

CLIP

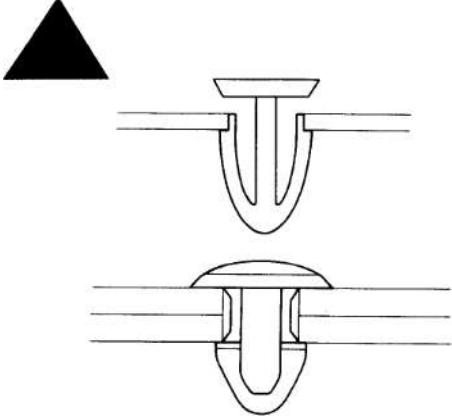
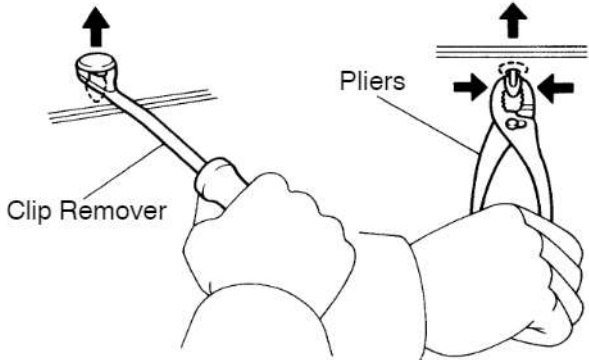
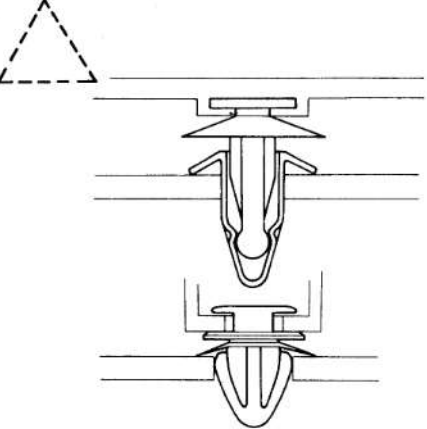
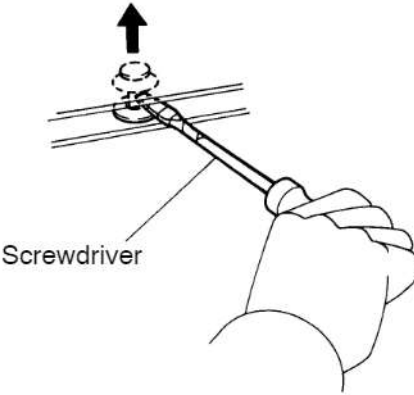
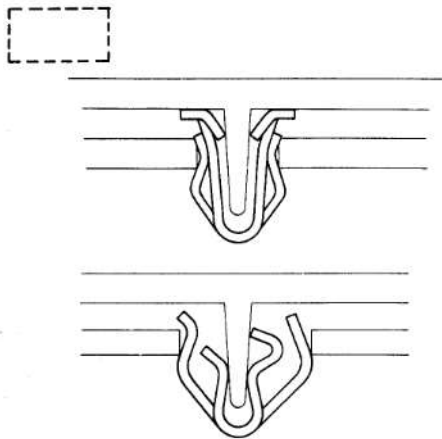
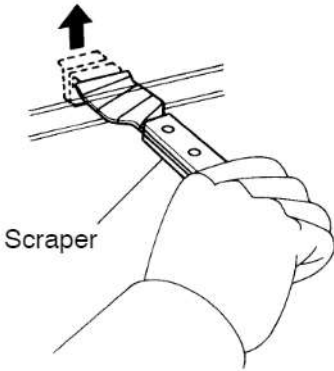
REPLACEMENT

B0020-14

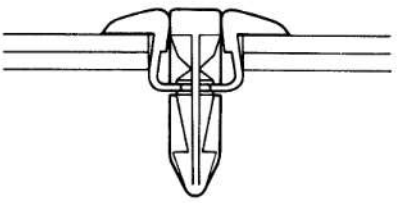
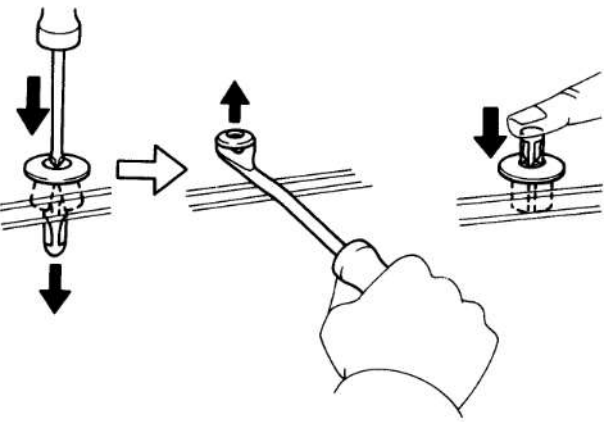
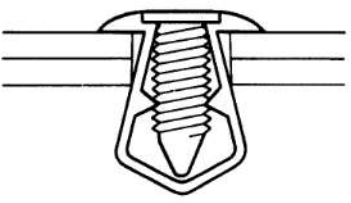
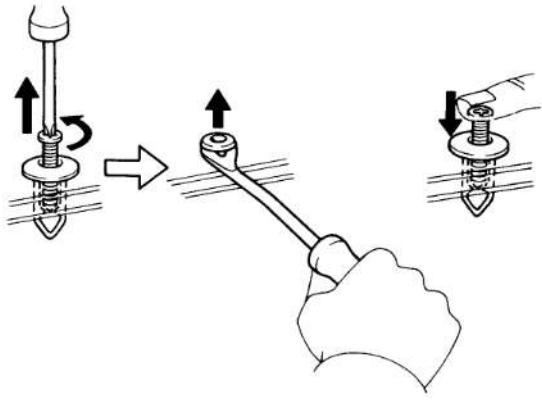
The removal and installation methods of typical clips used in body parts are shown in the table below.

HINT:

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

Shape (Example)	Removal/Installation
	 Clip Remover Pliers
	 Screwdriver
	 Scraper

V00005

Shape (Example)	Removal/Installation
	Removal Installation 
	Removal Installation 

V00012

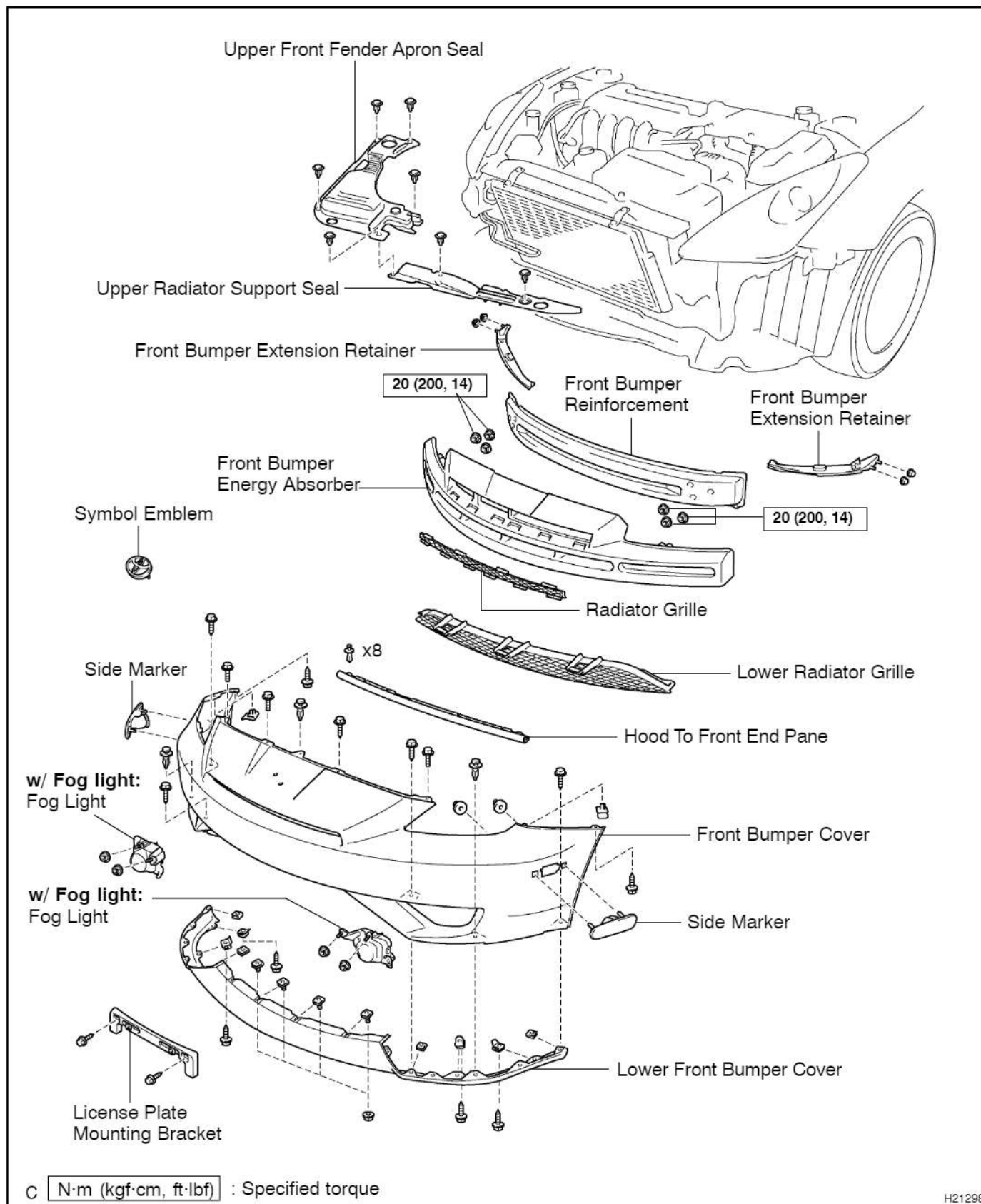
SRS AIRBAG PRECAUTION

B002P-08

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

FRONT BUMPER COMPONENTS

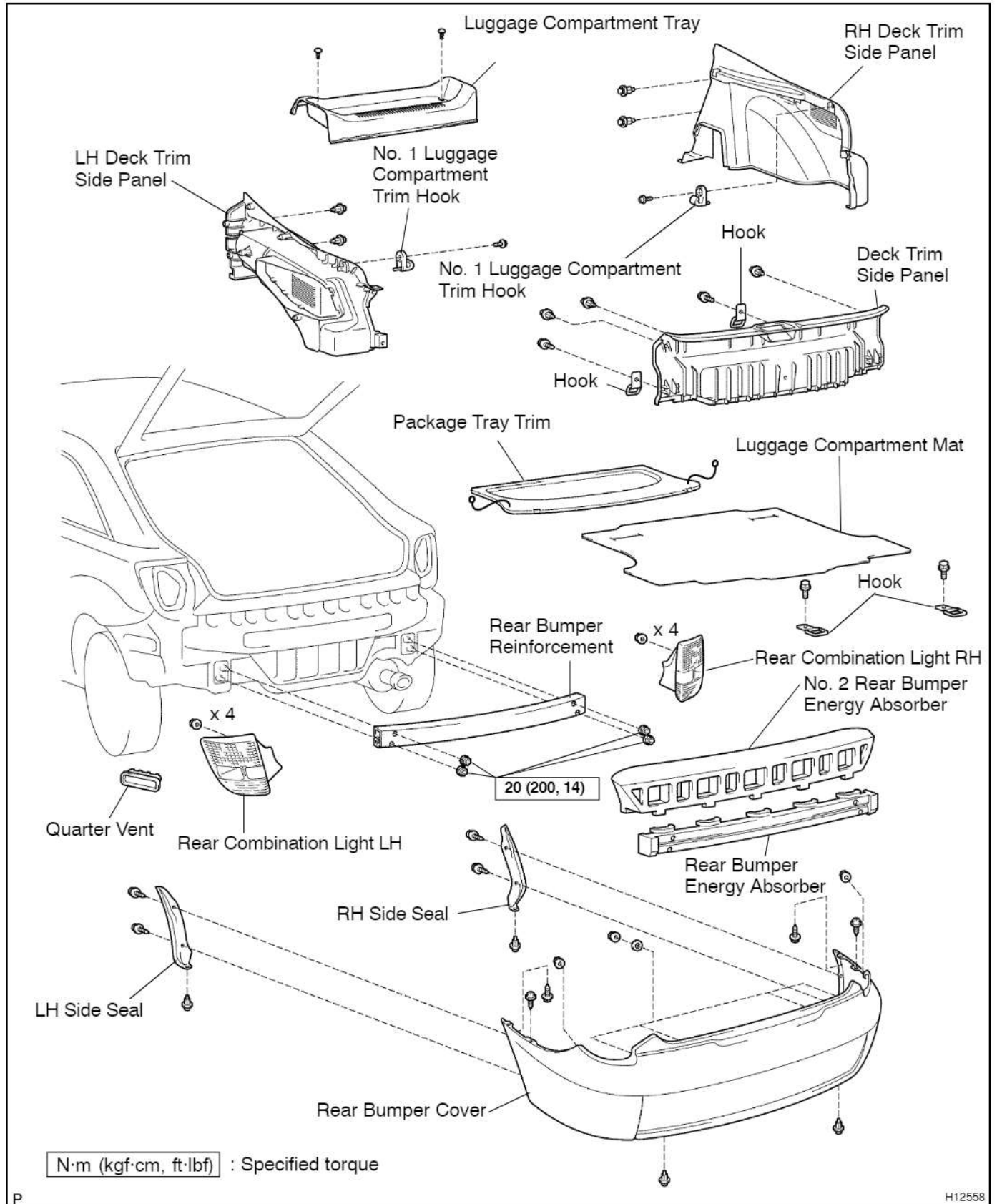
BO4J4-02



H21298

REAR BUMPER COMPONENTS

BO1DH-09

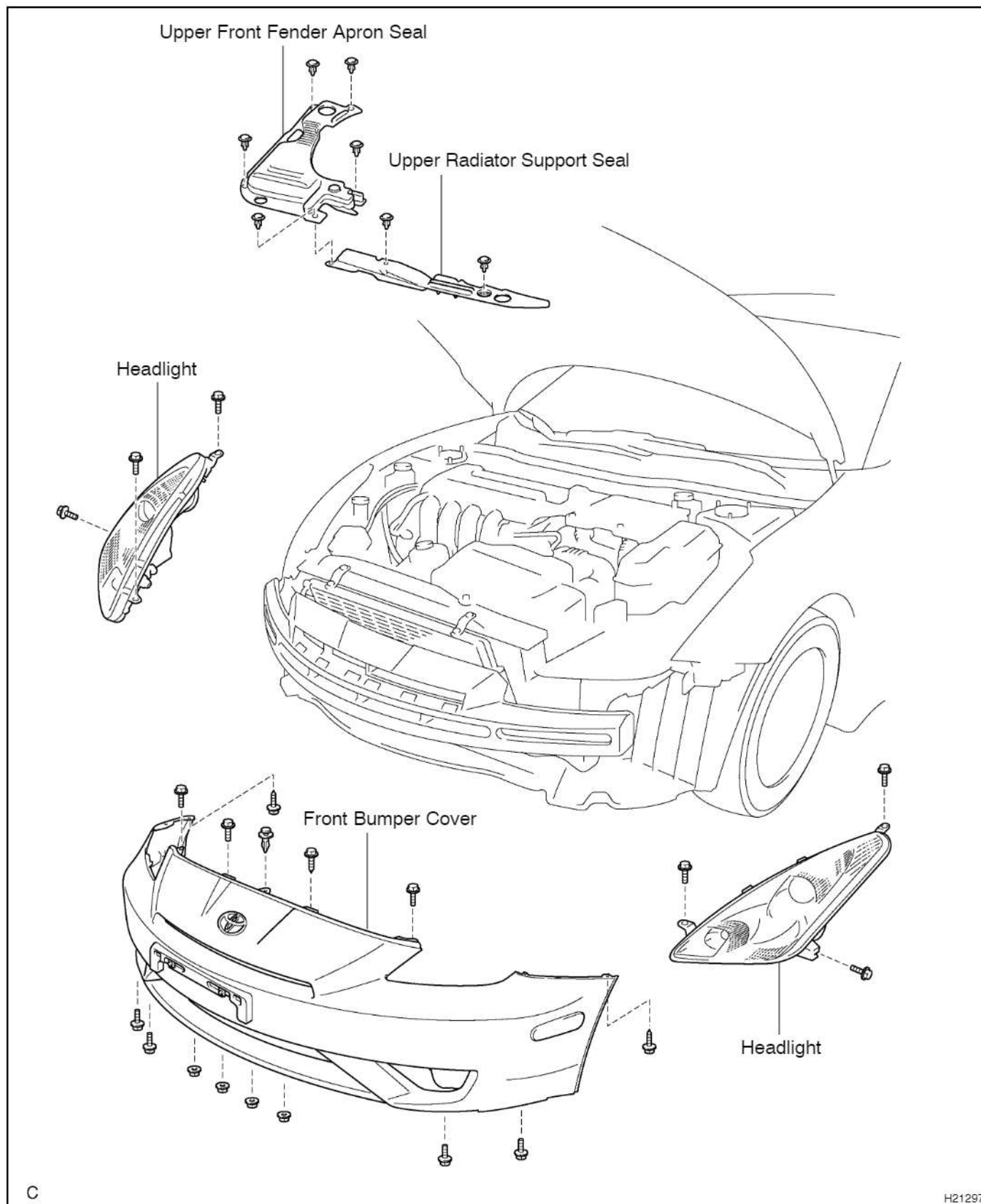


P

H12558

HEADLIGHT COMPONENTS

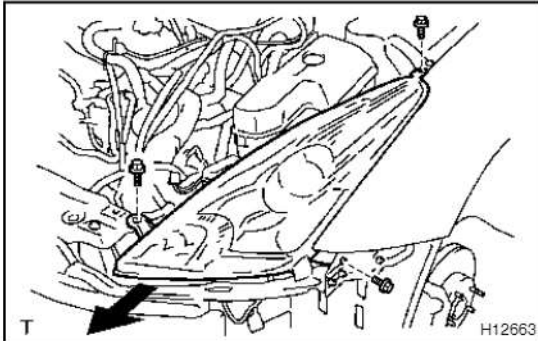
B02NB-09



REMOVAL

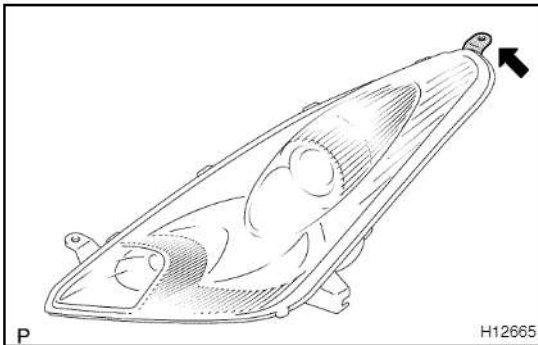
1. REMOVE UPPER FRONT FENDER APRON SEAL
2. REMOVE UPPER RADIATOR SUPPORT SEAL
3. REMOVE FRONT BUMPER COVER

(See page BO-4)



4. REMOVE HEADLIGHT

- (a) Remove the 3 bolts.
- (b) Disconnect the connectors, then remove the headlight as shown in the illustration.
- (c) The procedure for the other side is same as above.

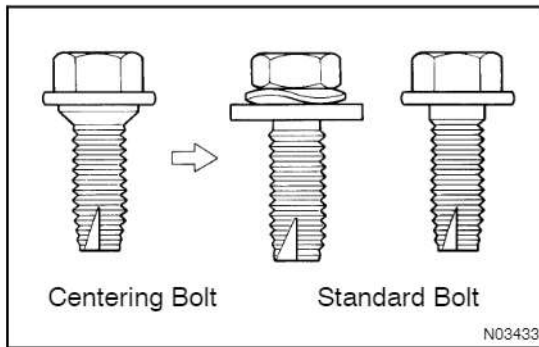


HINT:

At the time of installation, if the bracket in the illustration is damaged, replace it to a new one to install the headlight to the body. If the shown part of the headlight is damaged, the headlight can be reinstalled to the body by installing a bracket to it.

INSTALLATION

Installation is in the reverse order of removal (See page BO-6).

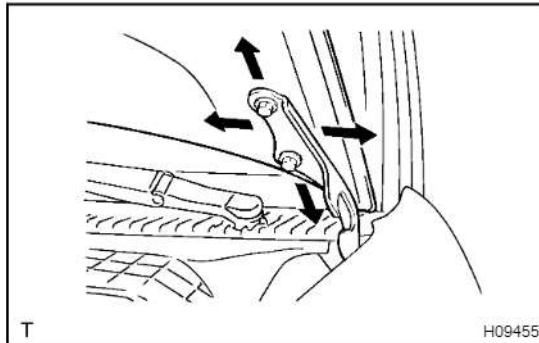


HOOD ADJUSTMENT

B02NE-08

HINT:

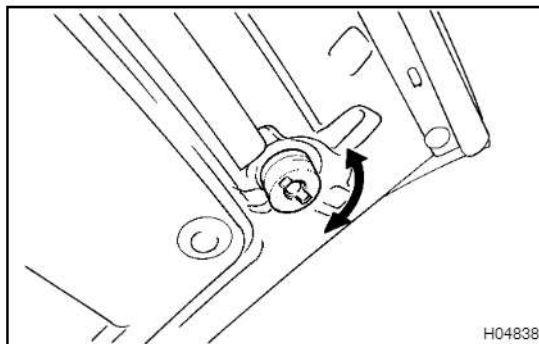
Since the centering bolt is used as the hood hinge and lock set bolt, the hood cannot be adjusted with it on. Substitute the standard bolt for the centering bolt.



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

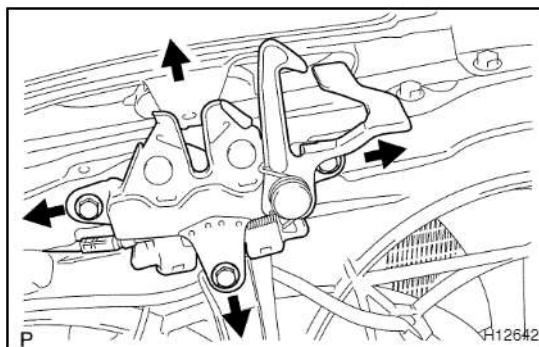
- (a) Adjust the hood by loosening the hood side hinge bolts.
- (b) Tighten the loosened bolts again.

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

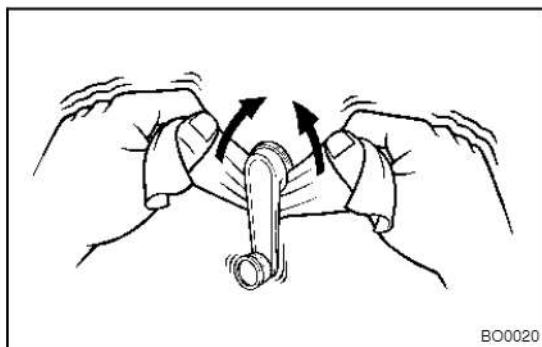
- (a) Remove the upper front fender opron seal.
- (b) Remove the upper radiator support seal.
- (c) Remove the radiator reservoir.
- (d) Adjust the hood lock by loosening the bolts.
- (e) Tighten the loosened bolts again.

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

- (f) Reinstall the removed parts.

5010-6-08



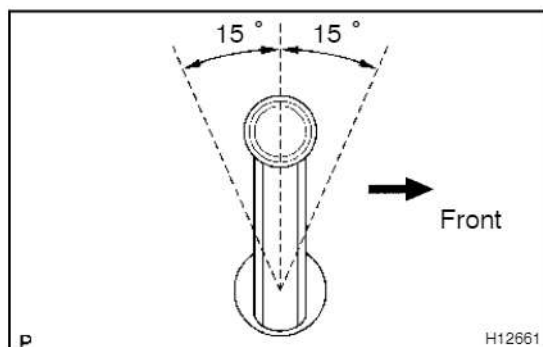


DISASSEMBLY

1. w/o Power window:

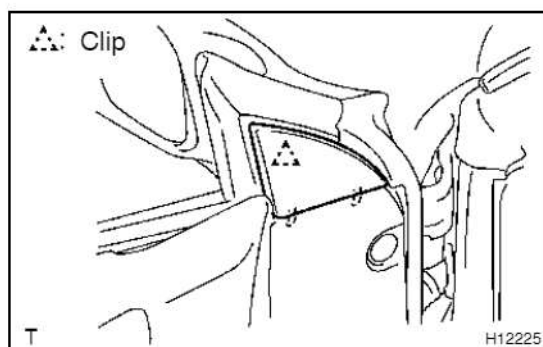
REMOVE REGULATOR HANDLE

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



HINT:

- At the time of reassembly, please refer to the following item.
- With door window fully closed, install the plate and regulator handle with the snap ring in the position within $\pm 15^\circ$ as shown in the illustration.

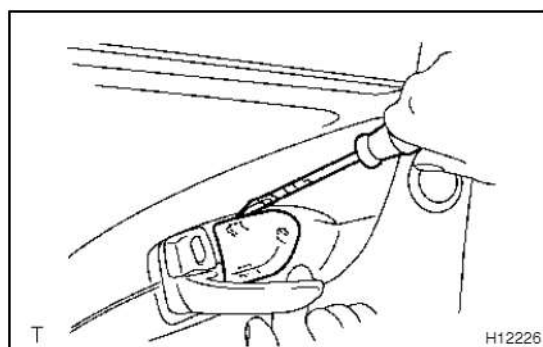


2. REMOVE LOWER FRAME BRACKET GARNISH

Using a screwdriver, remove the lower frame bracket garnish.

HINT:

Tape the screwdriver tip before use.

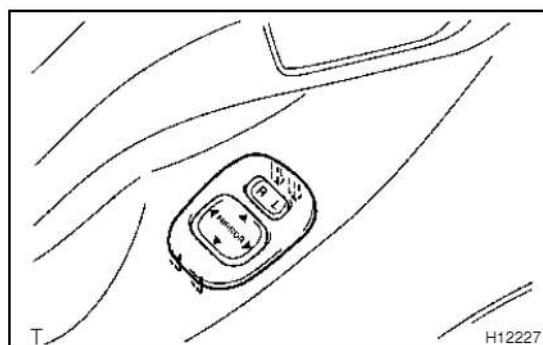


3. REMOVE NO. 2 DOOR INSIDE HANDLE BEZEL

Using a screwdriver, remove the No. 2 door inside handle bezel.

HINT:

Tape the screwdriver tip before use.

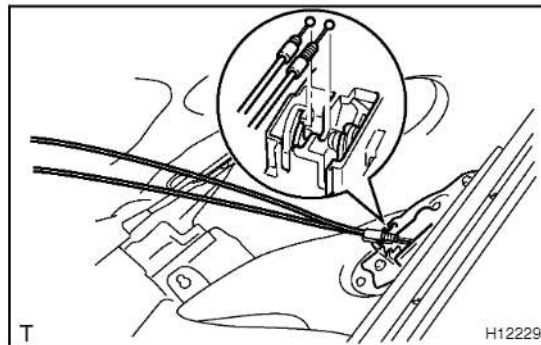
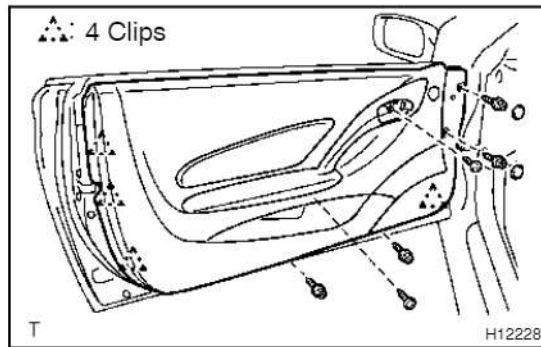


4. REMOVE REMOTE CONTROL MIRROR SWITCH

Using a screwdriver, remove the remote control mirror switch, then disconnect the connector.

HINT:

Tape the screwdriver tip before use.



5. REMOVE DOOR TRIM

- (a) Using a screwdriver, remove the 2 plug hole covers.

HINT:

Tape the screwdriver tip before use.

- (b) Remove the 6 screws.

- (c) Insert a screwdriver between the door panel and door trim to pry the trim out.

HINT:

Tape the screwdriver tip before use.

- (d) Pull the trim upward to remove it, then disconnect the locking cable and open cable from the door inside handle.

HINT:

- At the time of reassembly, please refer to the following items.
 - Check that a ball at the end of the locking cable is pressed. (The cable should be locked.)
 - Turn the locking knob of the inside handle fully to the lock side and install the locking cable.
- (e) Remove the screw and door inside handle from the door trim.
- (f) Using a screwdriver, remove the front door inner weather-strip from the door trim.

6. REMOVE DOOR SIDE AIRBAG SENSOR

NOTICE:

- If the wiring connector of the SRS is disconnected with the ignition switch in ON or ACC position, DTCs will be recorded.
- Never use SRS parts removed from another vehicle. When replacing parts, replace them with new ones.
- Never reuse the sensor involved in a collision where the SRS has deployed.
- Never repair a sensor in order to reuse it.

Disconnect the connector, then remove the 2 bolts and door side airbag sensor.

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

NOTICE:

- At the time of reassembly, please refer to the following items.
- Make sure the sensor is installed in the specified torque.
- If the sensor has been dropped, or there are cracks, dents or any other defects are identified in the case, brackets or connector, replace the sensor. Always replace the set bolts with new ones.
- The sensor set bolts have been anti-rust treated. When the sensor is removed, always replace the set bolts with new ones.
- After installation, shake the sensor to check that there is no looseness.

- The sensor is equipped with an electrical connection check mechanism. Be sure to lock this mechanism securely when connecting the connector. If not, a malfunction code may be detected by the diagnostic system.

7. REMOVE OUTSIDE REAR VIEW MIRROR

Torque: 8.3 N·m (85 kgf·cm, 74 in·lbf)

8. w/ Tweeter speaker:

REMOVE TWEETER SPEAKER

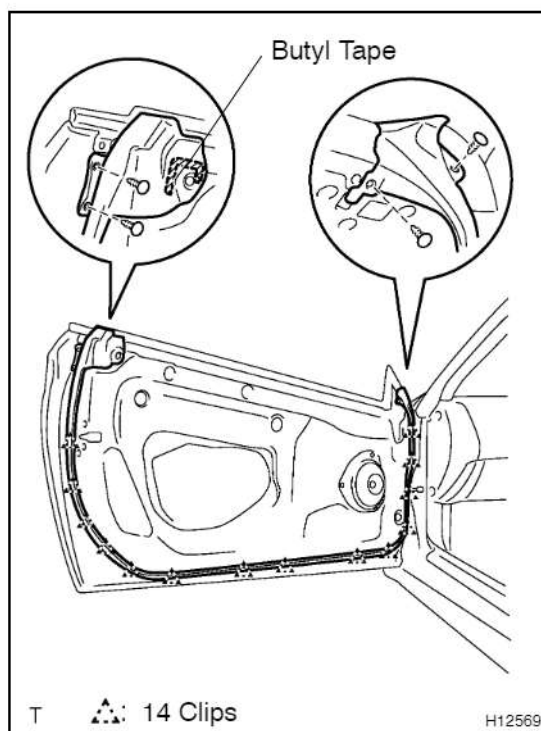
9. REMOVE SERVICE HOLE COVER

NOTICE:

Do not tear the cover.

