09804-24010



(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.

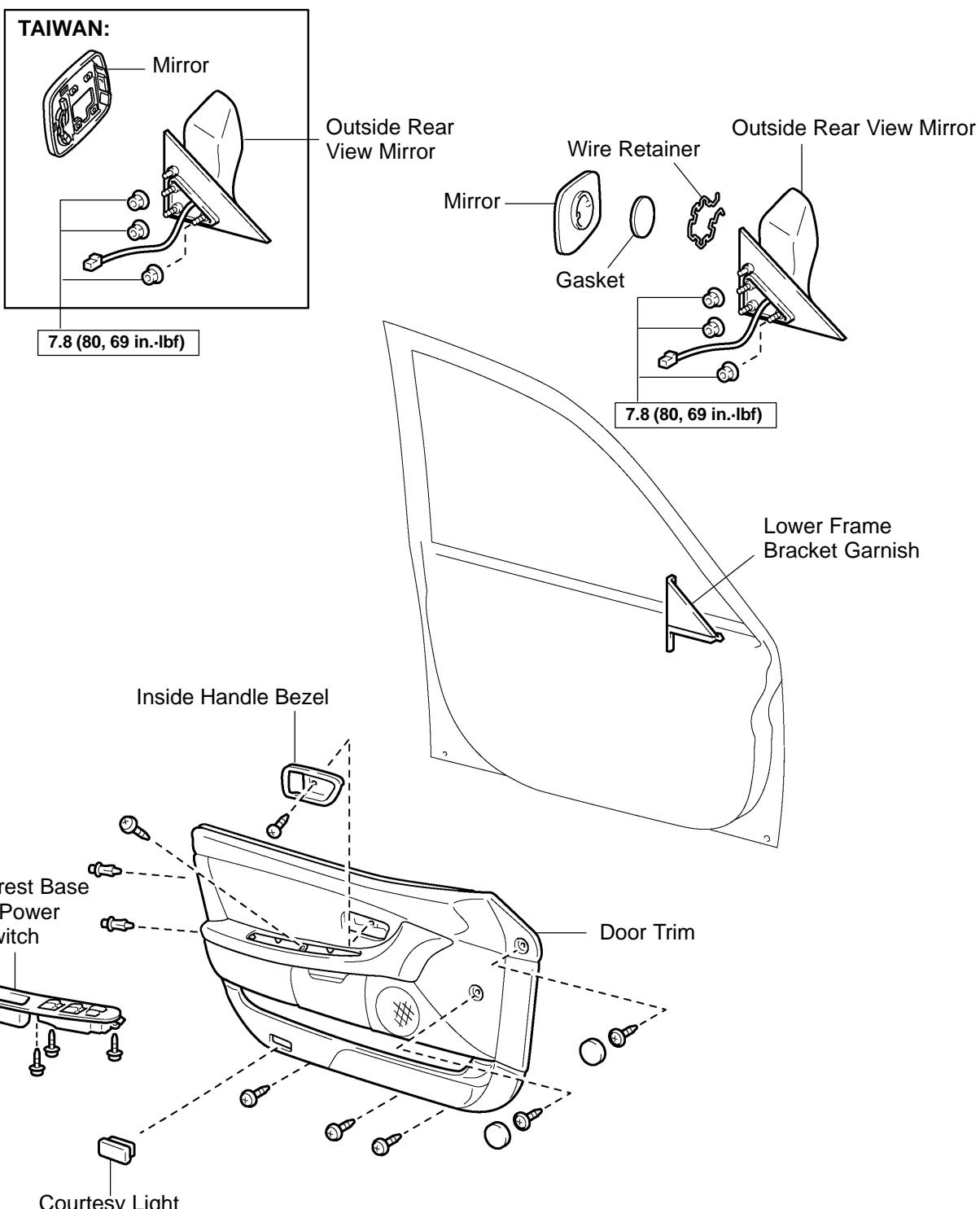
Side	Color
RH	Yellow
LH	None

22. REMOVE LUGGAGE COMPARTMENT DOOR HINGE ARMS AND PINS
23. REMOVE LUGGAGE COMPARTMENT DOOR WEATHERSTRIP

OUTSIDE REAR VIEW MIRROR

COMPONENTS

BO41E-01



T

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

H17368

INSTALLATION

Installation is in the reverse order of removal (See page [BO-26](#)).

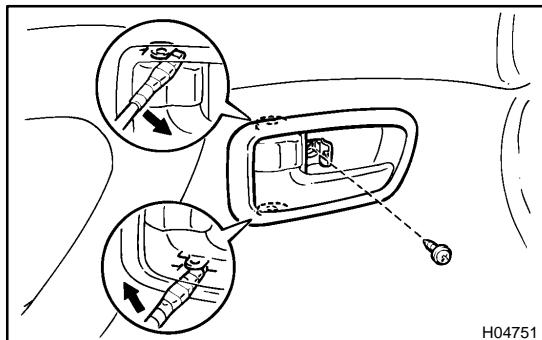
REMOVAL

1. REMOVE INSIDE HANDLE BEZEL

(a) Using a screwdriver, remove the cover.

HINT:

Tape the screwdriver tip before use.



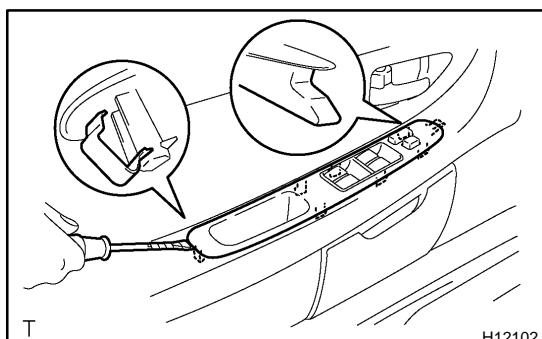
(b) Remove the screw.

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

HINT:

Tape the screwdriver tip before use.

2. REMOVE COURTESY LIGHT



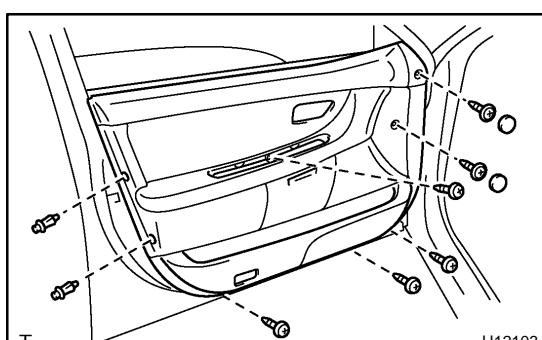
3. REMOVE UPPER ARMREST BASE PANEL WITH POWER WINDOW SWITCH

(a) Using a screwdriver, remove the upper armrest base panel with power window switch.

HINT:

Tape the screwdriver tip before use.

(b) Disconnect the connector.



4. REMOVE DOOR TRIM

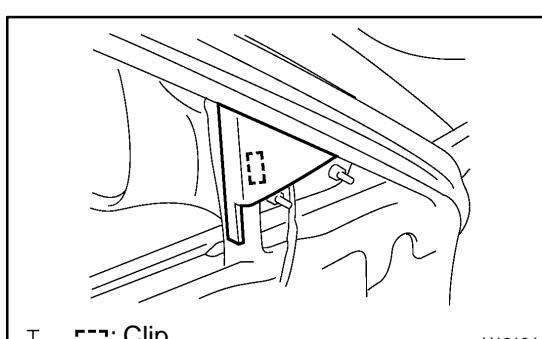
(a) Using a screwdriver, remove the 2 caps.

HINT:

Tape the screwdriver tip before use.

(b) Remove the 6 screws and clip.

(c) Pull the trim upward to remove it.



5. REMOVE LOWER FRAME BRACKET GARNISH

Using a screwdriver, remove the lower frame bracket as shown in the illustration.

HINT:

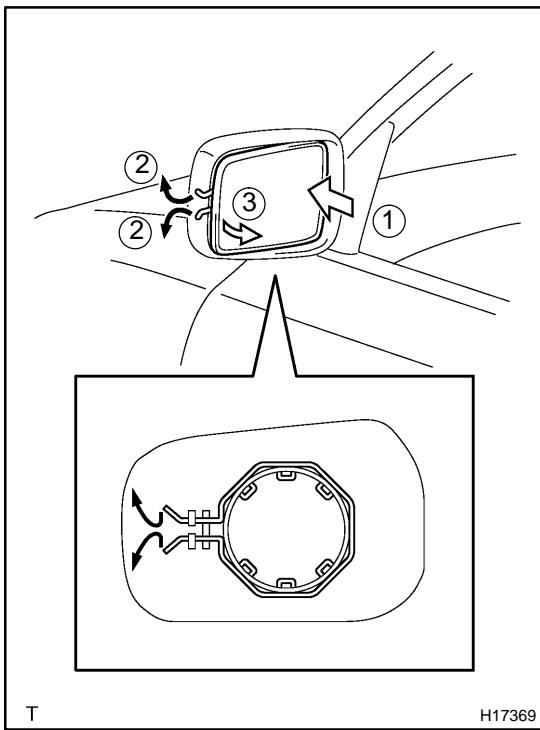
Tape the screwdriver tip before use.

6. REMOVE OUTSIDE REAR VIEW MIRROR

(a) Disconnect the connector.

(b) Remove the 3 nuts and outside rear view mirror.

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



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H17369

REPLACEMENT

1. Except TAIWAN:

IF NECESSARY, REMOVE MIRROR

- Press the inboard end of the mirror inward to access the back of the mirror.
- Reach fingers behind mirror and unlatch both ends of the wire retainer.
- Remove the mirror.
- w/ Heated mirrors:
Disconnect the heater wires.

NOTICE:

Be careful not to damage the wires on heated mirrors. Disconnect the wires from the back side of the heater.

2. Except TAIWAN:

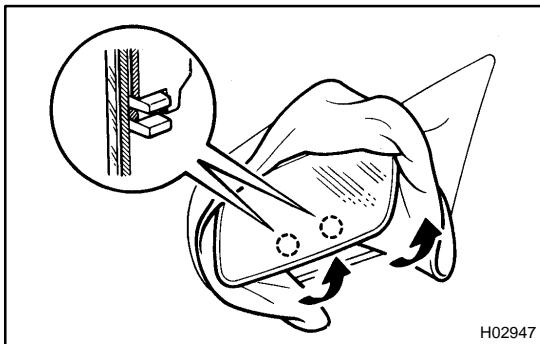
INSTALL MIRROR

- w/ Heated mirrors:
Connect the heater wires.
- Completely install the wire retainer to the mirror.
- Carefully align the 2 alignment tabs to the slots on the motor.
- Press the mirror firmly into place to engage all 6 lugs of the wire retainer.
- Press on glass with open palm and rock the mirror through its full range of motion to engage all 6 lugs only low forces will be required.

NOTICE:

Confirm that all 6 wire retainer lugs are completely engaged to the mirror housing by gently pulling on the mirror edges.

- Confirm mirror operation through full range of motion.

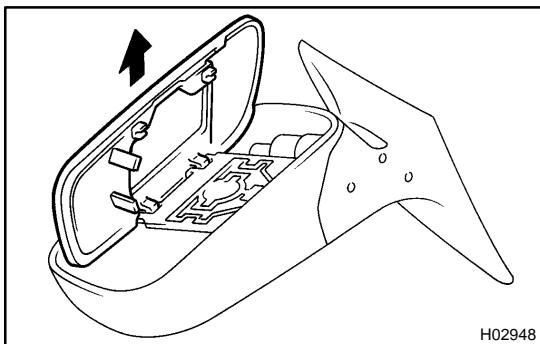


H02947

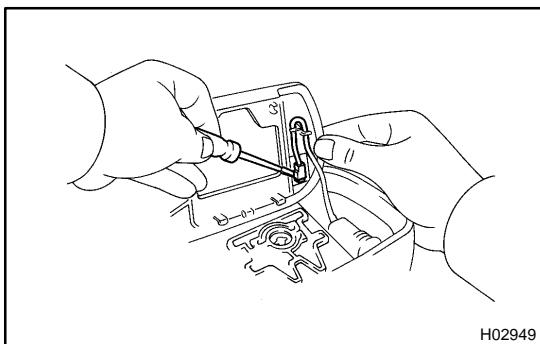
3. TAIWAN:

IF NECESSARY, REMOVE MIRROR

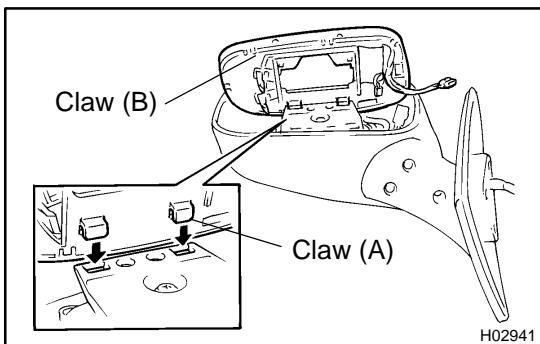
- Insert a shop rag between the mirror and the mirror body.
- Pull up the lower side of the shop rag to disconnect the mirror joint.



(c) Pull up the mirror and disconnect it.



(d) w/ Heated mirrors:
Disconnect the connector.



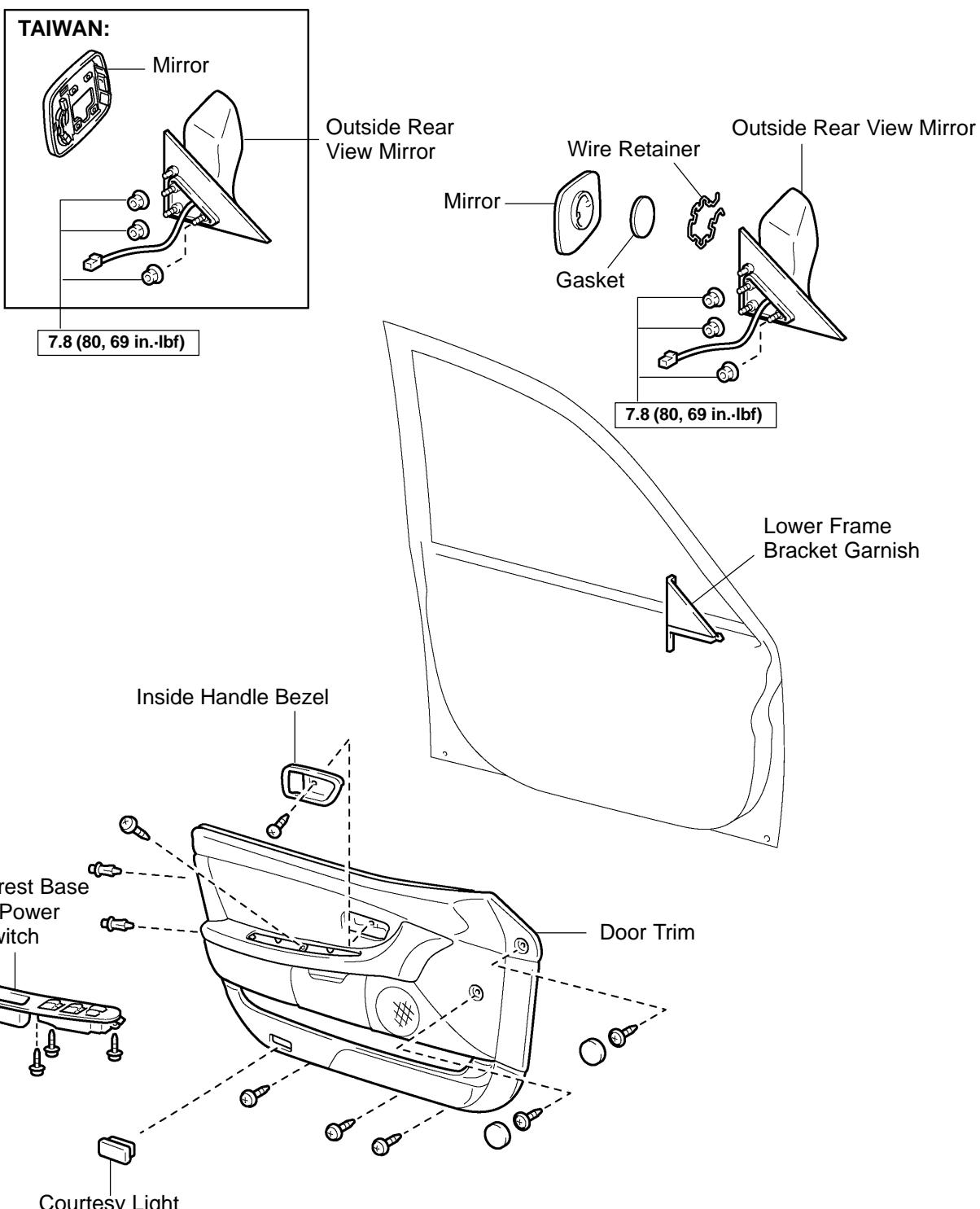
**4. TAIWAN:
INSTALL MIRROR**

(a) w/ Heated mirrors:
Connect the connector.
(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.

OUTSIDE REAR VIEW MIRROR

COMPONENTS

BO41E-01



T

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

H17368

INSTALLATION

Installation is in the reverse order of removal (See page [BO-26](#)).

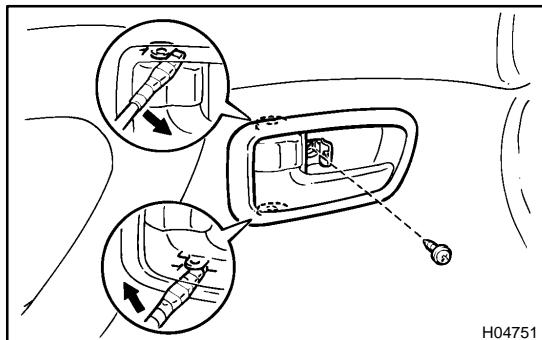
REMOVAL

1. REMOVE INSIDE HANDLE BEZEL

(a) Using a screwdriver, remove the cover.

HINT:

Tape the screwdriver tip before use.



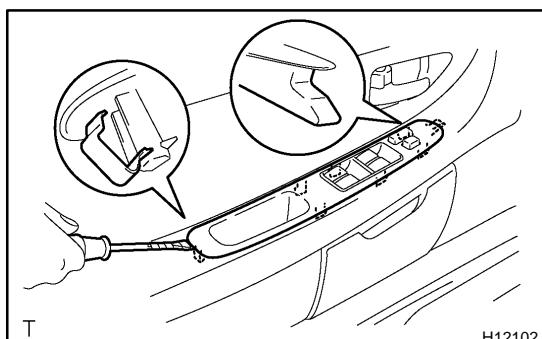
(b) Remove the screw.

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

HINT:

Tape the screwdriver tip before use.

2. REMOVE COURTESY LIGHT



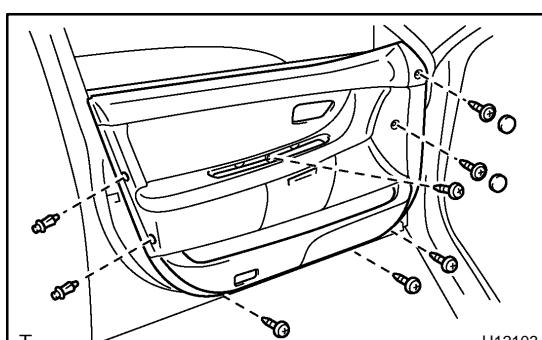
3. REMOVE UPPER ARMREST BASE PANEL WITH POWER WINDOW SWITCH

(a) Using a screwdriver, remove the upper armrest base panel with power window switch.

HINT:

Tape the screwdriver tip before use.

(b) Disconnect the connector.



4. REMOVE DOOR TRIM

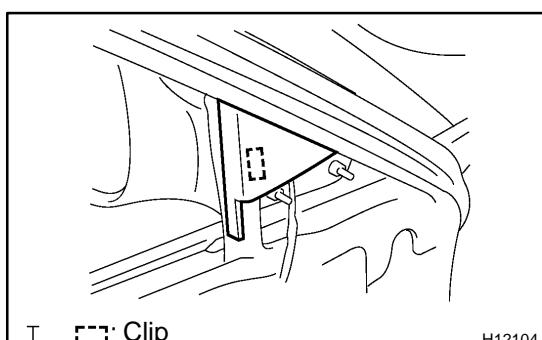
(a) Using a screwdriver, remove the 2 caps.

HINT:

Tape the screwdriver tip before use.

(b) Remove the 6 screws and clip.

(c) Pull the trim upward to remove it.



5. REMOVE LOWER FRAME BRACKET GARNISH

Using a screwdriver, remove the lower frame bracket as shown in the illustration.

HINT:

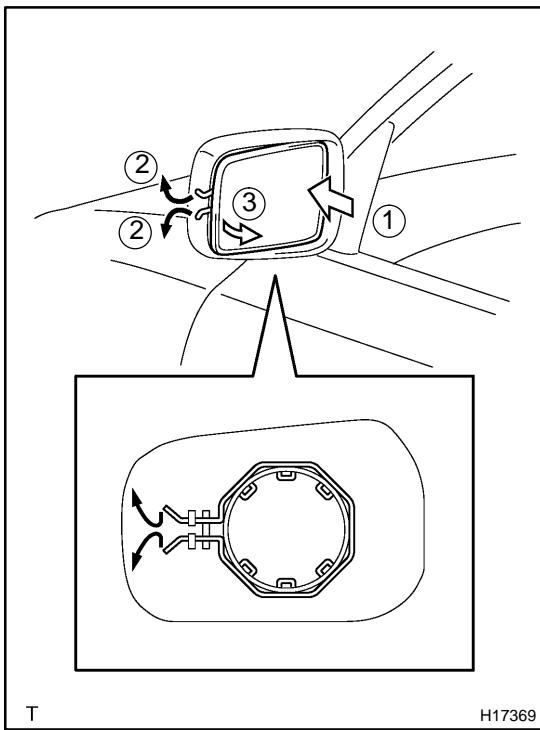
Tape the screwdriver tip before use.

6. REMOVE OUTSIDE REAR VIEW MIRROR

(a) Disconnect the connector.

(b) Remove the 3 nuts and outside rear view mirror.

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



T

H17369

REPLACEMENT

1. Except TAIWAN:

IF NECESSARY, REMOVE MIRROR

- Press the inboard end of the mirror inward to access the back of the mirror.
- Reach fingers behind mirror and unlatch both ends of the wire retainer.
- Remove the mirror.
- w/ Heated mirrors:
Disconnect the heater wires.