HINT:

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



10. REMOVE FRONT DOOR WEATHERSTRIP

- (a) Using a clip remover, remove the 4 clips.

HINT:

Tape the screwdriver tip before use.

- (b) Using a clip remover, remove the front door weatherstrip.

HINT:

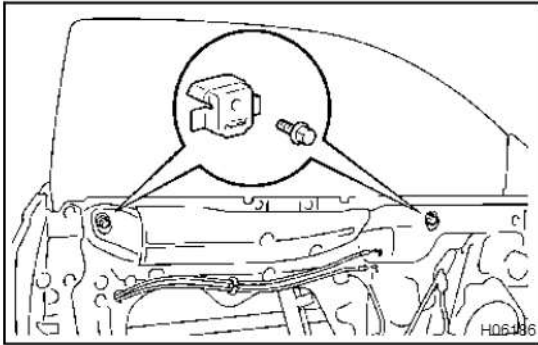
Tape the screwdriver tip before use.



11. REMOVE FRONT DOOR BELT MOULDING

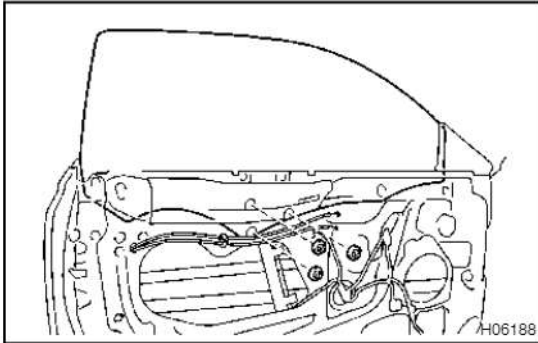
- (a) Remove the screw.

- (b) Using a moulding remover, remove the front door belt moulding.

**12. REMOVE UPPER WINDOW STOPS**

Remove the 2 bolts and 2 upper window stops.

Torque: 11 N·m (115 kgf·cm, 8 ft·lbf)

**13. REMOVE DOOR GLASS**

(a) Close the door glass until the nuts appear in the service hole.

(b) Remove the 3 nuts.

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

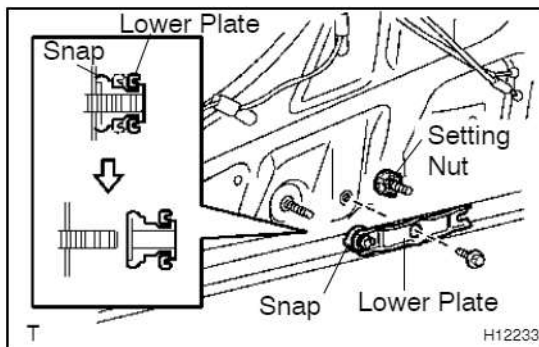
(c) Take the door glass out of the panel carefully.

NOTICE:

Be careful not to drop the door glass.

HINT:

- At the time of reassembly, please refer to the following item.
- Insert a shop rag inside the panel to prevent the glass from being scratched.

**14. REMOVE WINDOW REGULATOR**

(a) Remove the bolt of lower plate.

Torque: 4.9 N·m (50 kgf·cm, 43 in·lbf)

(b) Unlock the snap by pulling the lower plate.

(c) Remove the snap and lower plate from the stud bolt of lower bracket.

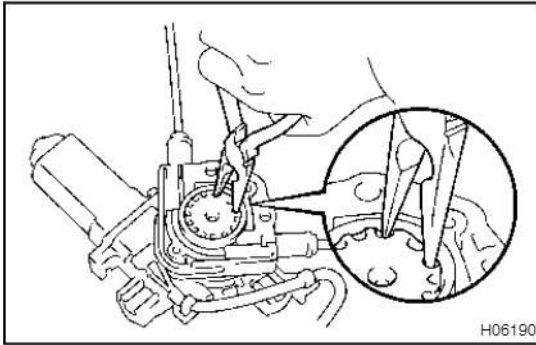
(d) Remove the setting nut.

(e) w/ Power window:

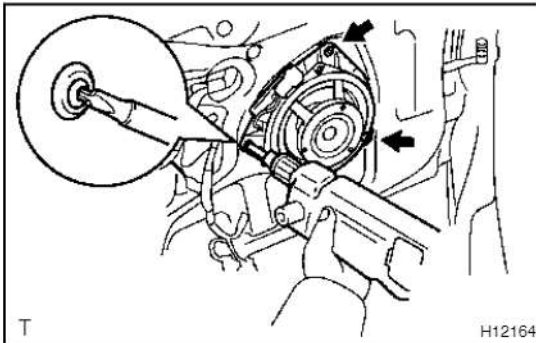
Disconnect the connector.

(f) Remove the 5 nuts and window regulator.

Torque: 8.3 N·m (85 kgf·cm, 74 in·lbf)

**15. w/ Power window:****If replacing the window regulator:****REMOVE WINDOW REGULATOR FROM MOTOR**

- (a) Remove the 2 screws and cover plate.
- (b) Using needle nose pliers, remove the drum and wire guide from the motor.

NOTICE:**Do not use a screwdriver etc. to remove them.****16. REMOVE SPEAKER**

- (a) Using a rivet cutter and drill, drill out the rivets and remove the speaker.

HINT:

Even if flanges are taken off, continue drilling and push out remaining flangments with the drill.

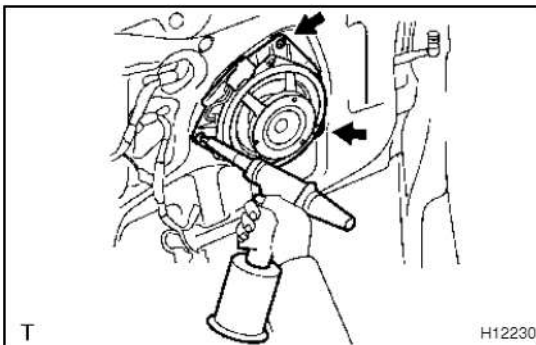
- (b) Disconnect the connector.
- (c) Using a vacuum cleaner, remove the drilled rivets and the associated metallic dust from the inside of the door panel.

CAUTION:**Do not touch the cut rivets and rivet cutter as they will be not.****NOTICE:**

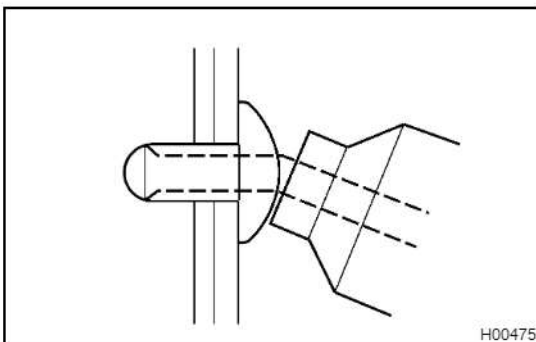
- Do not jiggle the rivet cutter while cutting.
- Otherwise you may enlarge the rivet hole or damage the rivet cutter.

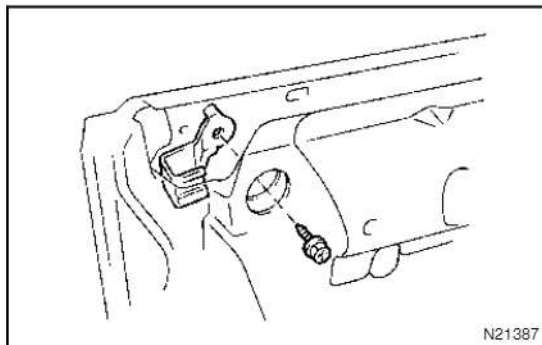
HINT:

Do not drill the door inner hole.

**HINT:**

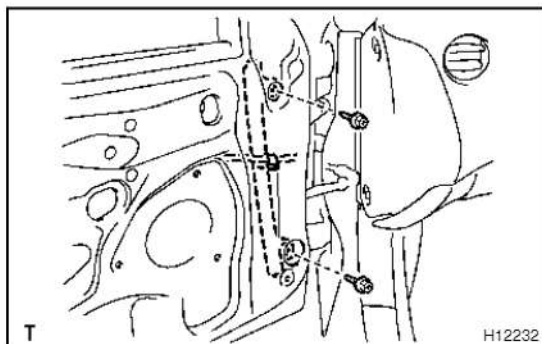
At the time of reassembly, please refer to the following item. Using an air riveter, strike rivets into the door panel to install the speaker to the door panel.

**NOTICE:****At the time of reassembly, please refer to the following item.****If the rivets are not positioned perpendicular to the assembled surface the mandrel will be bent. If the trigger is pulled in this condition, the air riveter may be also damaged.**

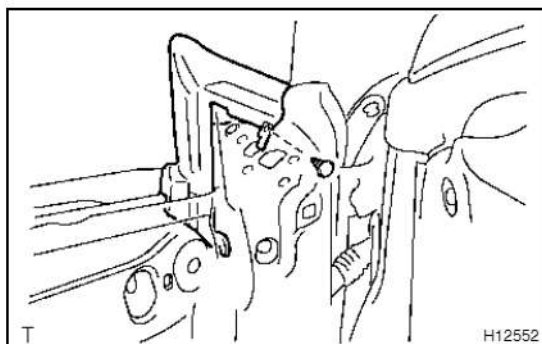
**17. REMOVE DOOR GLASS FEMALE STABILIZER**

Remove the screw and door glass female stabilizer.

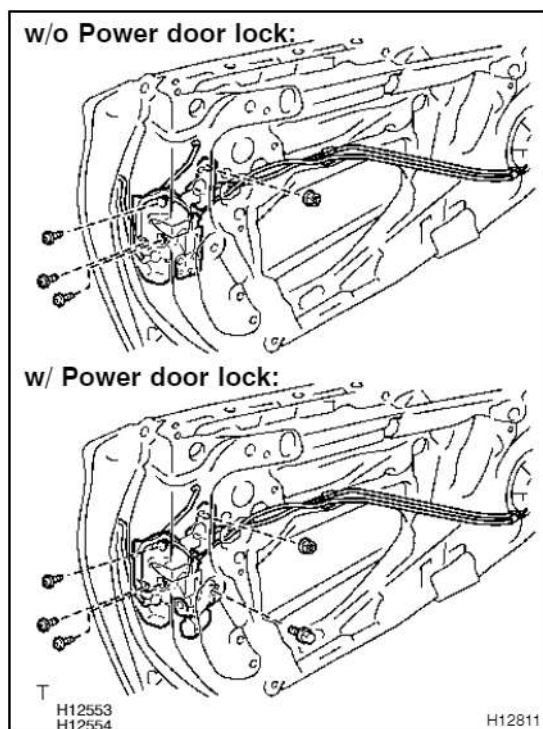
Torque: 4.9 N·m (50 kgf·cm, 43 in·lbf)

**18. REMOVE FRONT LOWER FRAME**

- Remove the 2 screws.
- Disengage the clamp of door wire harness from the front lower frame.
- Remove the front lower frame through the service hole.
- Remove the door glass run from the lower frame.

**19. REMOVE FRONT DOOR NO. 2 WEATHERSTRIP**

- Using a clip remover, remove the clip.
- Remove the front door No. 2 weatherstrip.

**20. REMOVE DOOR LOCK**

- Disconnect the 2 links from the outside handle and key cylinder.

- w/o Power door lock:

Remove the nut and 3 screws.

Torque:

Nut: 5.4 N·m (55 kgf·cm, 48 in·lbf)

Screw: 4.9 N·m (50 kgf·cm, 43 in·lbf)

- w/ Power door lock:

Disconnect the connector and remove the bolt, nut and 3 screws.

Torque:

Nut: 5.4 N·m (55 kgf·cm, 48 in·lbf)

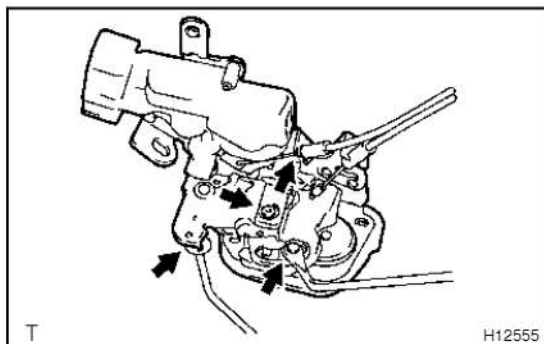
Bolt, Screw: 4.9 N·m (50 kgf·cm, 43 in·lbf)

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 door lock through the service hole.
- (e) Remove the door lock link clamp.

**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.

21. 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.

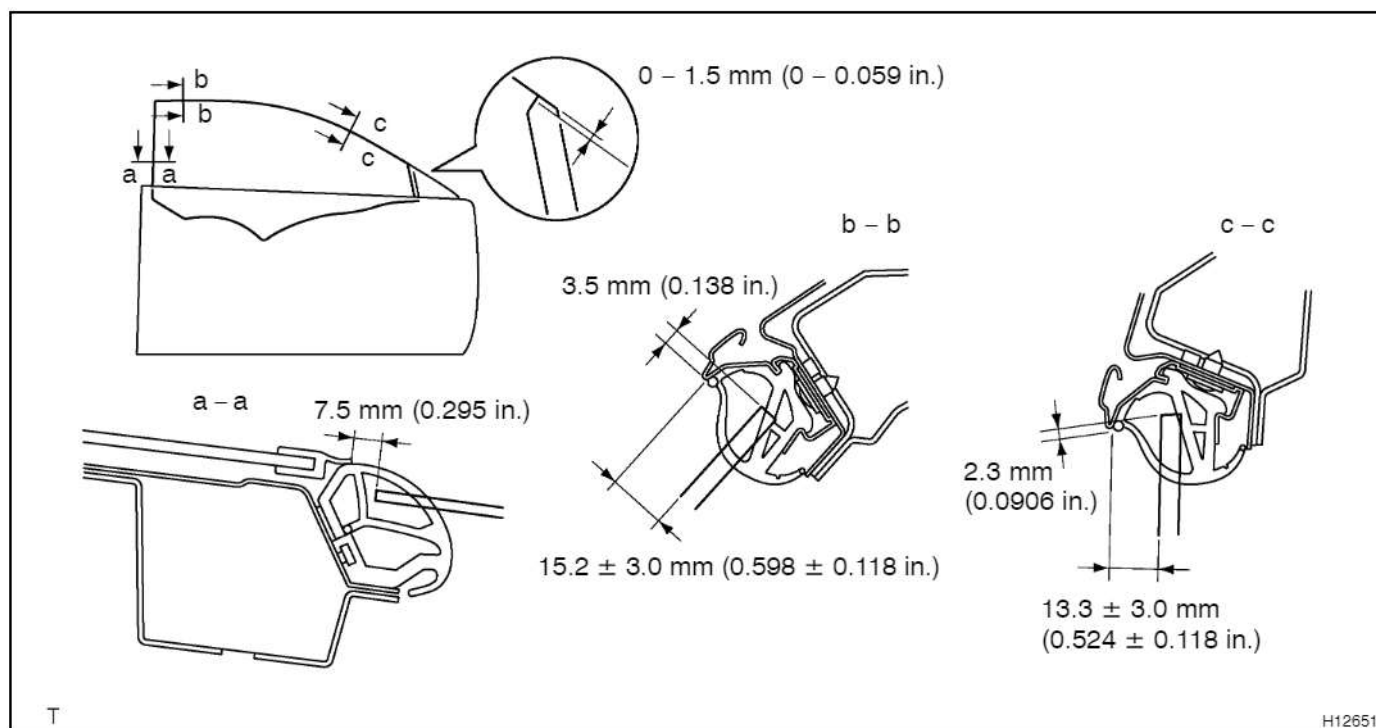
Torque: 5.4 N·m (55 kgf·cm, 48 in·lbf)

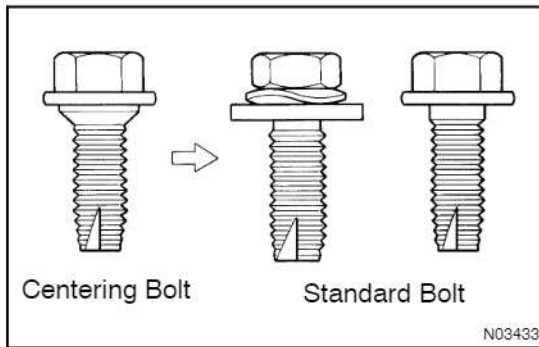
INSPECTION

INSPECT FRONT DOOR GLASS

Check the following. If the conditions are not met, readjust the glass.

- (1) When you close the door with the glass fully closed, the a-a, b-b, c-c sections are in the same condition as shown in the illustration.
- (2) When you close the door with the glass fully closed, check that the weatherstrip is not pinched and that the door glass is not in contact with the roof drip moulding.
- (3) When the door glass is fully closed, check that the outside edge of the door glass is in contact with the weatherstrip at the front pillar and roof side and that the edge of the glass cannot be seen.
- (4) Check that the door glass is not loose when it is half open.
- (5) When the door glass is rising up, check that the door glass and roof side weatherstrip are parallel and that the door glass contacts the 2 upper stops.
- (6) Check that the door glass moves up and down smoothly over all areas.



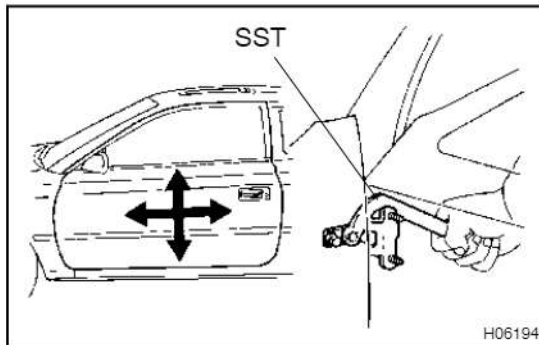


ADJUSTMENT

1. FRONT DOOR ADJUSTMENT

HINT:

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

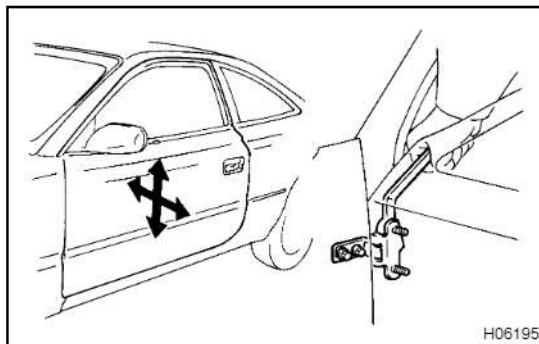


- (a) Adjust the front door in forward/rearward and vertical directions.

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

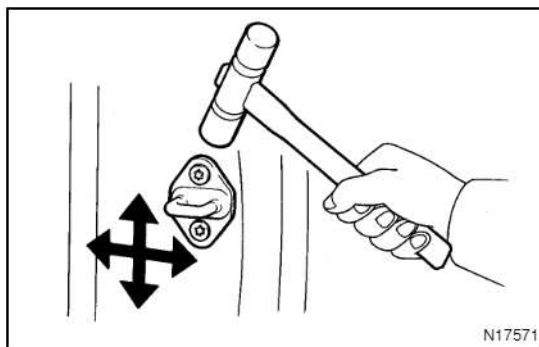
SST 09812-00010

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



- (b) Adjust the front door in left/right and vertical directions. Adjust the door by loosening the door side hinge bolts.

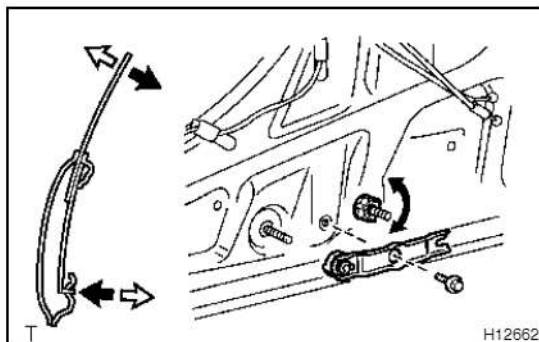
Torque: 25 N·m (260 kgf·cm, 19 ft·lbf)



- (c) Adjust front door lock striker.

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

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

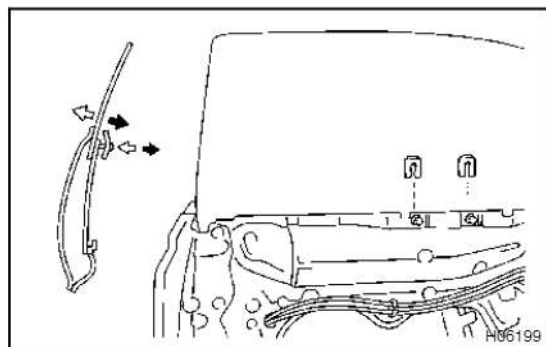


2. ADJUST FRONT DOOR GLASS

- (a) Adjust the upper part of the glass inward/outward.

- (1) Remove the bolt and lower plate.
- (2) Pull the lower plate so that the snap is unlocked.
- (3) Remove the snap and lower plate.
- (4) Adjust the glass by turning the setting nut.
- (5) Reinstall the lower plate, snap and bolt.

Torque: 4.9 N·m (50 kgf·cm, 43 in·lbf)



- (b) Adjust the lower part of the glass inward/outward.
- (1) Loosen the 2 nuts on the top of the window regulator.
 - (2) Insert the shim to adjust the glass position (inside/outside).

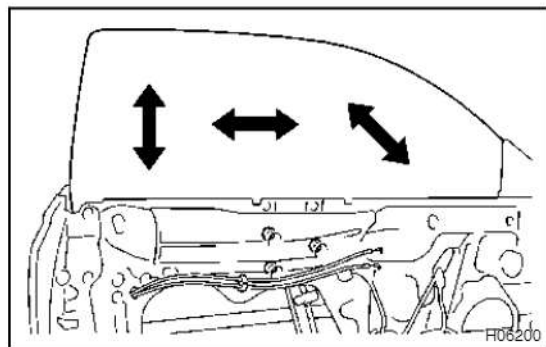
Shim thickness:

1.0 mm (0.039 in.)

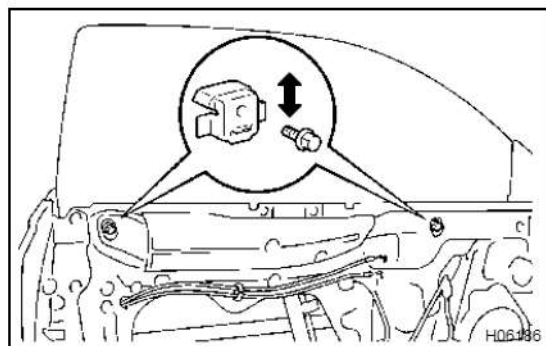
2.0 mm (0.079 in.)

- (3) Tighten the nuts.

Torque: 8.3 N·m (85 kgf·cm, 69 in.·lbf)



- (c) Adjust the glass to the proper position (forward/rearward).
Loosen the 3 nuts of the carrier plate for adjustment.



- (d) Adjust the glass to the proper position vertically. (With the glass fully closed).
Adjust the door window upper stops.

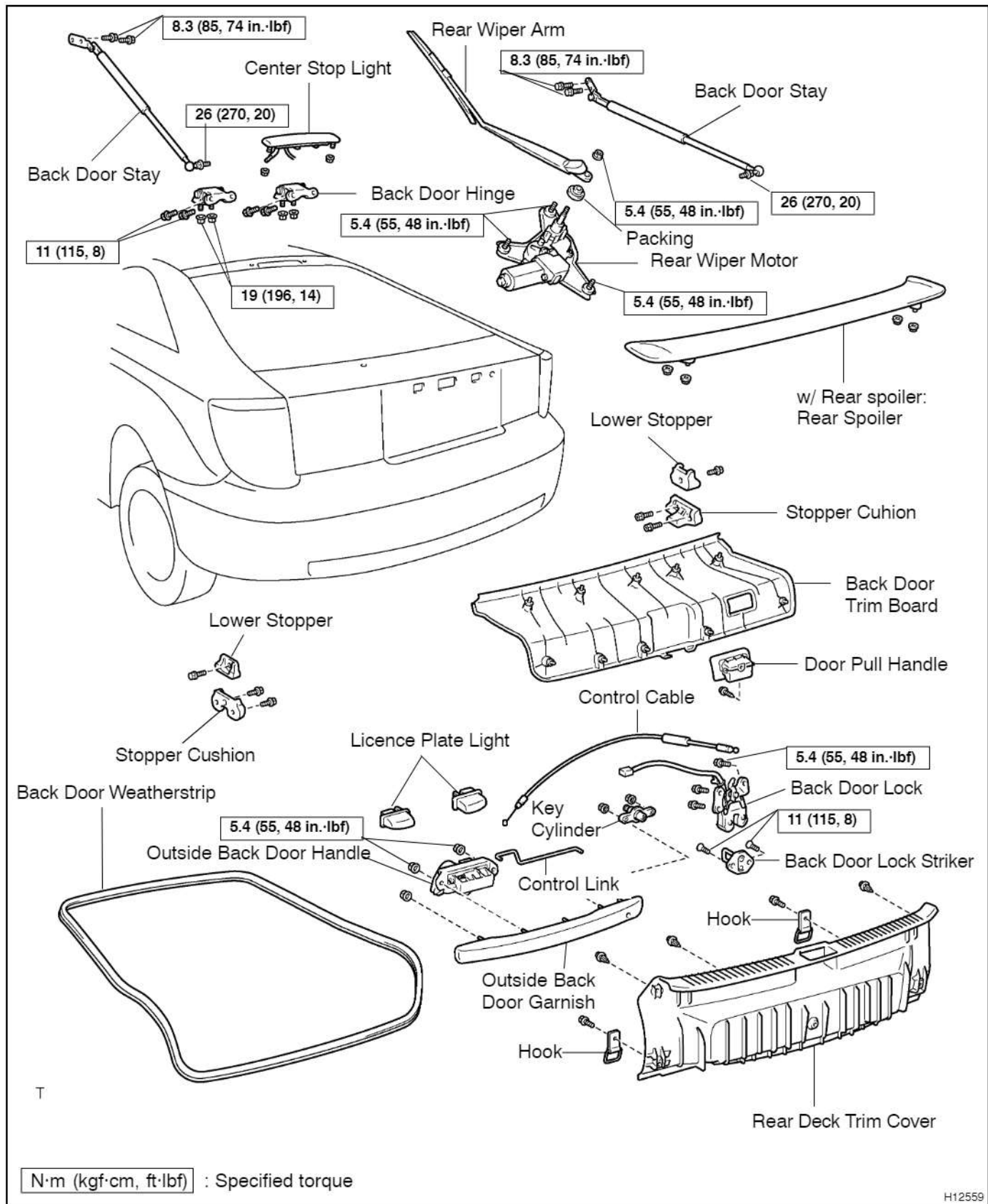
Torque: 11 N·m (115 kgf·cm, 8 ft·lbf)

REASSEMBLY

Reassembly is in the reverse order of disassembly (See page BO-11).

BACK DOOR COMPONENTS

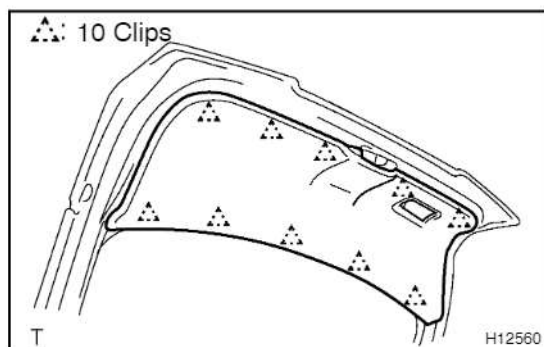
B01DO-05



H12559

DISASSEMBLY

1. w/ Rear spoiler:
REMOVE REAR SPOILER
2. **REMOVE DOOR PULL HANDLE**



3. REMOVE BACK DOOR TRIM BOARD

Using a screwdriver, remove the back door trim board.

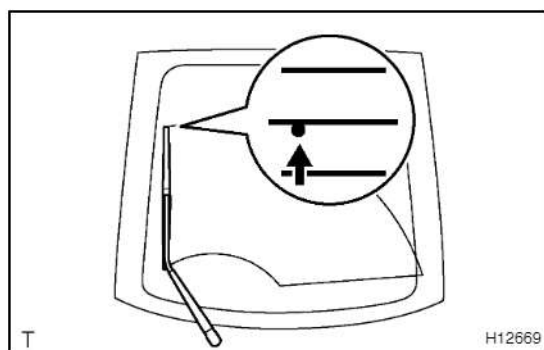
HINT:

Tape the screwdriver tip before use.

4. REMOVE REAR WIPER ARM

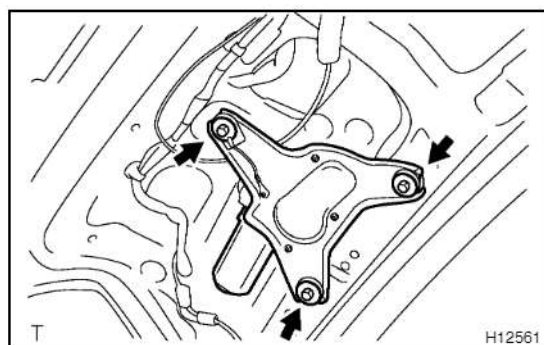
HINT:

- At the time of reassembly, please refer to the following items
- Operate the wiper motor once and turn the wiper switch OFF.
- Install the rear wiper arm and tighten the nut by hand.



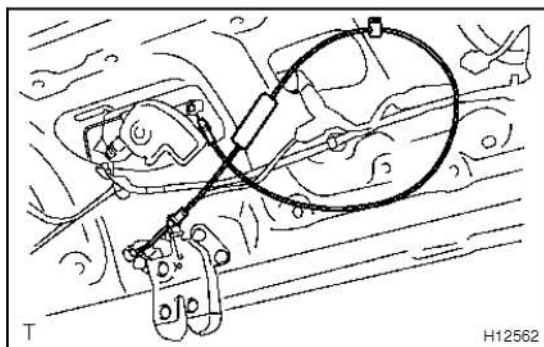
- Adjust the installation position of the wiper arm at a point in defogger pattern.
- Tighten the nut.