NOTICE:

Be careful not to damage the wires on heated mirrors. Disconnect the wires from the back side of the heater.

2. Except TAIWAN:

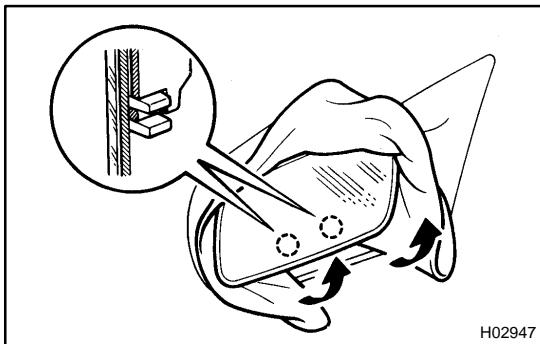
INSTALL MIRROR

- w/ Heated mirrors:
Connect the heater wires.
- Completely install the wire retainer to the mirror.
- Carefully align the 2 alignment tabs to the slots on the motor.
- Press the mirror firmly into place to engage all 6 lugs of the wire retainer.
- Press on glass with open palm and rock the mirror through its full range of motion to engage all 6 lugs only low forces will be required.

NOTICE:

Confirm that all 6 wire retainer lugs are completely engaged to the mirror housing by gently pulling on the mirror edges.

- Confirm mirror operation through full range of motion.

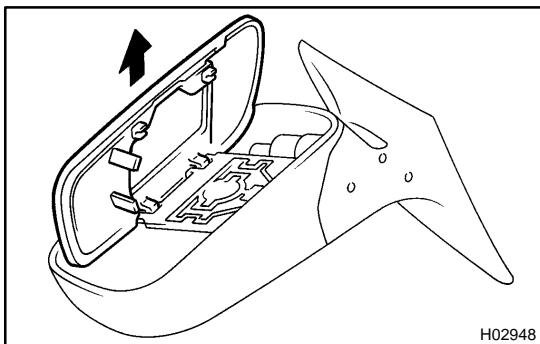


H02947

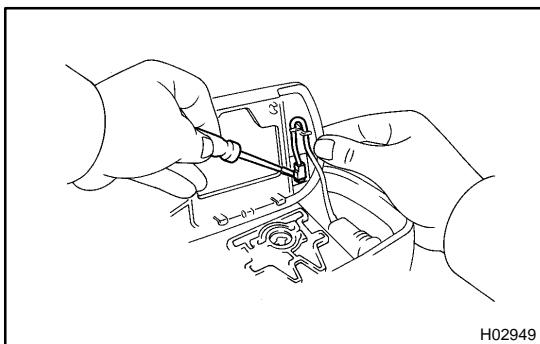
3. TAIWAN:

IF NECESSARY, REMOVE MIRROR

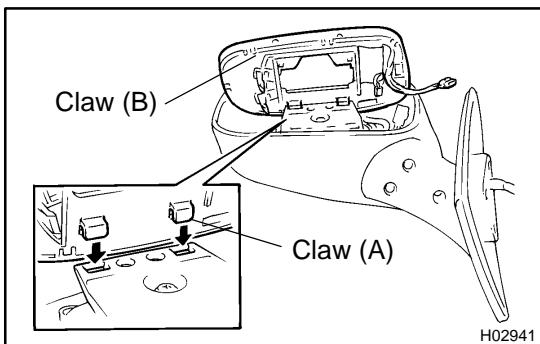
- Insert a shop rag between the mirror and the mirror body.
- Pull up the lower side of the shop rag to disconnect the mirror joint.



(c) Pull up the mirror and disconnect it.



(d) w/ Heated mirrors:
Disconnect the connector.



**4. TAIWAN:
INSTALL MIRROR**

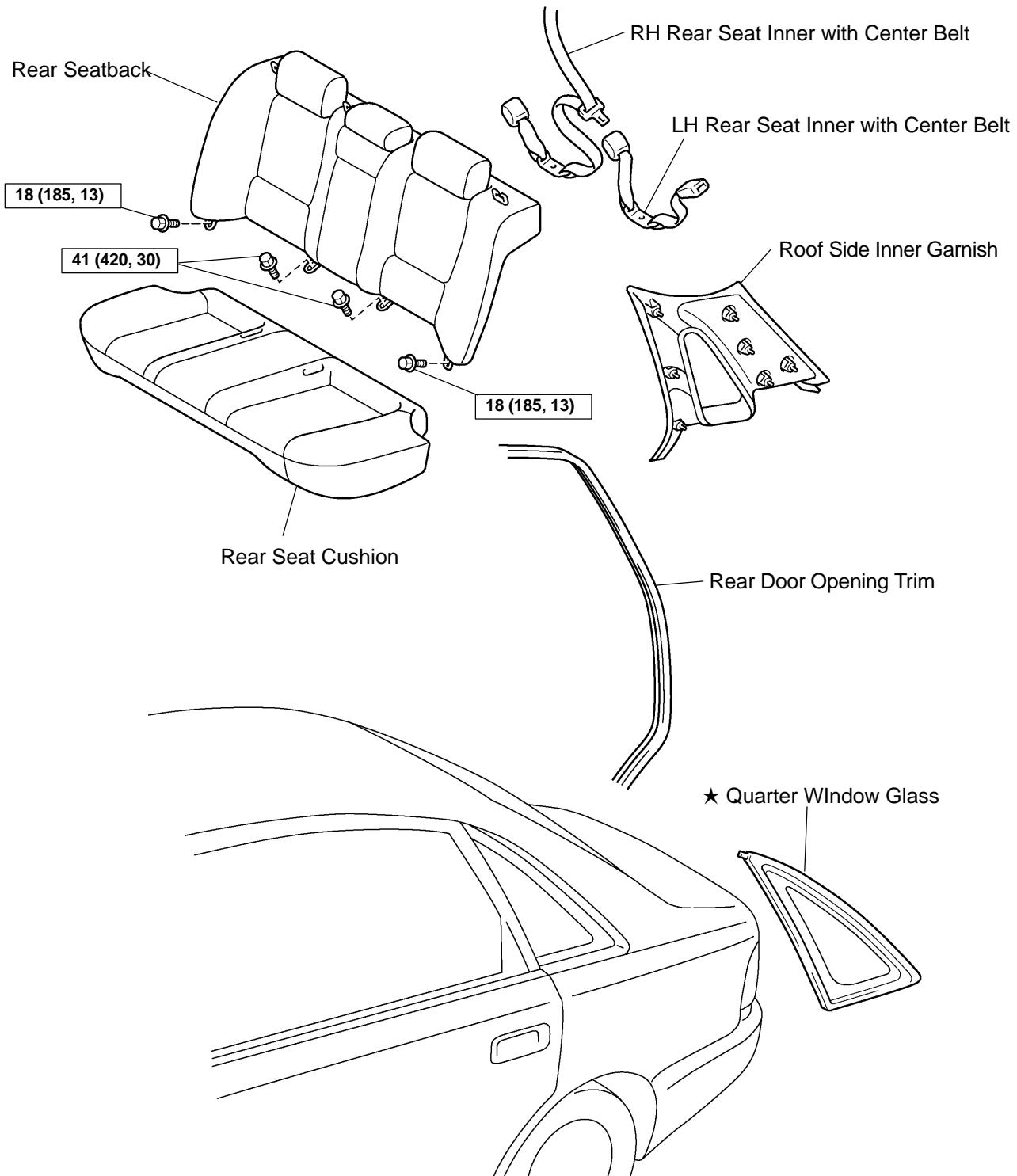
(a) w/ Heated mirrors:
Connect the connector.

(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.

QUARTER WINDOW GLASS COMPONENTS

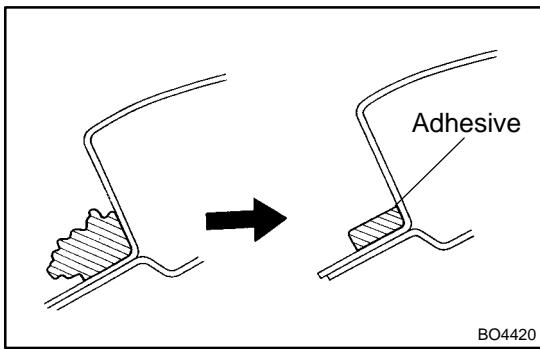
BO2PH-01



T

★ Non-reusable part

H12701



INSTALLATION

1. CLEAN AND SHAPE CONTACT SURFACE OF BODY

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

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

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

HINT:

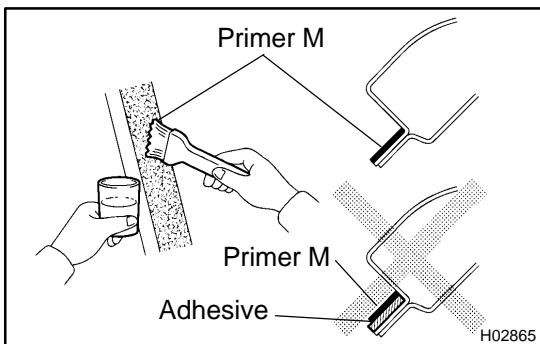
Even if all the adhesive has been removed, clean the body.

2. CLEAN REMOVED GLASS

(a) Using a scraper, remove the adhesive sticking to the glass.
(b) Clean the glass with cleaner.

NOTICE:

Do not touch the glass after cleaning it.

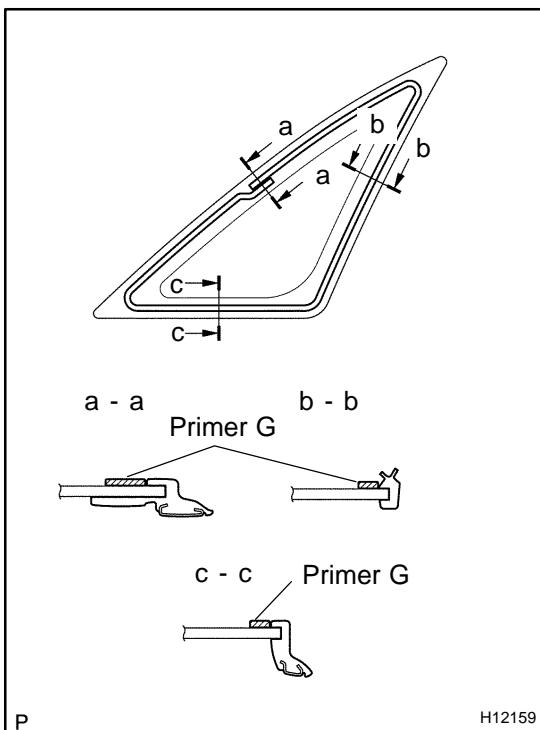


3. COAT CONTACT SURFACE OF BODY WITH PRIMER "M"

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

NOTICE:

- ★ Allow 3 minutes or more to dry the primer coated surface.
- ★ Do not coat Primer M to the adhesive.
- ★ Do not keep any of the opened Primer M for later use.

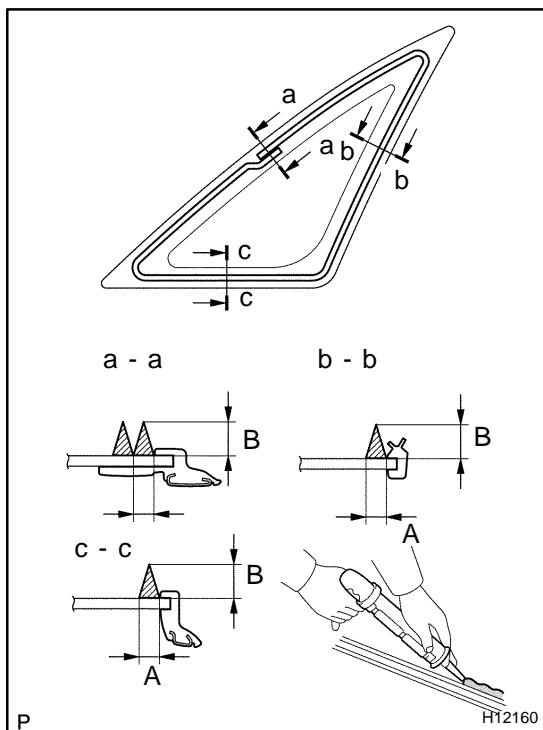


4. COAT CONTACT SURFACE OF GLASS WITH PRIMER "G"

(a) Using a brush or sponge, coat the edge of the glass and contact surface with Primer G.
(b) When the primer is applied by mistake to the area other than the specified, wipe it off with a clean shop rag before the primer dries.

NOTICE:

- ★ Allow 3 minutes or more to dry the primer coated surface.
- ★ Do not keep any of the opened Primer G for later use.



P

H12160

5. APPLY ADHESIVE

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

HINT:

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

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

(b) Load the cartridge into the sealer gun.
(c) Coat the glass with adhesive as shown in the illustration.
A: 8.0 mm (0.315 in.)
B: 13.5 mm (0.531 in.)

6. INSTALL QUARTER WINDOW GLASS

(a) Install the glass to the body.
(b) Hold the 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

7. INSPECT FOR LEAKS AND REPAIR

NOTICE:

Conduct a leak test after hardening time has elapsed.

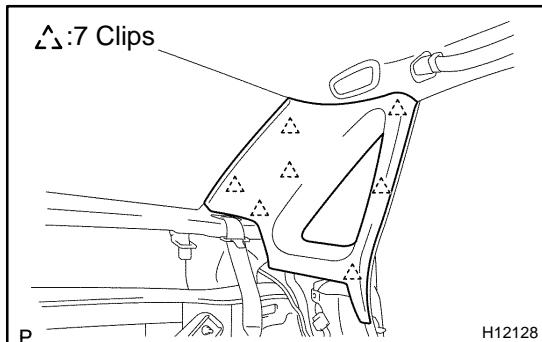
8. INSTALL ROOF SIDE INNER GARNISH

9. INSTALL REAR DOOR OPENING TRIM

10. INSTALL REAR SEAT (See page [BO-123](#))

REMOVAL

1. REMOVE REAR SEAT (See page BO-120)
2. REMOVE REAR DOOR OPENING TRIM

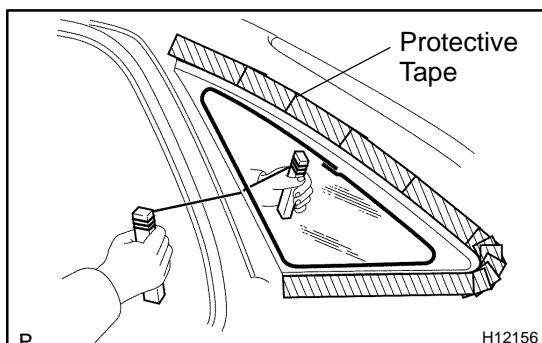


3. REMOVE ROOF SIDE INNER GARNISH

Using a screwdriver, remove the roof side inner garnish.

HINT:

Tape the screwdriver tip before use.



4. REMOVE QUARTER WINDOW GLASS

- (a) Insert a piano wire between body and glass and let it pass through.

- (b) Tie both wire ends to wooden blocks or similar objects.

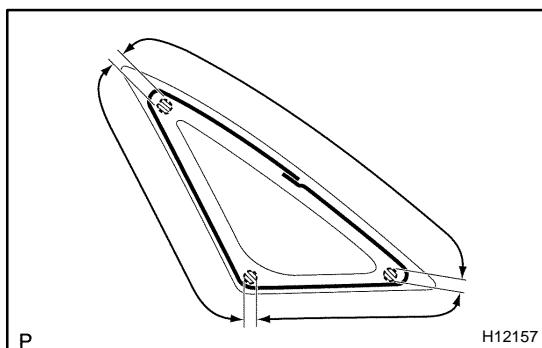
HINT:

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

NOTICE:

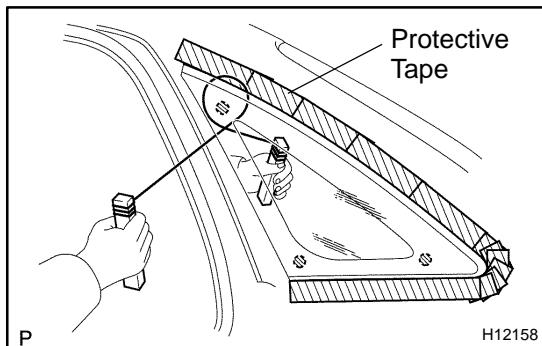
When separating the glass, take care not to damage the paint and exterior.

- (c) 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 clips are.



(d) Let the piano wire pass as shown in the illustration, cut off the left adhesive around the clips.

NOTICE:

- ★ **Do not damage the glass retainer.**
- ★ **When separating the glass, take care not to damage the paint and interior and exterior ornaments.**

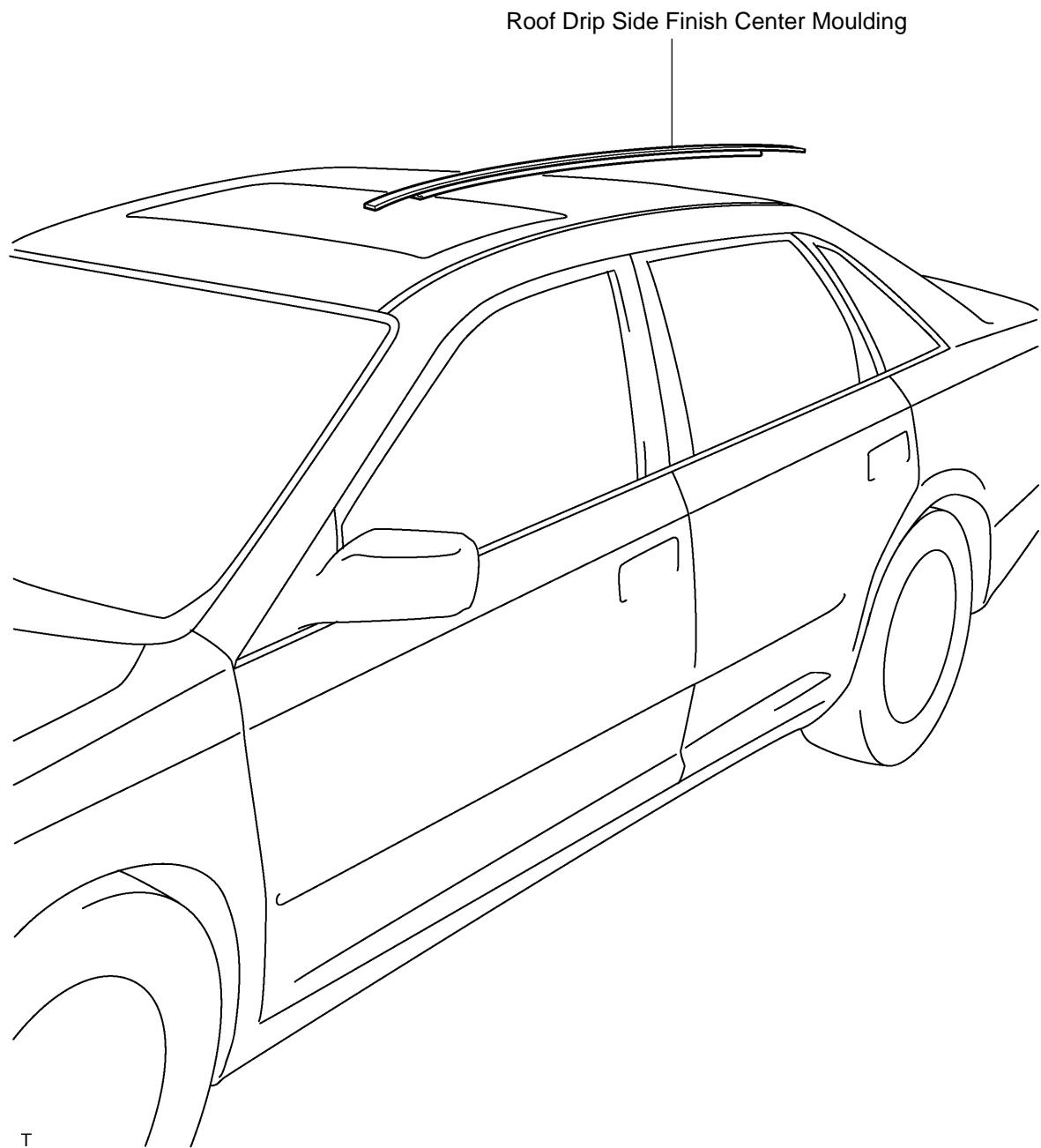
(e) Remove the glass.

NOTICE:

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

ROOF DRIP SIDE FINISH CENTER MOULDING COMPONENTS

BO2PA-01



H12140

INSTALLATION

1. CLEAN CONTACT 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:

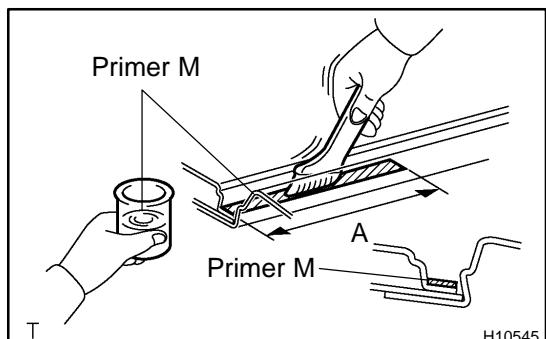
Do not heat the moulding excessively.

(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 CONTACT 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 and rear end:

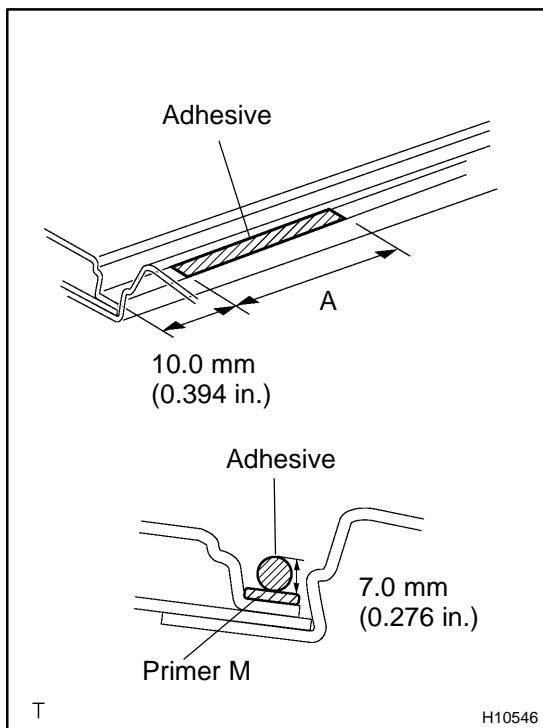
A: 60 mm (2.36 in.)