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



5. REMOVE REAR WIPER MOTOR

- (a) Disconnect the connector.
- (b) Unfasten the 3 bolts and remove the rear wiper motor.
Torque: 5.4 N·m (55 kgf·cm, 48 in·lbf)
- (c) Remove the packing.

**6. REMOVE CONTROL CABLE**

- (a) Disconnect the cable from the back door lock.
- (b) Disconnect the cable from the outside back door handle.
- (c) Remove the clamp and control cable.

7. REMOVE BACK DOOR LOCK

- (a) Remove the wire harness clamp from the door lock.
- (b) Remove the 3 bolts and back door lock.

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

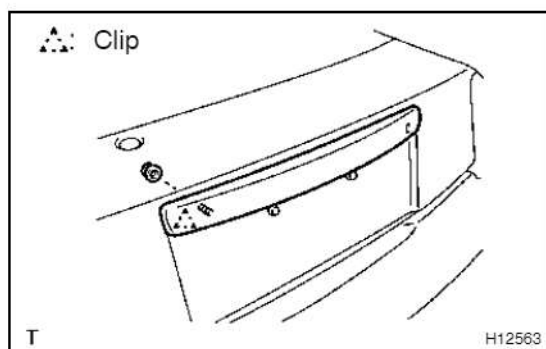
- (c) Disconnect the connector.

8. REMOVE KEY CYLINDER

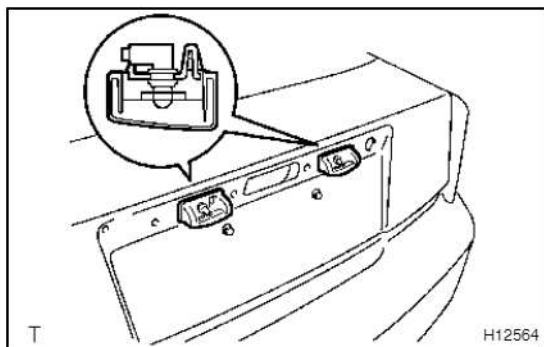
- (a) Disconnect the control link.
- (b) Remove the 2 nuts and key cylinder.

9. REMOVE OUTSIDE BACK DOOR HANDLE

- (a) w/ Power door lock:
Disconnect the connector.
- (b) Remove the 2 nuts and outside back door handle.
Torque: 5.4 N·m (55 kgf·cm, 48 in·lbf)
- (c) Remove the control link from the outside back door handle.

**10. REMOVE OUTSIDE BACK DOOR GARNISH**

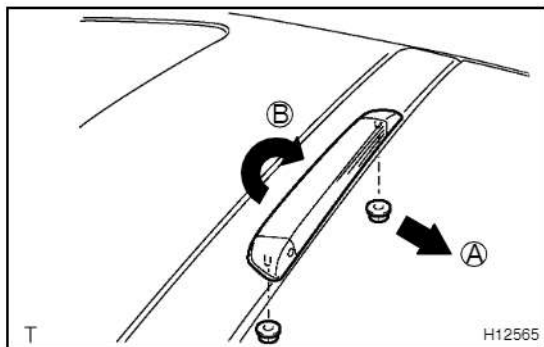
- (a) Remove the nut.
- (b) Remove the outside back door garnish by compressing clip from the inside to disengage them.

**11. REMOVE LICENSE PLATE LIGHTS**

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

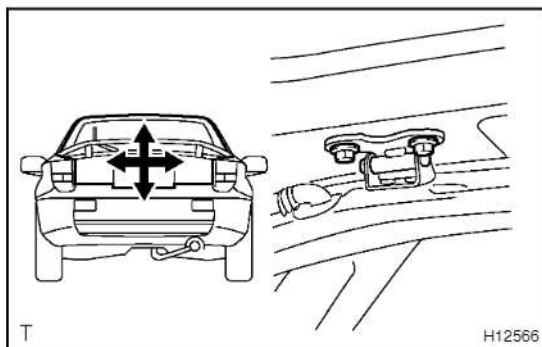
HINT:

Tape the screwdriver tip before use.

**12. REMOVE CENTER STOP LIGHT**

- (a) Remove the 2 nuts.
- (b) Disconnect the connector and washer hose, then remove the center stop light in order A, B as shown in the illustration..

13. REMOVE BACK DOOR WEATHERSTRIP

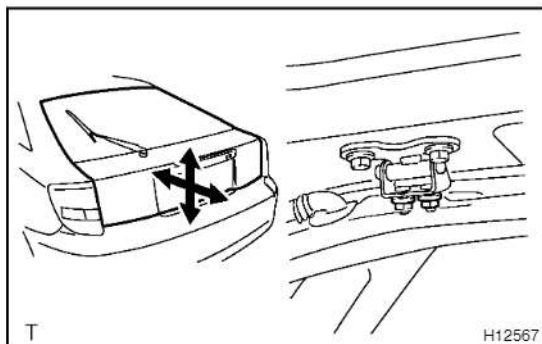


ADJUSTMENT

1. ADJUST DOOR IN LEFT/RIGHT AND VERTICAL DIRECTIONS

Loosen the door side hinge bolts to adjust.

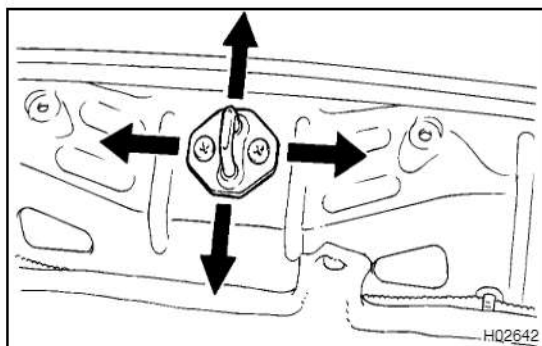
Torque: 11 N·m (115 kgf·cm, 8 ft·lbf)



2. ADJUST DOOR IN FORWARD/REARWARD AND VERTICAL DIRECTIONS

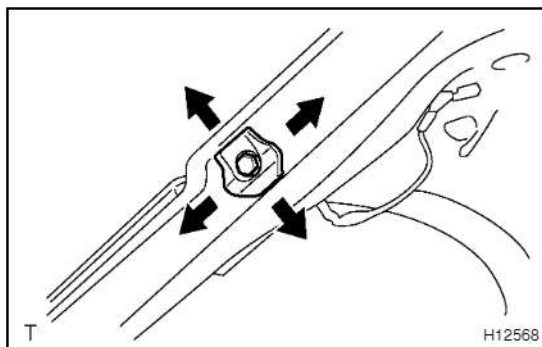
Loosen the body side hinge bolts and nuts to adjust.

Torque: 19 N·m (196 kgf·cm, 14 ft·lbf)



3. ADJUST DOOR LOCK STRIKER

- Check that the door fit and door linkages are adjusted correctly.
- Remove the luggage compartment mat.
- Remove the 2 hooks and rear deck trim cover.
- Loosen the striker mounting screws.
Torque: 11 N·m (115 kgf·cm, 8 ft·lbf)
- Using a plastic hammer, tap the striker to adjust.
- Reinstall the rear deck trim cover and 2 hooks.



4. ADJUST LOWER STOPPER

Loosen the stopper mounting bolts to adjust.

REASSEMBLY

Reassembly is in the reverse order of disassembly (See page BO-23).

BACK DOOR STAY REPLACEMENT

BO2NF-02

1. REMOVE BACK DOOR STAY

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

HINT:

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

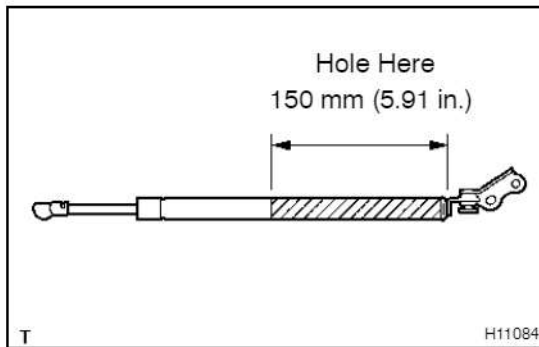
- (b) Remove the 2 bolts and back door stay from the body.

2. IF NECESSARY, REPLACE BACK DOOR STAY

NOTICE:

When handling the back door stay

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



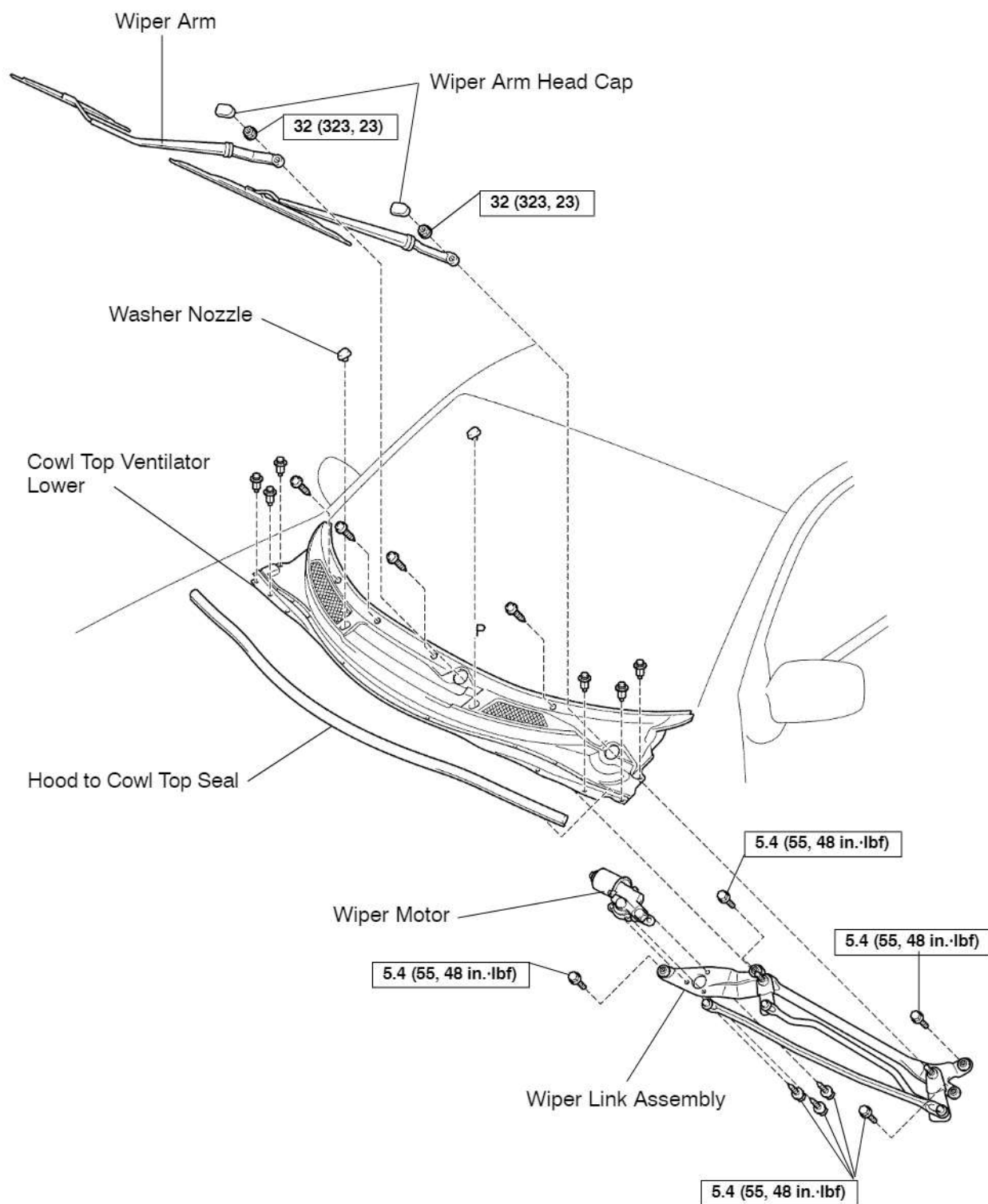
- If the back door stay is to be replaced, drill a 2.0 – 3.0 mm (0.079 – 0.118 in.) hole in the bottom of the back door stay as shown in the illustration to completely release the high-pressure gas before disposing of it.
- When drilling, chips may fly out so work carefully.
- The gas is colorless, odorless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

3. INSTALL BACK DOOR STAY

- (a) Install the 2 bolts and back door stay to the body.
Torque: 8.3 N·m (85 kgf·cm, 74 in·lbf)
- (b) Install the bolt and back door stay to the back door panel.
Torque: 26 N·m (270 kgf·cm, 20 ft·lbf)

FRONT WIPER AND WASHER COMPONENTS

B010T-07



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

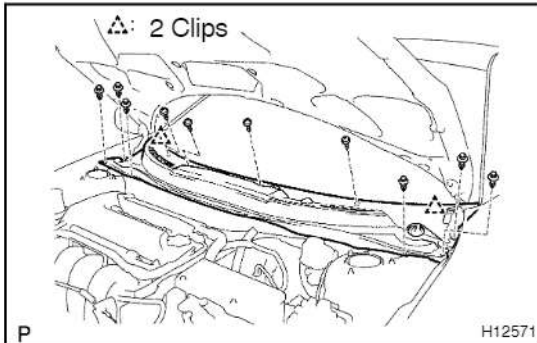
H12570

REMOVAL

1. REMOVE WIPER ARMS

Remove the 2 wiper arm head caps, 2 nuts and 2 wiper arms.

2. REMOVE HOOD TO COWL TOP SEAL



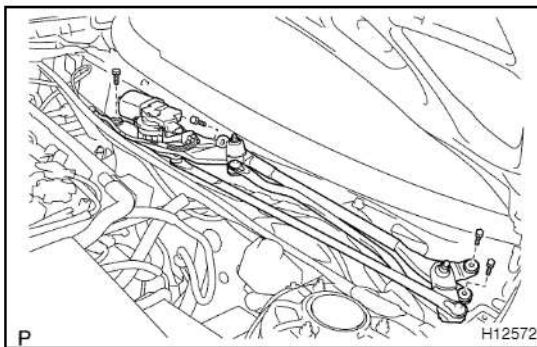
3. REMOVE COWL TOP VENTILATOR LOUVER

- Remove the 4 screws and 6 clips.
- Using a screwdriver, remove the cowl top ventilator louver, then disconnect the washer hoses.

HINT:

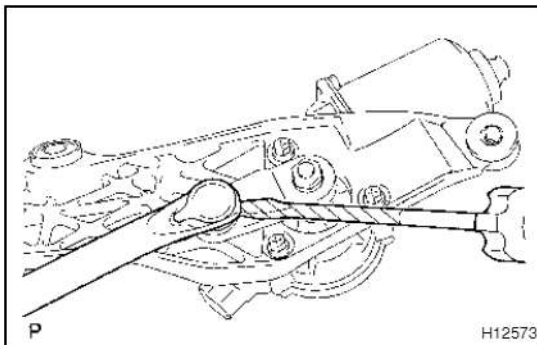
Tape the screwdriver tip before use.

- Remove the 2 washer nozzles from the cowl top ventilator louver.



4. REMOVE WIPER MOTOR AND LINK ASSEMBLY

- Disconnect the connector.
- Remove the 4 bolts and wiper motor and link assembly.

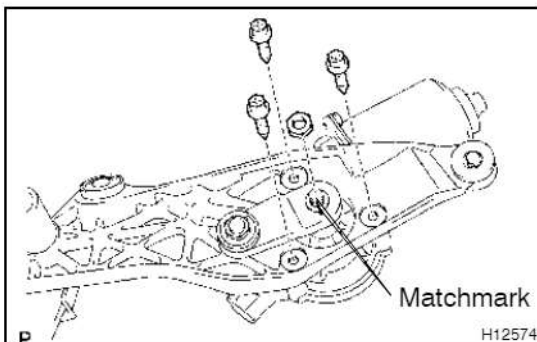


5. REMOVE WIPER MOTOR

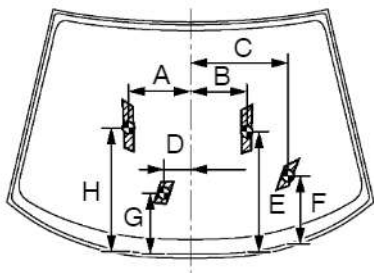
- Using a screwdriver, disconnect the wiper link from the motor.

HINT:

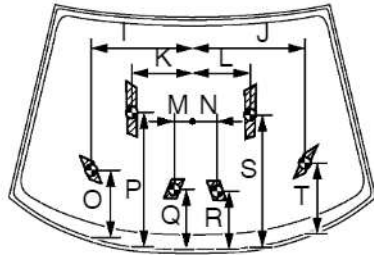
Tape the screwdriver tip before use.



- Remove the nut.
- Place the matchmarks on the wiper link and motor.
- Remove the 3 screws and wiper motor from the wiper link.

2 Jet nozzle:

T

3 Jet nozzle:

T

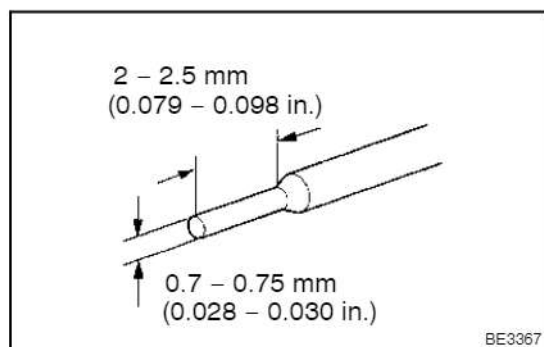
H12667
H12668

H13146

INSPECTION**INSPECT WASHER NOZZLE**

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

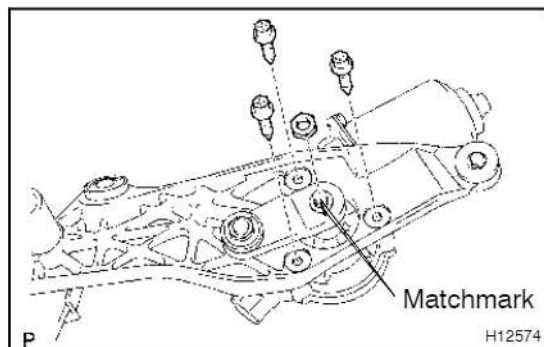
- A: 241.9 mm (9.524 in.)
- B: 219.6 mm (8.646 in.)
- C: 381.2 mm (15.008 in.)
- D: 102.8 mm (4.047 in.)
- E: 467.9 mm (18.421 in.)
- F: 265.6 mm (10.457 in.)
- G: 236.3 mm (9.303 in.)
- H: 475.0 mm (18.701 in.)
- I: 39 mm (1.524 in.)
- J: 439.6 mm (17.307 in.)
- K: 237.3 mm (9.343 in.)
- L: 225.2 mm (8.866 in.)
- M: 69.8 mm (2.748 in.)
- N: 94.4 mm (3.717 in.)
- O: 258.2 mm (10.165 in.)
- P: 517.5 mm (20.374 in.)
- Q: 234.2 mm (9.220 in.)
- R: 228.3 mm (8.988 in.)
- S: 513.3 mm (20.209 in.)
- T: 276.6 mm (10.890 in.)



ADJUSTMENT

ADJUST FRONT WASHER NOZZLE

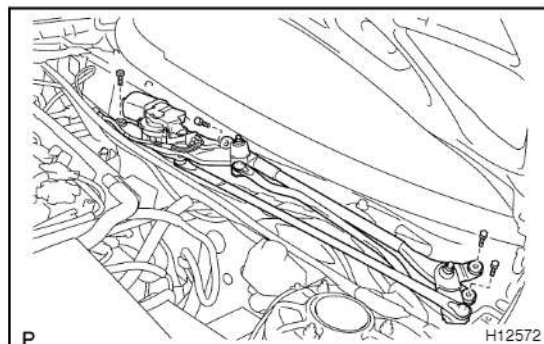
Using a tool like the one shown in the illustration, change the direction of the nozzle hole to adjust the point where washer fluid hits the windshield.



INSTALLATION

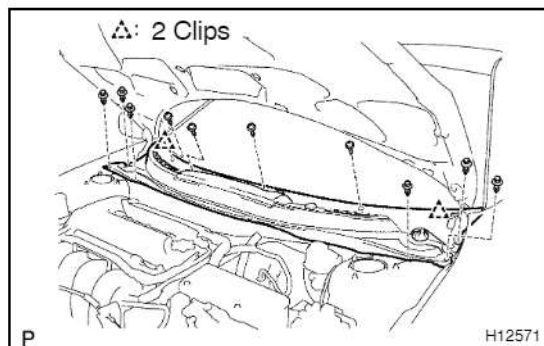
1. INSTALL WIPER MOTOR

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



2. INSTALL WIPER MOTOR AND LINK ASSEMBLY

- (a) Install the wiper motor and link assembly with the 4 screws.
Torque: 5.4 N·m (55 kgf·cm, 48 in·lbf)
- (b) Connect the connector.



3. INSTALL COWL TOP VENTILATOR LOUVER

- (a) Install the 2 washer nozzle to the cowl top ventilator louver.
- (b) Connect the washer hose, then install the cowl top ventilator louver with the 4 screws and 6 clips.

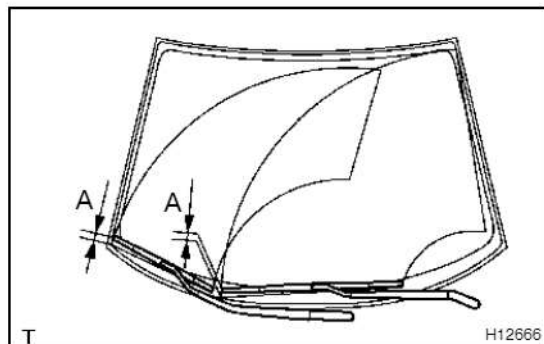
HINT:

Check that the 2 clips on the back side of the cowl top ventilator louver are surely fixed to the body.

4. INSTALL HOOD TO COWL TOP SEAL

5. INSTALL WIPER ARMS

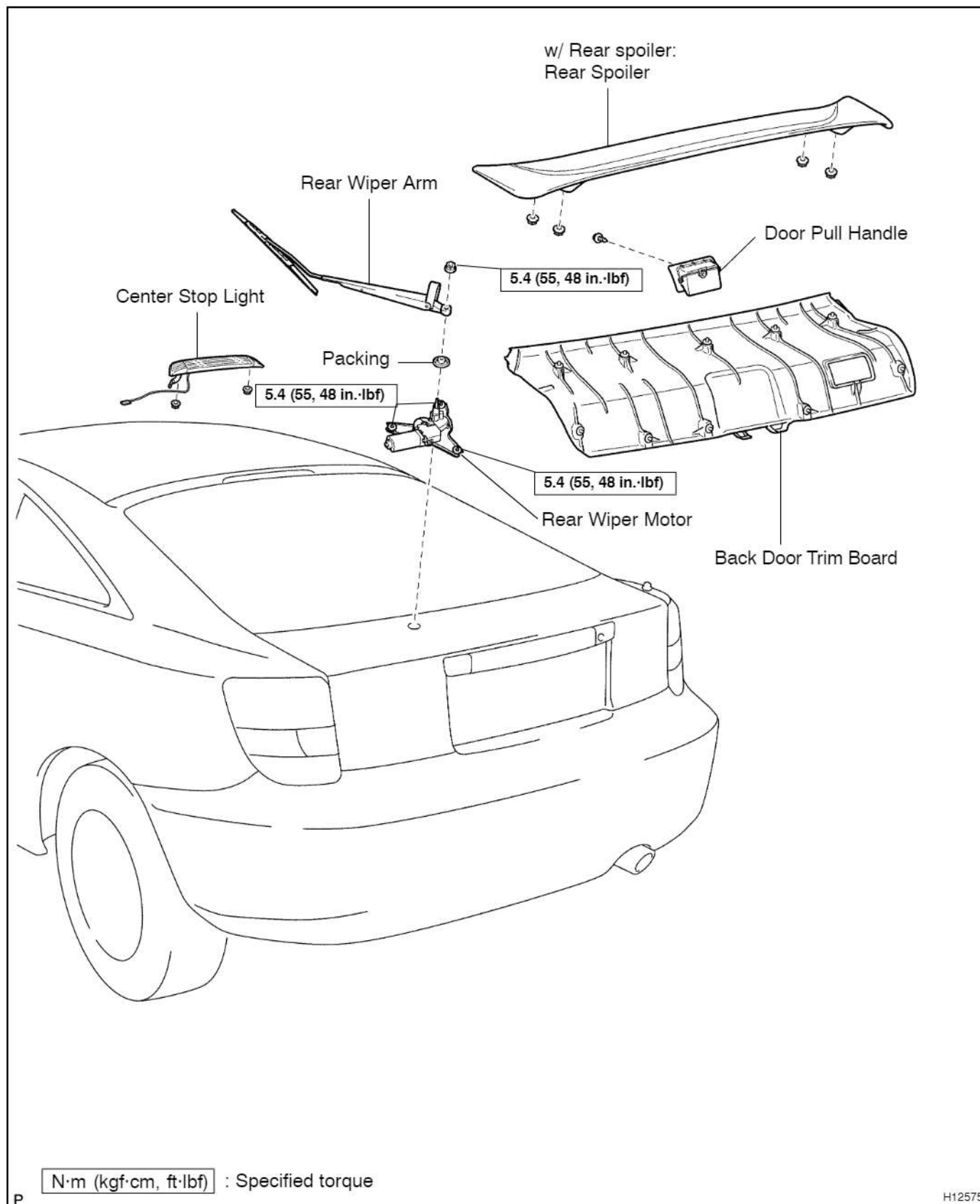
- (a) Operate the wipers once and turn the wiper switch OFF.
- (b) Install the wiper arms and tighten the nuts by hand.



- (c) Adjust the installation positions of the wiper arms to the positions as shown in the illustration.
A: 30 ± 7.5 mm (1.18 ± 0.295 in.)
- (d) Torque the nuts.
Torque: 32 N·m (323 kgf·cm, 23 ft·lbf)
- (e) Install the 2 wiper and head caps.

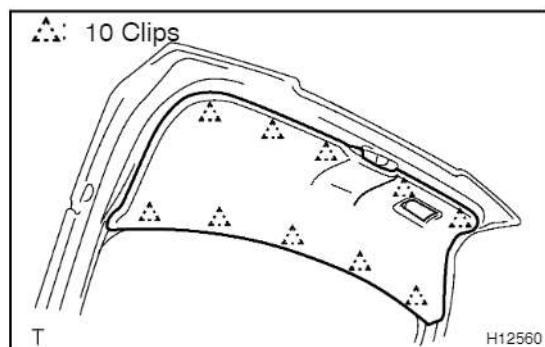
REAR WIPER AND WASHER COMPONENTS

B01DY-05



REMOVAL

1. w/ Rear spoiler:
REMOVE REAR SPOILER
2. **REMOVE DOOR PULL HANDLE**



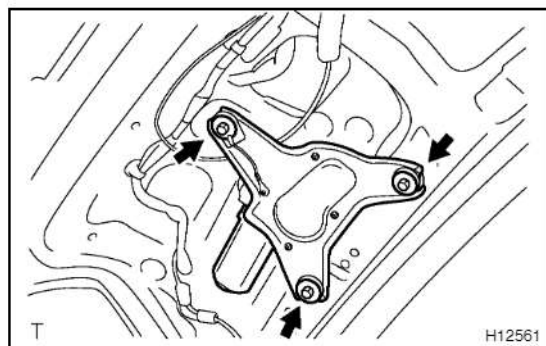
3. REMOVE BACK DOOR TRIM BOARD

Using a screwdriver, remove the back door trim board.

HINT:

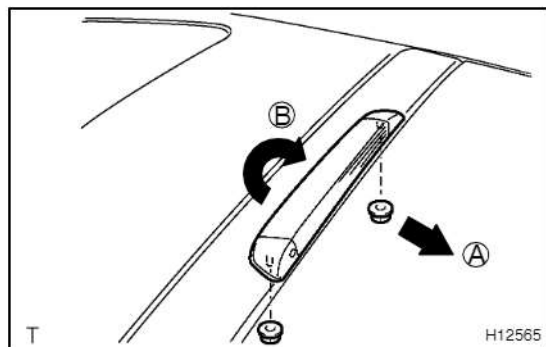
Tape the screwdriver tip before use.

4. REMOVE REAR WIPER ARM



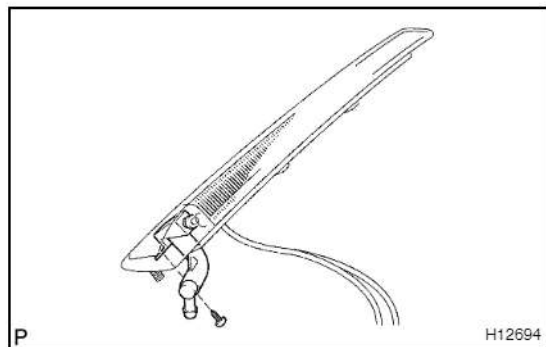
5. REMOVE REAR WIPER MOTOR

- (a) Disconnect the connector.
- (b) Unfasten the 3 bolts and remove the rear wiper motor.
- (c) Remove the packing.

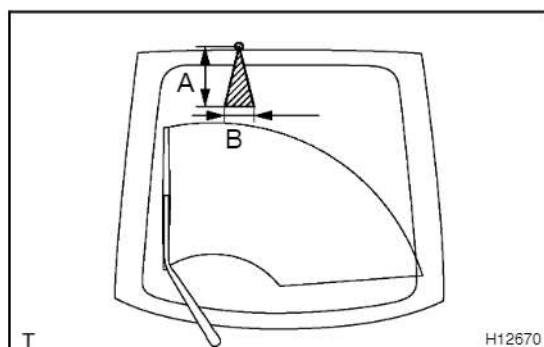


6. REMOVE REAR WASHER NOZZLE

- (a) Remove the 2 nuts.
- (b) Disconnect the connector and washer hose, then remove the center stop light in order A, B as shown in the illustration.



- (c) Remove the screw and rear washer nozzle from the center stop light.



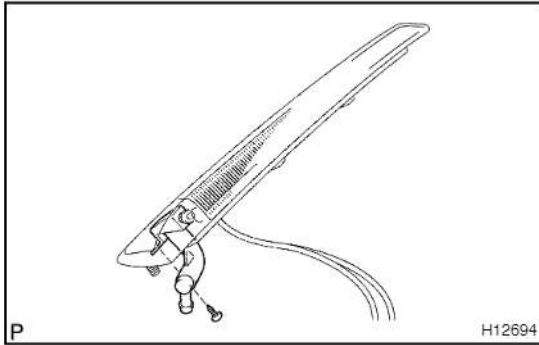
INSPECTION

INSPECT WASHER NOZZLE

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

A: 205 mm (8.07 in.)