NOTICE:

★ Allow 3 minutes or more to dry the primer coated surface.

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

Front end:

A: 35 mm (1.38 in.)

Rear end:

A: 35 mm (1.38 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 a 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 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

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).

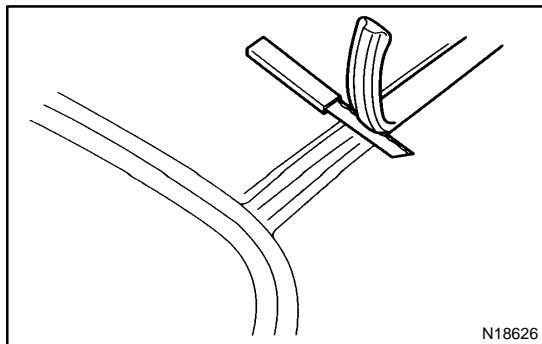
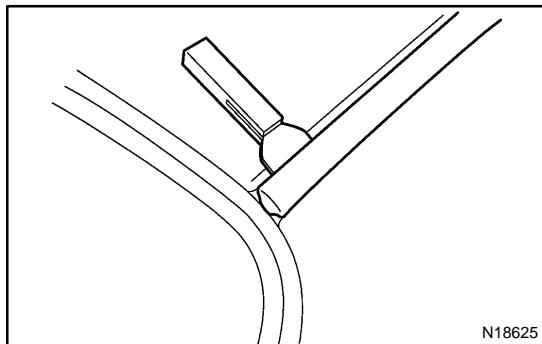
NOTICE:

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.

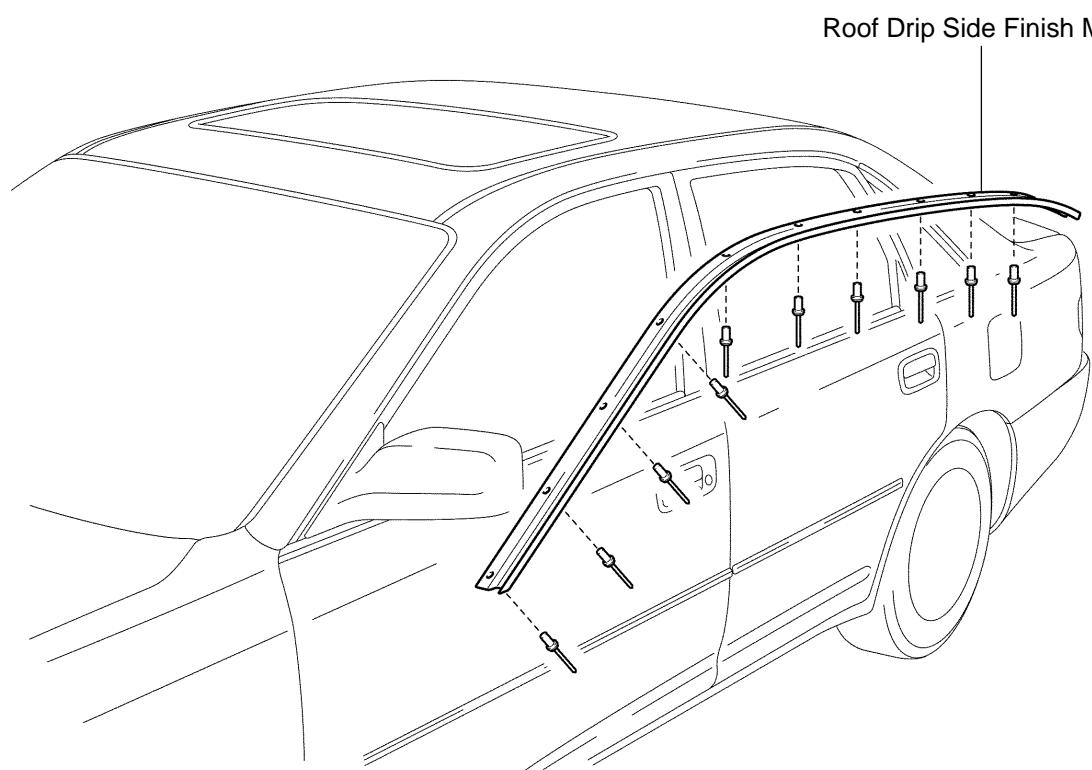
NOTICE:

Do not damage the body with the knife.

3. REMOVE ROOF DRIP SIDE FINISH MOULDING CLIP

ROOF DRIP SIDE FINISH MOULDING COMPONENTS

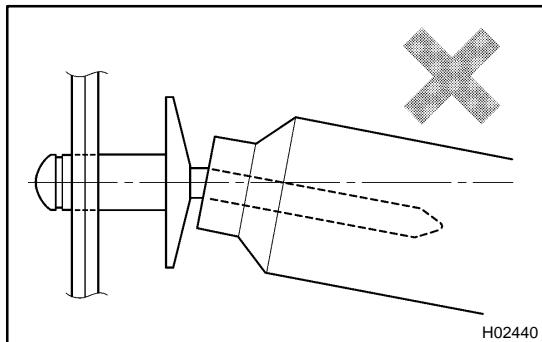
BO2P7-01



INSTALLATION

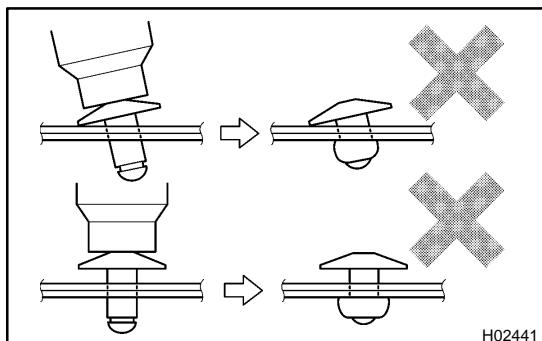
INSTALL ROOF DRIP SIDE FINISH MOULDING

Using a air riveter with nose piece No. 1 or hand riveter with nose piece No. 1, install the 10 rivets to the roof drip side finish moulding.

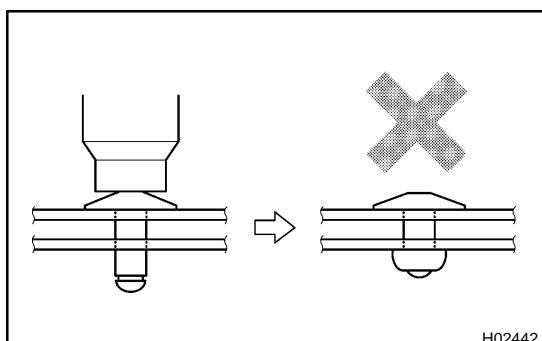


NOTICE:

- ★ 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.

REMOVAL

REMOVE ROOF DRIP SIDE FINISH MOULDING

(a) Using a drill of less than 3.0 mm (0.118 in.), drill out the 10 rivet heads.

HINT:

Gently and vertically put the drill to the rivet, and cut the rivet flanges.

CAUTION:

Take care as the cut rivet is hot.

NOTICE:

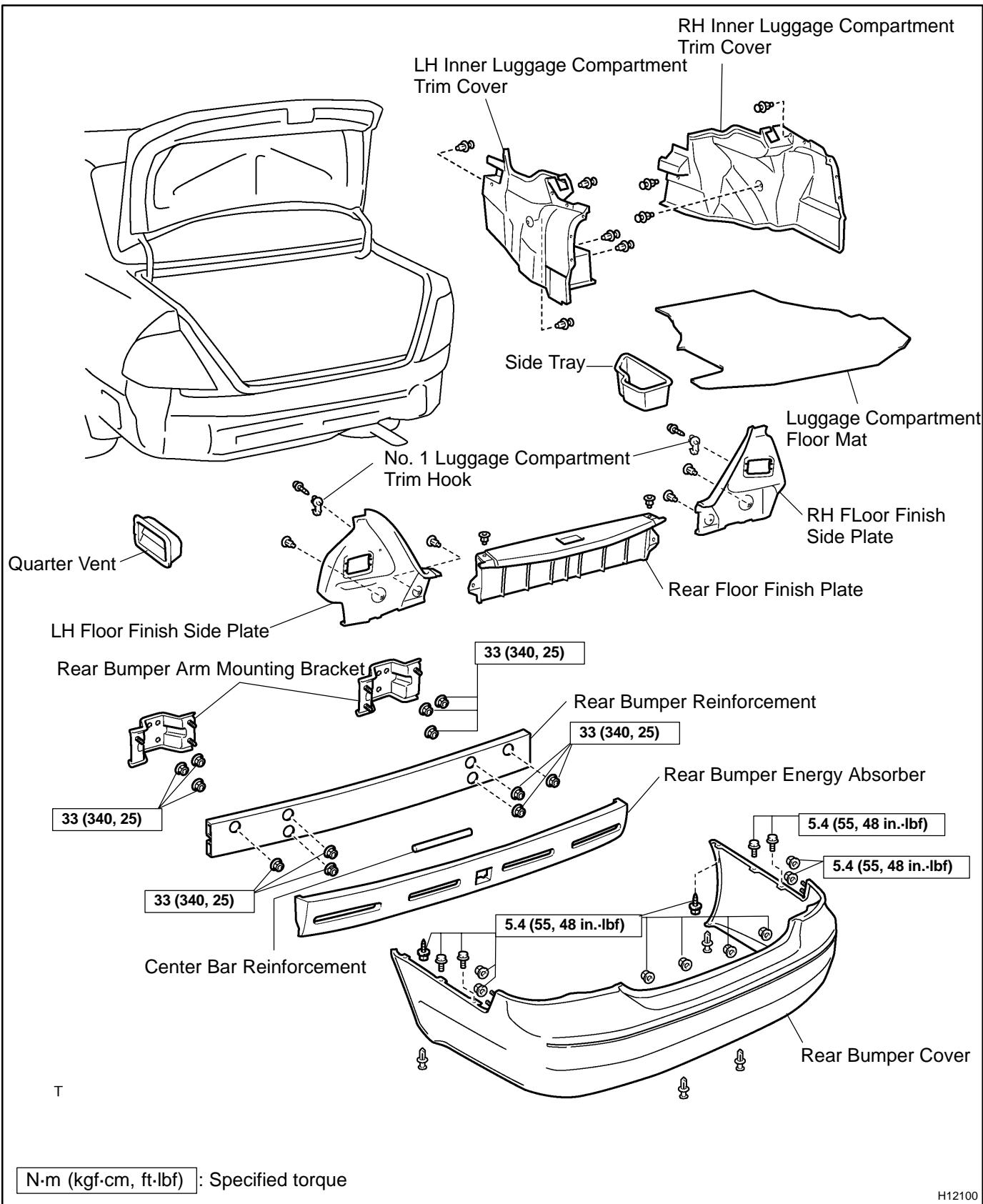
Prizing the hole with a drill can lead to damage to the rivet hole or breaking the drill.

(b) Remove the roof drip side finish moulding.

REAR BUMPER

COMPONENTS

BO0XK-03



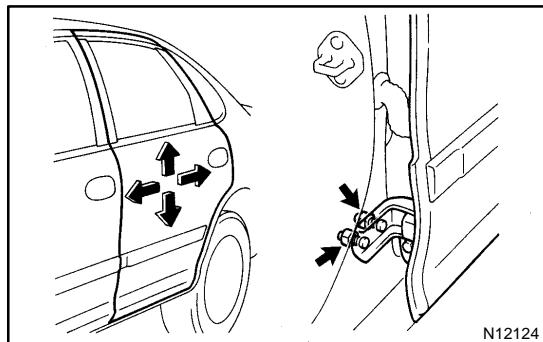
N·m (kgf·cm, ft·lbf) : Specified torque

H12100

ADJUSTMENT

1. ADJUST DOOR IN FORWARD/REARWARD AND VERTICAL DIRECTIONS

- (a) Remove the front door scuff plate.
- (b) Remove the center pillar lower garnish.
- (c) Remove the front seat belt floor anchor.
- (d) Remove the front seat belt retractor.
(See page [BO-128](#))
- (e) Remove the side airbag sensor assembly.
(See page [RS-78](#))



- (f) Loosen the body side hinge nuts to adjust.

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

- (g) Reinstall the side airbag sensor assembly.
(See page [RS-81](#))

Torque:

- (h) Reinstall the front seat belt retractor.
(See page [BO-137](#))

Torque:

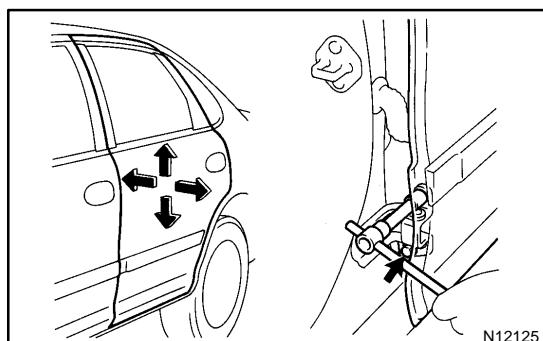
Upper bolt: 7.5 N·m (76 kgf·cm, 66 in.-lbf)

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

- (i) Reinstall the front seat belt floor anchor.

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

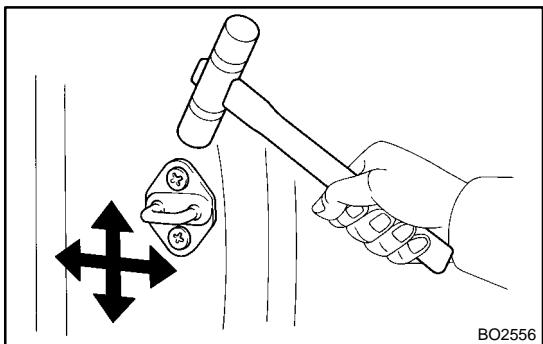
- (j) Reinstall the center pillar lower garnish and front door scuff plate.



2. ADJUST DOOR IN LEFT/RIGHT AND VERTICAL DIRECTIONS

Loosen the door side hinge bolts to adjust.

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

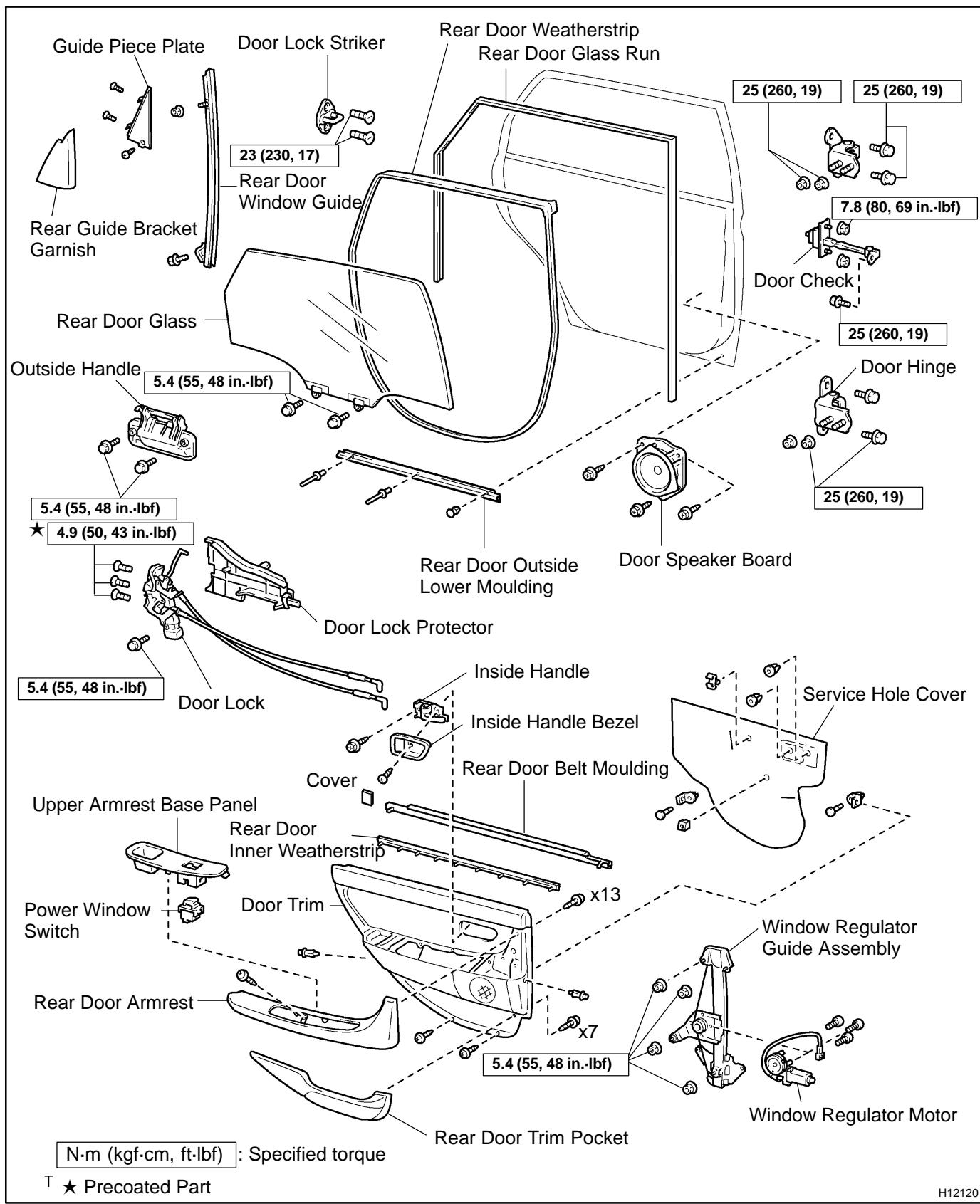


3. ADJUST DOOR LOCK STRIKER

- (a) Check that the door fit and door lock linkages are adjusted correctly.
- (b) Loosen the striker mounting screws to adjust.
Torque: 23 N·m (230 kgf·cm, 17 ft-lbf)
- (c) Using a plastic hammer, tap the striker to adjust it.

REAR DOOR COMPONENTS

BO20S-01



H12120

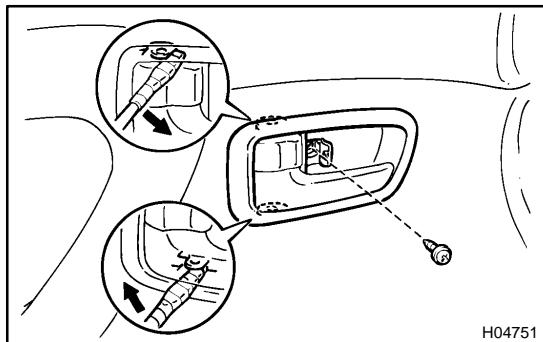
DISASSEMBLY

1. REMOVE INSIDE HANDLE BEZEL

(a) Using a screwdriver, remove the cover.

HINT:

Tape the screwdriver tip before use.

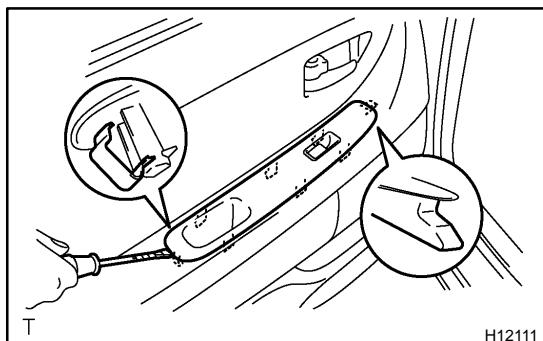


(b) Remove the screw.

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

HINT:

Tape the screwdriver tip before use.



2. REMOVE UPPER ARMREST BASE PANEL WITH POWER WINDOW SWITCH

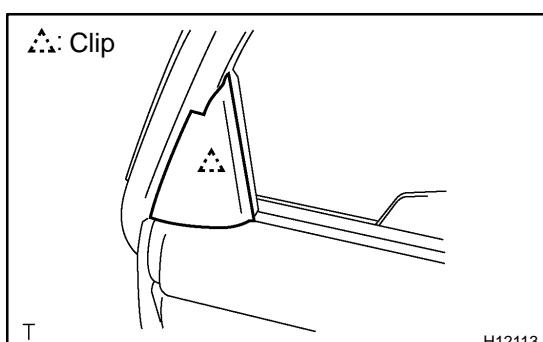
(a) Using a screwdriver, remove the upper armrest base panel with power window switch.

HINT:

Tape the screwdriver tip before use.

(b) Disconnect the connector.

(c) Remove the power window switch from the upper armrest base panel.

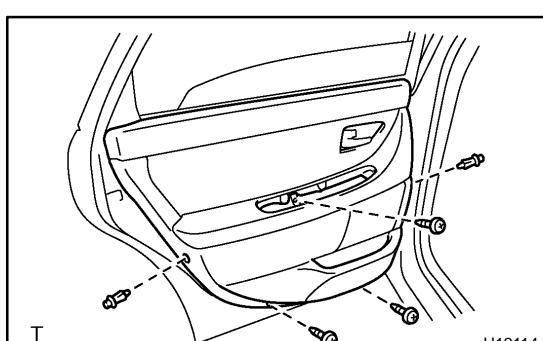


3. REMOVE REAR GUIDE BRACKET GARNISH

Using a screwdriver, remove the rear guide bracket garnish.

HINT:

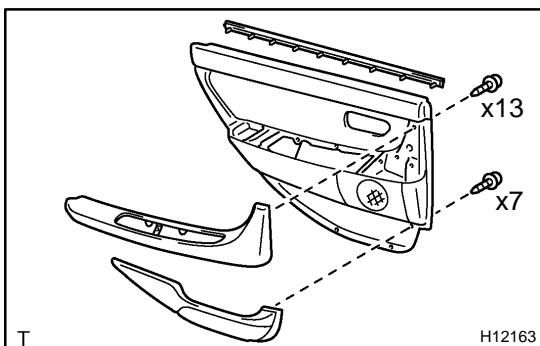
Tape the screwdriver tip before use.