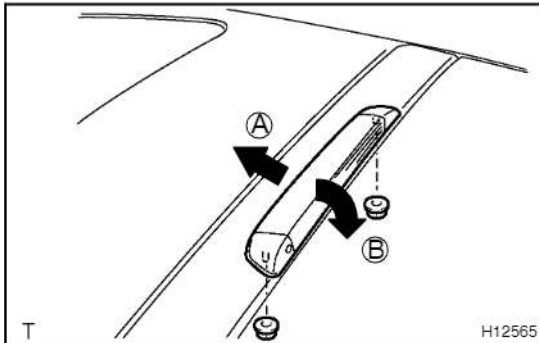
B: 105 mm (4.13 in.)



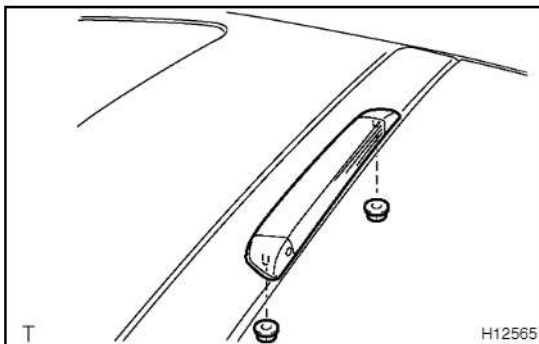
INSTALLATION

1. INSTALL REAR WASHER NOZZLE

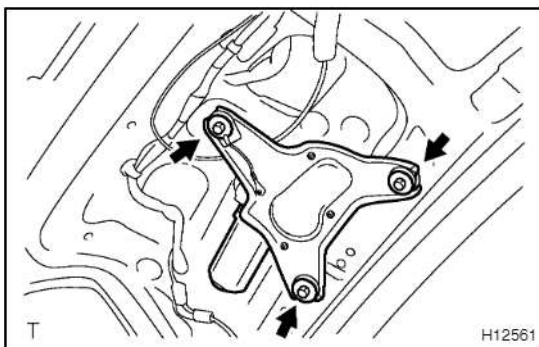
- (a) Install the rear wiper nozzle to the center step light with the screw.



- (b) Connect the connector and washer hose, then install the center stop light with the 2 nuts in order A, B as shown in the illustration.



- (c) Connect the connector and washer hose, then install the center stop light with the 2 nuts.



2. INSTALL REAR WIPER MOTOR

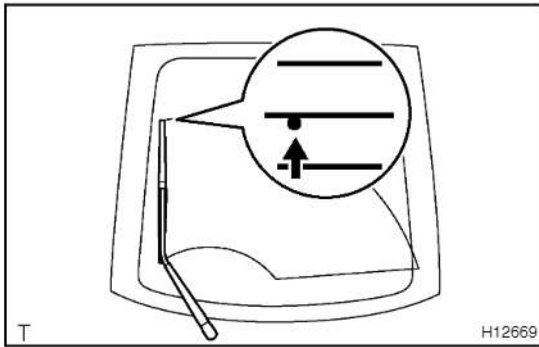
- (a) Install the packing.
 (b) Install the rear wiper motor and fasten the 3 bolts.
Torque: 5.4 N·m (55 kgf·cm, 48 in·lbf)
 (c) Connect the connector.

3. INSTALL BACK DOOR TRIM BOARD

4. INSTALL DOOR PULL HANDLE

5. INSTALL REAR WIPER ARM

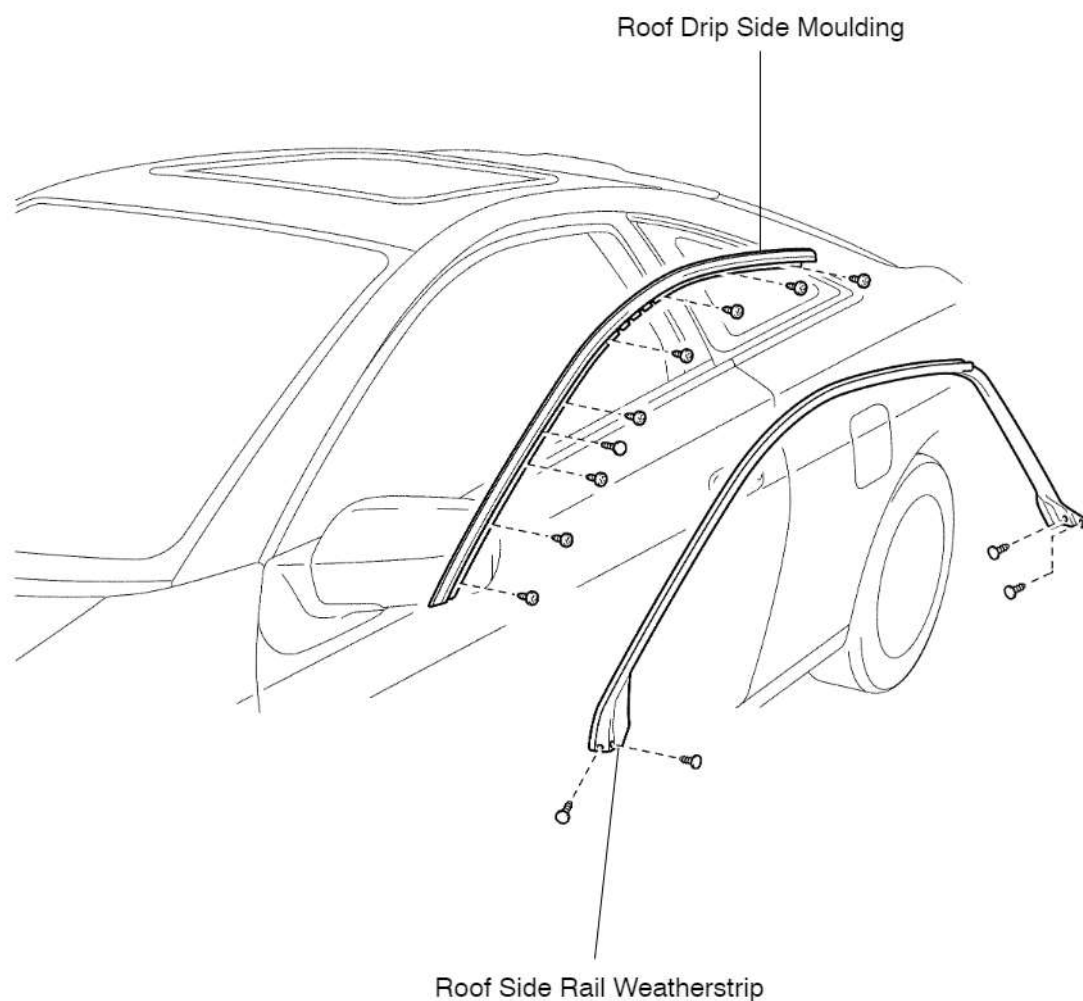
- (a) Operate the wiper motor once and turn the wiper switch OFF.
 (b) Install the rear wiper arm and tighten the nut by hand.



- (c) Adjust the installation position of the wiper arm at a point in defogger pattern.
 - (d) Tighten the nut.
Torque: 5.4 N·m (55 kgf·cm, 48 in·lbf)
6. w/ Rear spoiler:
REMOVE REAR SPOILER

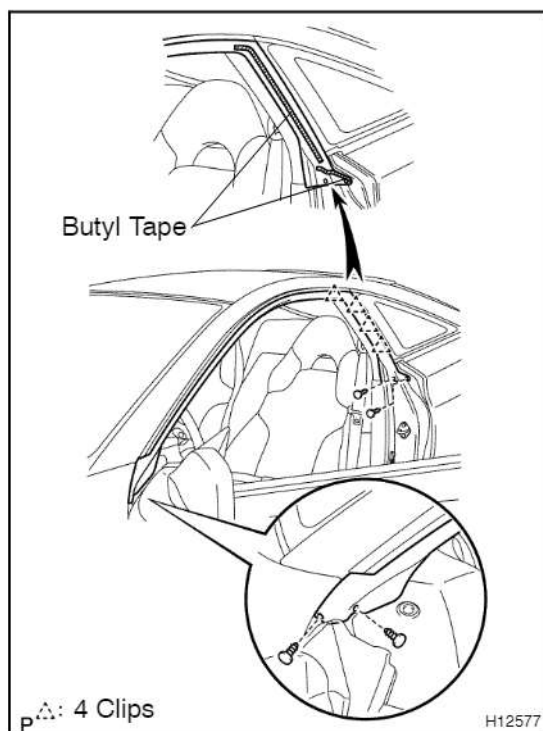
ROOF DRIP SIDE MOULDING COMPONENTS

B02NL-03



P

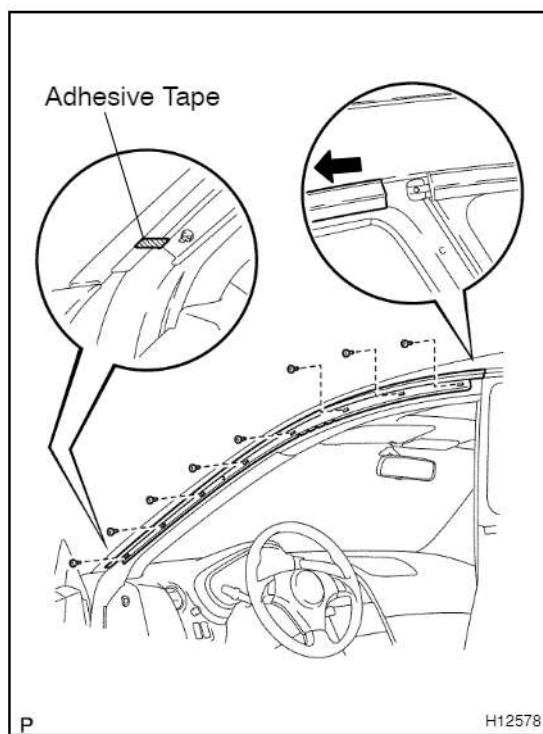
H12576



REMOVAL

1. REMOVE ROOF SIDE RAIL WEATHERSTRIP

- Using a clip remover, remove the 4 clips.
- Remove the roof side rail weatherstrip.



2. REMOVE ROOF DRIP SIDE MOULDING

Remove the 8 screws and roof drip side moulding.

INSTALLATION

1. CLEAN BODY MOUNTING SURFACE

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

NOTICE:

Do not heat the body excessively.

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

2. If reusing the moulding:

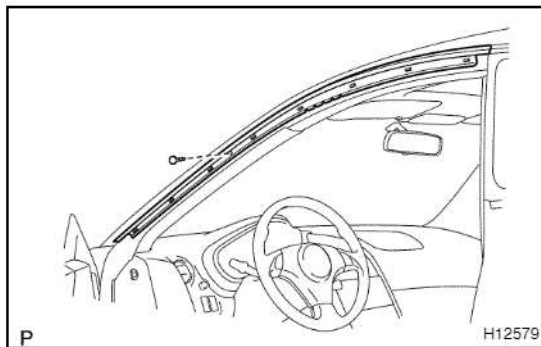
CLEAN MOULDING

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

NOTICE:

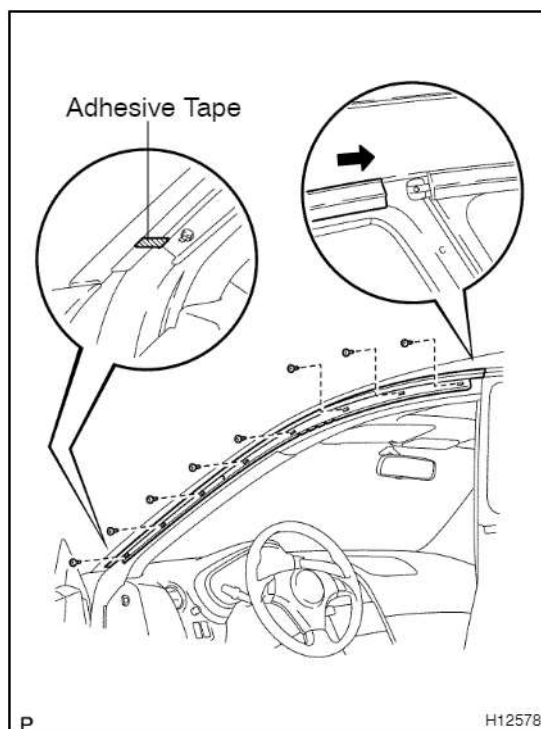
Do not heat the moulding excessively.

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



3. INSTALL ROOF DRIP SIDE MOULDING

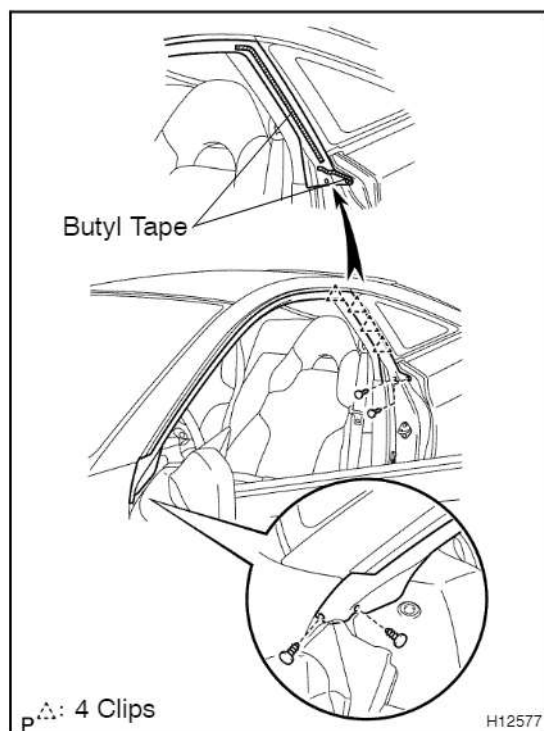
- If using a new moulding:
Secure the roof drip side moulding with the clip for temporary attachment.



- Install the roof drip side moulding with the 8 screws.

HINT:

When installing the moulding, tighten the screws from the rear side to the front side of the moulding.

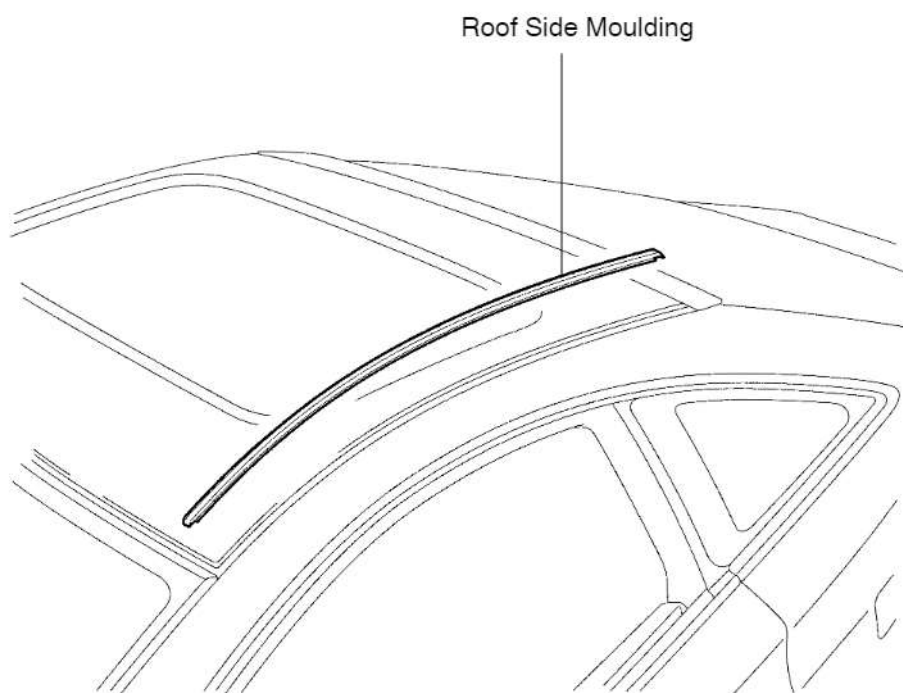


4. INSTALL ROOF SIDE RAIL WEATHERSTRIP

Install the roof side rail weatherstrip with the 4 clips as shown in the illustration.

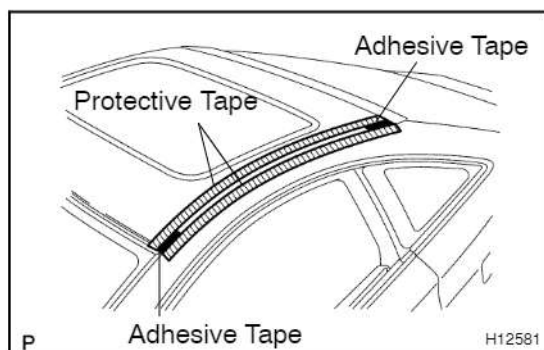
ROOF SIDE MOULDING COMPONENTS

B02NO-02



P

H12580



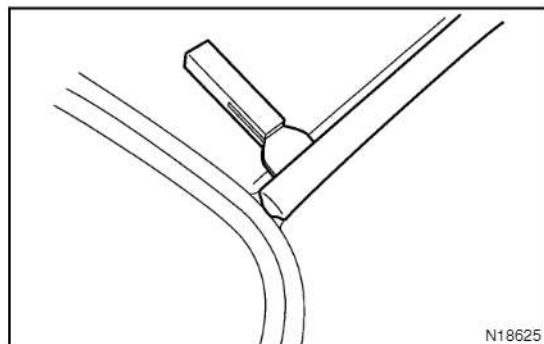
REMOVAL

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 side moulding from the front end and rear end.

HINT:

Tape the screwdriver tip before use.

2. REMOVE MOULDING AND ADHESIVE

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

NOTICE:

Do not damage the body with the knife.

INSTALLATION

1. CLEAN CONTRACT SURFACE OF BODY

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

NOTICE:

Do not heat the body excessively.

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

NOTICE:

Be careful not to damage the body.

- (c) Wipe off stains with cleaner.

2. If reusing the moulding:

CLEAN MOULDING

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

NOTICE:

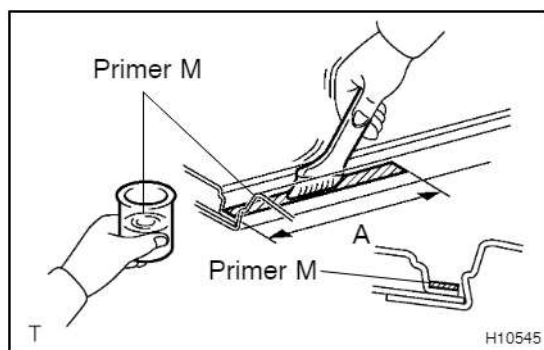
Do not heat the moulding excessively.

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

NOTICE:

Be careful not to damage the moulding.

- (c) Wipe off stains with cleaner.



3. COAT CONTRACT SURFACE OF BODY WITH PRIMER

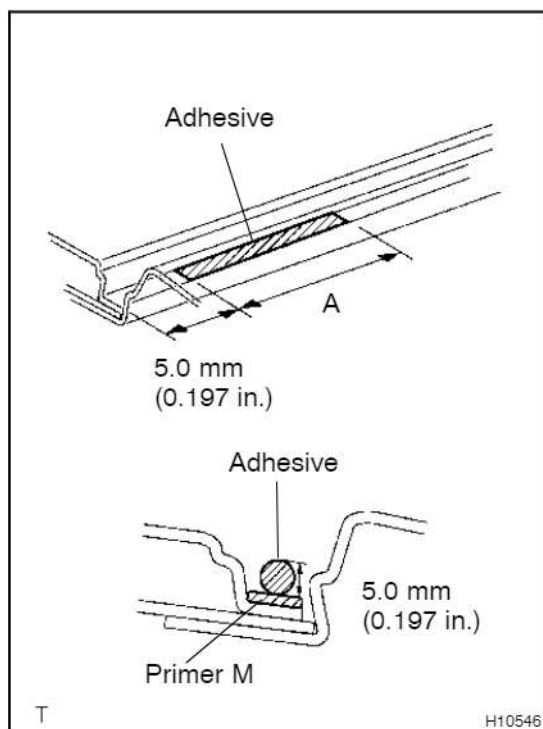
Using a brush, coat the contact surface on the body with Primer M as shown in the illustration.

Front and rear end:

A: 66 mm (2.60 in.)

NOTICE:

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



4. APPLY ADHESIVE

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

Part No. 08850-00801 or equivalent

HINT:

After cutting off the tip, use all adhesive within the time described in the 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 and rear end:

A: 50 mm (1.97 in.)

HINT:

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

5. INSTALL MOULDING

Push the moulding to the body.

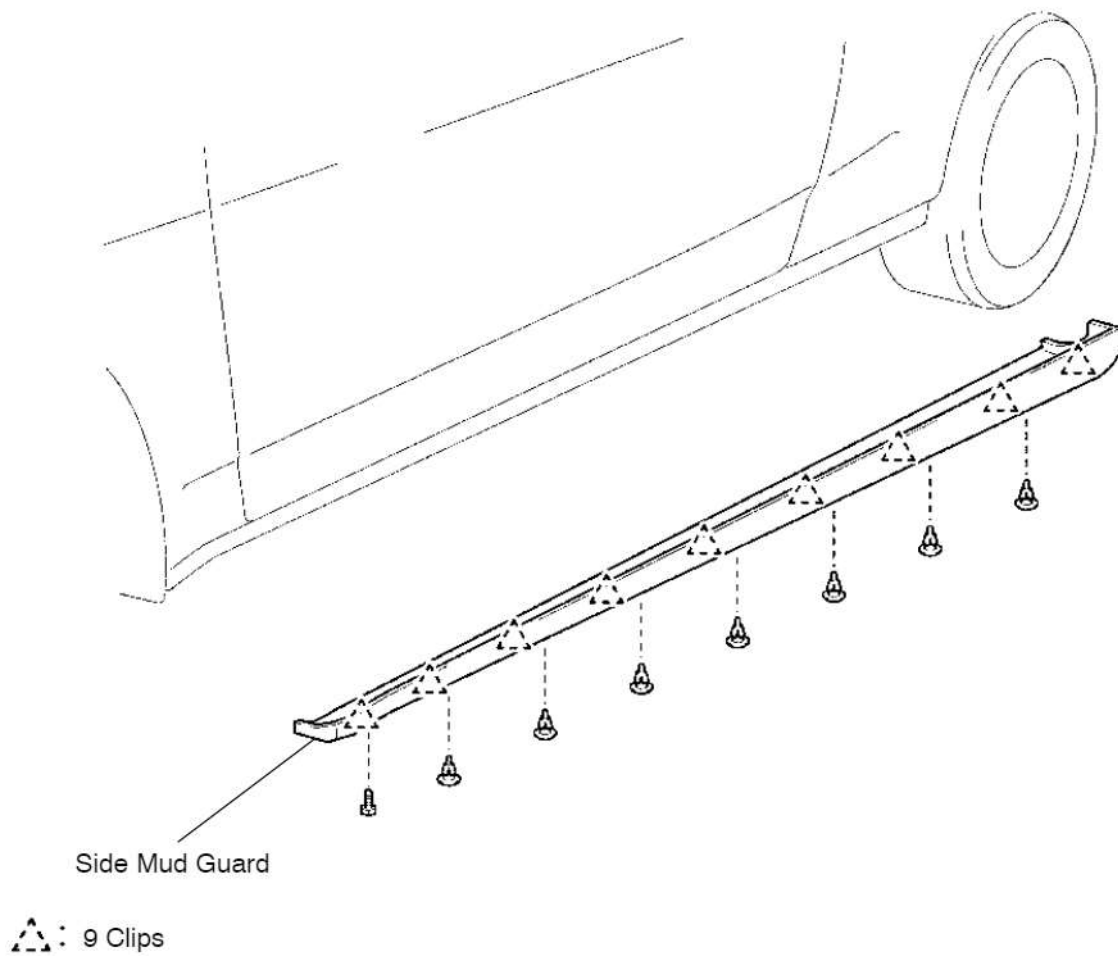
NOTICE:

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

SIDE MUD GUARD COMPONENTS

B01E6-08

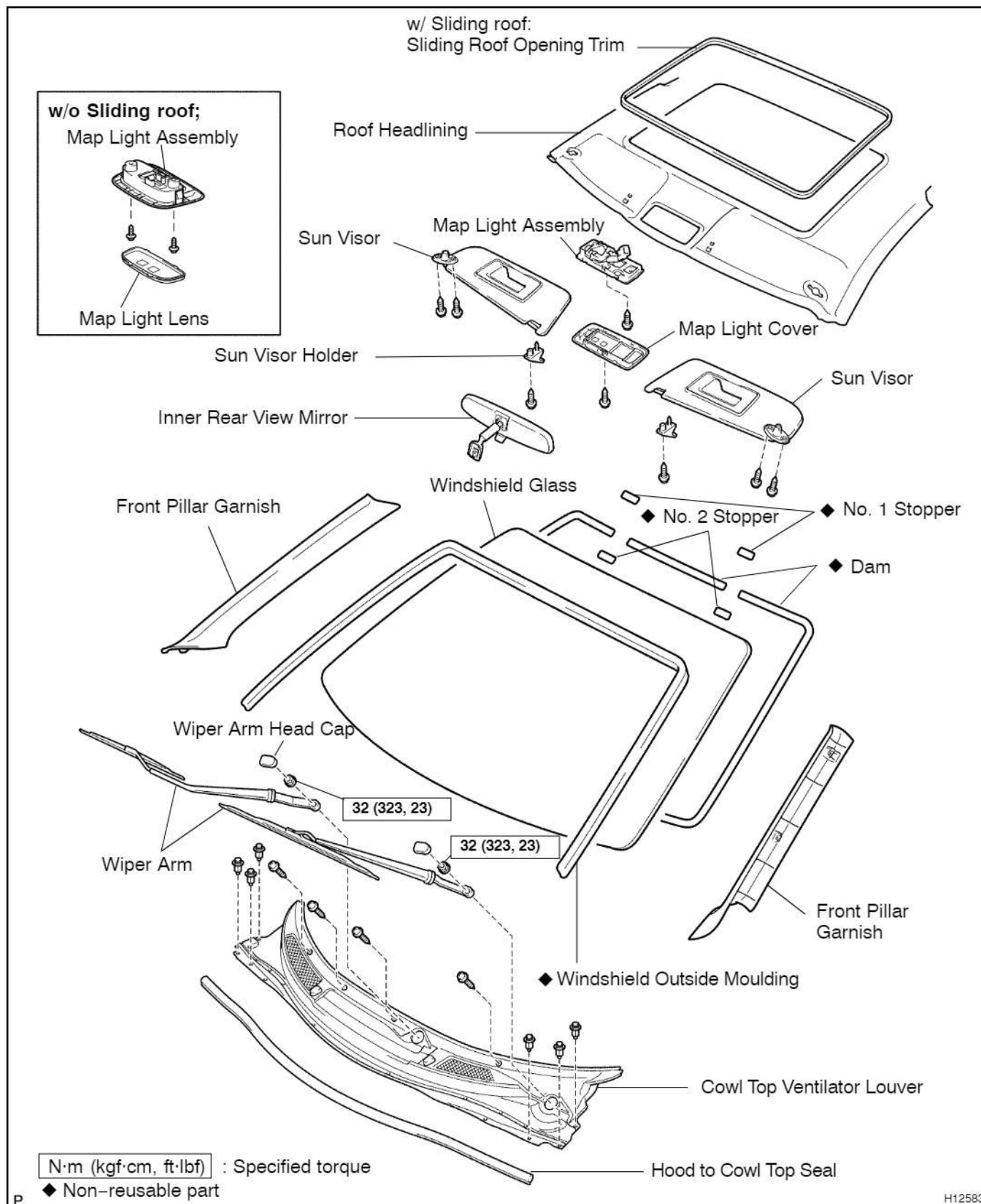


P

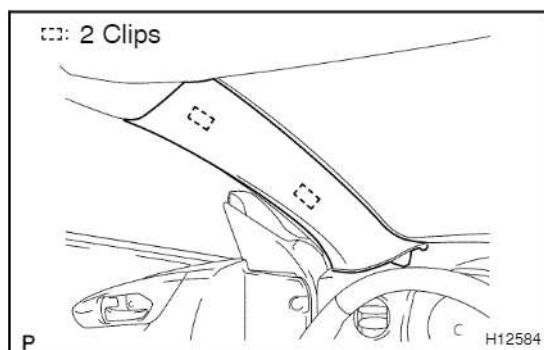
H12582

WINDSHIELD COMPONENTS

B01E9-09



H12583



REMOVAL

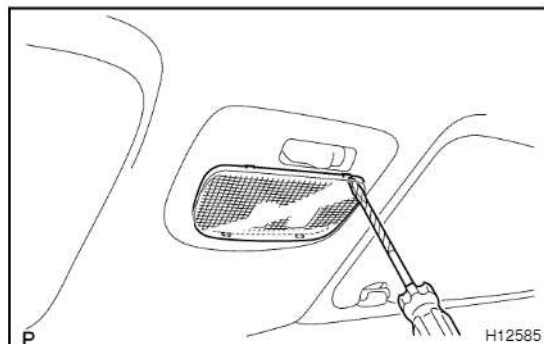
1. REMOVE FRONT PILLAR GARNISH

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

HINT:

Tape the screwdriver tip before use.

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



2. w/o Sliding roof:

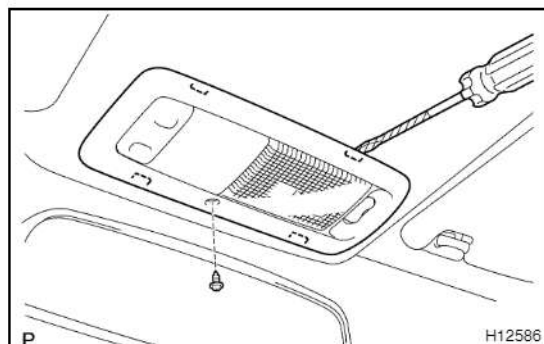
REMOVE MAP LIGHT ASSEMBLY

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

HINT:

Tape the screwdriver tip before use.

- (b) Remove the 2 screws and map light assembly, then disconnect the connector.



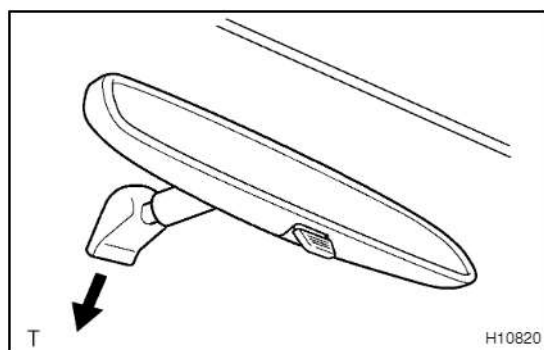
3. w/ Sliding roof:

REMOVE MAP LIGHT ASSEMBLY

- (a) Remove the screw.
 (b) Using a moulding remover, remove the cover.
 (c) Remove the screw and map light assembly, then disconnect the connector.