4. REMOVE DOOR TRIM

(a) Remove the 3 screws and 2 clips.

(b) Pull the trim upward to remove it.

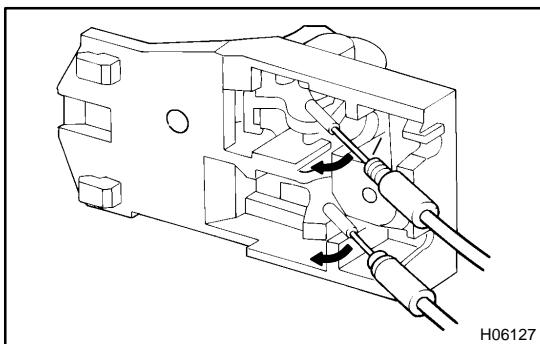


- (c) Using a screwdriver, remove the rear door inner weatherstrip.
- (d) Remove the 13 screws and rear door armrest.

- (e) Remove the 7 screws and rear door trim pocket.

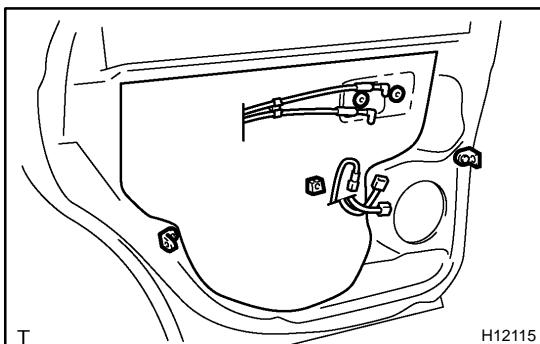
5. REMOVE INSIDE HANDLE

- (a) Remove the screw.
- (b) Slide the inside handle backward to remove it.



- (c) Disconnect the 2 cables from the inside handle as shown in the illustration.

6. REMOVE DOOR SPEAKER BOARD



7. REMOVE SERVICE HOLE COVER

- (a) Disconnect the 2 control cables from the link clamp.
- (b) Using a clip remover, remove the grommets and link clamp.
- (c) Remove the service hole cover.

NOTICE:

Do not tear the cover.

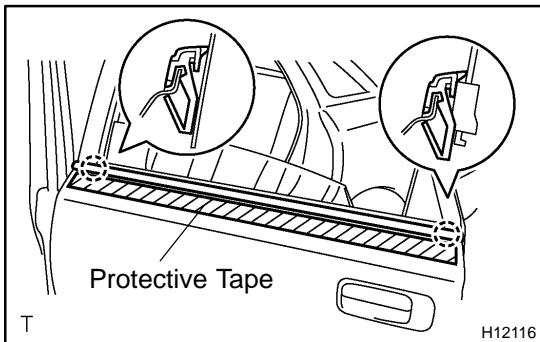
HINT:

At the time of reassembly, please refer to the following item. Bring out the 2 control cables and wire harness through the service hole cover.

8. REMOVE REAR DOOR WEATHERSTRIP

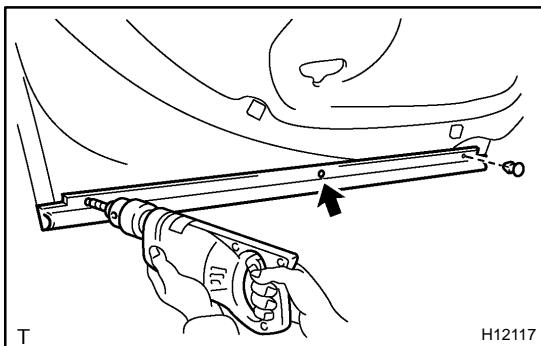
- (a) Remove the screw from the door check.
- (b) Using a clip remover, remove the rear door weatherstrip.
- (c) Reinstall the screw to the door check.

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



9. REMOVE REAR DOOR BELT MOULDING

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



10. REMOVE REAR DOOR OUTSIDE LOWER MOULDING

- Using a drill of less than $\varnothing 3.2$ mm (0.126 in.), drill out the 2 rivet heads.

HINT:

Gently and vertically put the drill to the rivet, and cut the rivet flanges.

CAUTION:

Take care as the cut rivet is hot.

NOTICE:

Prizing the hole with a drill can lead to damage to the rivet hole or breaking the drill.

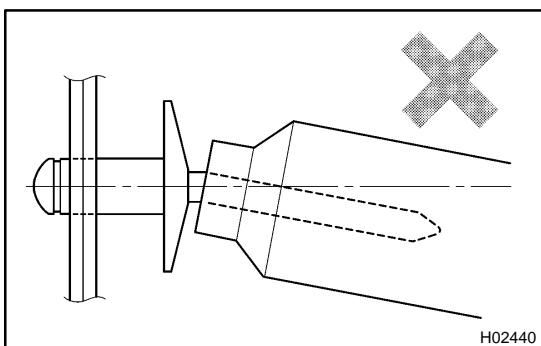
- Using a clip remover, remove the clip.
- Remove the rear door outside lower moulding.
- Using a vacuum cleaner, remove the drilled rivets and their dust from the inside of door panel.

HINT:

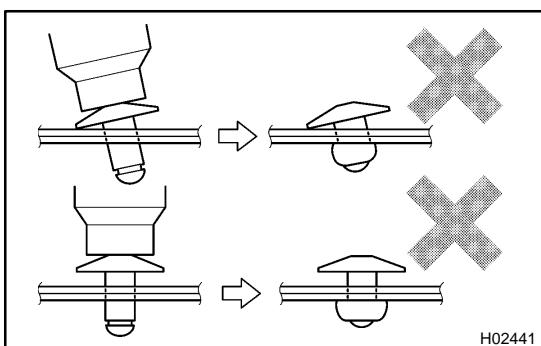
At the time of reassembly, please refer to the following item. Using an air riveter with nose piece No. 1 or hand riveter with nose piece No. 1, install the 3 rivets to the front door outside lower moulding.

NOTICE:

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

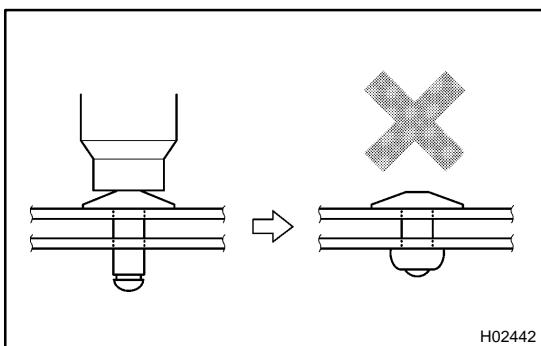


- ★ Install the rivet while attaching materials, as they are not tightened firmly.

11. REMOVE DOOR GLASS RUN

12. REMOVE REAR DOOR WINDOW GUIDE WITH GUIDE PIECE PLATE

- Remove the bolt, nut, 3 screws and rear door window guide with guide piece plate.
- Remove the guide piece plate from the rear door window guide.



13. REMOVE REAR DOOR GLASS

- Open the door glass until the bolts appear in the service hole.
- Remove the 2 bolts.

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

NOTICE:

Be careful not to drop the door glass.

- Pull the door glass upward to remove it.

14. REMOVE WINDOW REGULATOR ASSEMBLY

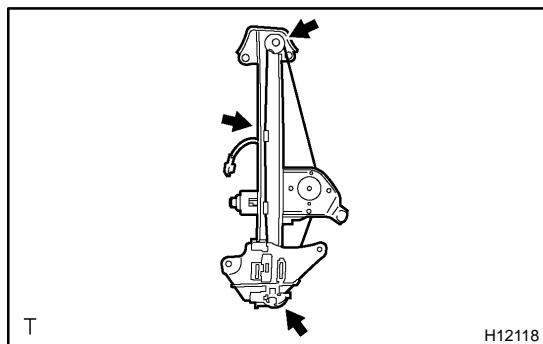
- Disconnect the connector, then remove the 4 nuts and window regulator assembly.

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

HINT:

Remove the window regulator assembly through the service hole.

- Using a torx driver, remove the 3 torx screws and window regulator motor from the window regulator guide assembly.



HINT:

- ★ At the time of reassembly, please refer to the following items.
- ★ Apply MP grease to the glass guide and rollers of window regulator assembly.
- ★ After installing the window regulator assembly, window regulator assembly need to be re-initialized. Refer to [BE-80](#) .

15. REMOVE DOOR LOCK

- Disconnect the control link from the outside handle.
- Disconnect the connector.
- Remove the 3 torx screws and door lock.

Torque:

Bolt: 5.4 N·m (55 kgf·cm, 48 in.-lbf)

Screw: 4.9 N·m (50 kgf·cm, 43 in.-lbf)

HINT:

Remove the door lock through the service hole.

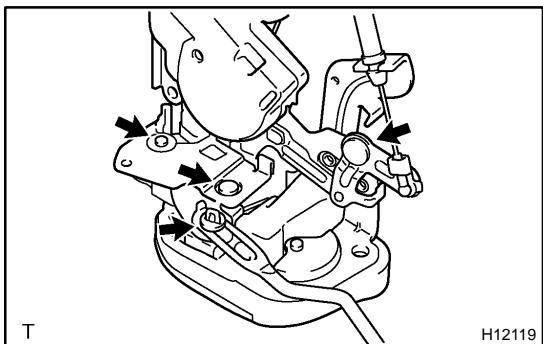
HINT:

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

Apply adhesive to 3 screws.

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

- Remove the 2 screws and door lock protector from the door lock.

**HINT:**

At the time of reassembly, please refer to the following item.
Apply MP grease to the sliding and rotating parts of the door lock.

16. REMOVE OUTSIDE HANDLE

Remove the 2 bolts and outside handle.

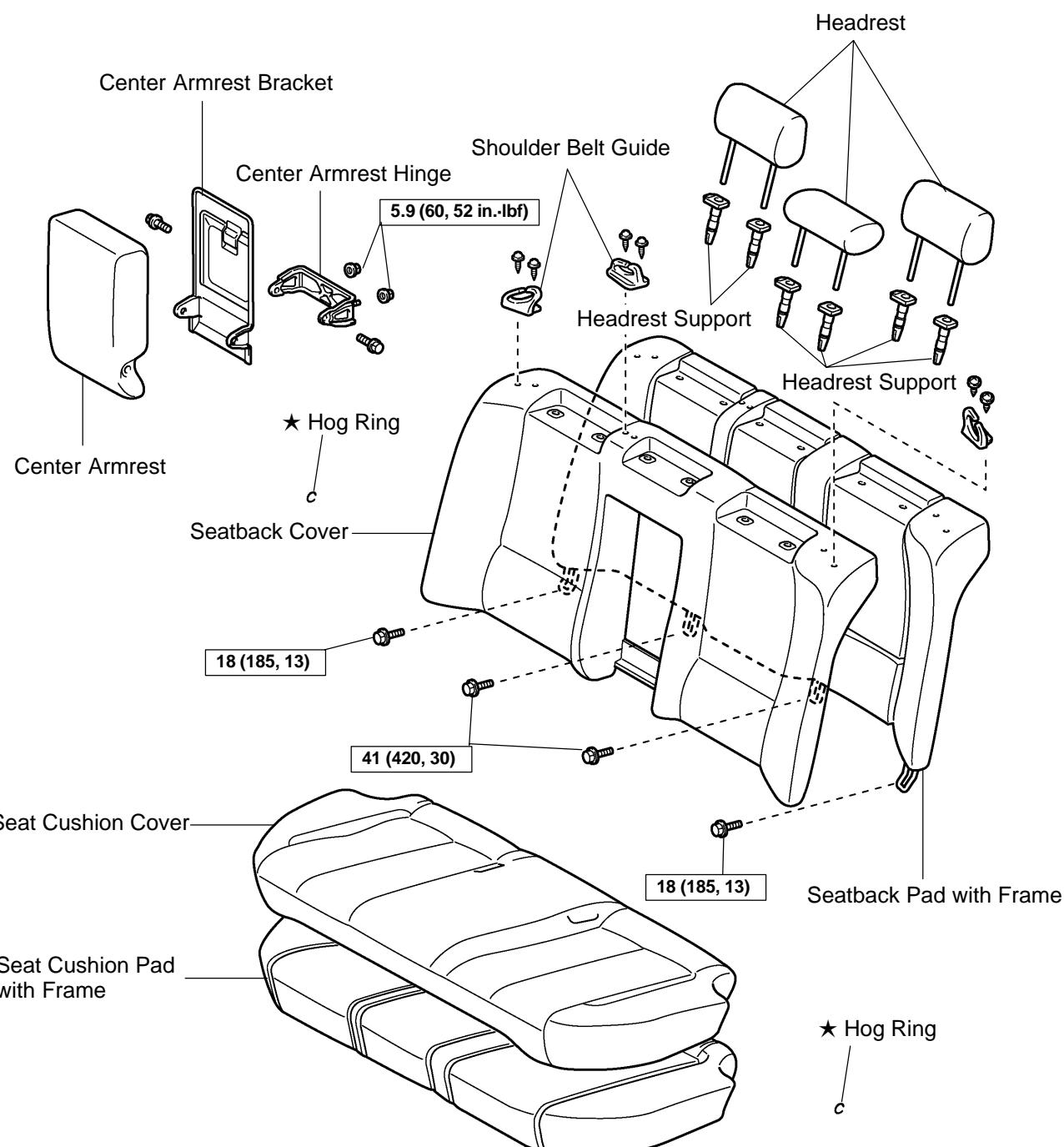
Torque: 5.4 N·m (55 kgf·cm, 48 in.-lbf)

REASSEMBLY

Reassembly is in the reverse order of disassembly (See page [BO-17](#)).

REAR SEAT COMPONENTS

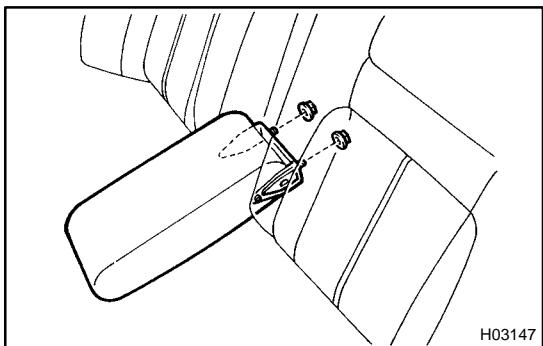
BO2QD-01



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

★ Non-reusable part

H12219



DISASSEMBLY

1. REMOVE HEADRESTS

2. REMOVE CENTER ARMREST

Remove the 2 nuts and center armrest.

Torque: 5.9 N·m (60 kgf·cm, 52 in.-lbf)

3. REMOVE SHOULDER BELT GUIDES

Remove the 4 screws and 2 shoulder belt guides.

4. REMOVE HEADREST SUPPORTS

5. REMOVE SEATBACK COVER

Remove the hog rings and seatback cover from the seatback pad with frame.

6. REMOVE SEAT CUSHION COVER

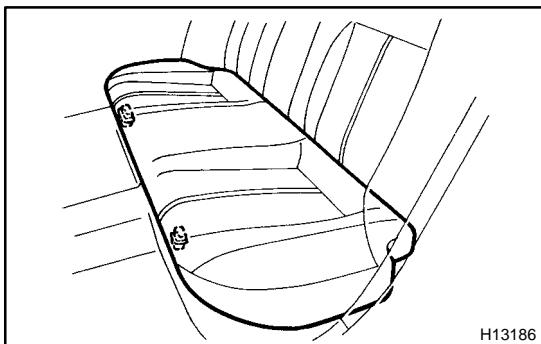
Remove the hog rings and seat cushion cover from the seat cushion pad.

INSTALLATION

Installation is in the reverse order of removal (See page [BO-123](#)).

REASSEMBLY

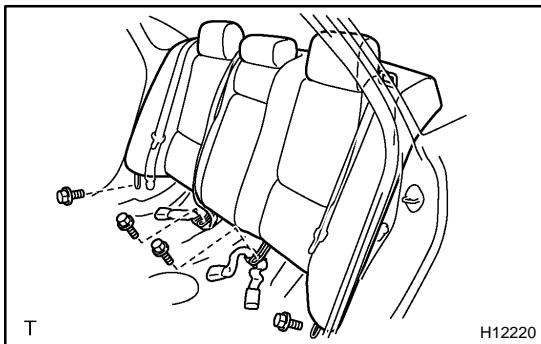
Reassembly is in the reverse order of disassembly (See page [BO-121](#)).



REMOVAL

1. REMOVE REAR SEAT CUSHION ASSEMBLY

Remove the rear seat cushion.



2. REMOVE REAR SEATBACK ASSEMBLY

(a) Remove the 4 bolts.

Torque:

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

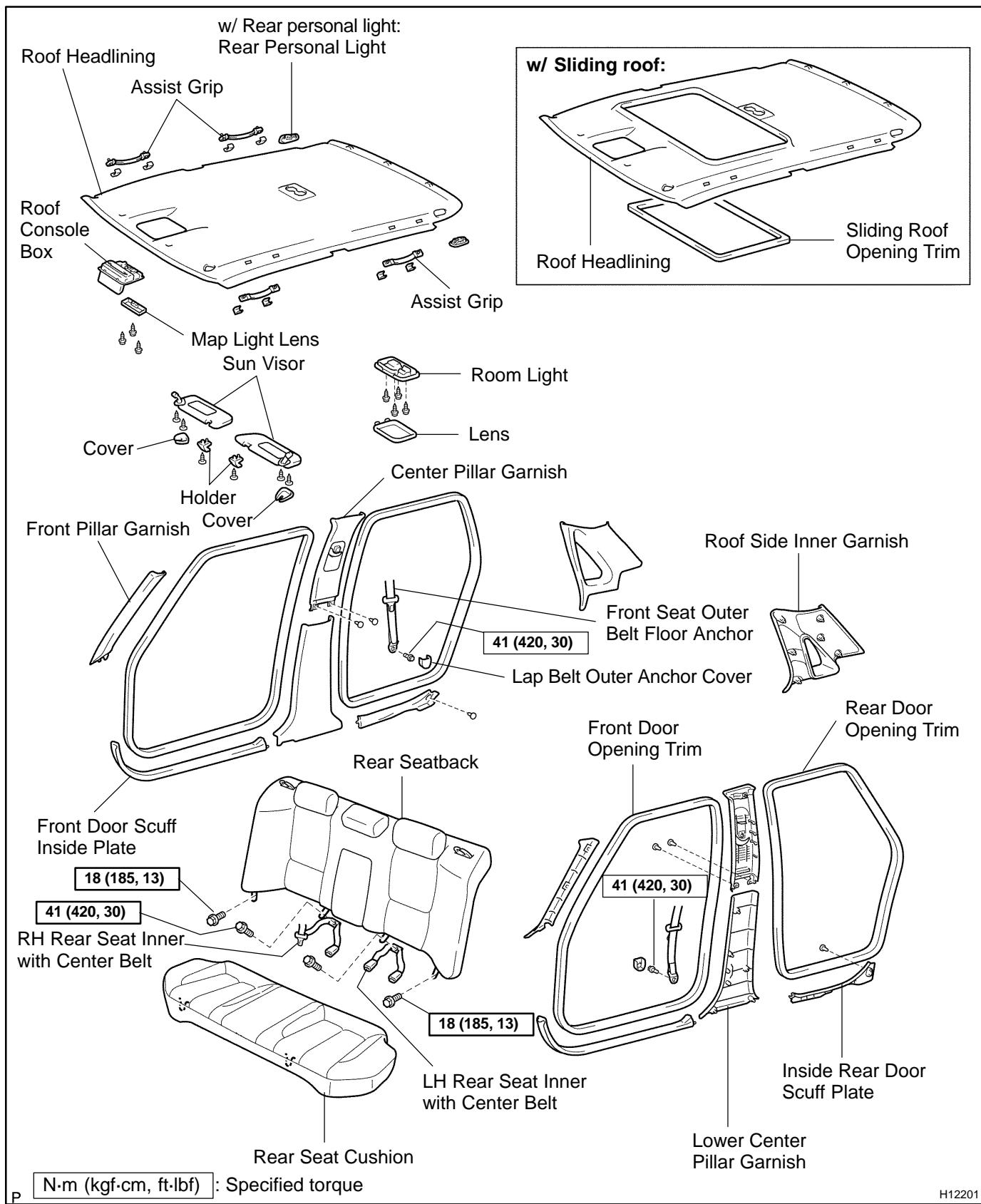
LH, RH Side: 18 N·m (185 kgf·cm, 13 ft·lbf)

(b) Raise the seatback assembly upward to remove the seatback assembly.

ROOF HEADLINING

COMPONENTS

BO2PZ-01



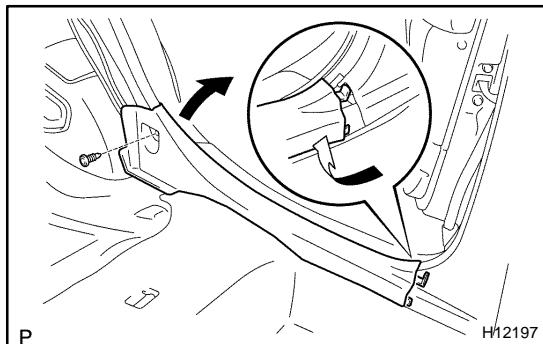
H12201

INSTALLATION

Installation is in the reverse order of removal (See page [BO-99](#)).

REMOVAL

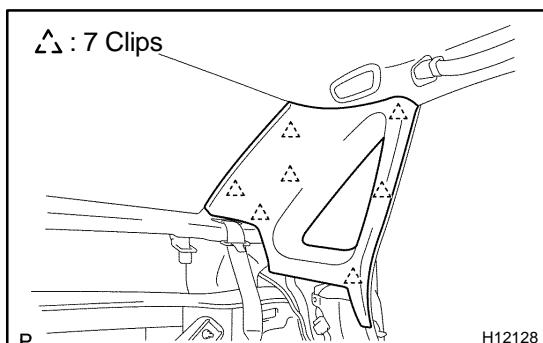
1. REMOVE REAR SEAT (See page BO-120)



2. REMOVE INSIDE REAR DOOR SCUFF PLATE

- (a) Remove the clip.
- (b) Remove the inside rear door scuff plate as shown in the illustration.
- (c) Employ the same manner described above to the other side.

3. REMOVE REAR DOOR OPENING TRIMS



4. 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.

5. REMOVE ASSIST GRIPS

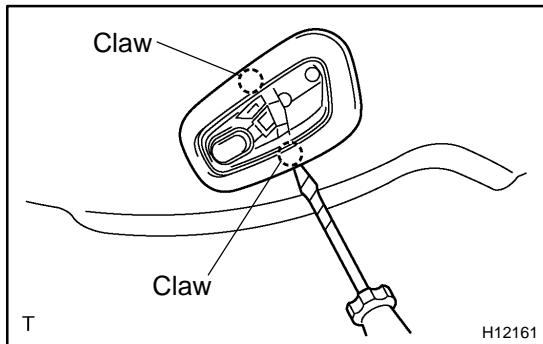
- (a) Using a screwdriver, remove the cover.

HINT:

Tape the screwdriver tip before use.

- (b) Loosen bolts until assist grip detaches from the vehicle.

- (c) Repeat at 4 positions.



6. w/ Rear personal light:

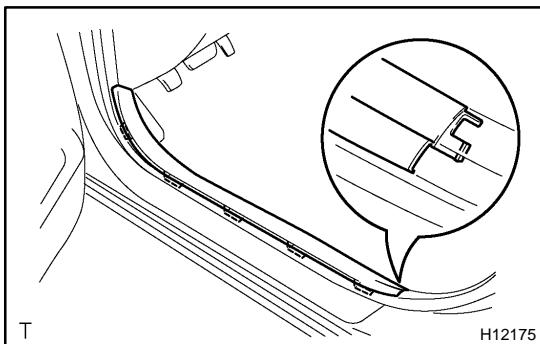
REMOVE REAR PERSONAL LIGHT

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

HINT:

Tape the screwdriver tip before use.

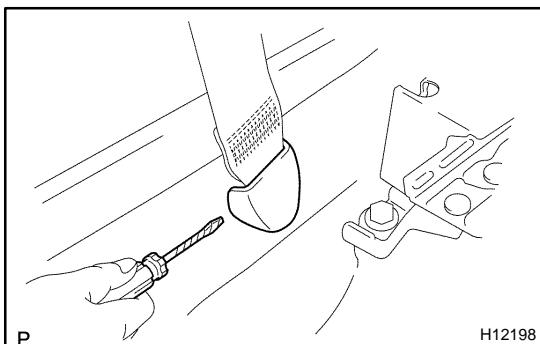
- (b) Employ the same manner described above to the other side.



7. REMOVE FRONT DOOR SCUFF INSIDE PLATE

- (a) Remove the front door scuff inside plate.
- (b) Employ the same manner described above to the other side.

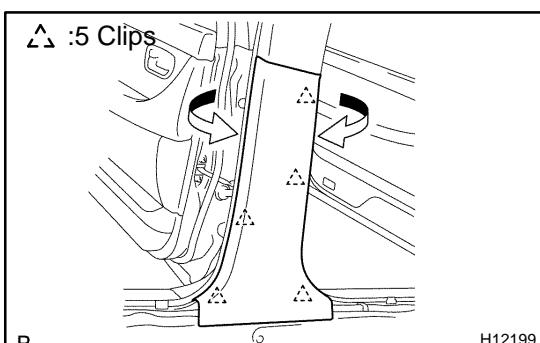
8. REMOVE FRONT DOOR OPENING TRIMS



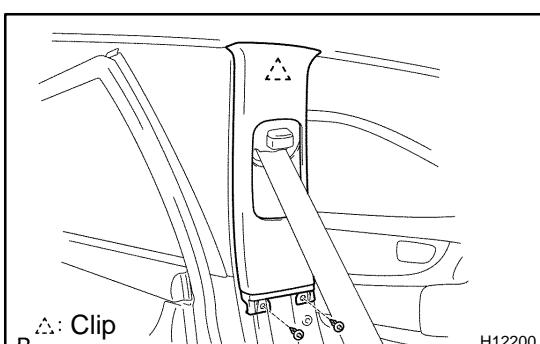
9. REMOVE LOWER CENTER PILLAR GARNISH

- (a) Using a screwdriver, remove the lap belt outer anchor cover.
- (b) Remove the front seat outer belt floor anchor.

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



- (c) Remove the lower center pillar garnish as shown in the illustration.
- (d) Employ the same manner described above to the other side.

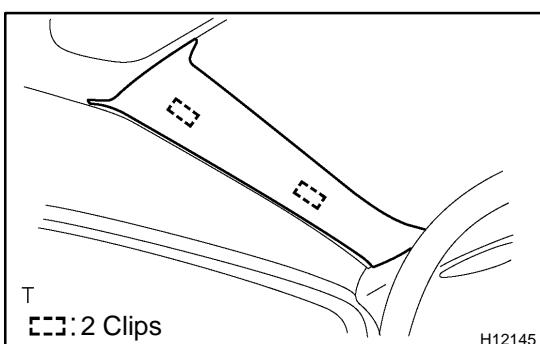


10. REMOVE CENTER PILLAR GARNISH

- (a) Remove the 2 clips.
- (b) Using a screwdriver, remove the center pillar garnish.

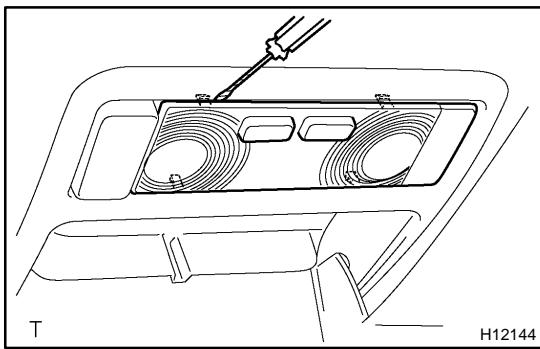
HINT:
Tape the screwdriver tip before use.

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



11. REMOVE FRONT PILLAR GARNISH

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



12. REMOVE ROOF CONSOLE BOX

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

HINT:

Tape the screwdriver tip before use.

- (b) Remove the 3 screws and roof console box, then disconnect the connector.

13. REMOVE ROOM LIGHT

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

HINT:

Tape the screwdriver tip before use.

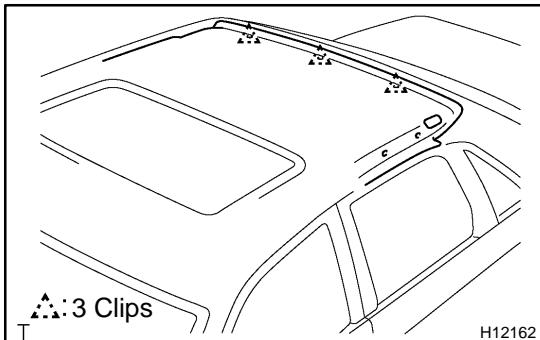
- (b) Remove the 4 screws and room light, then disconnect the connector.

14. w/ Sliding roof:

REMOVE SLIDING OPENING TRIM

15. REMOVE SUN VISORS AND HOLDERS

- (a) Using a screwdriver, pry the bracket cover off from the rear.
- (b) Remove the 2 screws from the visor bracket and a screw from the holder.
- (c) Remove the visor assembly from the holder and disconnect the connector.
- (d) Pull off the holder.



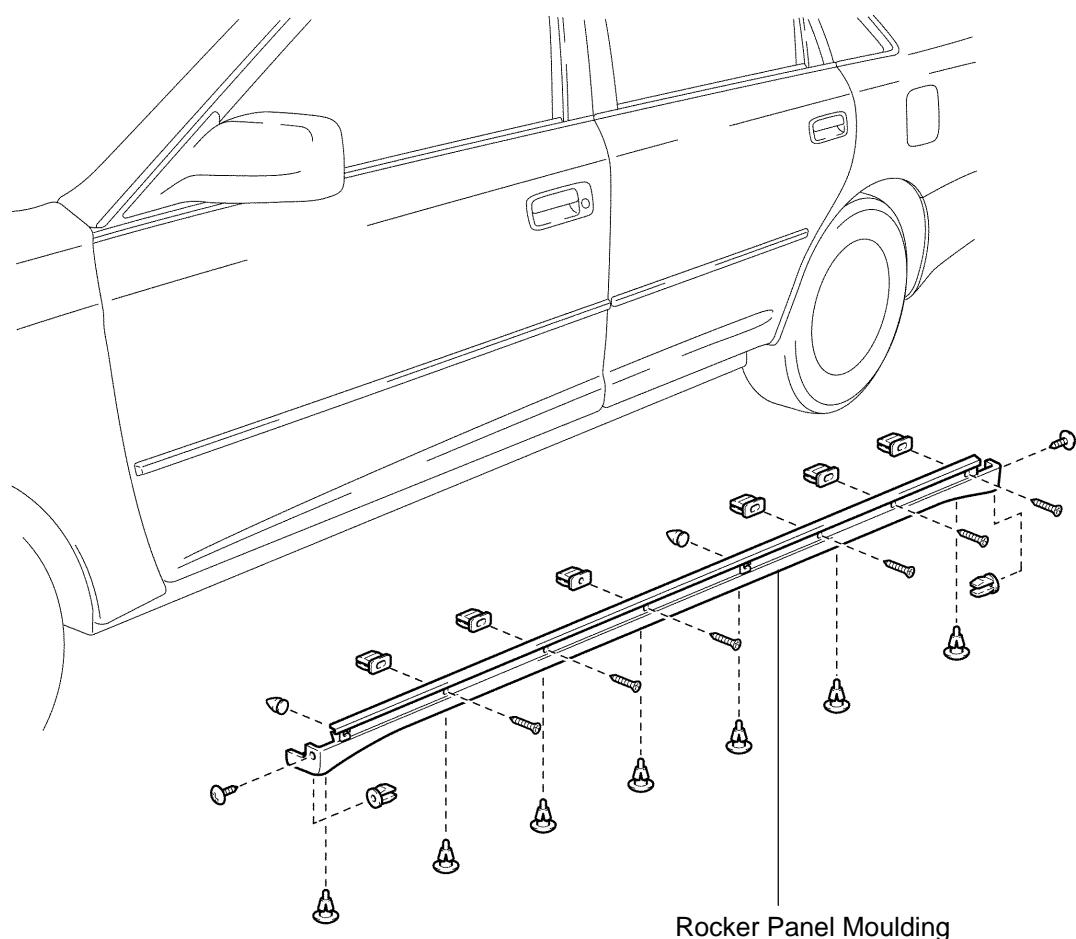
16. REMOVE ROOF HEADLINING

Disengage the 3 clips and remove the roof headlining.

ROCKER PANEL MOULDING

COMPONENTS

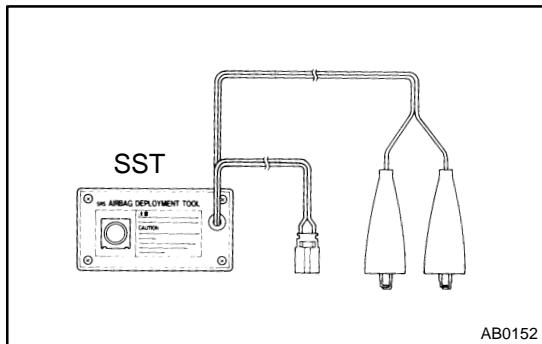
BO2PD-01



DISPOSAL

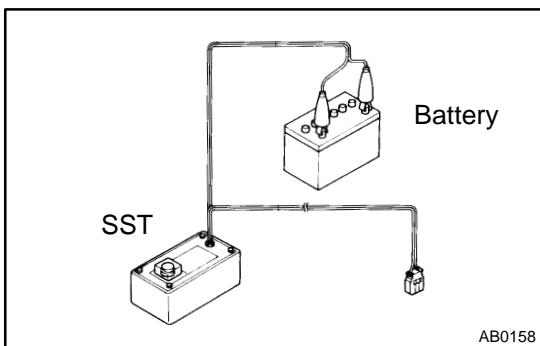
HINT:

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 TOYOTA MOTOR SALES, U.S.A., INC. When disposing of a front seat outer belt (with seat belt pretensioner) activated in a collision, follow the same procedure given in step 1-(e) in "DISPOSAL".



CAUTION:

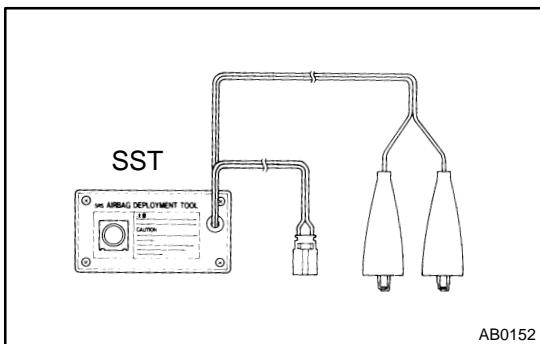
- ★ **Never dispose of the front seat outer belt which has an inactivated pretensioner.**
- ★ **The seat belt pretensioner produces a sizeable exploding sound when it activates, so perform the operation out-of-door and where it will not create a nuisance to nearby residents.**
- ★ **When activating the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



1. SEAT BELT PRETENSIONER ACTIVATION WHEN SCRAPPING VEHICLE

HINT:

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

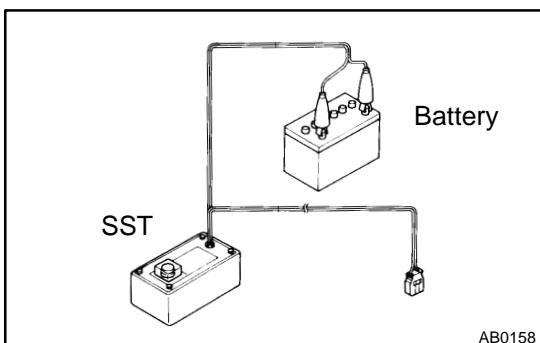


- (a) Check the functioning of SST.

CAUTION:

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

SST 09082-00700, 09082-00740

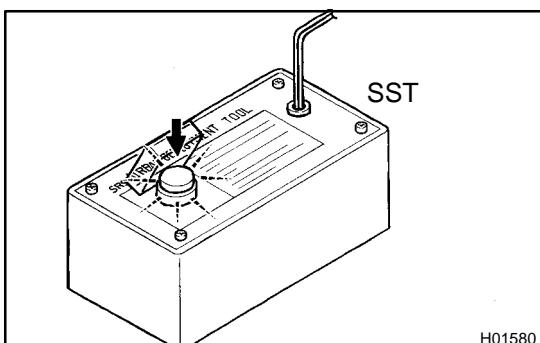


- (1) Connect the SST to the battery.

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.

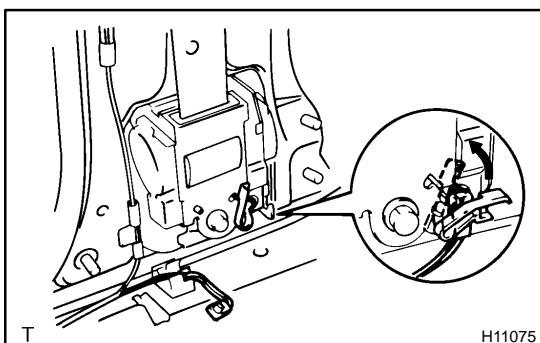
- (b) Disconnect the pretensioner connector.

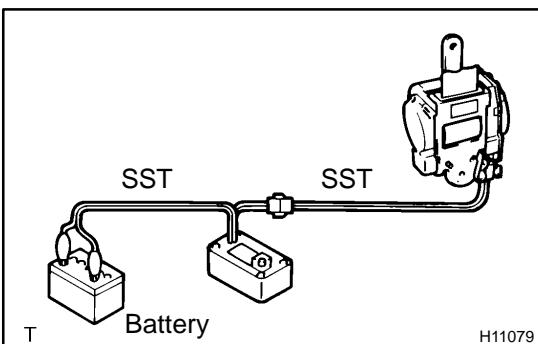
- (1) Remove the front door scuff inside plate.
- (2) Remove lower center pillar garnish.

- (3) 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.



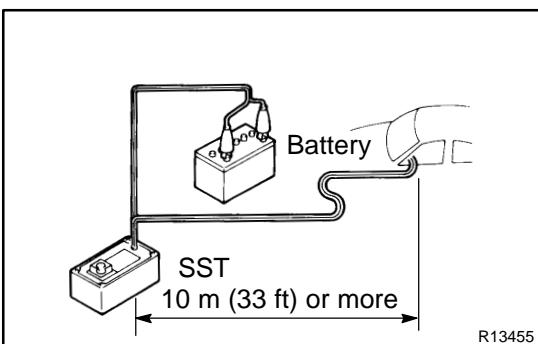


(2) Connect the 2 SST, then connect them to the seat belt pretensioner.

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 the front seat outer belt (with seat belt pretensioner).

CAUTION:

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

HINT:

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

2. ACTIVATION WHEN DISPOSING OF FRONT SEAT OUTER BELT ONLY

NOTICE:

- ★ When disposing of the front seat outer belt (with seat belt pretensioner) only, never use the customer's vehicle to activate the seat belt pretensioner.

★ **Be sure to follow the procedure given on the next page when activating the seat belt pretensioner.**

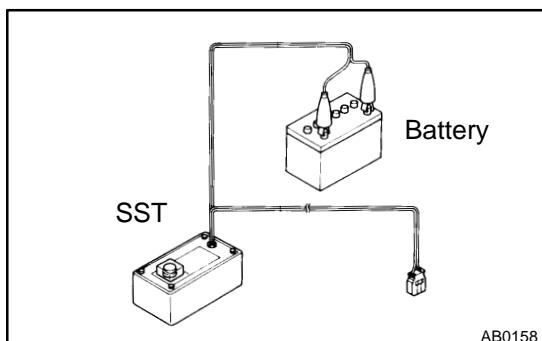
HINT:

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

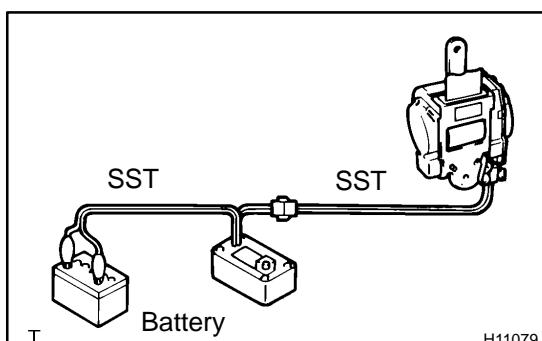
(a) Remove the front seat outer belt (See page [BO-128](#)).

HINT:

Cut the belt near the seat belt retractor.



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



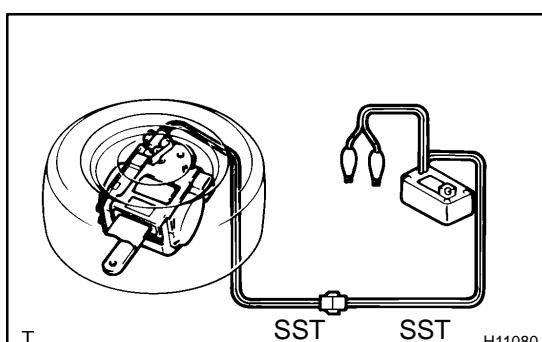
(c) Install the SST.

(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 at 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.

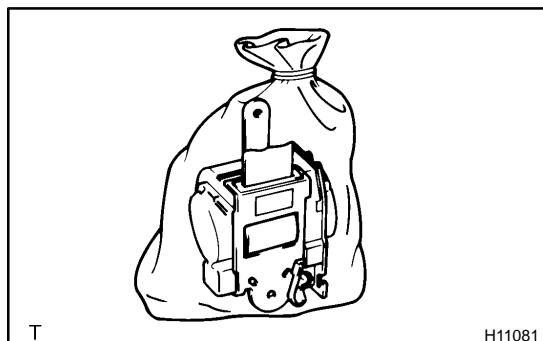
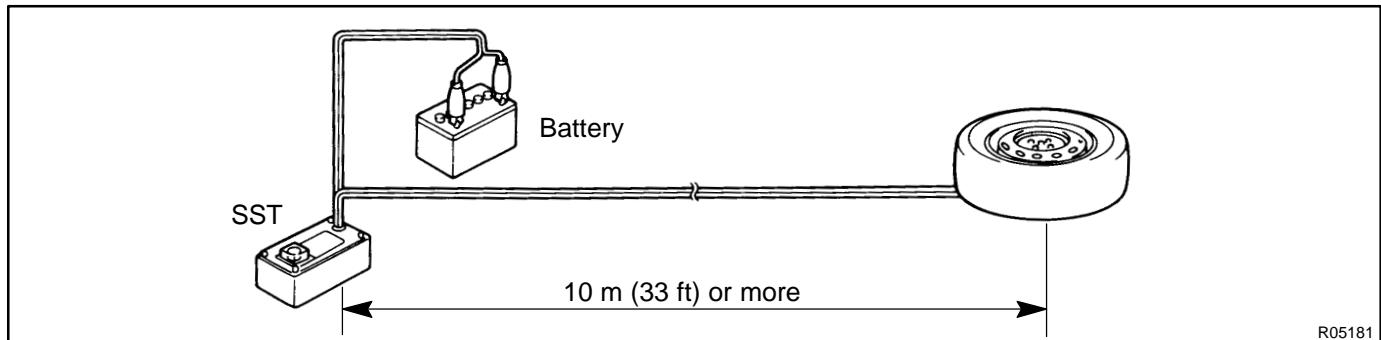
(1) Connect the SST red clip to the battery positive (+) terminal and black clip to the battery negative (-) terminal.

(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 the front seat outer belt (with seat belt pretensioner).

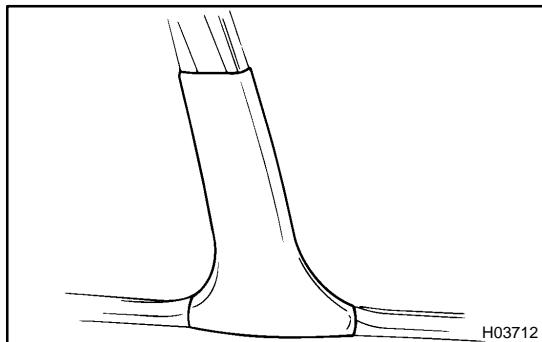
CAUTION:

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

INSPECTION

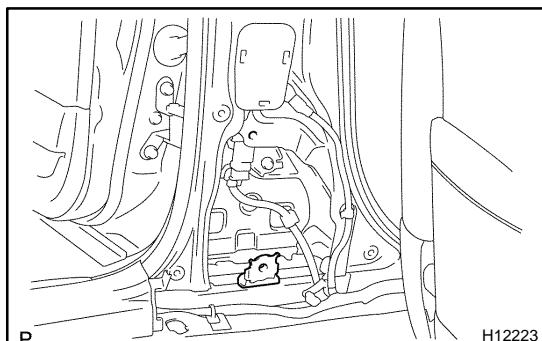
1. PRETENSIONER IS NOT ACTIVATED

(a) Perform a diagnostic system check (See page [DI-349](#)).