4. REMOVE SUN VISORS

5. REMOVE SUN VISOR HOLDERS



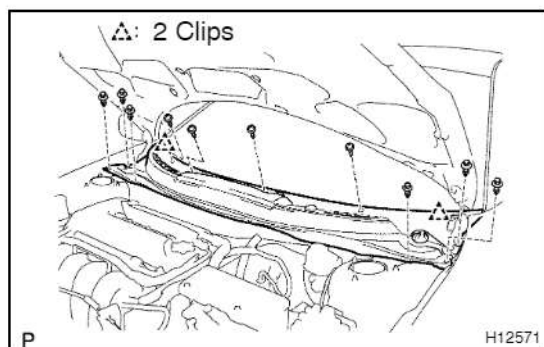
6. REMOVE INNER REAR VIEW MIRROR

Remove the inner rear view mirror as shown in the illustration.

7. REMOVE WIPER ARMS

Remove the 2 wiper arm head caps, 2 nuts and 2 wiper arms.

8. REMOVE HOOD TO COWL TOP SEAL



9. REMOVE COWL TOP VENTILATOR LOUVER

- (a) Remove the 4 screws and 6 clips.
 (b) Using a screwdriver, remove the cowl top ventilator louver, then disconnect the washer hoses.

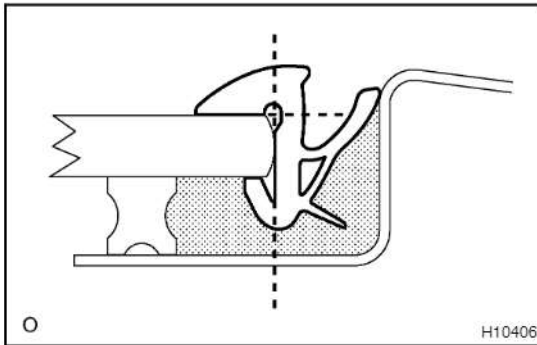
HINT:

Tape the screwdriver tip before use.

10. w/ Sliding roof:

REMOVE SLIDING ROOF OPENING TRIM

11. PULL DOWN FRONT PART OF ROOF HEADLINING

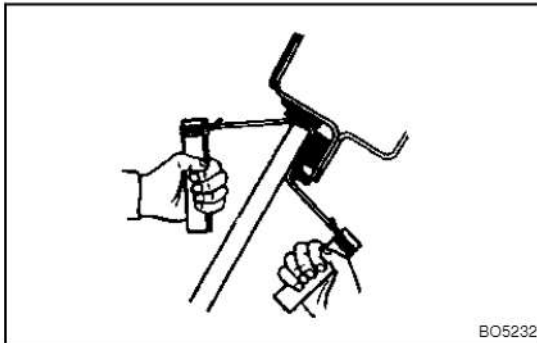
**12. REMOVE WINDSHIELD OUTSIDE MOULDING**

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

NOTICE:

Do not damage the body with the knife.

- (b) Remove the remaining moulding.

**13. REMOVE WINDSHIELD GLASS**

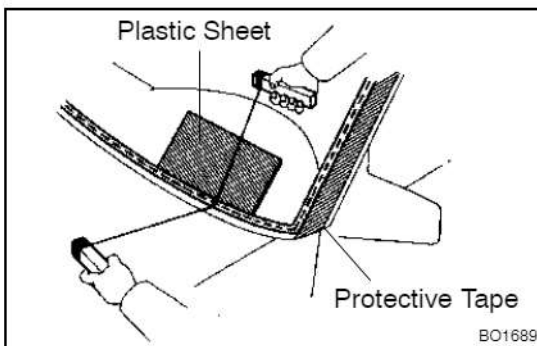
- (a) Insert a piano wire between body and glass and let it pass through.

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

- (c) w/ Front window defogger:
Disconnect the connector.

NOTICE:

Be careful not to damage the wire harness.



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

NOTICE:

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

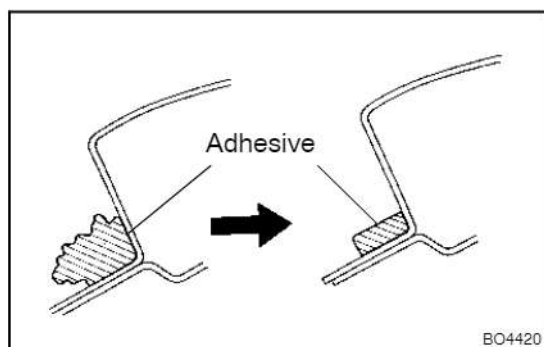
HINT:

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

- (e) Remove the glass.

NOTICE:

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



INSTALLATION

1. CLEAN AND SHAPE CONTACT SURFACE OF BODY

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

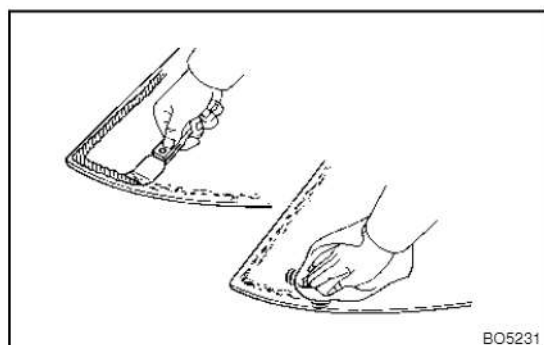
HINT:

Leave 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.

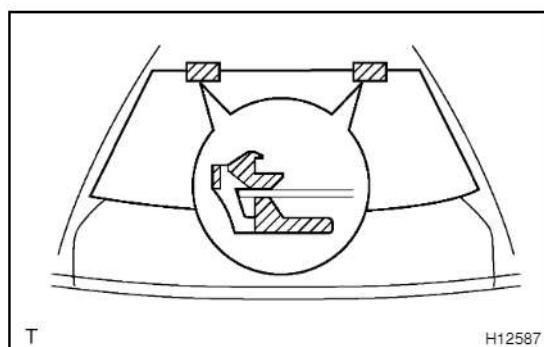


2. CLEAN REMOVED GLASS

- (a) Remove the damaged No.2 stoppers 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. w/ No. 1 Stopper:

REPLACE NO. 1 STOPPERS

- (a) Remove the damaged stoppers.
 (b) Cut off the old adhesive around the stopper installation area.

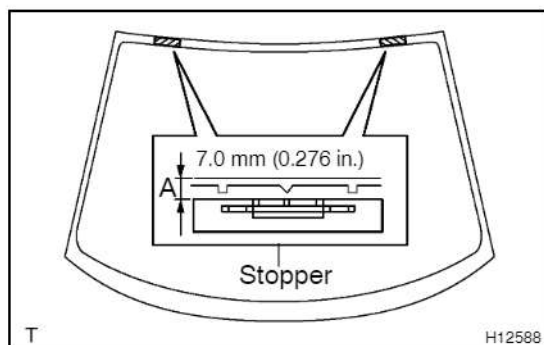
NOTICE:

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.

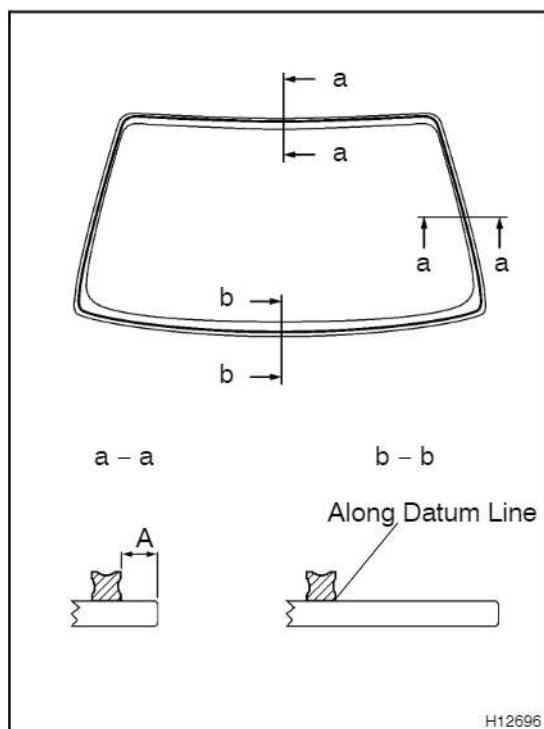
HINT:

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

A:

w/ No. 1 stopper: 7.7 ± 0.5 (0.303 $\pm$ 0.020 in.)

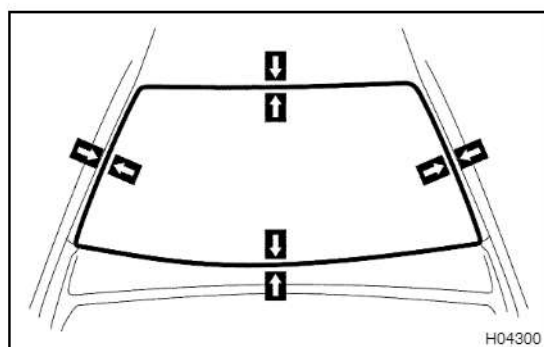
w/o No. 1 stopper: 9.0 ± 0.5 (0.354 $\pm$ 0.020 in.)



5. INSTALL NEW DAMS

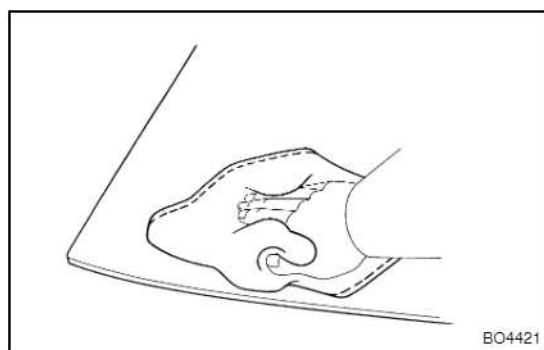
Install new dams with double-stick tape as shown in the illustration.

A: 7.0 mm (0.276 in.)



6. 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.

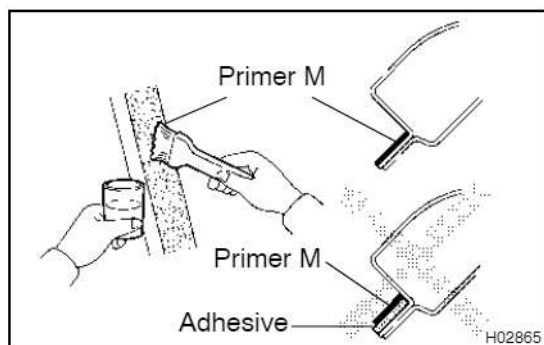


7. CLEAN CONTACT SURFACE OF GLASS

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.

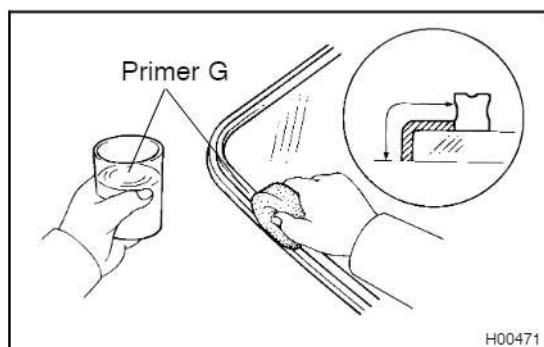


8. COAT CONTACT SURFACE OF BODY WITH PRIMER "M"

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

NOTICE:

- Allow 3 minutes or more 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.



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

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

NOTICE:

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

10. APPLY ADHESIVE

- Cut off the tip of the cartridge nozzle.

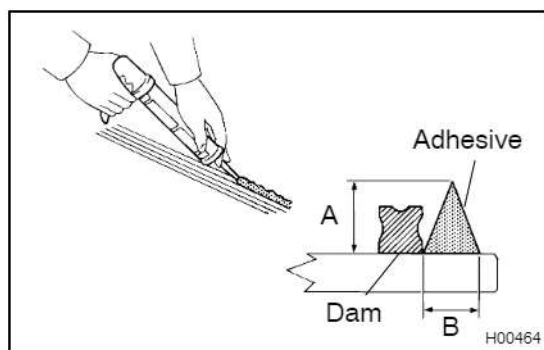
Part No. 08850-00801 or equivalent

HINT:

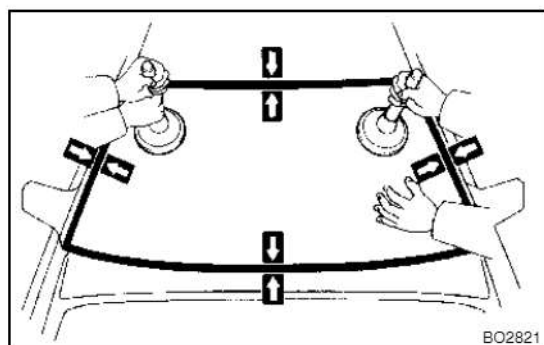
After cutting off the tip, use all adhesive within the time described in the table below.

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

- Load the cartridge into the sealer gun.



- Coat the glass with adhesive as shown in the illustration.
A: 12.5 mm (0.492 in.)
B: 8.0 mm (0.315 in.)



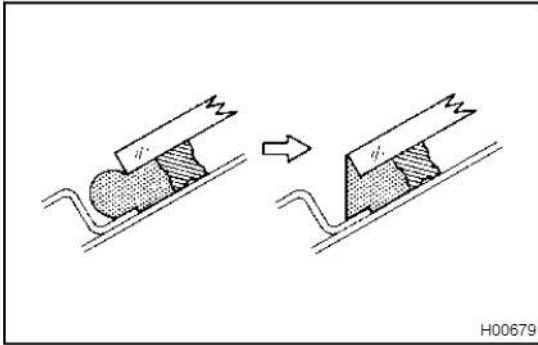
11. INSTALL WINDSHIELD GLASS AND MOULDING

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

HINT:

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

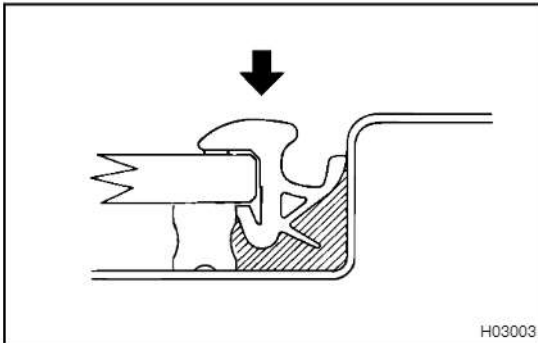
- Lightly press the glass front surface for close contact.



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

HINT:

Apply the 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

12. INSPECT FOR LEAK AND REPAIR

NOTICE:

Conduct a leak test after the hardening time has elapsed.

13. INSTALL FRONT SIDE OF ROOF HEADLINING

14. INSTALL COWL TOP VENTILATOR LOUVER

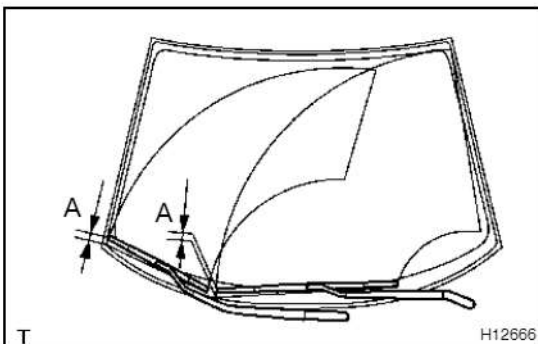
HINT:

Check that the 2 clips on the back side of the cowl louver are surely fixed to the body.

15. INSTALL HOOD TO COWL TOP SEAL

16. INSTALL WIPER ARMS

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



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

A: 30 ± 7.5 mm (1.8 ± 0.295 in.)

- (d) Torque the nuts.

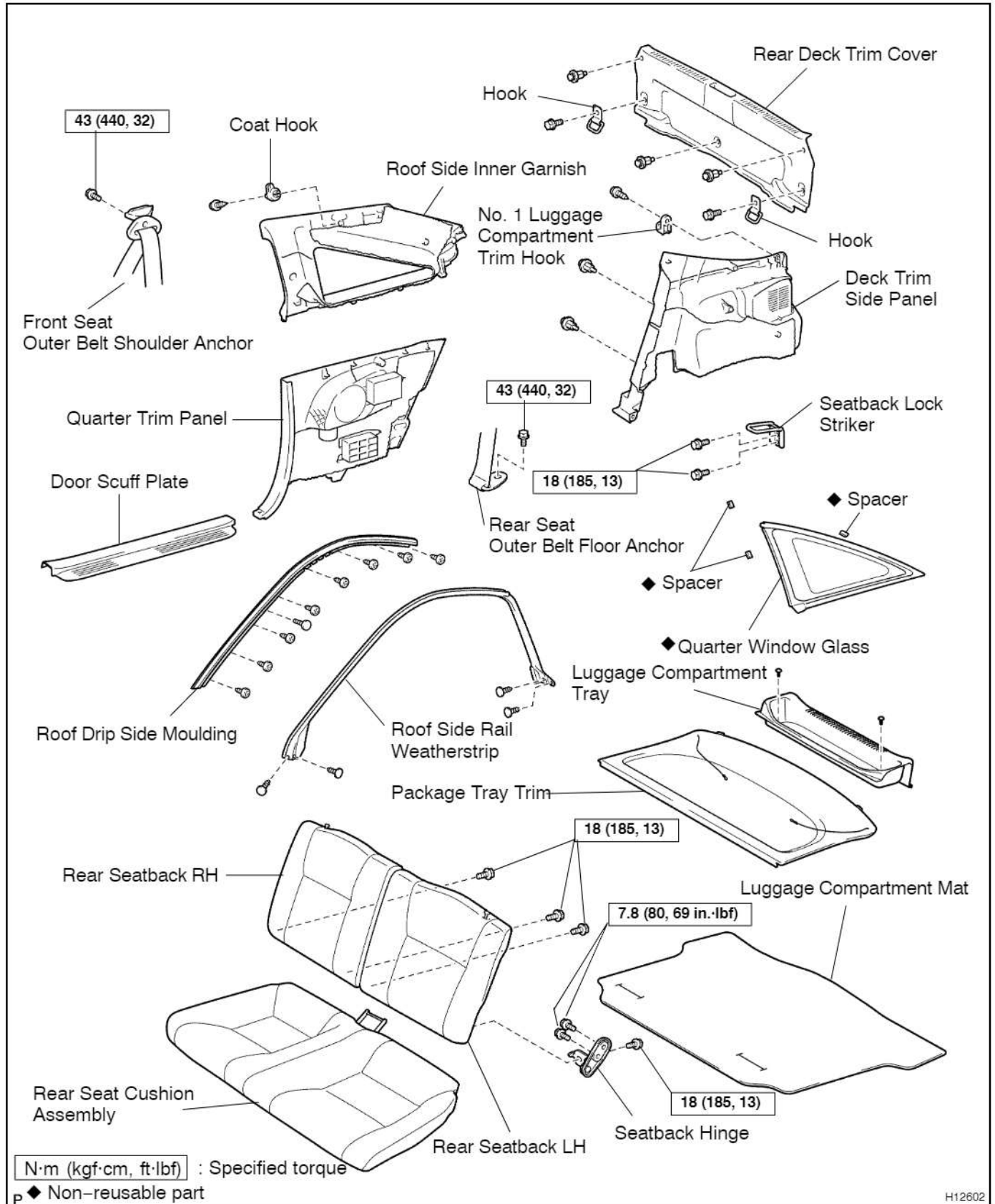
Torque: 32 N·m (323 kgf·cm, 23 ft·lbf)

- (e) Install the 2 wiper arm head caps.

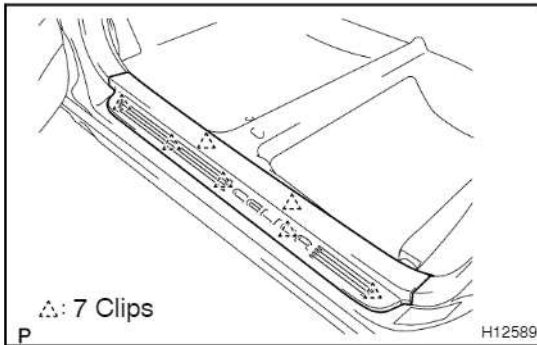
17. INSTALL INNER REAR VIEW MIRROR
18. INSTALL SUN VISOR HOLDERS
19. INSTALL SUN VISOR
20. INSTALL MAP LIGHT ASSEMBLY
21. INSTALL FRONT PILLAR GARNISH

QUARTER WINDOW GLASS COMPONENTS

BO2NT-03



H12602



REMOVAL

1. REMOVE DOOR SCUFF PLATE

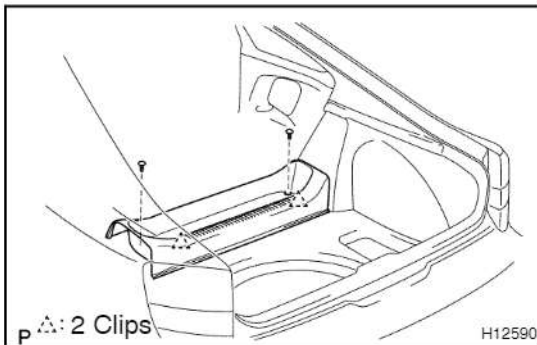
Using a screwdriver, remove the door scuff plate.

HINT:

Tape the screwdriver tip before use.

2. REMOVE PACKAGE TRAY TRIM

3. REMOVE REAR SEAT (See page BO-102)



4. REMOVE LUGGAGE COMPARTMENT TRAY

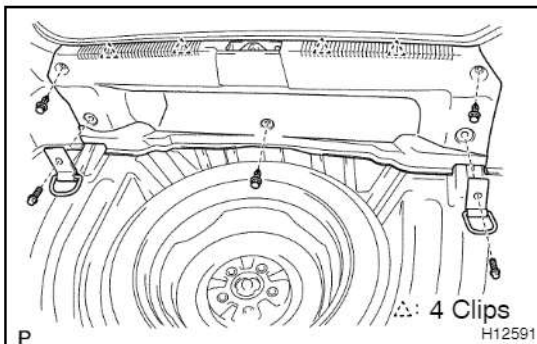
(a) Using a clip remover, remove the 2 clips.

(b) Using a screwdriver, remove the luggage compartment tray.

HINT:

Tape the screwdriver tip before use.

5. REMOVE LUGGAGE COMPARTMENT MAT



6. REMOVE REAR DECK TRIM COVER

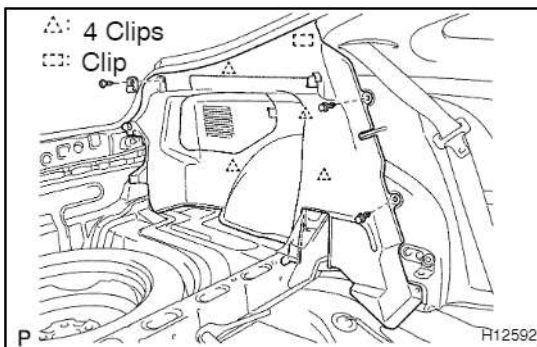
(a) Remove the 2 bolts and 2 hooks.

(b) Remove the 3 clips.

(c) Using a screwdriver, remove the rear deck trim cover.

HINT:

Tape the screwdriver tip before use.



7. REMOVE DECK TRIM SIDE PANEL

(a) Remove the screw and No. 1 luggage compartment trim hook.

(b) RH side:

Using a screwdriver, remove the rear room light, then disconnect the connector.

HINT:

Tape the screwdriver tip before use.

(c) Remove the 2 clips.

(d) Using a screwdriver, remove the deck trim side panel.

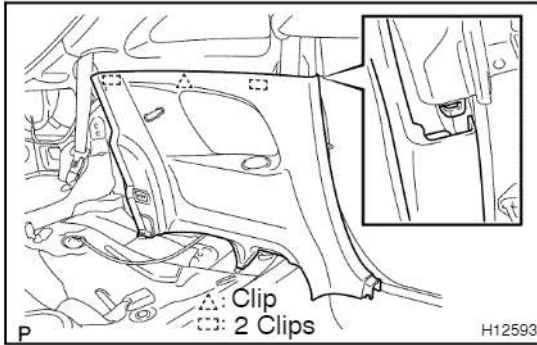
HINT:

Tape the screwdriver tip before use.

8. REMOVE REAR SEATBACK HINGE

9. REMOVE REAR SEATBACK LOCK STRIKER

10. REMOVE REAR SEAT OUTER BELT FLOOR ANCHOR



11. REMOVE QUARTER TRIM PANEL

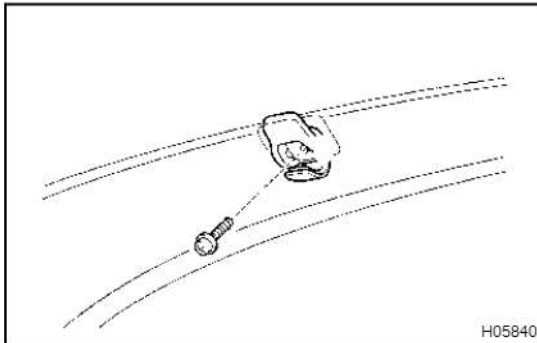
Using a screwdriver, remove the quarter trim panel.

HINT:

Tape the screwdriver tip before use.

12. REMOVE FRONT SEAT OUTER BELT SHOULDER ANCHOR

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



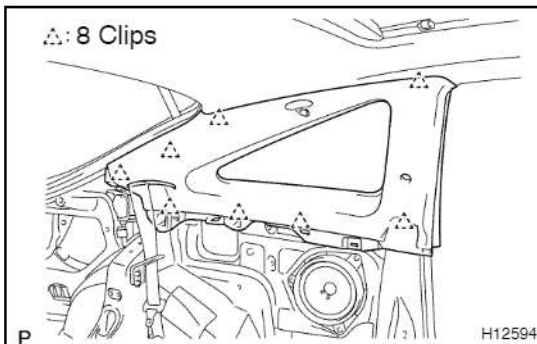
13. REMOVE ROOF SIDE INNER GARNISH

(a) Using a screwdriver, open the cap of coat hook.

HINT:

Tape the screwdriver tip before use.

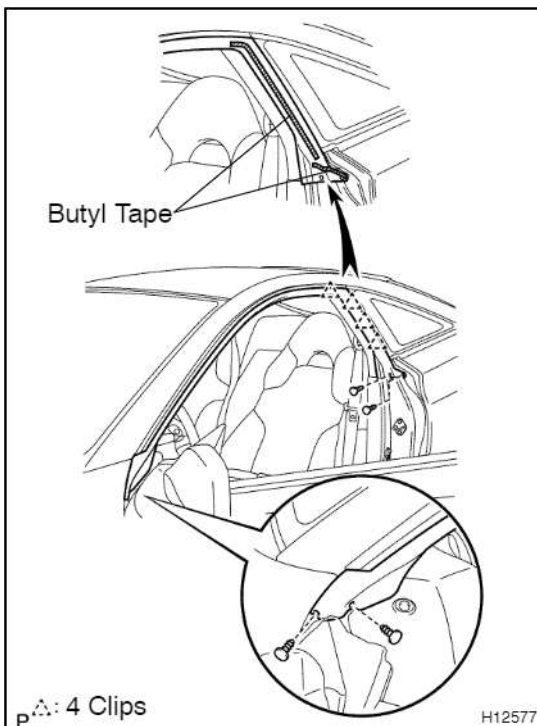
(b) Remove the screw and coat hook.



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

HINT:

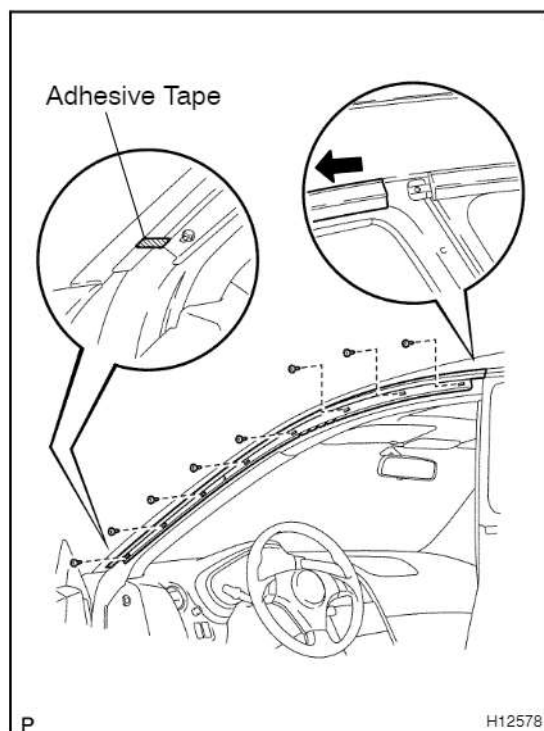
Tape the screwdriver tip before use.



14. REMOVE ROOF SIDE RAIL WEATHERSTRIP

(a) Using a clip remover, remove the 4 clips.

(b) Remove the roof side rail weatherstrip.

**15. REMOVE ROOF DRIP SIDE MOULDING**

Remove the 8 screws and roof drip side moulding.