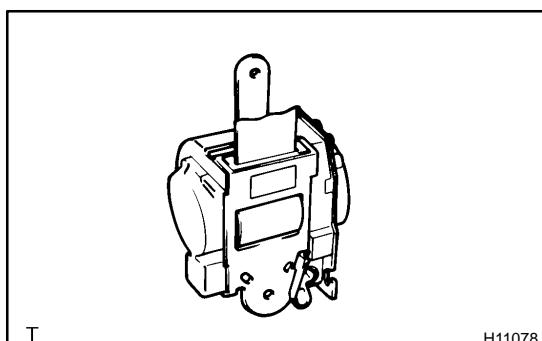


(b) Perform a visual check which includes the following items with the front seat outer belt removed from the vehicle.

- ★ Check for cuts and cracks in, or marked discoloration on the front quarter trim or center pillar lower garnish.
- ★ Check for cuts and cracks in wire harness, and for chipping in connectors.



- ★ Check for deformation of the quarter panel or center pillar.



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

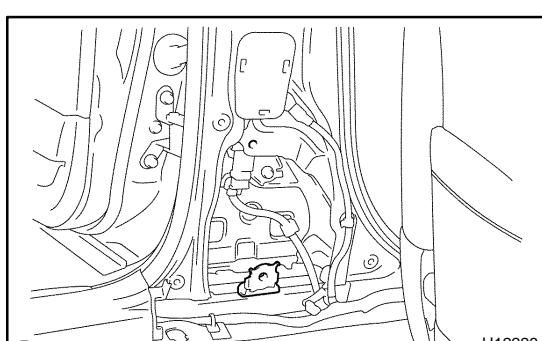
CAUTION:

For removal and installation of the front seat outer belt, see page [BO-128](#) and [BO-137](#) .

Be sure to follow the correct procedure.

2. PRETENSIONER IS ACTIVATED

(a) Perform a diagnostic system check (See page [DI-349](#)).



(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 quarter panel or center pillar.
- ★ Check for damage on the connector and wire harness.

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 in the specified torque.
- ★ If the front seat outer belt has been dropped, or there are cracks, dents or any identified 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 RETRACTOR OF FRONT SEAT OUTER BELT

(a)

Install the retractor of front seat outer belt with the 2 bolts.

Torque:

Upper bolt: 7.5 N·m (76 kgf·cm, 66 in.-lbf)

Lower bolt: 41 N·m (420 kgf·cm, 30 ft-lbf)

(b)

Connect the pretensioner connector as shown in the illustration.

2. INSTALL FRONT SEAT OUTER BELT SHOULDER ANCHOR

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

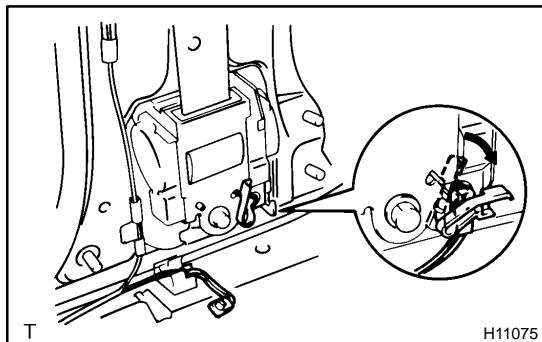
3. INSTALL CENTER PILLAR GARNISH

4. INSTALL LOWER CENTER PILLAR GARNISH

5. INSTALL FRONT SEAT OUTER BELT FLOOR ANCHOR

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

6. INSTALL FRONT DOOR SCUFF INSIDE PLATE

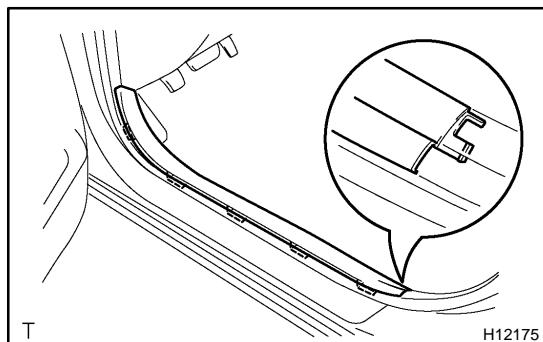


SEAT BELT PRETENSIONER REMOVAL

BO2QK-01

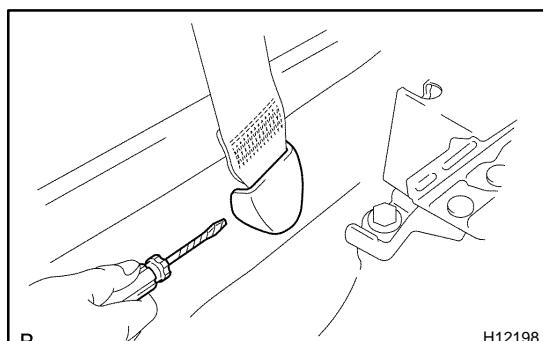
NOTICE:

- ★ 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 SRS parts from another vehicle. When replace parts, replace them with new parts.



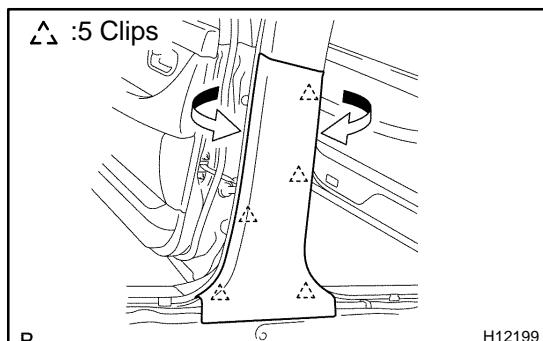
1. REMOVE FRONT DOOR SCUFF INSIDE PLATE

Remove the front door scuff inside plate.

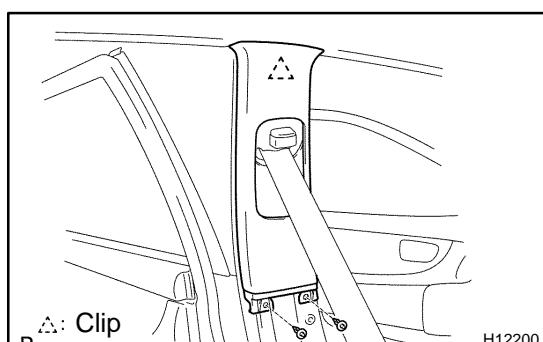


2. REMOVE LOWER CENTER PILLAR GARNISH

- (a) Using a screwdriver, remove the lap belt outer anchor cover.
- (b) Remove the front seat outer belt floor anchor.



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



3. REMOVE CENTER PILLAR GARNISH

- (a) Remove the 2 clips.
- (b) Using a screwdriver, remove the center pillar garnish.

HINT:

Tape the screwdriver tip before use.

4. REMOVE FRONT SEAT OUTER BELT SHOULDER ANCHOR

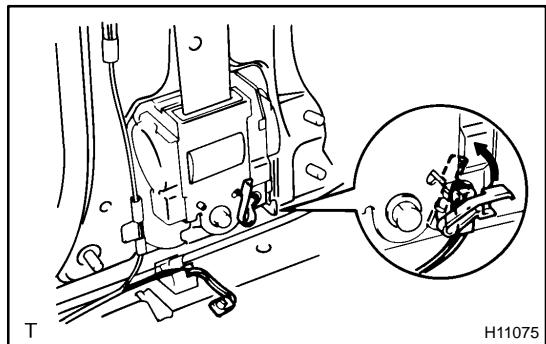
5. REMOVE RETRACTOR OF FRONT SEAT OUTER BELT

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.



- (a) 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 negative (-) terminal cable is disconnected from the battery.

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

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 item 1-(b) or 2-(b) (See page [BO-130](#)).
- ★ If the front seat outer belt has been dropped.

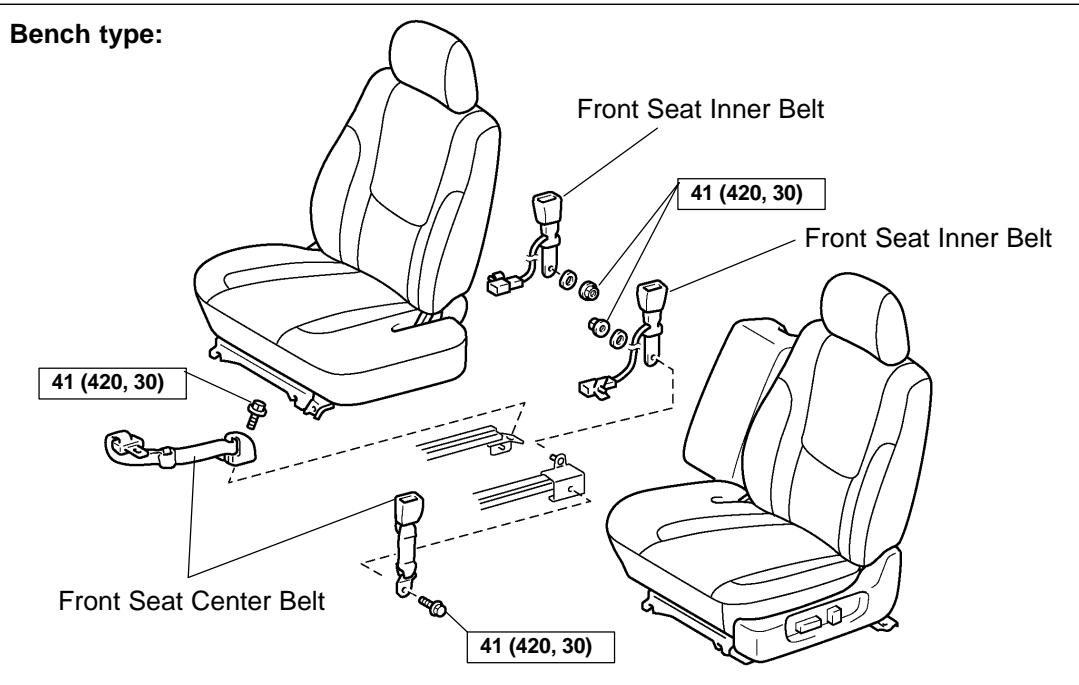
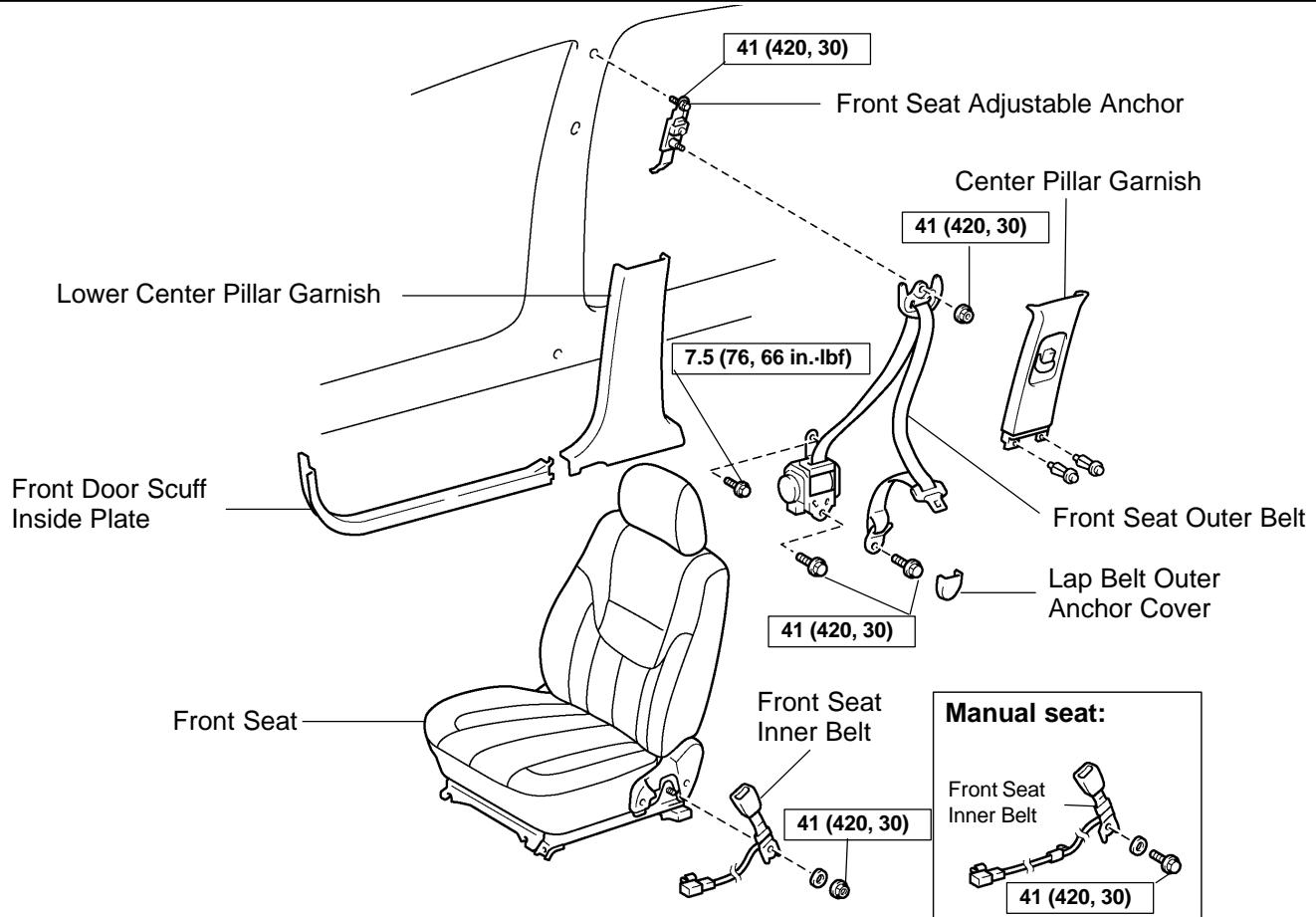
CAUTION:

For removal and installation of the seat belt pretensioner, see page [BO-128](#) and [BO-137](#) .

Be sure to follow the correct procedure.

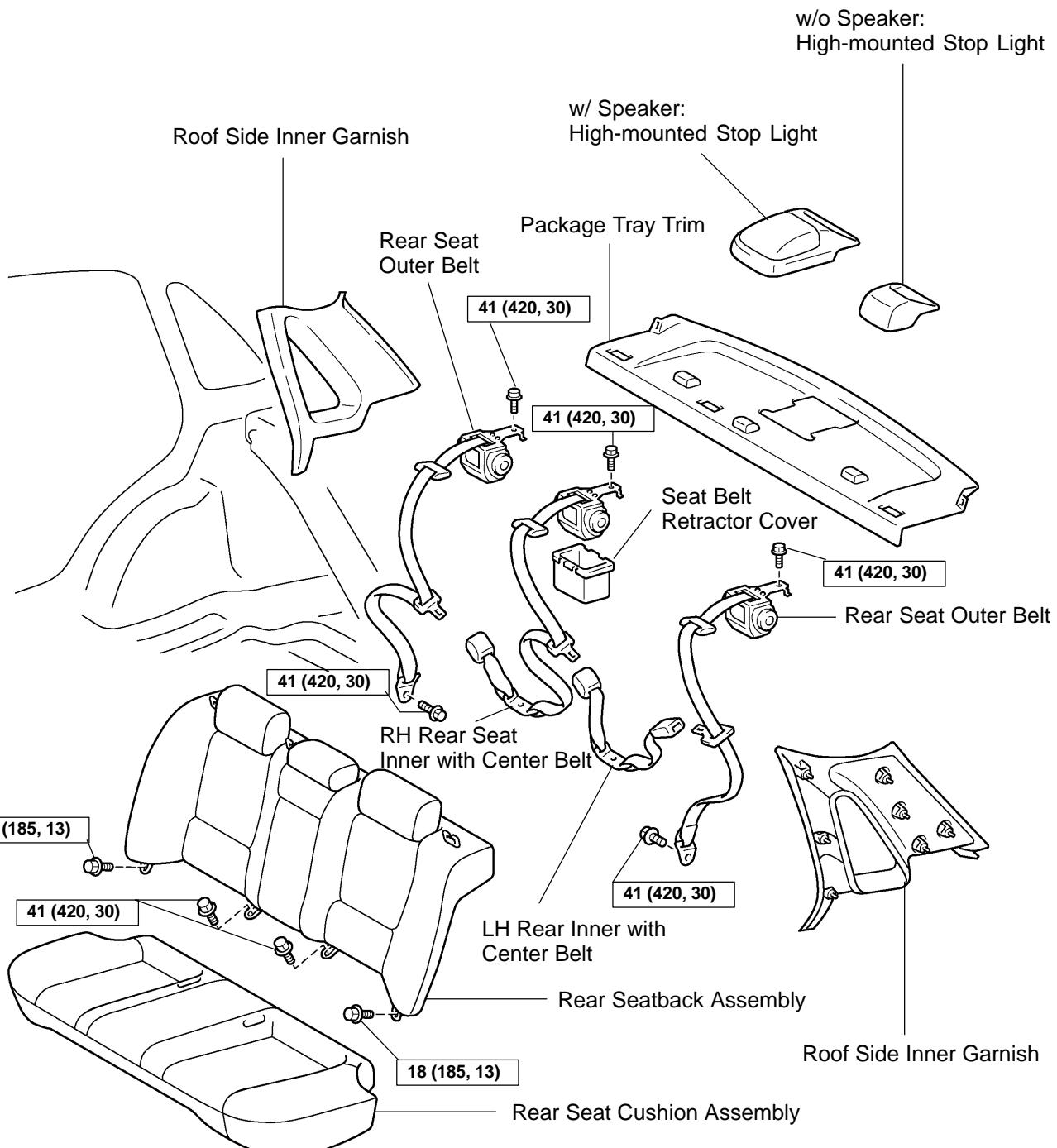
SEAT BELT COMPONENTS

BO2QI-01



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

H12221



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

H12222

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.

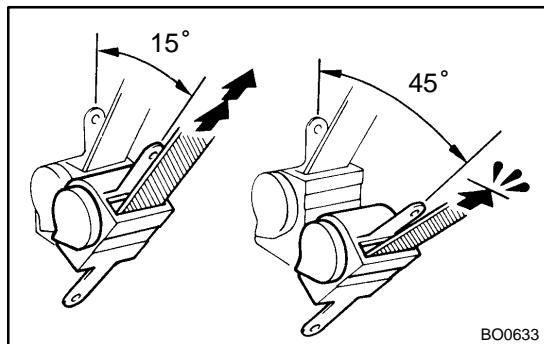
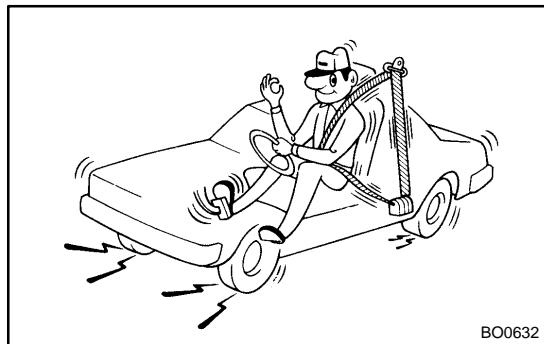
HINT:

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.

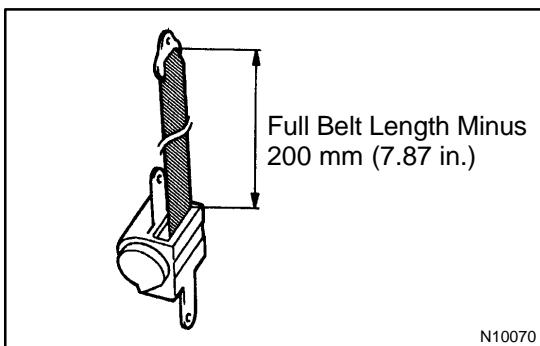
3. Except driver's seat belt (ALR/ELR):

STATIC TEST

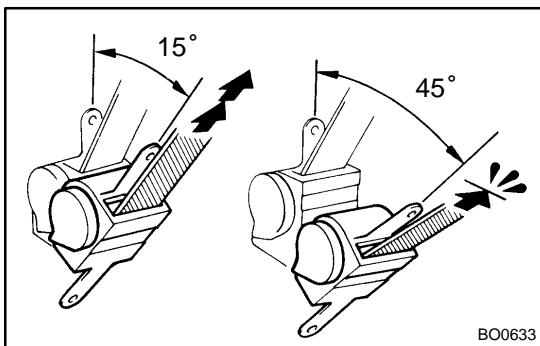
- (a) Make sure that the belt locks when pulled out quickly.
- (b) Remove the locking retractor assembly.
- (c) Pull out the whole belt and measure the length of the whole belt.

Then retract the belt slightly and pull it out again

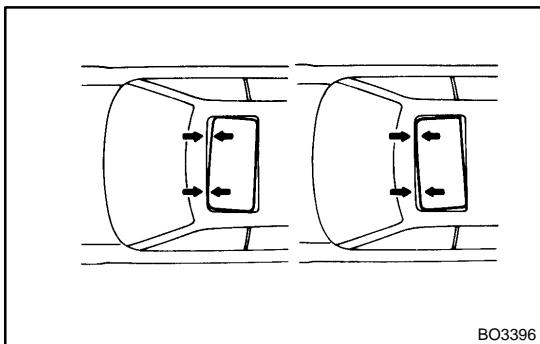
- (d) Make sure that the belt cannot be extended further. If a problem is found, replace the assembly.