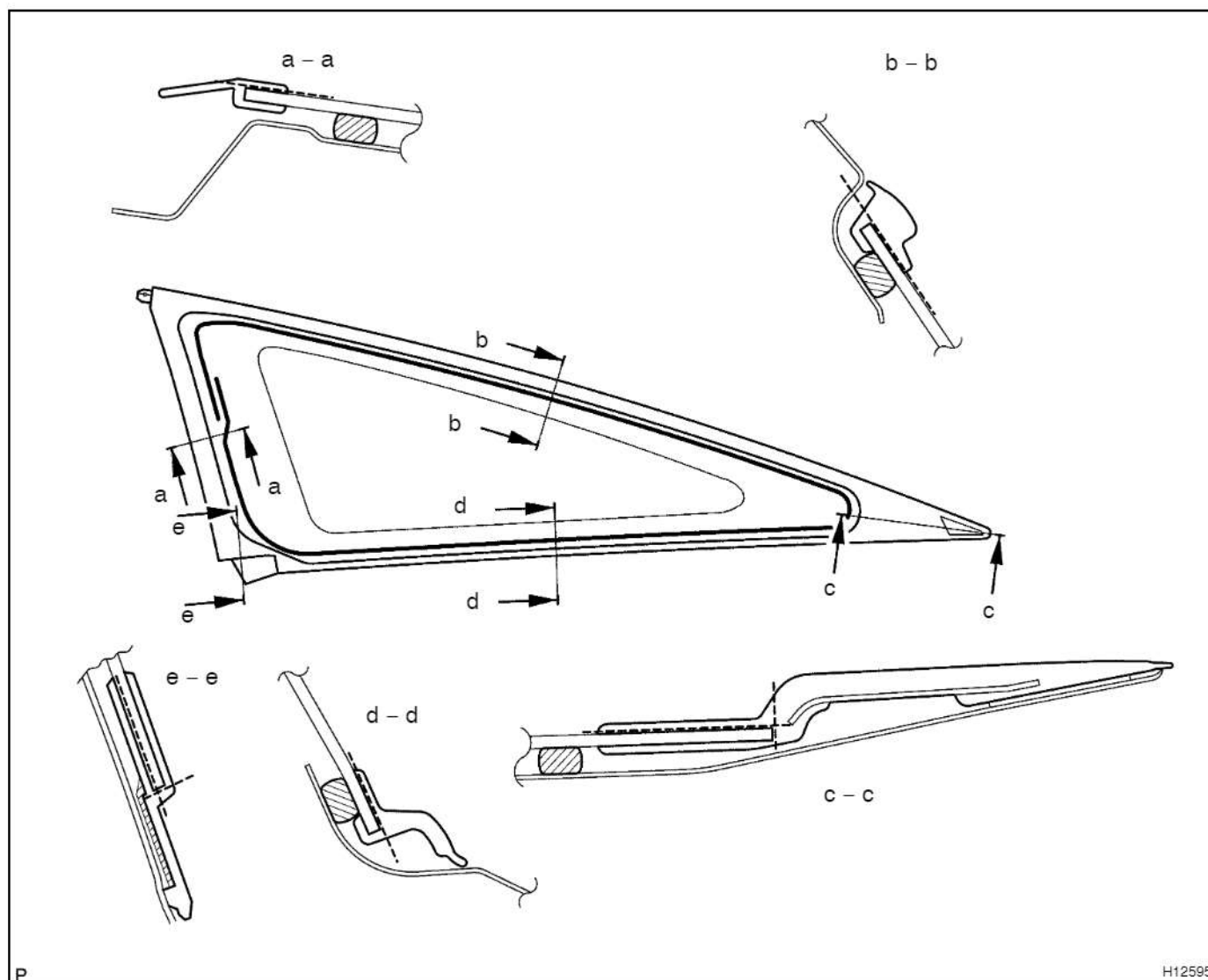
16. REMOVE QUARTER WINDOW GLASS

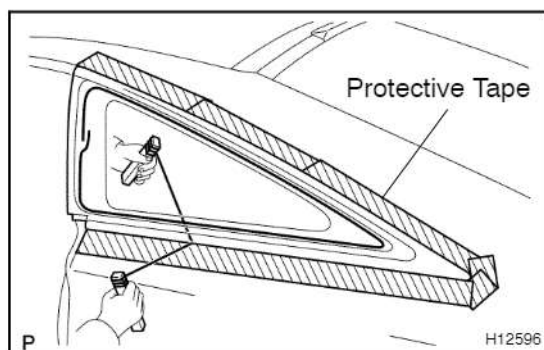
- (a) Using a knife, cut off the moulding as shown in the below illustration.

NOTICE:

Do not damage the body with the knife.

- (b) Remove the remaining moulding.





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

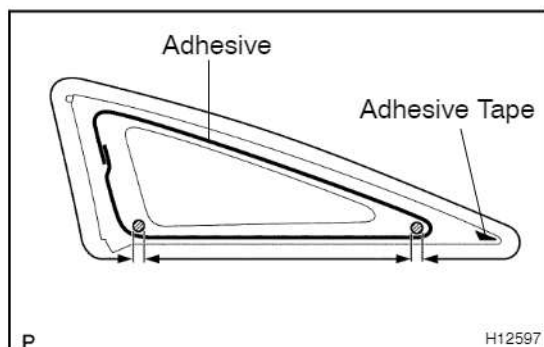
(d) Tie both wire ends to wooden blocks or similar objects.

HINT:

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

NOTICE:

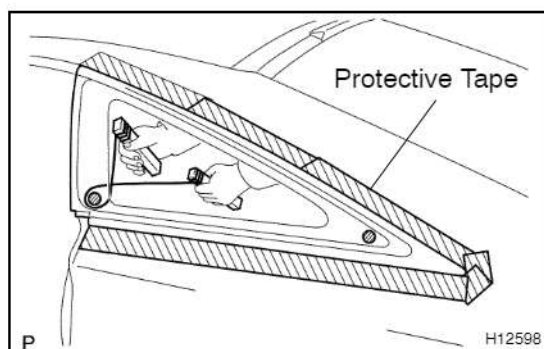
When separating the glass, take care not to damage the paint and exterior.



(e) 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.

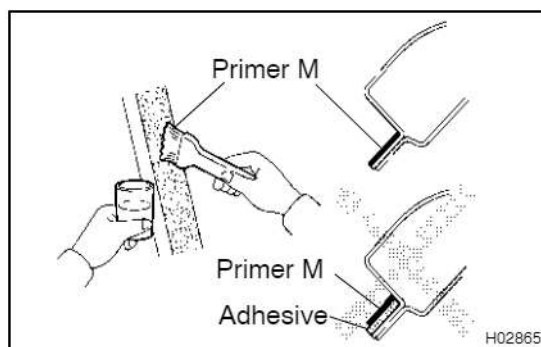
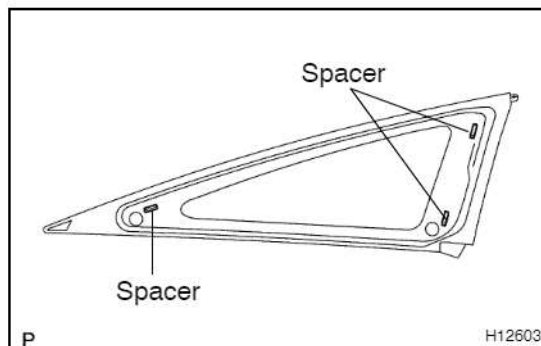
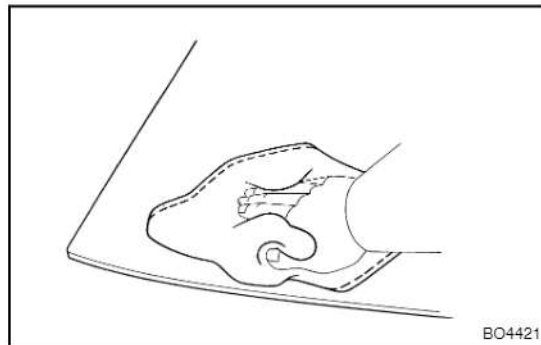
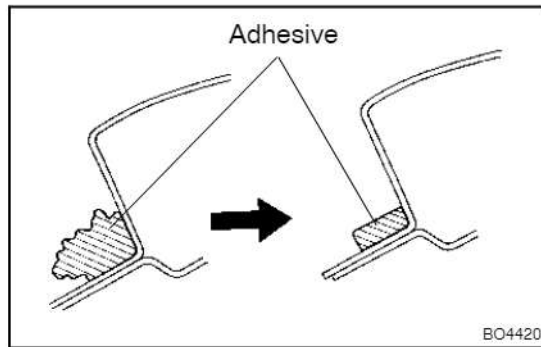


(f) Push the piano wire through as shown in the illustration, cut off the adhered part to the clips.

(g) Remove the glass.

NOTICE:

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



INSTALLATION

1. CLEAN AND SHAPE CONTACT SURFACE OF BODY PANEL

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

HINT:

Leave 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 CONTACT SURFACE OF NEW 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.

3. INSTALL NEW SPACERS

Install the new spacers to the quarter window glass as shown in the illustration.

4. 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:

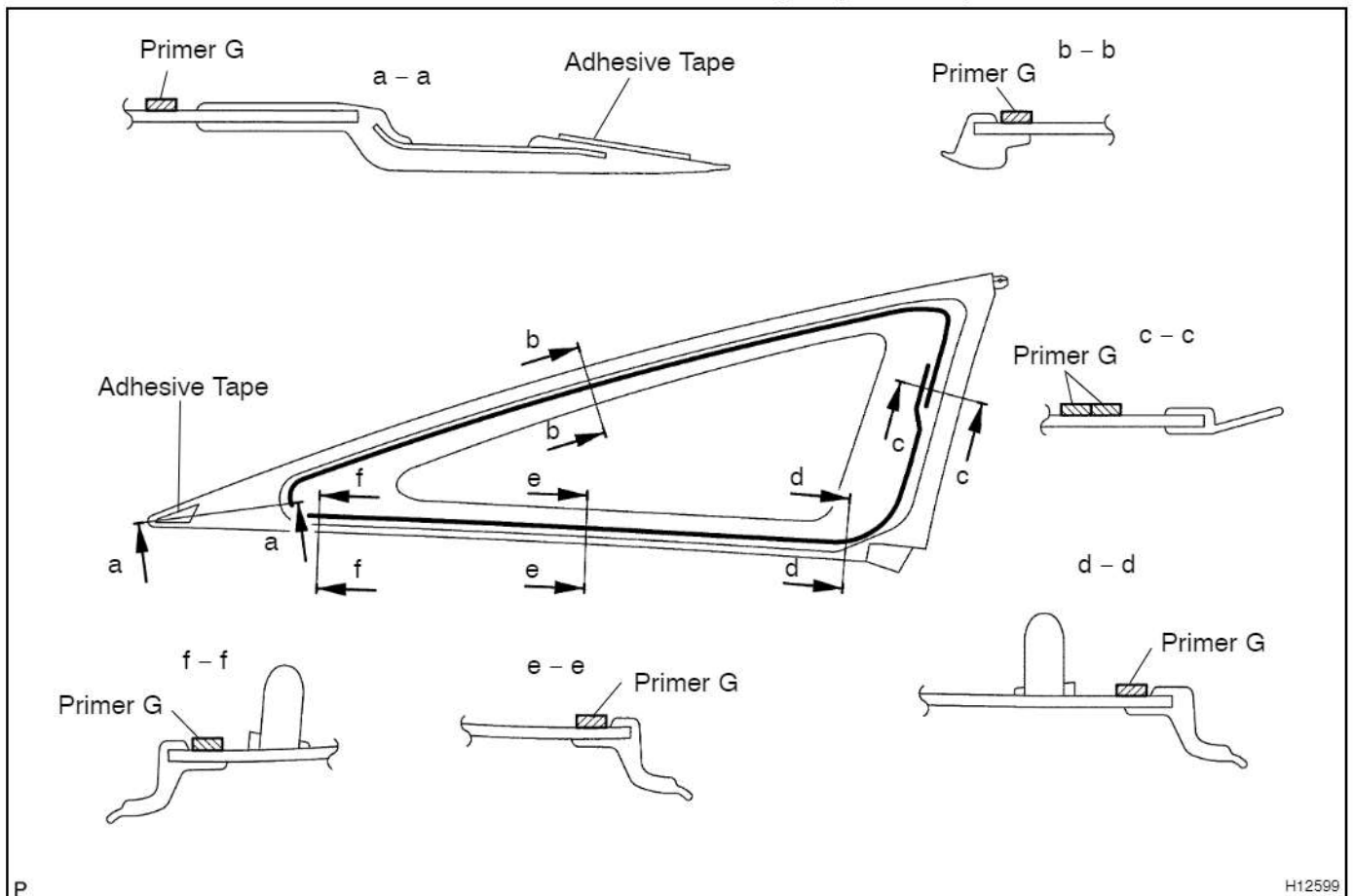
- Allow 3 minutes or more to dry the primer coated surface.
- Do not coat Primer M to the adhesive.
- Do not keep any of the opened Primer M for later use.

5. COAT CONTACT SURFACE OF NEW 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 coated wrongly 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.



6. APPLY ADHESIVE

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

HINT:

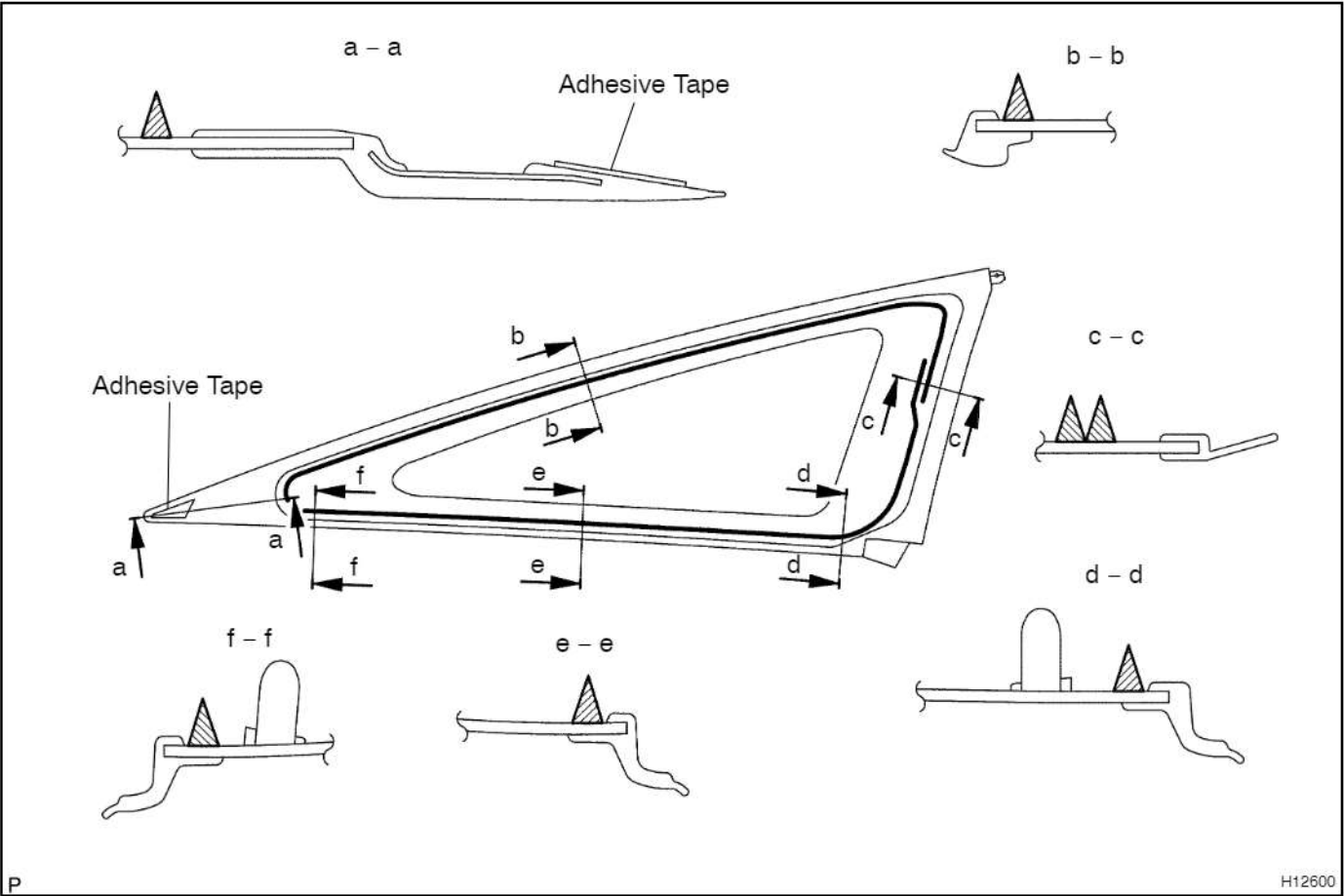
After cutting off the tip, use all adhesive within the time described in the table below.

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 new glass with adhesive as shown in the illustration.

Adhesive height: 12.0 mm (0.472 in.)

Adhesive width: 8.0 mm (0.315 in.)



7. INSTALL NEW GLASS

- (a) Install new 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

8. INSPECT FOR LEAK AND REPAIR

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

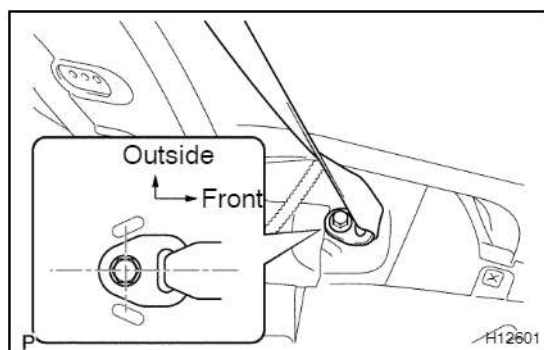
Part No. 08833-00030 or equivalent.

9. INSTALL ROOF DRIP SIDE MOULDING

(See page BO-40)

10. INSTALL ROOF SIDE RAIL WEATHERSTRIP (See page BO-40)**11. INSTALL ROOF SIDE INNER GARNISH****12. INSTALL FRONT SEAT OUTER BELT SHOULDER ANCHOR**

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

13. INSTALL QUARTER TRIM PANEL**14. INSTALL REAR SEAT OUTER BELT FLOOR ANCHOR**
Install the rear seat outer belt floor anchor with the bolts as shown in the illustration.

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

15. INSTALL REAR SEATBACK LOCK STRIKER

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

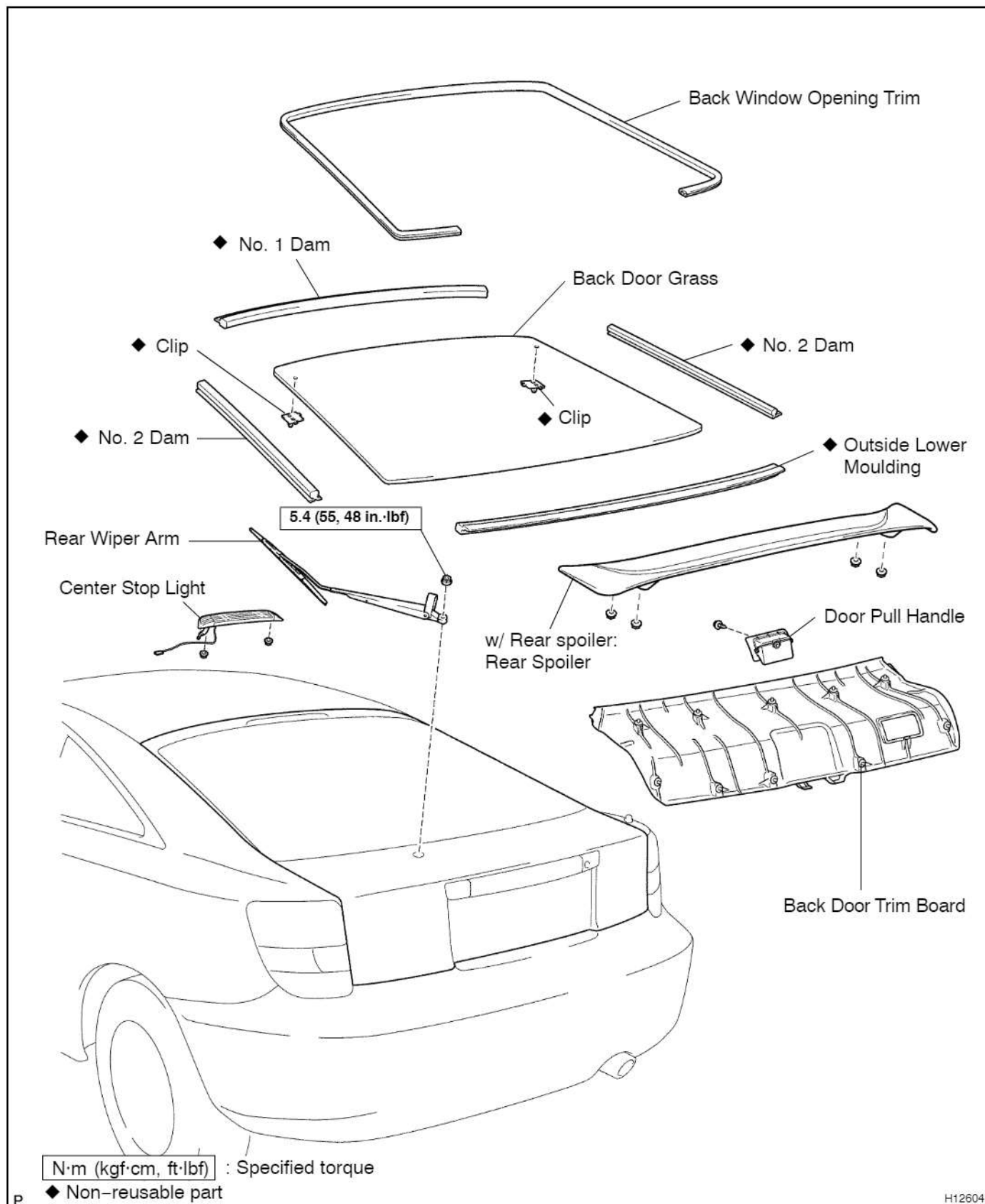
16. INSTALL REAR SEATBACK HINGE

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

17. INSTALL DECK TRIM SIDE PANEL**18. INSTALL REAR DECK TRIM COVER****19. INSTALL LUGGAGE COMPARTMENT MAT****20. INSTALL PACKAGE TRAY TRIM****21. INSTALL REAR SEAT (See page BO-105)****22. INSTALL DOOR SCUFF PLATE**

BACK DOOR GLASS COMPONENTS

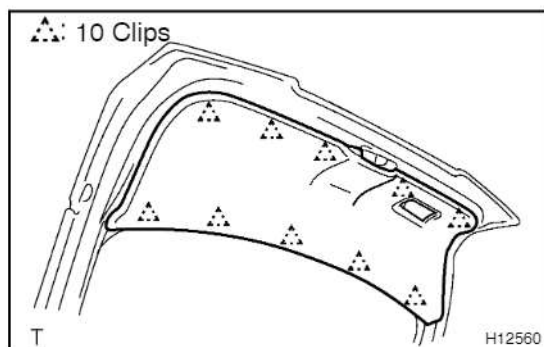
B01EL-05



H12604

REMOVAL

1. w/ Rear spoiler:
REMOVE REAR SPOILER
2. **REMOVE REAR WIPER ARM**
3. **REMOVE DOOR PULL HANDLE**

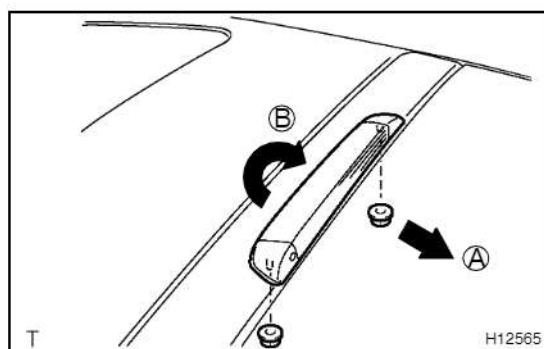


4. REMOVE BACK DOOR TRIM BOARD

Using a screwdriver, remove the back door trim board.

HINT:

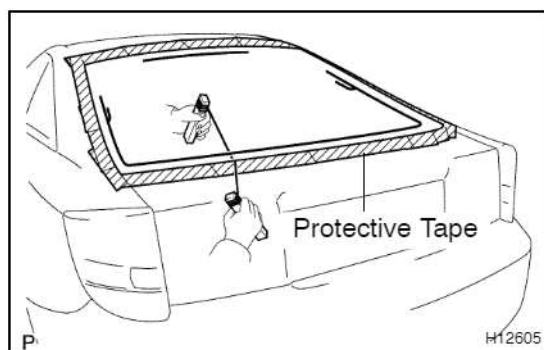
Tape the screwdriver tip before use.



5. REMOVE CENTER STOP LIGHT

- (a) Remove the 2 nuts.
- (b) Disconnect the connector and washer hose, then remove the center stop light in order A, B as shown in the illustration..

6. REMOVE BACK WINDOW OPENING TRIM



7. REMOVE BACK DOOR 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 object.

HINT:

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

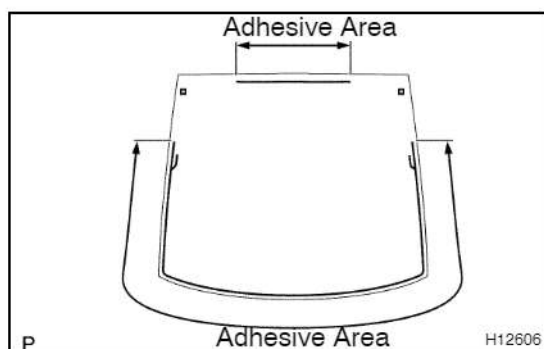
NOTICE:

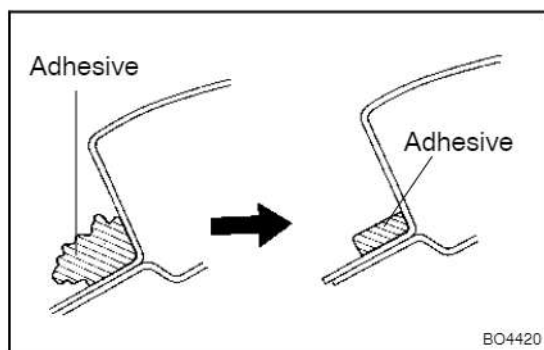
When separating the glass, take care not to damage the paint and exterior.

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

HINT:

Cut the adhesive areas as shown in the illustration.





INSTALLATION

1. CLEAN AND SHAPE CONTACT SURFACE OF BODY

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

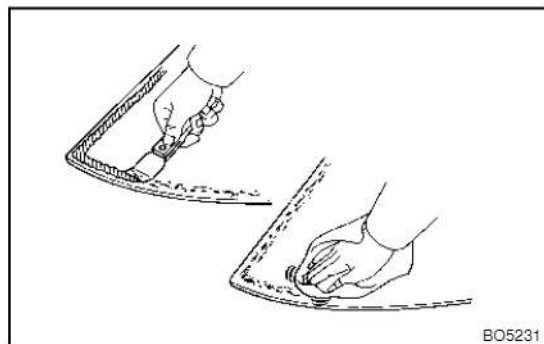
HINT:

Leave the adhesive on the body as much as possible.

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

HINT:

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

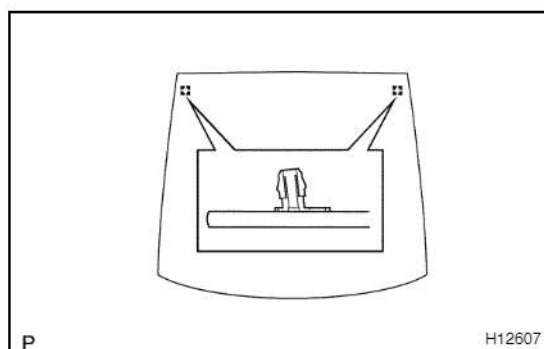


2. CLEAN REMOVED GLASS

- (a) Place marks for installing new clips to the glass.
- (b) Remove the damaged clips and dams.
- (c) Using a scraper, remove the adhesive sticking to the glass.
- (d) Clean the glass with cleaner.

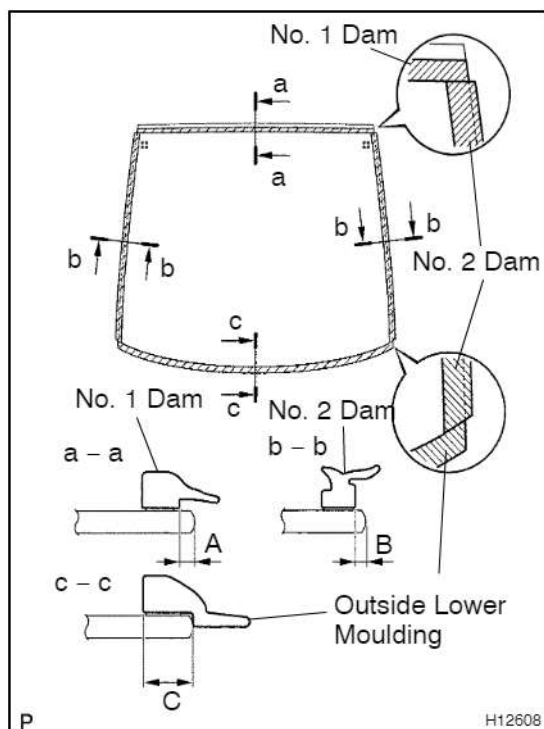
NOTICE:

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



3. If reusing the glass: INSTALL NEW CLIPS

Install new clips onto the glass.



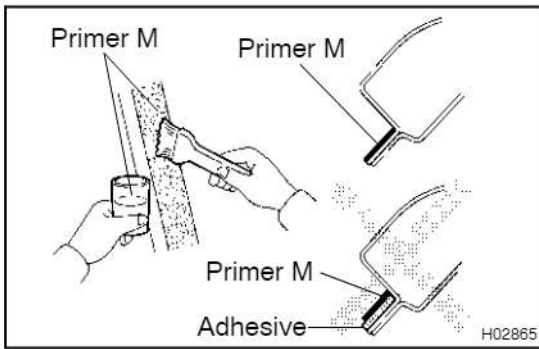
4. INSTALL NEW DAMS AND OUTSIDE LOWER MOULDING

Install new dams and outside lower moulding with adhesive tape as shown in the illustration.

A: 2.5 mm (0.098 in.)

B: 1.7 mm (0.067 in.)

C: 7.5 mm (0.295 in.)

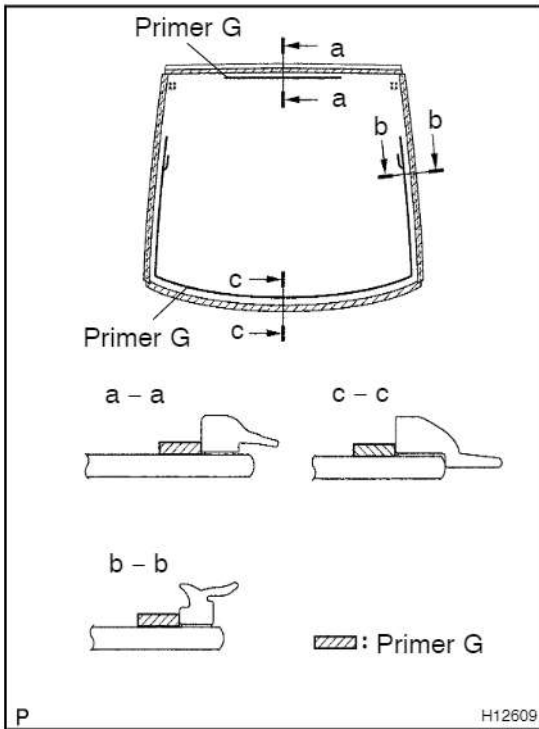


5. COAT CONTACT SURFACE OF BODY WITH PRIMER "M"

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.



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

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

NOTICE:

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

7. APPLY ADHESIVE

- Cut off the tip of the cartridge nozzle.

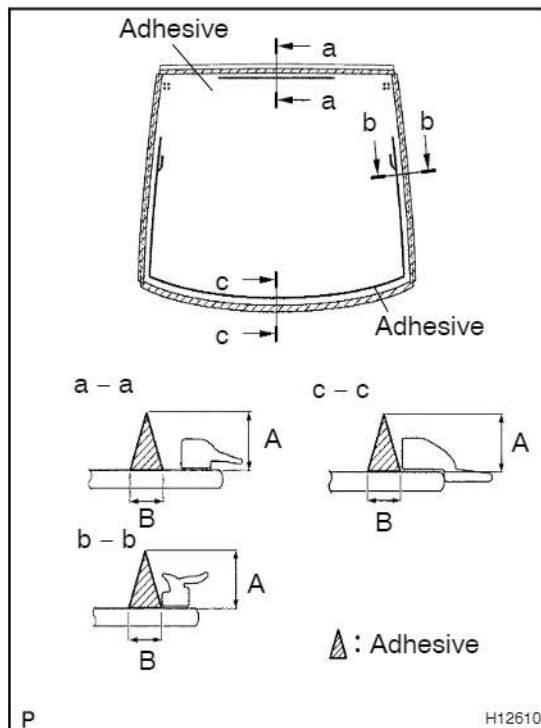
Part No. 08850-00801 or equivalent

HINT:

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

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

- Load the cartridge into the sealer gun.



- (c) Coat the glass with adhesive as shown in the illustration.
A: 12.0 mm (0.472 in.)
B: 8.0 mm (0.315 in.)

8. INSTALL BACK DOOR GLASS

- (a) Install the back door glass to the back door.

HINT:

Confirm that the dams is attached to the back door panel.

- (b) Hold the back door glass in place securely with a protective tape or equivalent until the adhesive hardenes.

NOTICE:

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

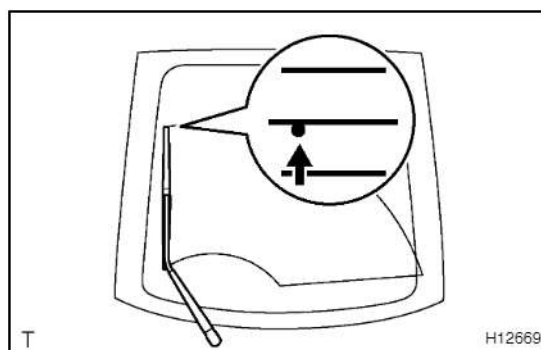
Temperature	Minimum time prior to driving the vehicle
35°C (95°F)	1.5 hours
20°C (68°F)	5 hours
5°C (41°F)	24 hours

9. INSPECT FOR LEAKS AND REPAIR

NOTICE:

Conduct a leak test after the hardening time has elapsed.

10. INSTALL BACK WINDOW OPENING TRIM
11. INSTALL CENTER STOP LIGHT
12. INSTALL BACK DOOR TRIM BOARD
13. INSTALL DOOR PULL HANDLE



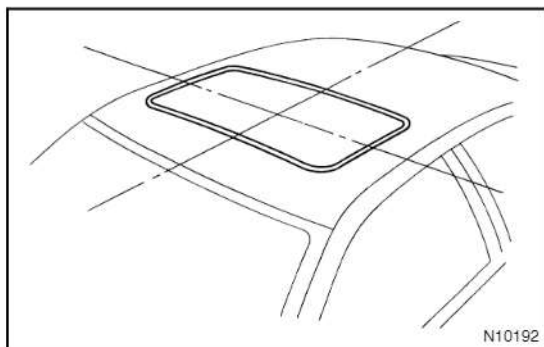
14. INSTALL REAR WIPER ARM

- (a) Operate the wiper motor once and turn the wiper switch OFF.
- (b) Install the rear wiper arm and tighten the nut by hand.
- (c) Adjust the installation position of the wiper arm at a point in defogger pattern.
- (d) Tighten the nut.

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

15. w/ Rear spoiler:

REMOVE REAR SPOILER



SLIDING ROOF ON-VEHICLE INSPECTION

B02NY-02

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 end:

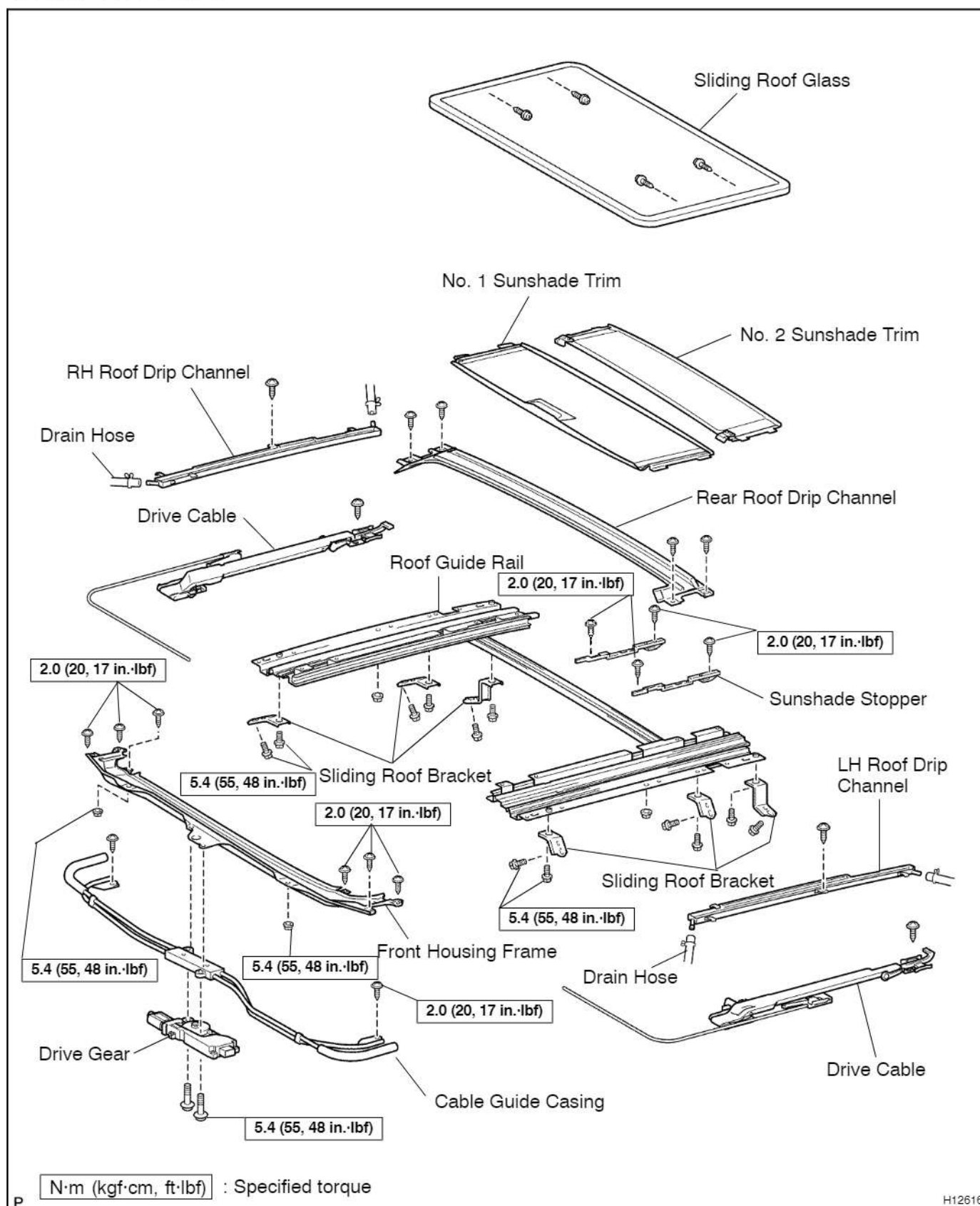
0 ± 1.5 mm (0 ± 0.059 in.)

Rear end:

0 + 1.5 mm (0 + 0.059 in.)

0 - 1.0 mm (0 - 0.039 in.)

COMPONENTS



H12616

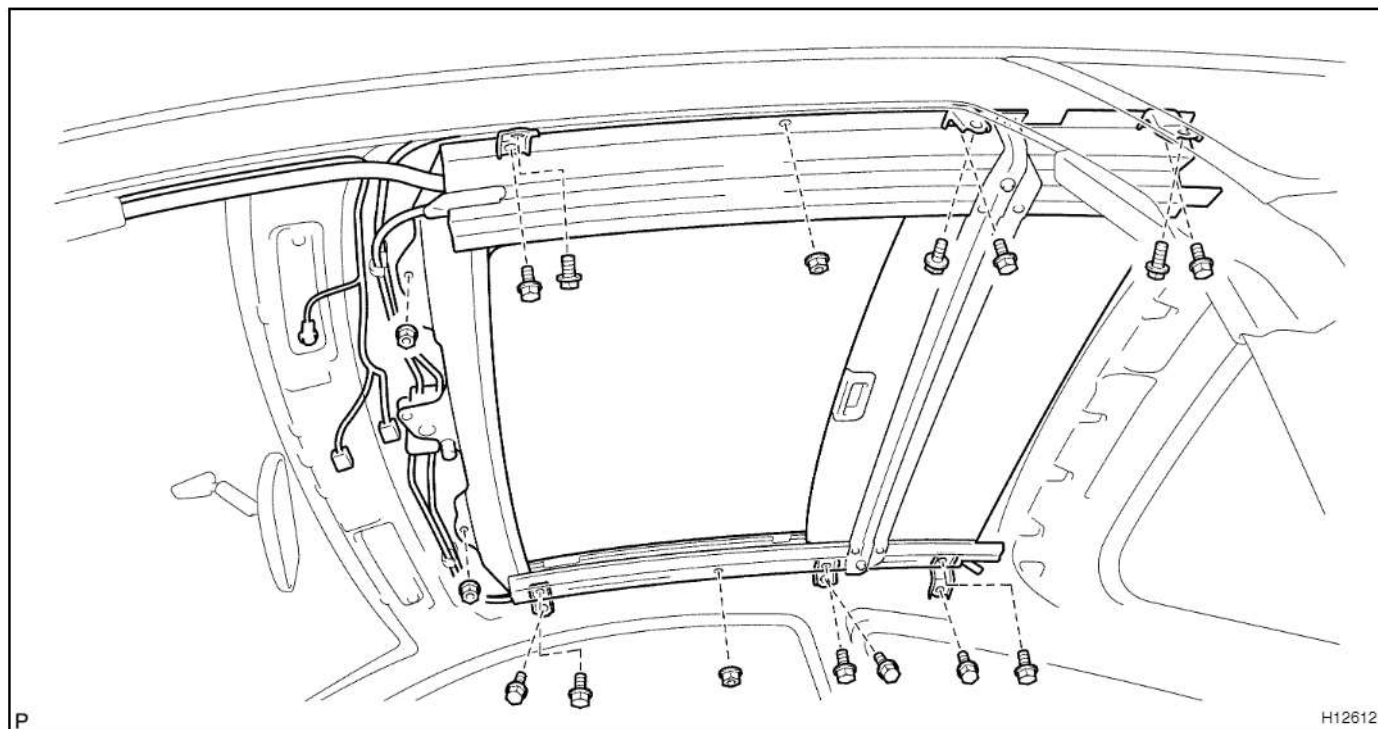
REMOVAL

1. **REMOVE ROOF HEADLINING**
(See page BO-88)
2. **REMOVE SLIDING ROOF GLASS**
 - (a) Remove the 4 screws.
 - (b) Pull the glass upward to remove it.
3. **REMOVE DRIVE GEAR**

NOTICE:

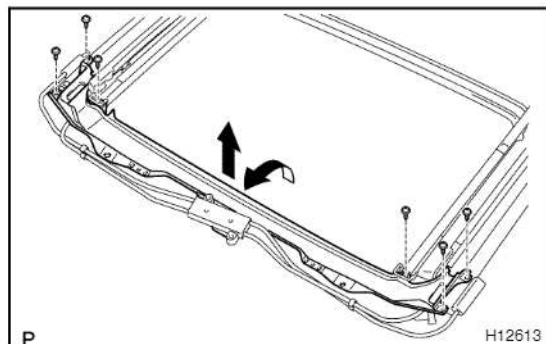
Remove the drive gear with the sliding roof fully closed.

- (a) Remove the 2 screws and room light bracket.
- (b) Disconnect the connector.
- (c) Remove the 2 bolts and drive gear.
Torque: 5.4 N·m (55 kgf·cm, 48 ft·lbf)
4. **REMOVE SLIDING ROOF HOUSING**
 - (a) Disconnect the 4 drain hoses from the housing.
 - (b) Remove the 12 bolts and 6 brackets.
Torque: 5.4 N·m (55 kgf·cm, 48 ft·lbf)
 - (c) Remove the 4 nuts, then remove the housing.
Torque: 5.4 N·m (55 kgf·cm, 48 ft·lbf)



DISASSEMBLY

1. REMOVE SUNSHADE STOPPERS
Torque: 2.0 N·m (20 kgf·cm, 17 in·lbf)
2. REMOVE NO. 1 AND NO. 2 SUNSHADE TRIMS

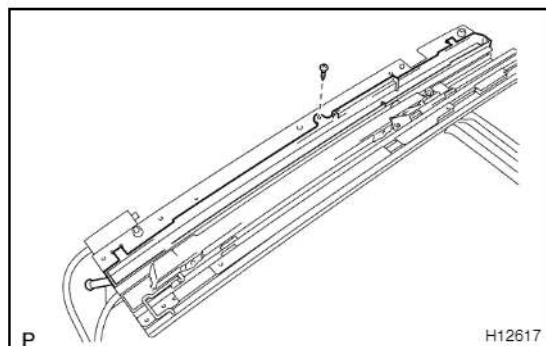


3. REMOVE FRONT HOUSING FRAME

Remove the 6 screws and front housing frame as shown in the illustration.

Torque: 2.0 N·m (20 kgf·cm, 17 in·lbf)

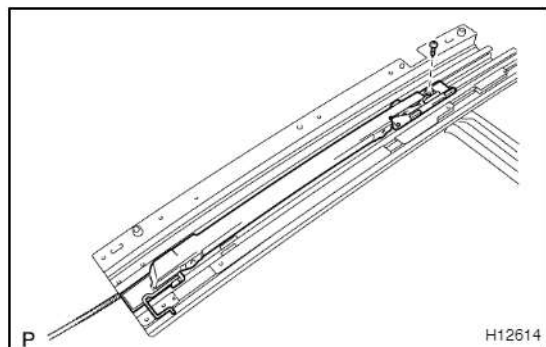
4. REMOVE REAR ROOF DRIP CANNEL



5. REMOVE LH AND RH ROOF DRIP CHANNEL

6. REMOVE CABLE GUIDE CASING

Torque: 2.0 N·m (20 kgf·cm, 17 in·lbf)



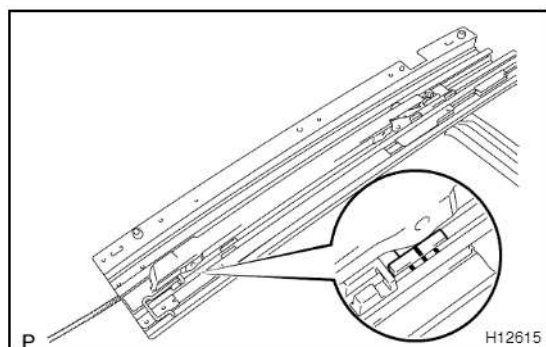
7. REMOVE DRIVE CABLE

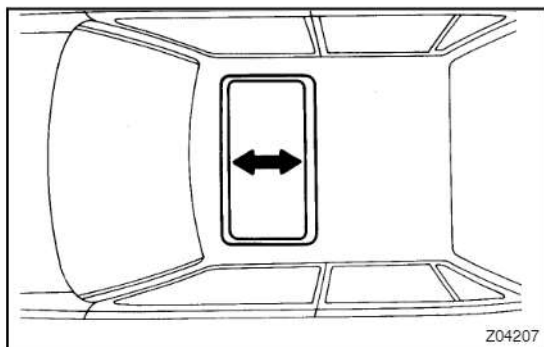
- (a) Remove the screw.
- (b) Slide the drive cable rearward, then remove it.
- (c) Employ the same manner described above to the other side.

HINT:

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

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





ADJUSTMENT

1. ADJUST SLIDING ROOF GLASS FORWARD OR REARWARD

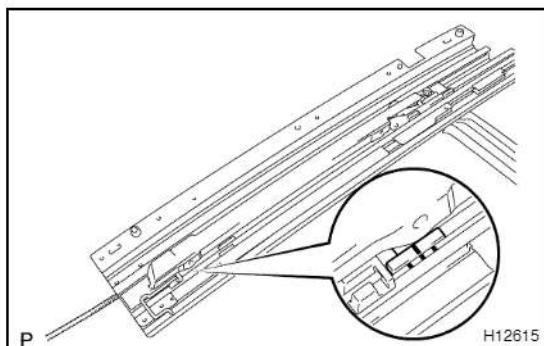
- (a) Loosen the sliding roof glass installation bolts.
- (b) Adjust the slide roof glass forward or rearward.

2. ADJUST SLIDING ROOF GLASS IN CLEARANCE (Difference in left and right clearance)

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

NOTICE:

Remove the drive gear with the sliding roof fully closed.



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

REASSEMBLY

Reassembly is in the reverse order of disassembly (See page BO-72).

INSTALLATION

Installation is in the reverse order of removal (See page BO-88).

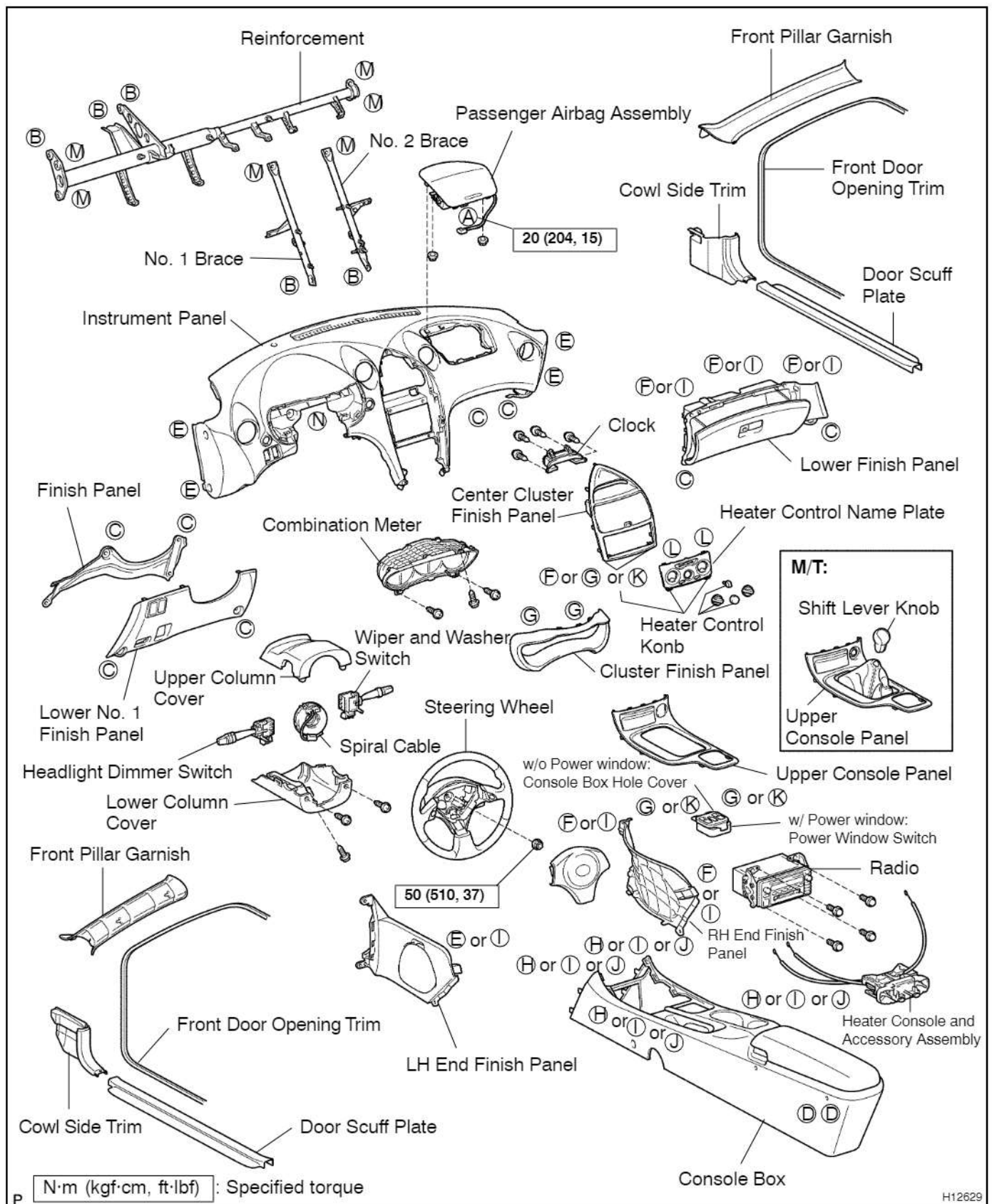
HINT:

After installing the sliding roof, sliding roof need to be re-initialized.

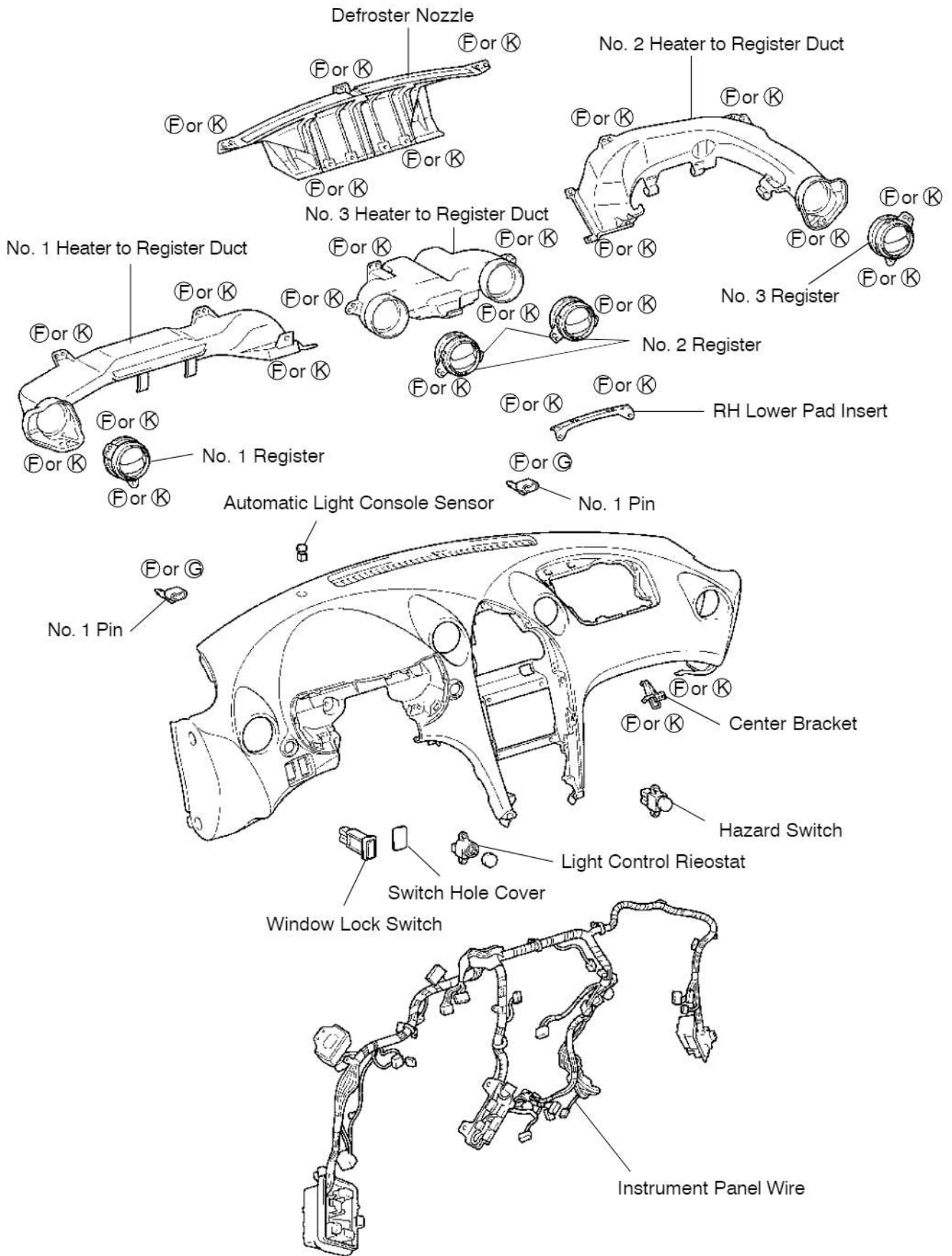
Refer to BE-86.

INSTRUMENT PANEL COMPONENTS

B01EV-08

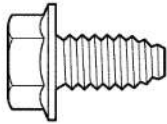
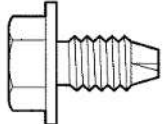
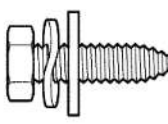
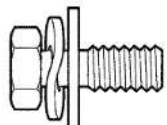
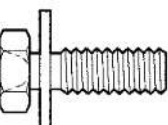
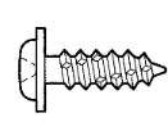
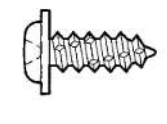
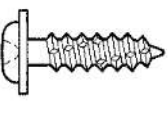
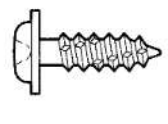
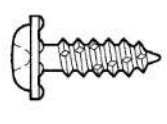
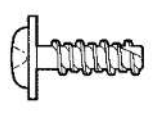
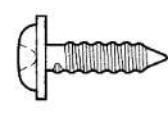
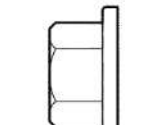
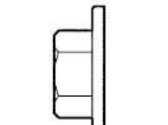


H12629



HINT:

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

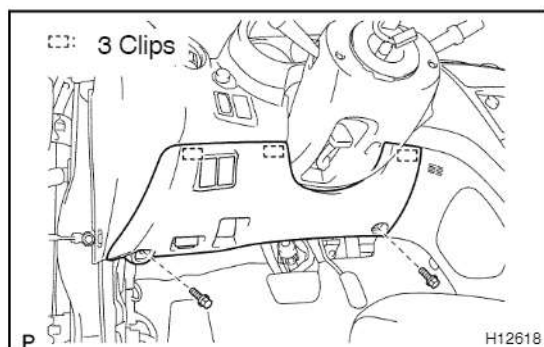
mm (in.)								
	Shape	Size		Shape	Size		Shape	Size
Ⓐ		ø = 8 (0.32) L = 16 (0.63)	Ⓑ		ø = 8 (0.32) L = 15 (0.59)	Ⓒ		ø = 6 (0.24) L = 22 (0.87)
Ⓓ		ø = 6 (0.24) L = 16 (0.63)	Ⓔ		ø = 6 (0.24) L = 18 (0.71)	Ⓕ		ø = 5.22 (0.2055) L = 16 (0.63)
Ⓖ		ø = 5.22 (0.2055) L = 16 (0.63)	Ⓖ		ø = 5 (0.20) L = 18 (0.71)	Ⓖ		ø = 5 (0.20) L = 16 (0.63)
Ⓙ		ø = 5 (0.20) L = 16 (0.63)	Ⓚ		ø = 5 (0.20) L = 14 (0.55)	Ⓛ		ø = 4 (0.16) L = 16 (0.63)
Ⓜ		ø = 8 (0.32)	Ⓝ		ø = 6 (0.24)			

P

H12659

REMOVAL

1. REMOVE STEERING WHEEL PAD AND STEERING WHEEL (See page SR-13)
2. REMOVE DOOR SCUFF PLATE
3. REMOVE COWL SIDE TRIM

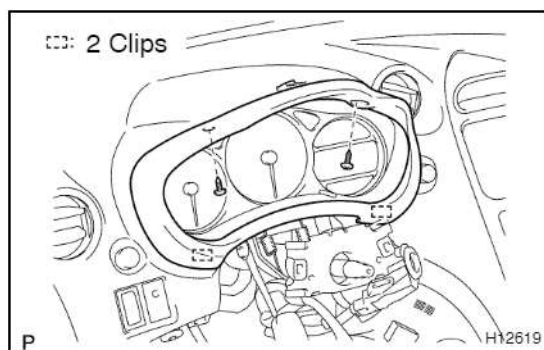


4. REMOVE LOWER NO. 1 FINISH PANEL
 - (a) Remove the 2 screws and hood lock release lever.
 - (b) Remove the 2 bolts.
 - (c) Using a screwdriver, remove the lower No. 1 finish panel.

HINT:

Tape the screwdriver tip before use.

5. REMOVE FINISH PANEL
6. REMOVE COLUMN COVERS (See page SR-13)
7. REMOVE SPIRAL CABLE (See page SR-13)
8. REMOVE WIPER AND WASHER SWITCH AND LIGHT CONTROL SWITCH AND HEADLIGHT DIMMER SWITCH (See page SR-13)

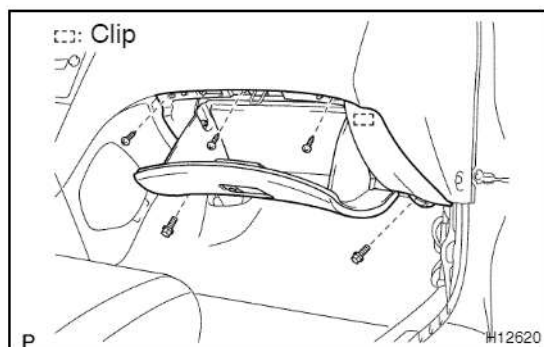


9. REMOVE CLUSTER FINISH PANEL
 - (a) Remove the 2 screws.
 - (b) Using a screwdriver, remove the cluster finish panel.

HINT:

Tape the screwdriver tip before use.

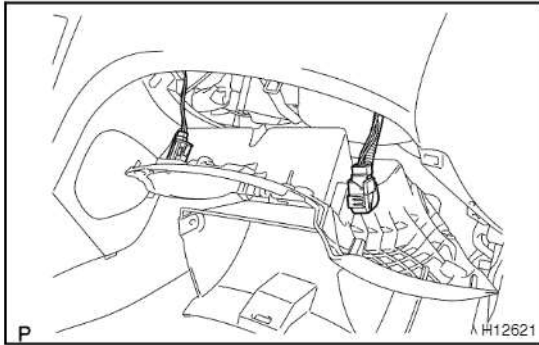
10. REMOVE COMBINATION METER



11. REMOVE LOWER FINISH PANEL
 - (a) Remove the 2 bolts and 3 screws.
 - (b) Using a screwdriver, disconnect the lower finish panel.