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



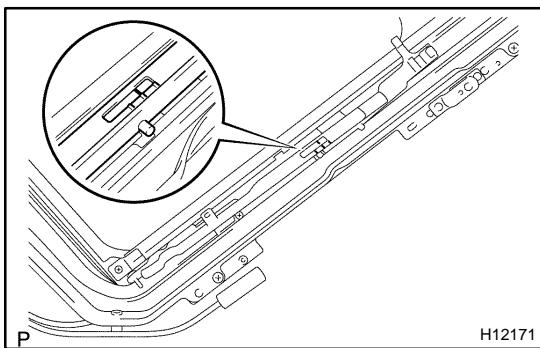
- (g) Make sure that the belt can be pulled out at a tilt of 15 degrees or less, and cannot be pulled out at over 45 degrees of tilt.
If a problem is found, replace the assembly.



ADJUSTMENT

ADJUST SLIDING ROOF GLASS IN CLEARANCE

(a) When the front or rear/left or right alignment is not correct, remove the drive gear and sliding roof glass, then adjust the drive cable.

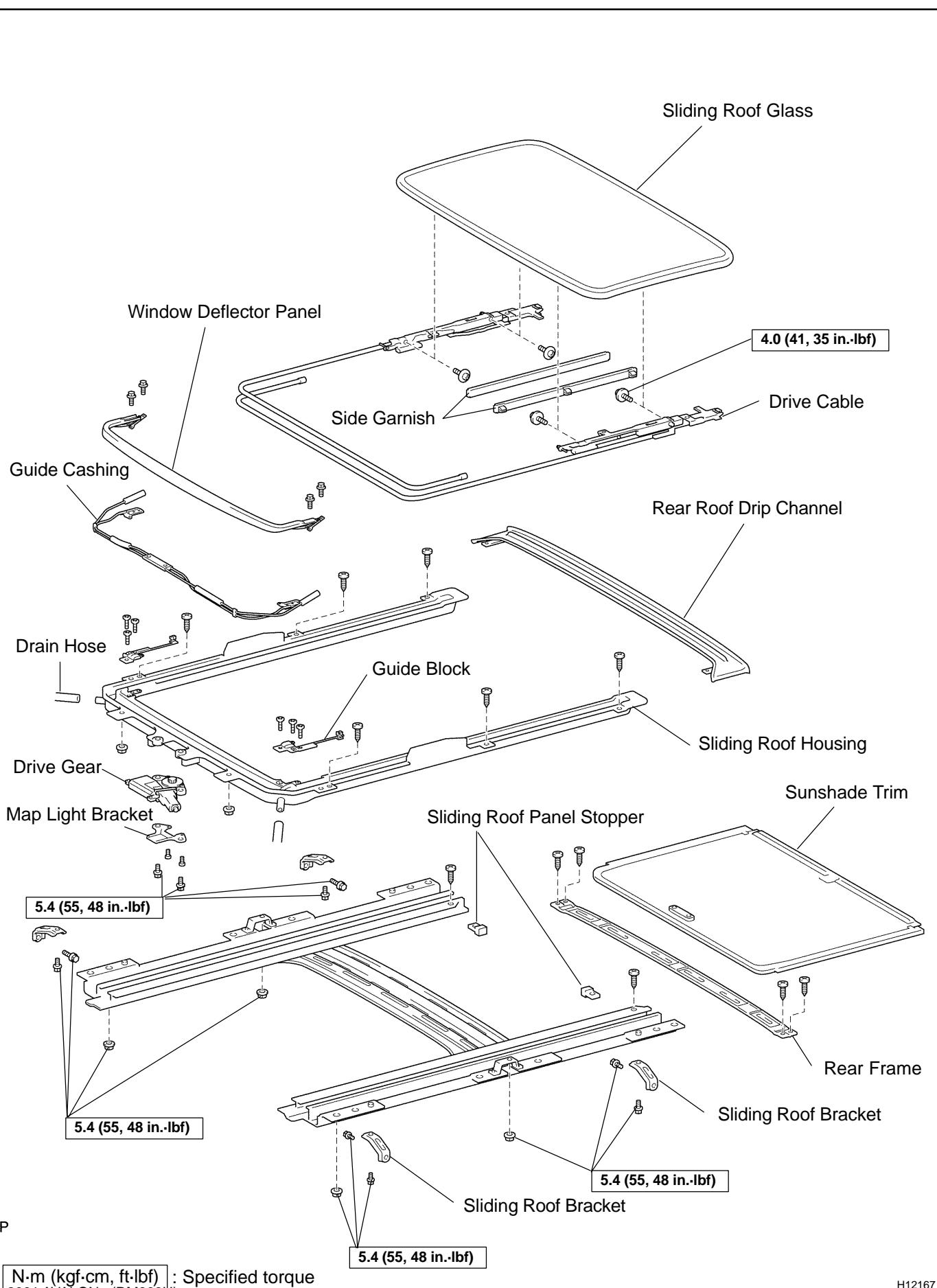


NOTICE:

Remove the drive gear with the sliding roof fully closed.

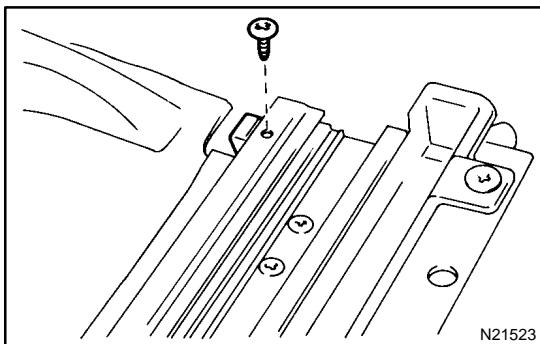
(b) Adjust by sliding the cable forward or rearward or rearward to align the 2 marks as shown.
(c) Install the driving ear and sliding roof glass.

COMPONENTS



N·m (kgf·cm, ft·lbf) : Specified torque
2001 AVALON (RM308U)

H12167



DISASSEMBLY

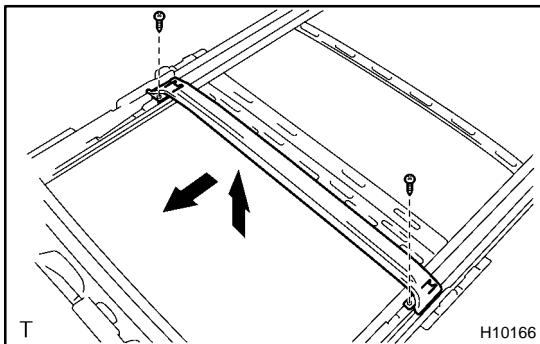
1. REMOVE SLIDING ROOF PANEL STOPPER

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

2. REMOVE SUNSHADE TRIM

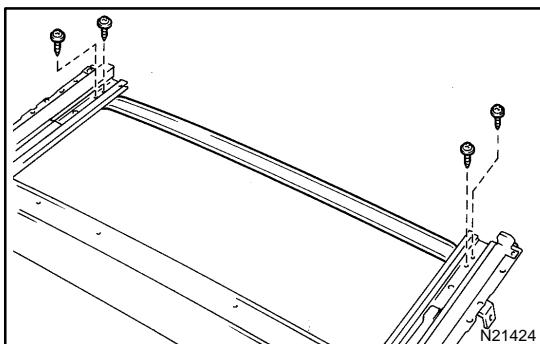
3. REMOVE REAR ROOF DRIP CHANNEL

Remove the 2 screws and rear roof drip channel as shown in the illustration.



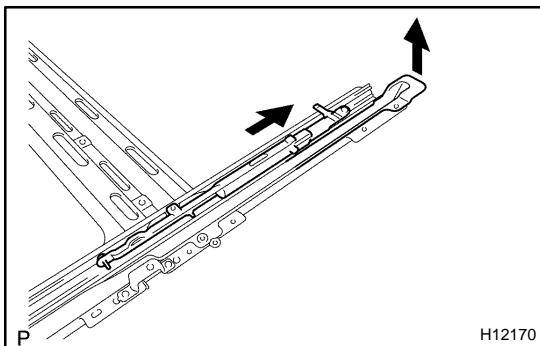
4. REMOVE REAR FRAME

Remove the 4 screws and rear frame.



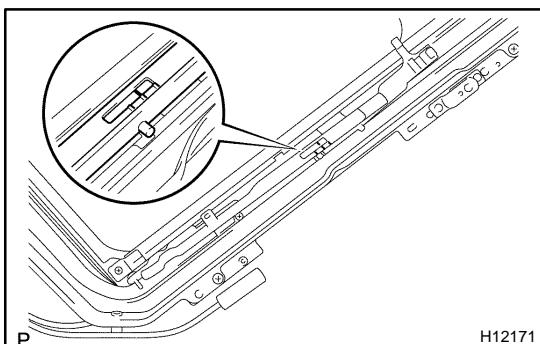
5. REMOVE DRIVE CABLE

- (a) Remove the screws and guide rail stopper.
- (b) Remove the screw from the sliding roof housing.
- (c) Slightly lift the sliding roof housing, and slide the drive cable rearward to then remove it.



HINT:

- ★ At the time of reassembly, please refer to the following items.
- ★ Adjust the drive cable to a closed and tilted down position.

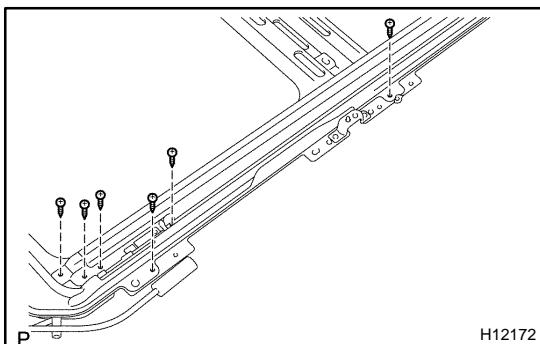


- ★ Slide the cable forward or backward to align the 2 marks as shown in the illustration.

- ★ Slide the cable to the forefront with your hand.

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

6. REMOVE WINDOW DEFLECTOR PANEL

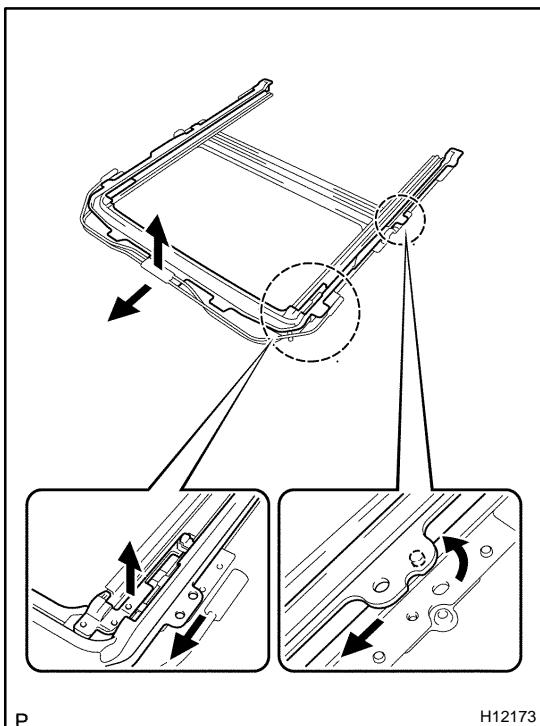


7. REMOVE SLIDING ROOF HOUSING

- (a) Remove the 2 screws from the sliding roof housing.

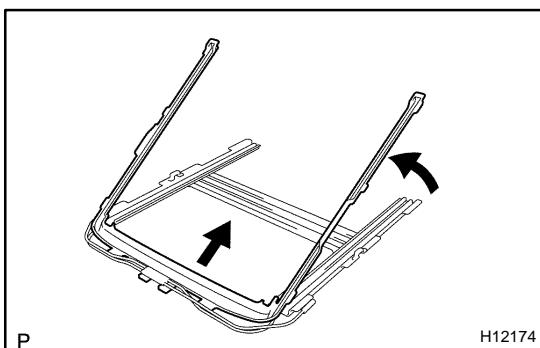
- (b) Remove the 4 screws from the guide block.

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

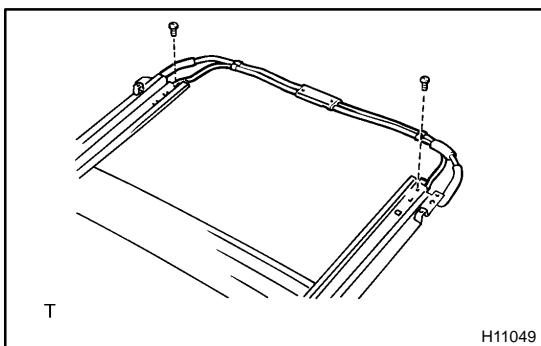


- (d) Disconnect the sliding roof housing from the drive rail, and slide the sliding roof housing forward.

- (e) Remove the 2 guide blocks.



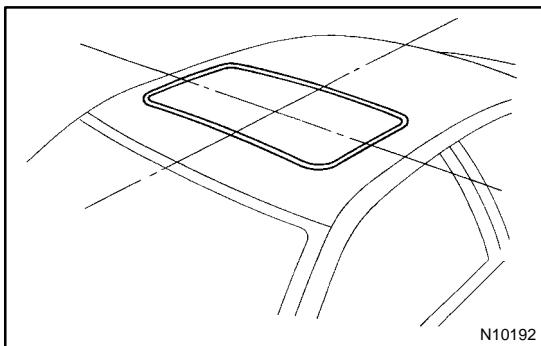
- (f) Remove the sliding roof housing as shown in the illustration.

**8. REMOVE CABLE GUIDE CASING**

Remove the 2 screws and cable guide casing.

INSTALLATION

Installation is in the reverse order of removal (See page [BO-79](#)).



SLIDING ROOF

ON-VEHICLE INSPECTION

BO2PN-01

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.

Except rear corners:

$0 \pm 1.5 \text{ mm (} 0 \pm 0.059 \text{ in.)}$

Rear corners:

$0 + 1.5 \text{ mm (} 0 + 0.059 \text{ in.)}$

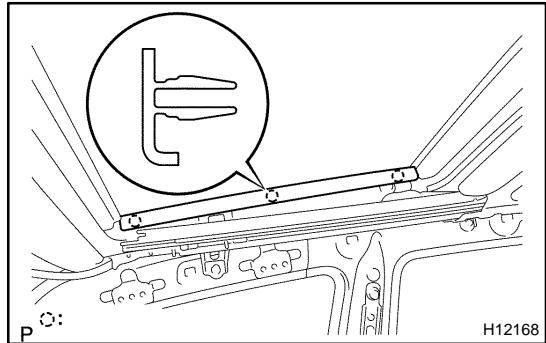
$0 - 1.0 \text{ mm (} 0 - 0.039 \text{ in.)}$

REASSEMBLY

Reassembly is in the reverse order of disassembly (See page [BO-81](#)).

REMOVAL

1. REMOVE ROOF HEADLINING (See page [BO-99](#))



2. REMOVE SIDE GARNISH

- Using a screwdriver, remove the garnish.

HINT:

Tape the screwdriver tip before use.

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

3. REMOVE SLIDING ROOF GLASS ASSEMBLY

- Using a torx wrench, remove the 4 nuts.

Torque: 4.0 N·m (41 kgf·cm, 35 in.-lbf)

- Pull the glass upward to remove it.

4. REMOVE DRIVE GEAR

NOTICE:

Remove the drive gear with the sliding roof fully closed.

- Disconnect the connector.

- Remove the 2 bolts an drive gear.

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

- Remove the 2 screws and map light bracket from the drive gear.

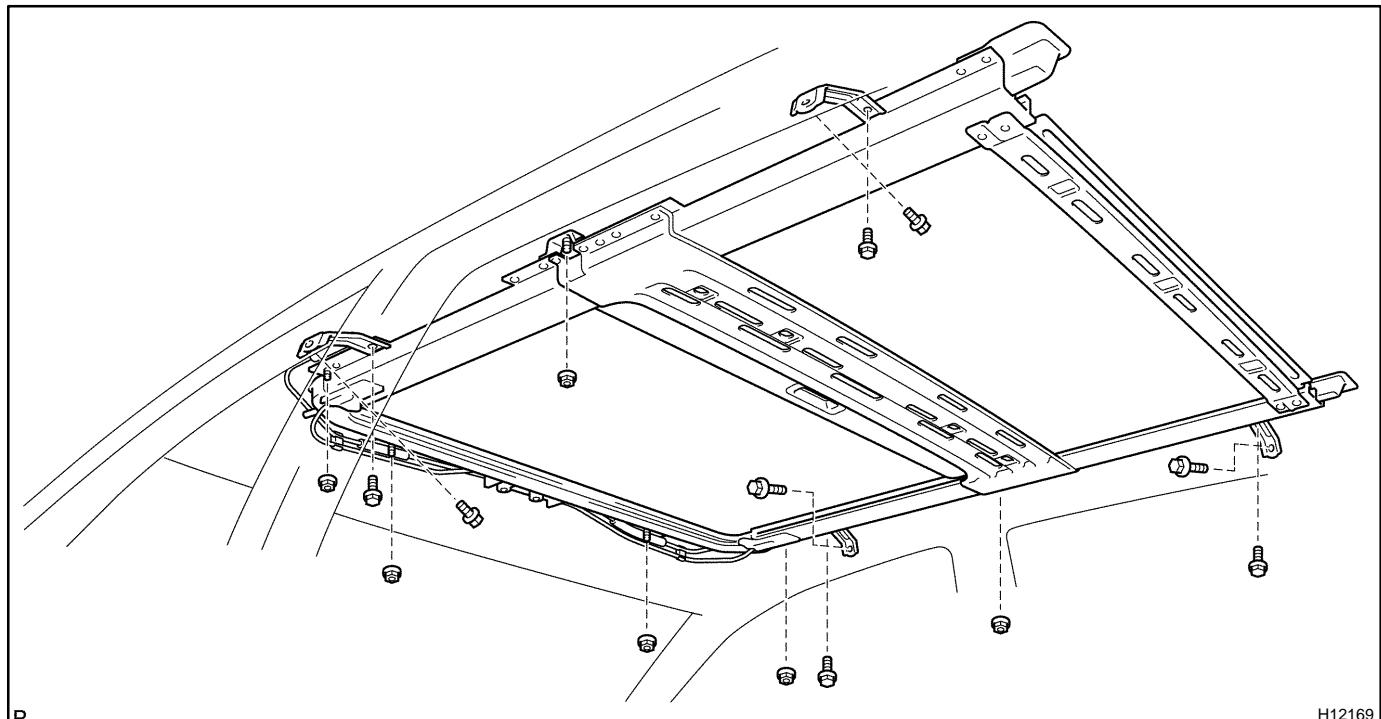
5. REMOVE SLIDING ROOF HOUSING

- (a) Disconnect the 4 drain hoses from the housing.
- (b) Remove the 8 bolts and 4 brackets.

Torque: 5.4 (55 kgf·cm, 48 in.-lbf)

- (c) Remove the 6 nuts, then remove the sliding roof housing.

Torque: 5.4 (55 kgf·cm, 48 in.-lbf)



SRS AIRBAG

PRECAUTION

BO0XI-03

The AVALON 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.

SRS AIRBAG

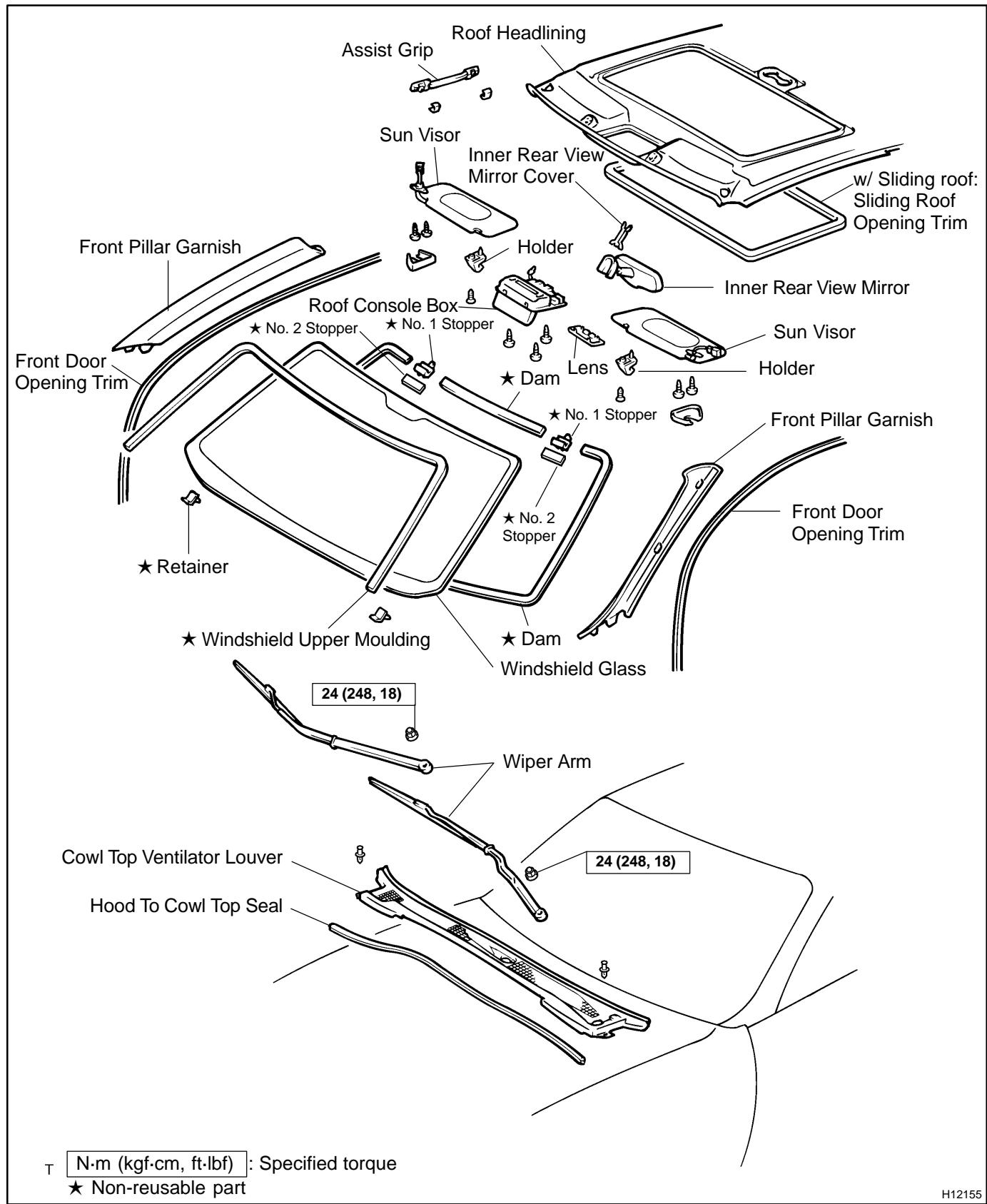
PRECAUTION

BO0XI-03

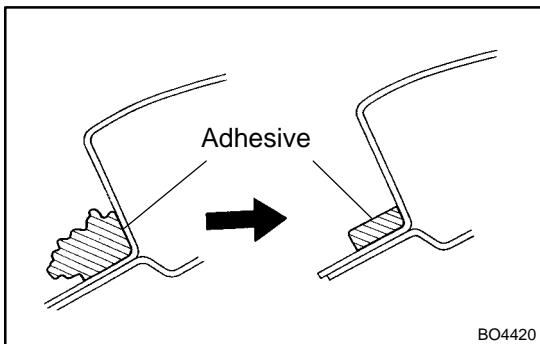
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WINDSHIELD COMPONENTS

BO2PE-01



H12155



INSTALLATION

1. CLEAN AND SHAPE CONTACT SURFACE OF BODY

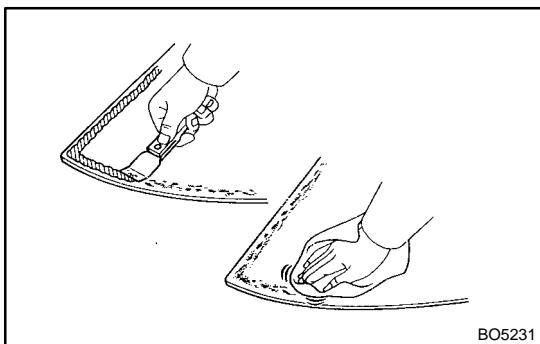
(a) Using a knife, cut away any rough areas on the body.
HINT:

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

(b) Clean the cut 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.

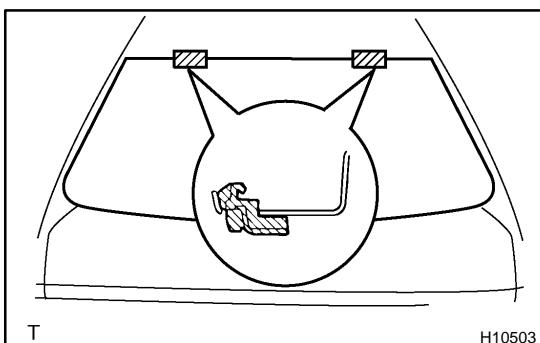


2. CLEAN REMOVED GLASS

(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 stopper installation area.

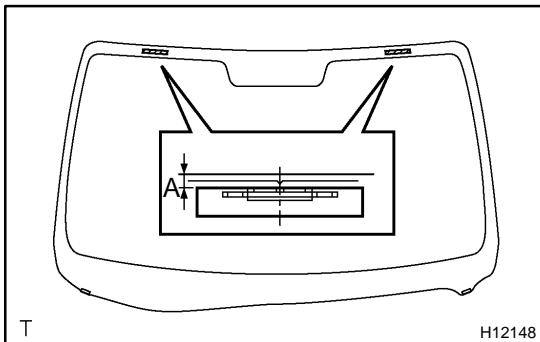
NOTICE:

Be careful not to damage the body.

(c) Clean the installation area.
(d) Attach new stoppers to the body so that the notches on the body will align with the stoppers as shown in the illustration.

HINT:

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



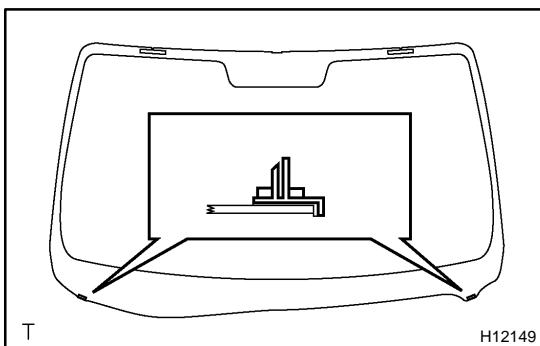
4. INSTALL NEW NO. 2 STOPPERS

Attach new stoppers to the glass so that the ceramic notches on the glass will align with the stoppers as shown in the illustration.

HINT:

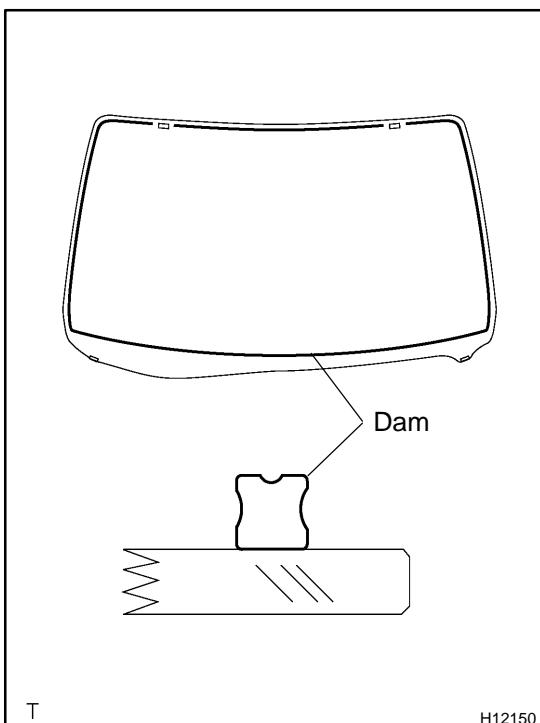
Make sure that the stoppers are installed facing the correct direction.

A: $7.2 \pm 0.5 \text{ mm (0.283} \pm 0.020 \text{ in.)}$



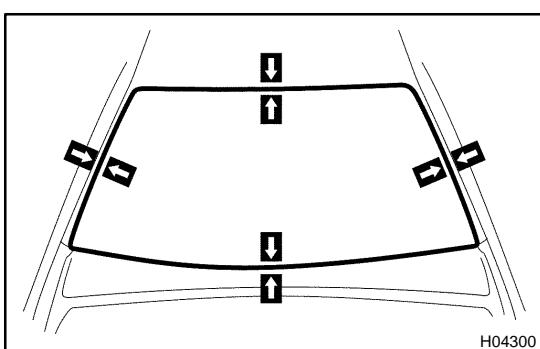
5. INSTALL NEW RETAINERS

Attach new retainers to the glass with the ceramic notch on the glass aligned with the retainers as shown in the illustration.



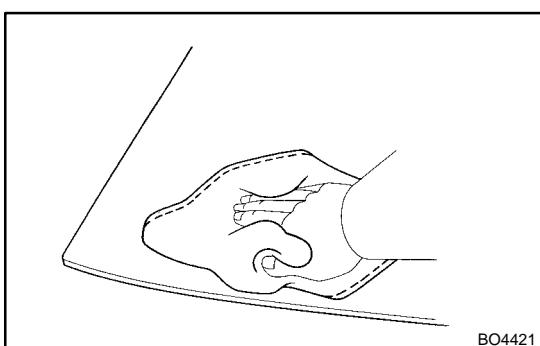
6. INSTALL NEW DAMS

Attach new dams to the glass as shown in the illustration.



7. POSITION GLASS

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

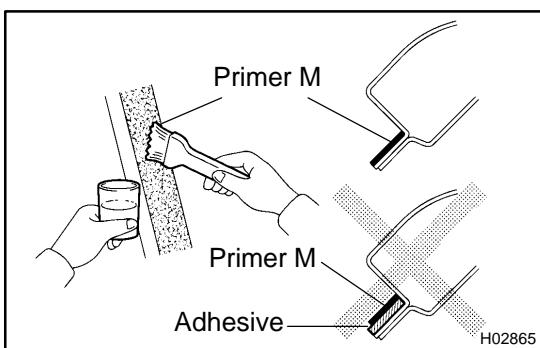


8. CLEAN CONTACT SURFACE OF GLASS

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

NOTICE:

Do not touch the glass face after cleaning it.

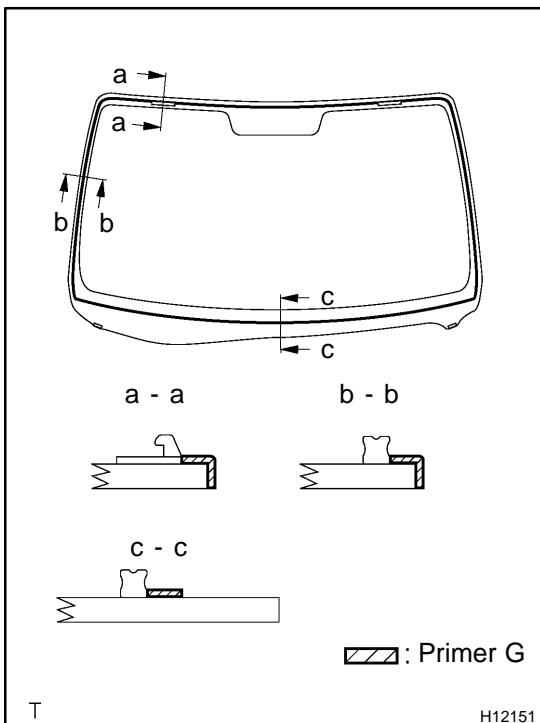


9. COAT CONTACT SURFACE OF BODY WITH PRIMER "M"

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

NOTICE:

- ★ Allow 3 minutes or more to dry the primer coated surface.
- ★ Do not coat Primer M to the adhesive.
- ★ Do not keep any of the opened Primer M for later use.

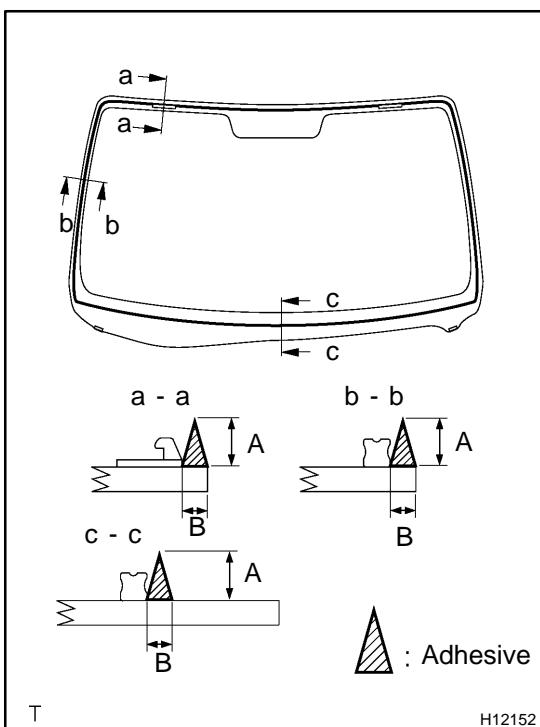


10. COAT CONTACT SURFACE OF GLASS WITH PRIMER "G"

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

NOTICE:

- ★ Allow 3 minutes or more to dry the primer coated surface.
- ★ Do not keep any of the opened Primer G for later use.



11. APPLY ADHESIVE

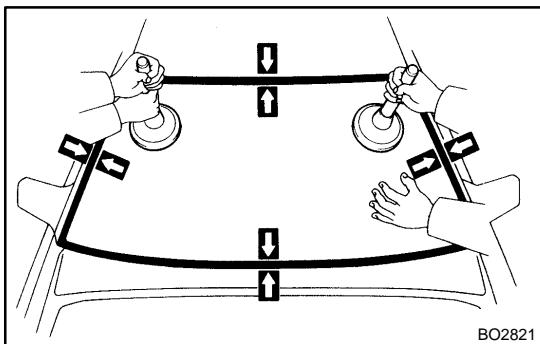
- (a) Cut off the tip of the cartridge nozzle.
Part No. 08850-00801 or equivalent

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: 13.5 mm (0.531 in.)
B: 8.0 mm (0.315 in.)



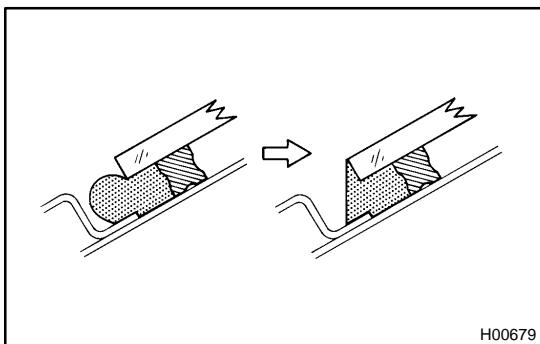
12. INSTALL WINDSHIELD GLASS AND MOULDING

(a) Install the glass, aligning the reference marks using a suction rubber.

HINT:

Check to see that the stoppers are attached to the body correctly.

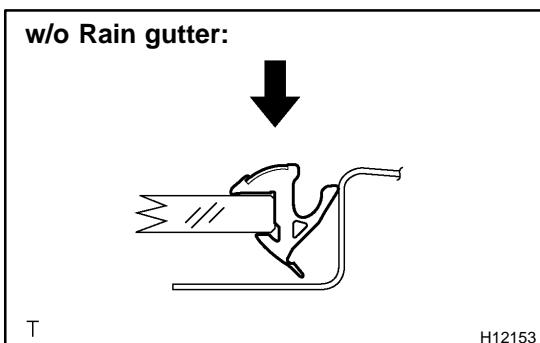
(b) Lightly press the glass front surface for close contact.



(c) Correct insufficient or protruded adhesive agent using a spatula.

HINT:

Apply adhesive agent up to the windshield glass edge.



(d) Install a new windshield moulding to the windshield glass before the adhesive agent hardens.

HINT:

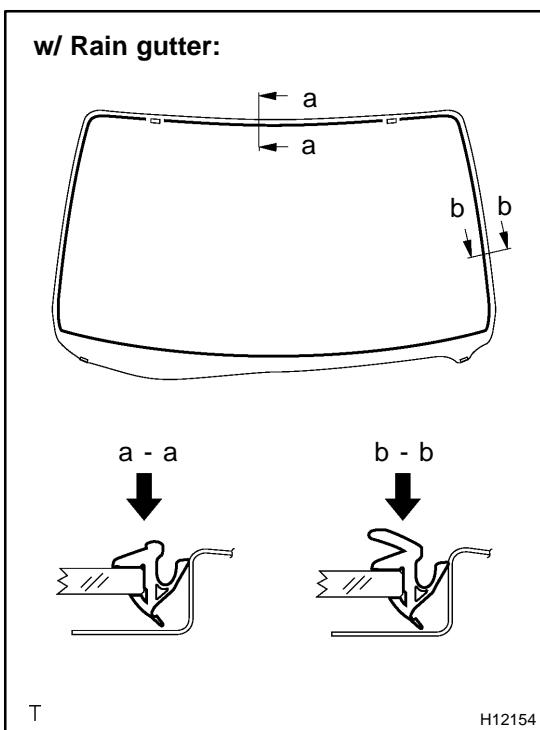
Install the moulding, aligning the center of moulding with the center of body.

(e) Remove any excessive adhesive agent before it hardens.
(f) Hold the glass and moulding 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



13. INSPECT FOR LEAK AND REPAIR

NOTICE:

Conduct a leak test after the hardening time has elapsed.

14. w/ Sliding roof:

INSTALL SLIDING ROOF OPENING TRIM

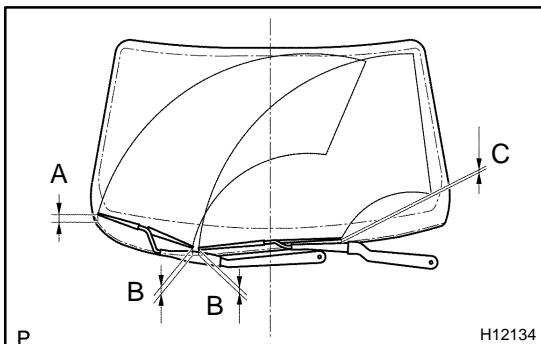
15. INSTALL ASSIST GRIP

16. INSTALL COWL TOP VENTILATOR LOUVER

17. INSTALL HOOD TO COWL TOP SEAL

18. INSTALL WIPER ARMS

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



(c) Adjust the installation position of the wiper arms to the position as shown in the illustration.
A: 52 mm (2.05 in.)
B: 30 ± 10 mm (1.18 ± 0.39 in.)
C: 21.3 mm (0.839 in.)

(d) Torque the 2 nuts.
Torque: 24 N·m (248 kgf·cm, 18 ft·lbf)

(e) Install the 2 wiper arm head caps.

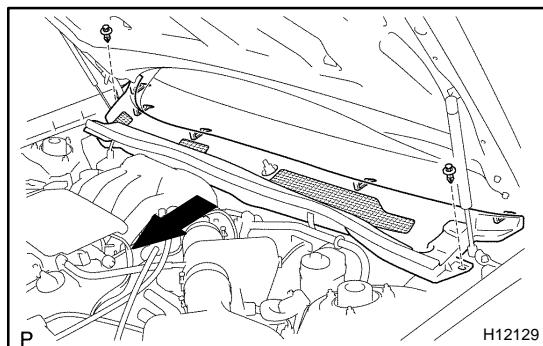
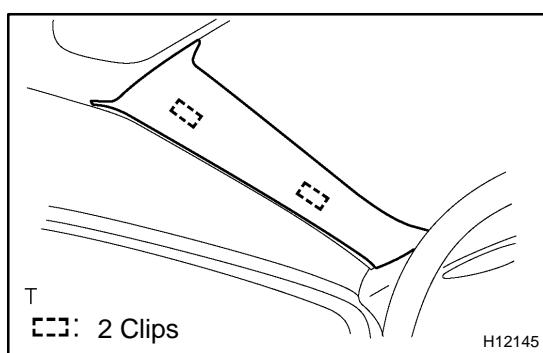
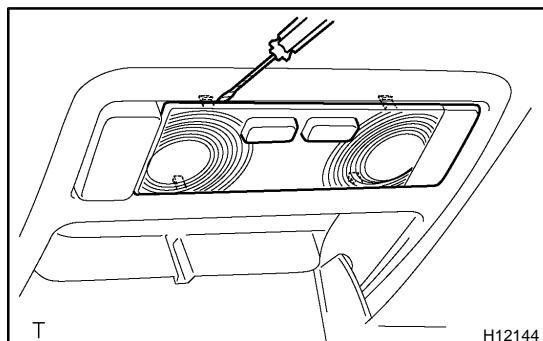
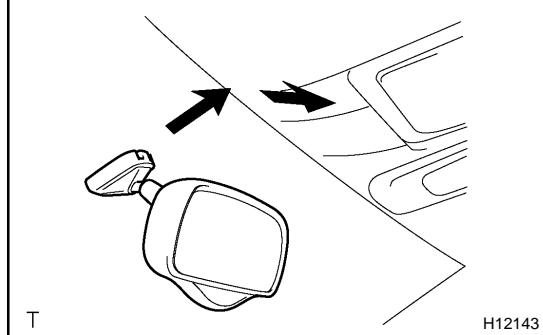
19. INSTALL FRONT PILLAR GARNISH
20. INSTALL FRONT DOOR OPENING TRIMS
21. INSTALL ROOF CONSOLE BOX
22. INSTALL SUN VISORS AND HOLDERS
23. INSTALL INNER REAR VIEW MIRROR

REMOVAL

1. **REMOVE INNER REAR VIEW MIRROR**
 - (a) w/ Electrochromic rear view mirror:
Using a screwdriver, remove the inner rear view mirror cover.

HINT:
Tape the screwdriver tip before use.

 - (b) w/ Electrochromic rear view mirror:
Disconnect the connector.
- (c) Remove the inner rear view mirror as shown in the illustration.



2. **REMOVE SUN VISORS AND HOLDERS**

3. **REMOVE ROOF CONSOLE BOX**
 - (a) Using a screwdriver, remove the map light lens.

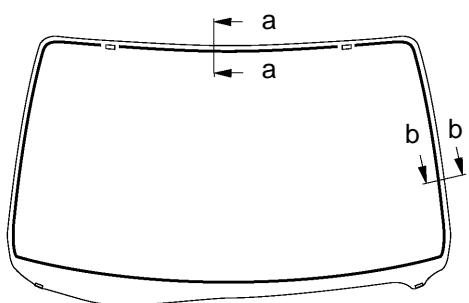
HINT:
Tape the screwdriver tip before use.

 - (b) Remove the 3 screws and roof console box, then disconnect the connector.

4. **REMOVE FRONT DOOR OPENING TRIMS**

5. **REMOVE FRONT PILLAR GARNISH**
 - (a) Remove the front pillar garnish.
 - (b) Employ the same manner described above to the other side.
6. **REMOVE WIPER ARMS**
7. **REMOVE HOOD TO COWL TOP SEAL**

8. **REMOVE COWL TOP VENTILATOR LOUVER**
 - (a) Using a clip remover, remove the 2 clips.
 - (b) Remove the cowl top ventilator louver as shown in the illustration.
9. **REMOVE ASSIST GRIP**
10. **w/ Sliding roof:
REMOVE SLIDING ROOF OPENING TRIM**

w/ Rain gutter:

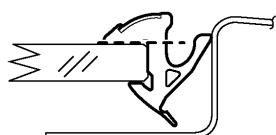
a - a

b - b



T

H12146

w/o Rain gutter:

T

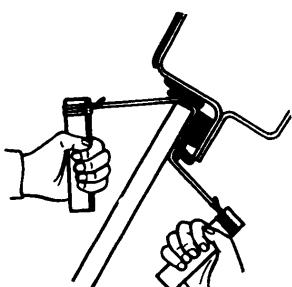
H12147

11. REMOVE WINDSHIELD UPPER MOULDING

- (a) Using a knife, cut off the moulding as shown.
- NOTICE:**
Do not damage the body with the knife.
- (b) Remove the remaining moulding.

HINT:

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

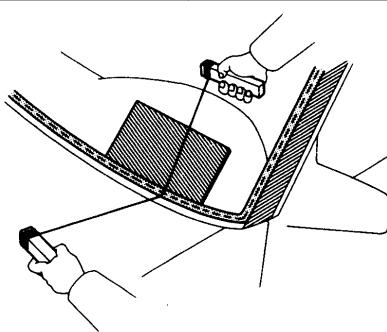


BO5232

NOTICE:

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

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



BO1689

NOTICE:

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