HINT:

Tape the screwdriver tip before use.



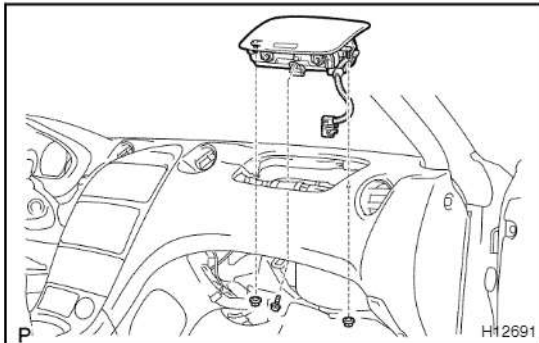
- (c) Using a clip remover, disengage the airbag connector clamp.
- (d) Disconnect the connector, then remove the lower finish panel.

12. DISCONNECT PASSENGER AIRBAG CONNECTOR

Disconnect the passenger airbag connector.

NOTICE:

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

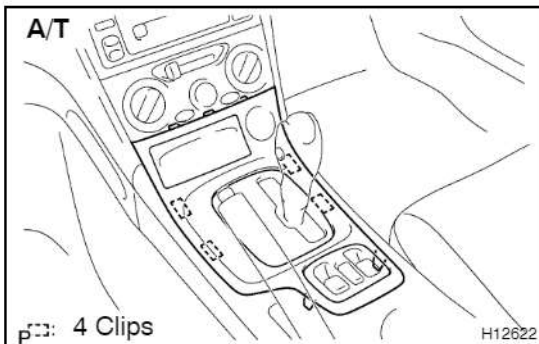


13. REMOVE PASSENGER AIRBAG ASSEMBLY

Remove the bolt, 2 nuts, and passenger airbag assembly.

Torque:

Bolt: 20 N·m (204 kgf·cm, 15 ft·lbf)



14. REMOVE UPPER CONSOLE PANEL

- (a) M/T:
Remove the shift lever knob.
- (b) Using a screwdriver, remove the upper console panel, the disconnect the connector.

HINT:

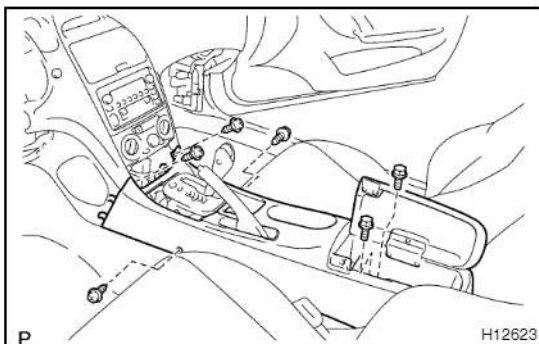
Tape the screwdriver tip before use.

15. w/ Power window:

REMOVE POWER WINDOW CONTROL SWITCH

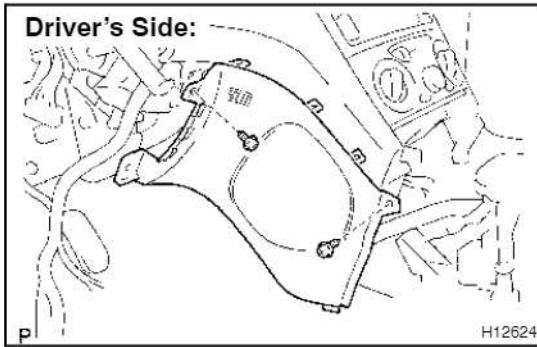
16. w/o Power window:

REMOVE CONSOLE BOX HOLE COVER



17. REMOVE CONSOLE BOX

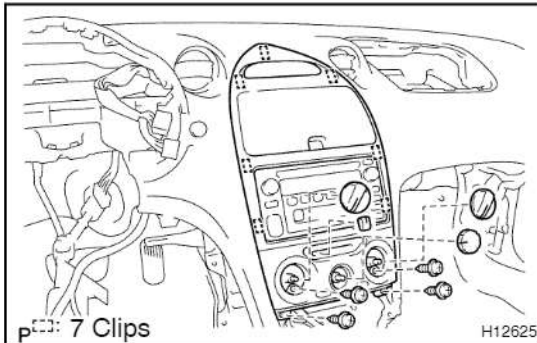
- (a) Remove the box bottom mat.
- (b) Remove the 2 bolts, 4 screws and console box.

**18. REMOVE END FINISH PANELS**

- (a) Driver's side:
Remove the 2 screws.
- (b) Passenger's side:
Remove the screws.
- (c) Using a screwdriver, remove the end finish panels.

HINT:

Tape the screwdriver tip before use.

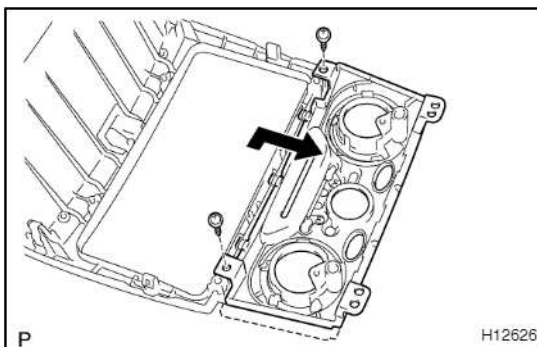
**19. REMOVE CENTER CLUSTER FINISH PANEL WITH HEATER CONTROL NAME PLATE**

- (a) Remove the heater control knobs.
- (b) Remove the 4 screws.
- (c) Using a screwdriver, remove the center cluster finish panel with heater control name plate, then disconnect the connector.

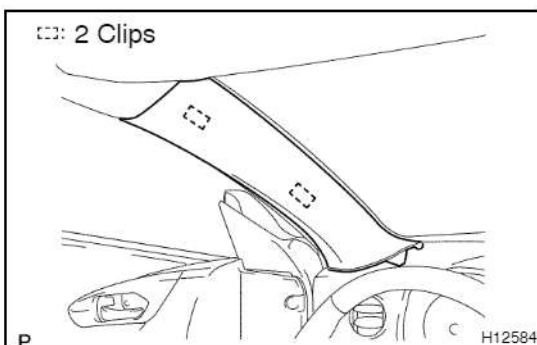
HINT:

Tape the screwdriver tip before use.

- (d) Remove the 4 screws and clock from the center cluster finish panel.



- (e) Remove the 2 screws and heater control name plate from the center cluster finish panel as shown in the illustration.

20. w/ Radio:**REMOVE RADIO****21. w/o Radio:****REMOVE STEREO OPENING COVER ASSEMBLY****22. REMOVE HEATER CONTROL AND ACCESSORY ASSEMBLY (See page AC-66)****23. REMOVE STEERING COLUMN (See page SR-13)****24. REMOVE FRONT PILLAR GARNISH**

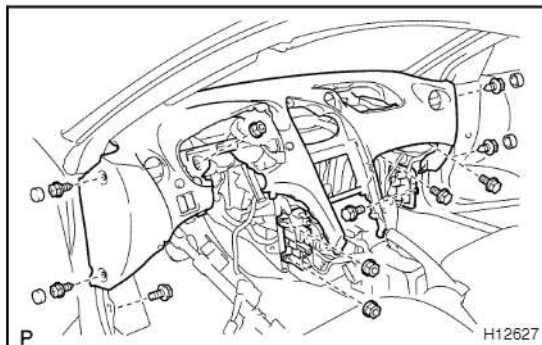
- (a) Using a screwdriver, remove the front pillar garnish.

HINT:

Tape the screwdriver tip before use.

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

25. REMOVE FRONT DOOR OPENING TRIM

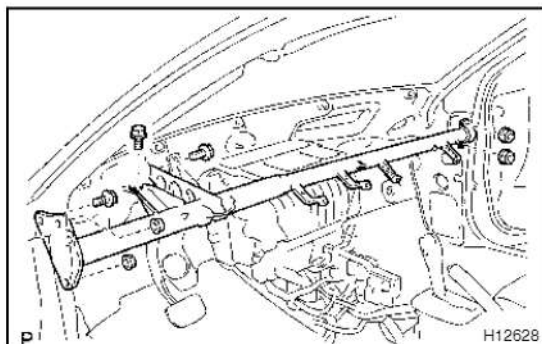
**26. REMOVE INSTRUMENT PANEL**

- (a) Disconnect the connectors.
- (b) Disengage the wire harness clamps.
- (c) Remove the J/B set bolts and nuts.
- (d) Using a screwdriver, remove the 4 caps.

HINT:

Tape the screwdriver tip before use.

- (e) Remove the 2 bolts, nut, 4 screws and instrument panel.

27. REMOVE NO. 1 AND NO. 2 BRACE**28. REMOVE REINFORCEMENT**

- (a) w/ ABS:
Remove the 2 nuts and ABS ECU.
- (b) Remove the 3 bolts, 4 nuts and reinforcement.

DISASSEMBLY

1. REMOVE NO. 1 PINS
2. REMOVE INSTRUMENT PANEL WIRE
3. REMOVE DEFROSTER NOZZLE
4. REMOVE NO. 1 HEATER TO REGISTER DUCT
5. REMOVE NO. 2 HEATER TO REGISTER DUCT
6. REMOVE NO. 3 HEATER TO REGISTER DUCT
7. REMOVE AUTOMATIC LIGHT CONTROL SENSOR
8. REMOVE LIGHT CONTROL RHEOSTAT
9. REMOVE HAZARD SWITCH
10. REMOVE WINDOW LOCK SWITCH
11. REMOVE SWITCH HOLE COVER
12. REMOVE NO. 1 REGISTER
13. REMOVE NO. 2 REGISTERS
14. REMOVE NO. 3 REGISTER
15. REMOVE RH LOWER PAD INSERT
16. REMOVE CENTER BRACKET

REASSEMBLY

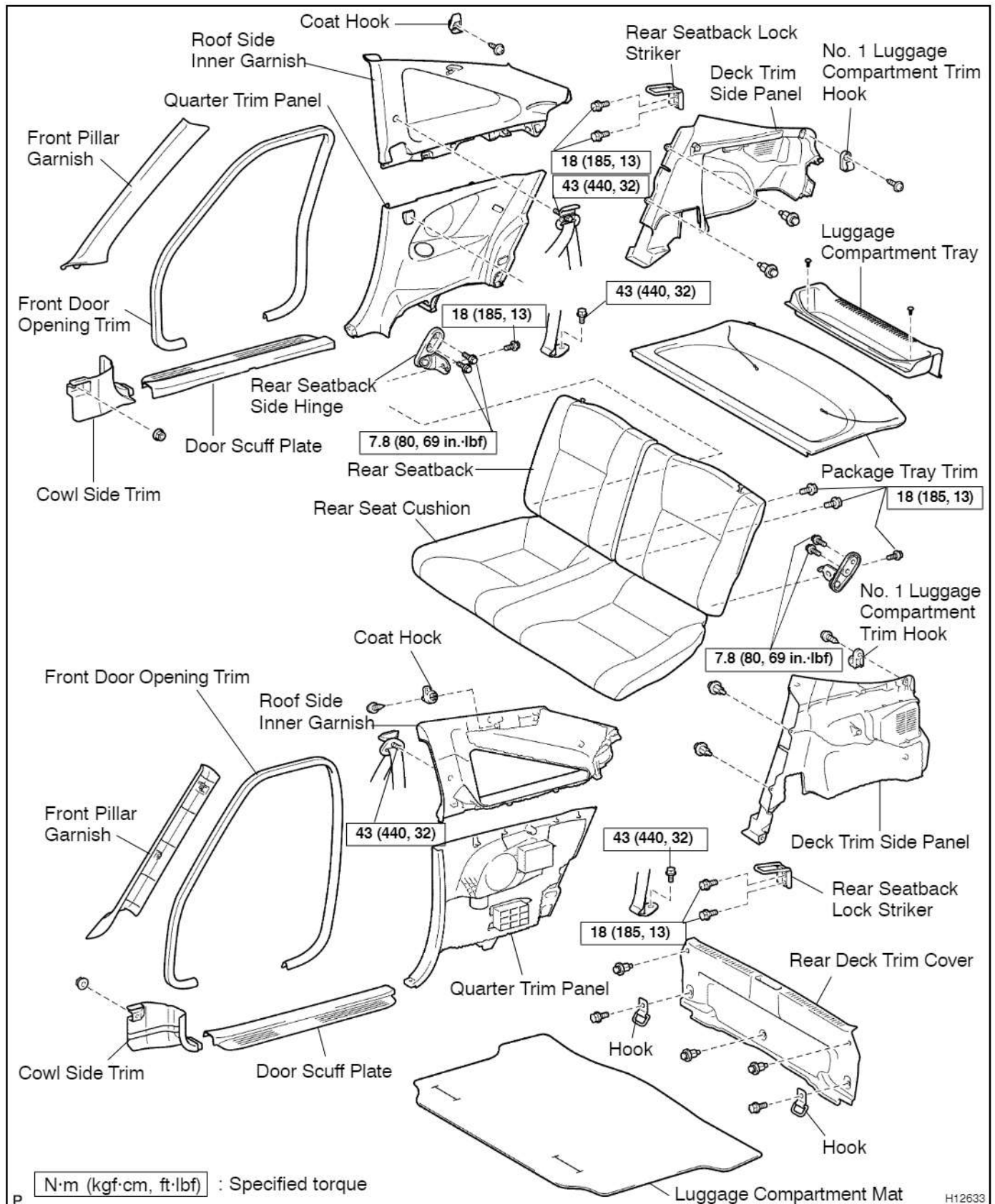
Reassembly is in the reverse order of disassembly (See page BO-83).

INSTALLATION

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

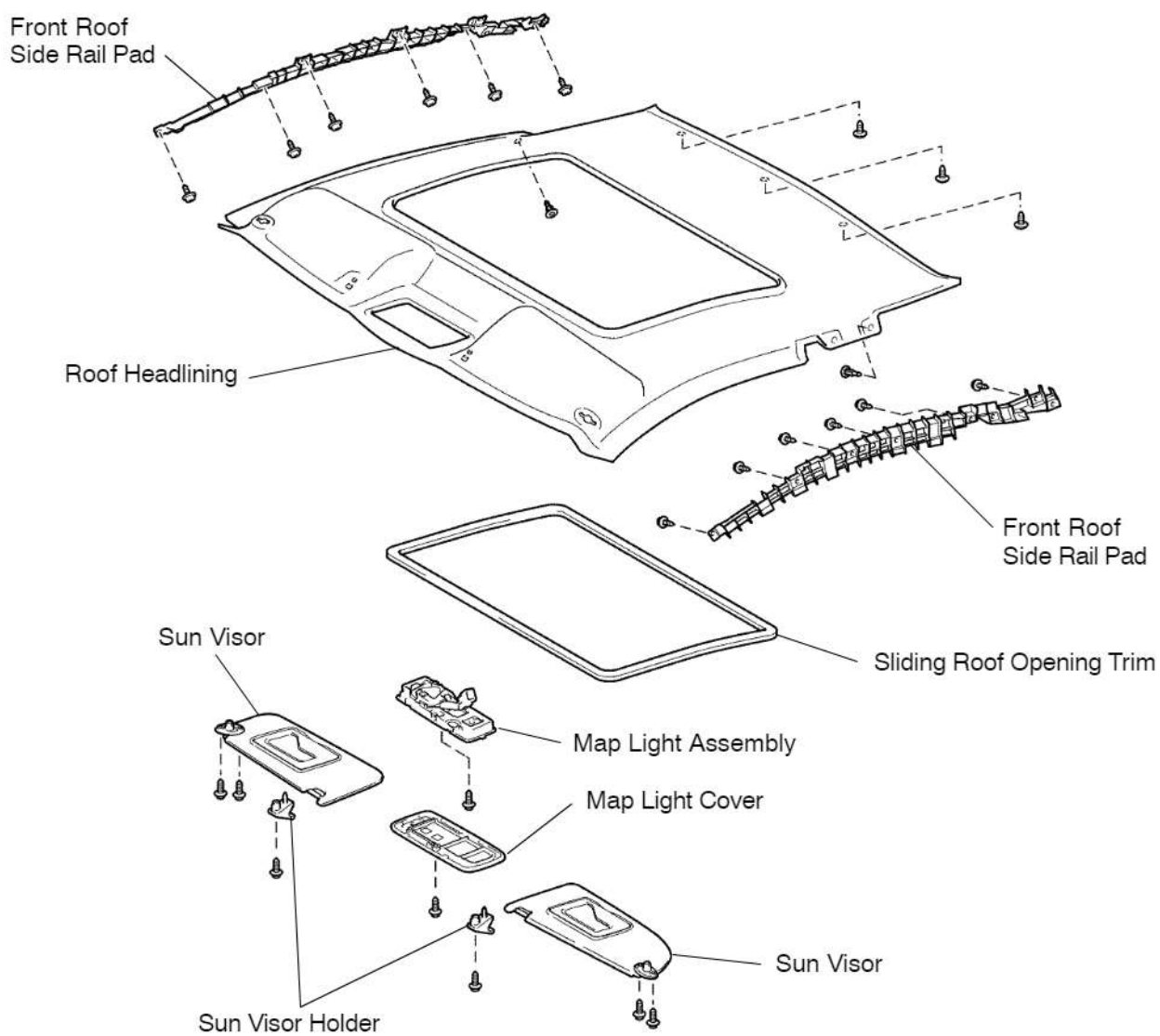
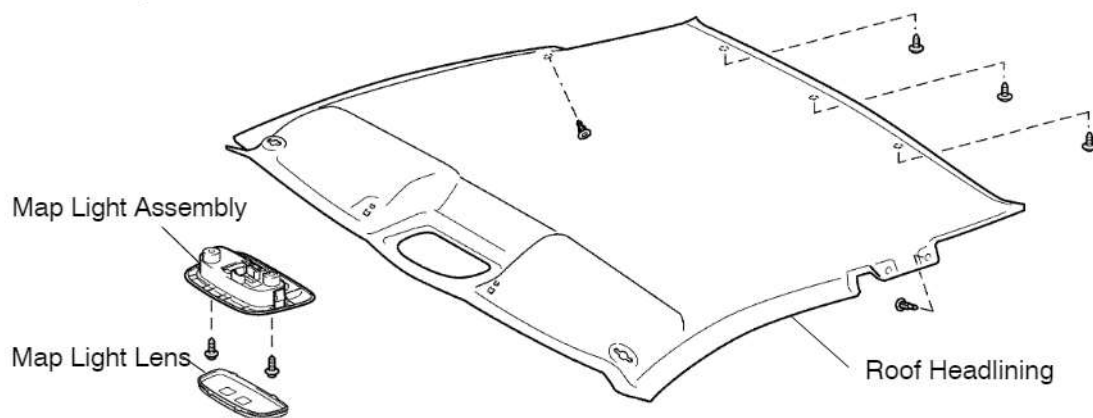
ROOF HEADLINING COMPONENTS

B0209-02



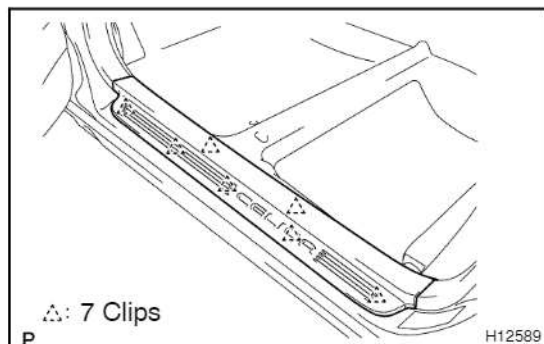
H12633

w/o Sliding roof:



P

H12652



REMOVAL

1. REMOVE DOOR SCUFF PLATE

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

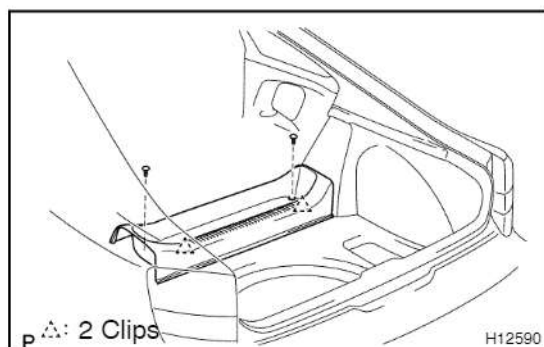
HINT:

Tape the screwdriver tip before use.

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

2. REMOVE PACKAGE TRAY TRIM

3. REMOVE REAR SEAT (See page BO-102)



4. REMOVE LUGGAGE COMPARTMENT TRAY

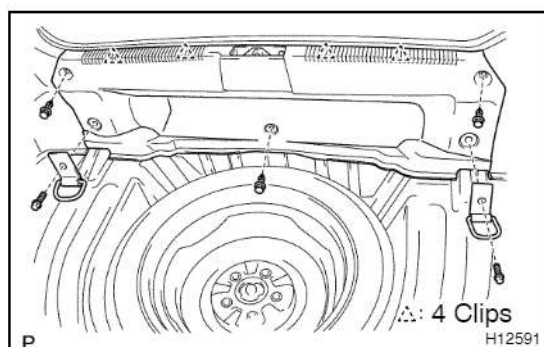
- (a) Using a clip remover, remove the 2 clips.

- (b) Using a screwdriver, remove the luggage compartment tray.

HINT:

Tape the screwdriver tip before use.

5. REMOVE LUGGAGE COMPARTMENT MAT



6. REMOVE REAR DECK TRIM COVER

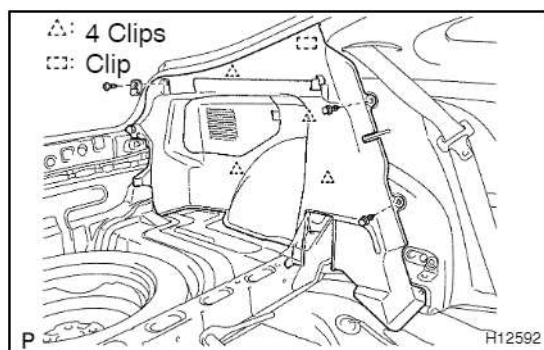
- (a) Remove the 2 bolts and 2 hooks.

- (b) Remove the 3 clips.

- (c) Using a screwdriver, remove the rear deck trim cover.

HINT:

Tape the screwdriver tip before use.



7. REMOVE DECK TRIM SIDE PANEL

- (a) Remove the screw and No. 1 luggage compartment trim hook.

- (b) RH side:

Using a screwdriver, remove the rear room light, then disconnect the connector.

HINT:

Tape the screwdriver tip before use.

- (c) Remove the 2 clips.

- (d) Using a screwdriver, remove the deck trim side panel.

HINT:

Tape the screwdriver tip before use.

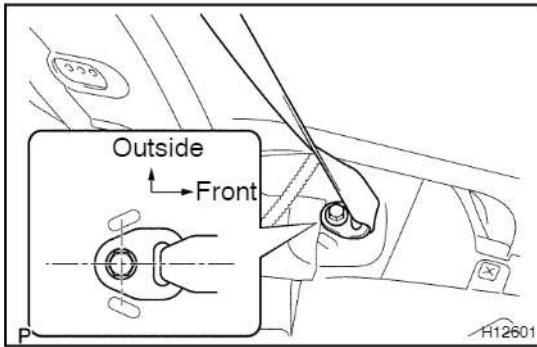
- (e) Employ the same manner described above to the other side.

8. REMOVE REAR SEATBACK HINGES

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

9. REMOVE REAR SEATBACK LOCK STRIKERS

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

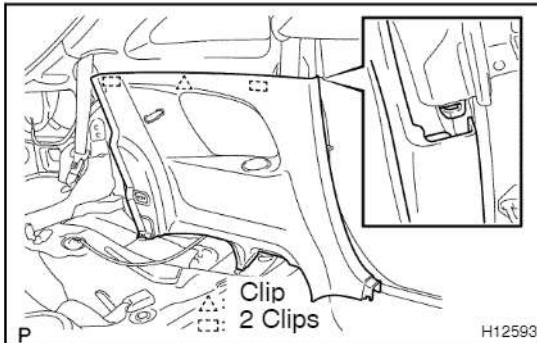


10. REMOVE REAR SEAT OUTER BELT FLOOR ANCHORS

HINT:

At the time of installation, please refer to the following item. Install the rear seat outer belt floor anchor as shown in the illustration.

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



11. REMOVE QUARTER TRIM PANEL

(a) Using a screwdriver, remove the quarter trim panel.

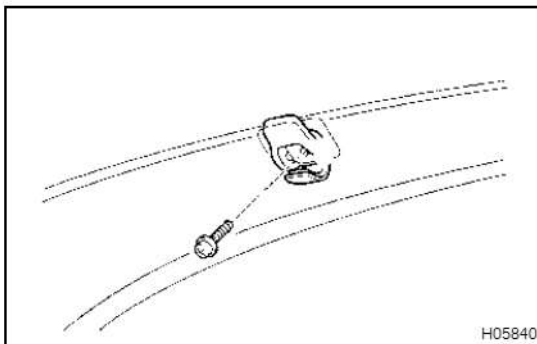
HINT:

Tape the screwdriver tip before use.

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

12. REMOVE FRONT SEAT OUTER BELT SHOULDER ANCHOR

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



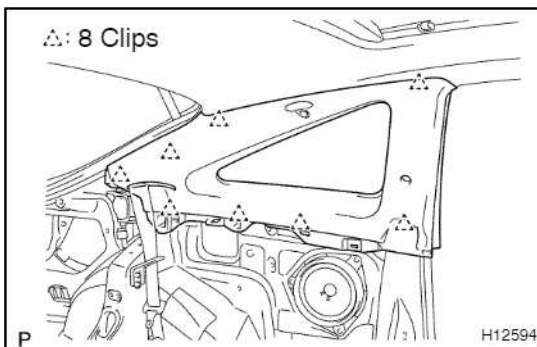
13. REMOVE ROOF SIDE INNER GARNISH

(a) Using a screwdriver, open the cap of coat hook.

HINT:

Tape the screwdriver tip before use.

(b) Remove the screw and coat hook.

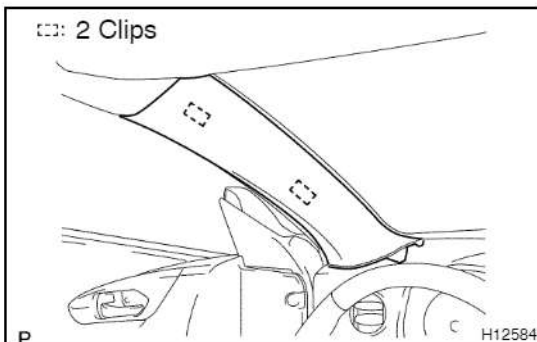


(c) Using a screwdriver, remove the roof side inner quarter.

HINT:

Tape the screwdriver tip before use.

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



14. REMOVE FRONT PILLAR GARNISH

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

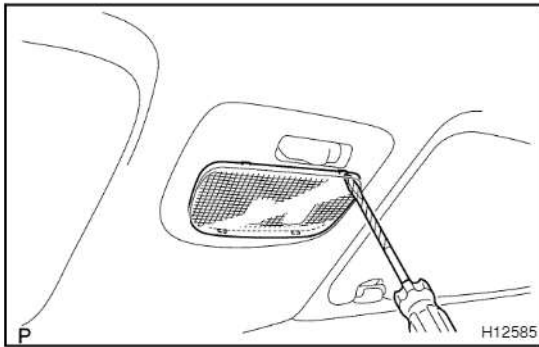
HINT:

Tape the screwdriver tip before use.

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

15. REMOVE COWL SIDE TRIMS

16. REMOVE FRONT DOOR OPENING TRIMS

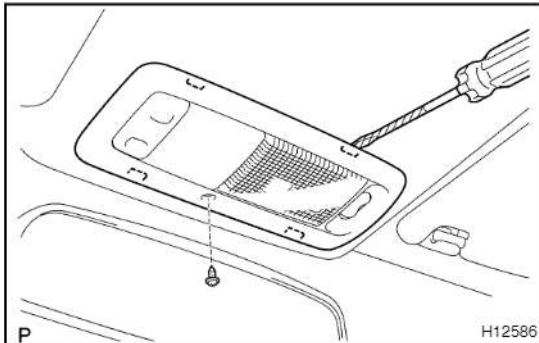
**17. w/o Sliding roof:****REMOVE MAP LIGHT ASSEMBLY**

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

HINT:

Tape the screwdriver tip before use.

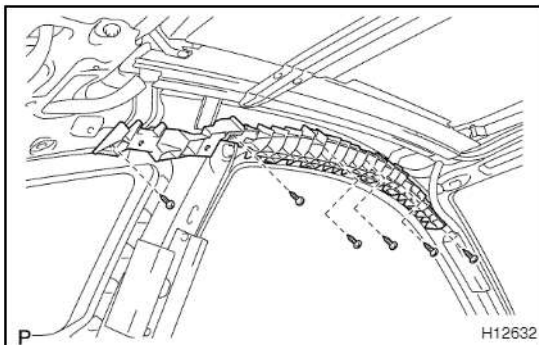
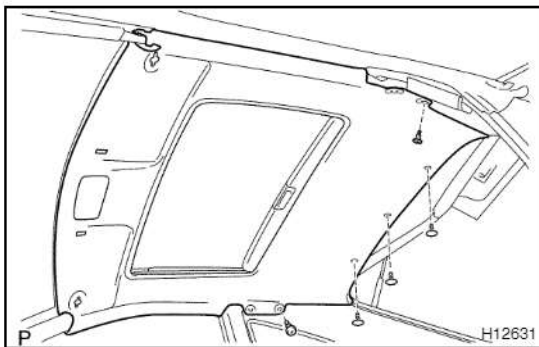
- (b) Remove the 2 screws and map light assembly, then disconnect the connector.

**18. w/ Sliding roof:****REMOVE MAP LIGHT ASSEMBLY**

- (a) Remove the screw.
 (b) Using a moulding remover, remove the cover.
 (c) Remove the screw and map light assembly, then disconnect the connector.

19. w/ Sliding roof:**REMOVE SUN ROOF OPENING TRIM MOULDING****20. REMOVE SUN VISORS****21. REMOVE SUN VISOR HOLDERS****22. REMOVE ROOF HEADLINING**

- (a) Using a clip remover, remove the 5 clips.
 (b) Remove the roof headlining.

23. REMOVE CLIP STOPPERS**24. REMOVE FRONT ROOF SIDE RAIL PAD**

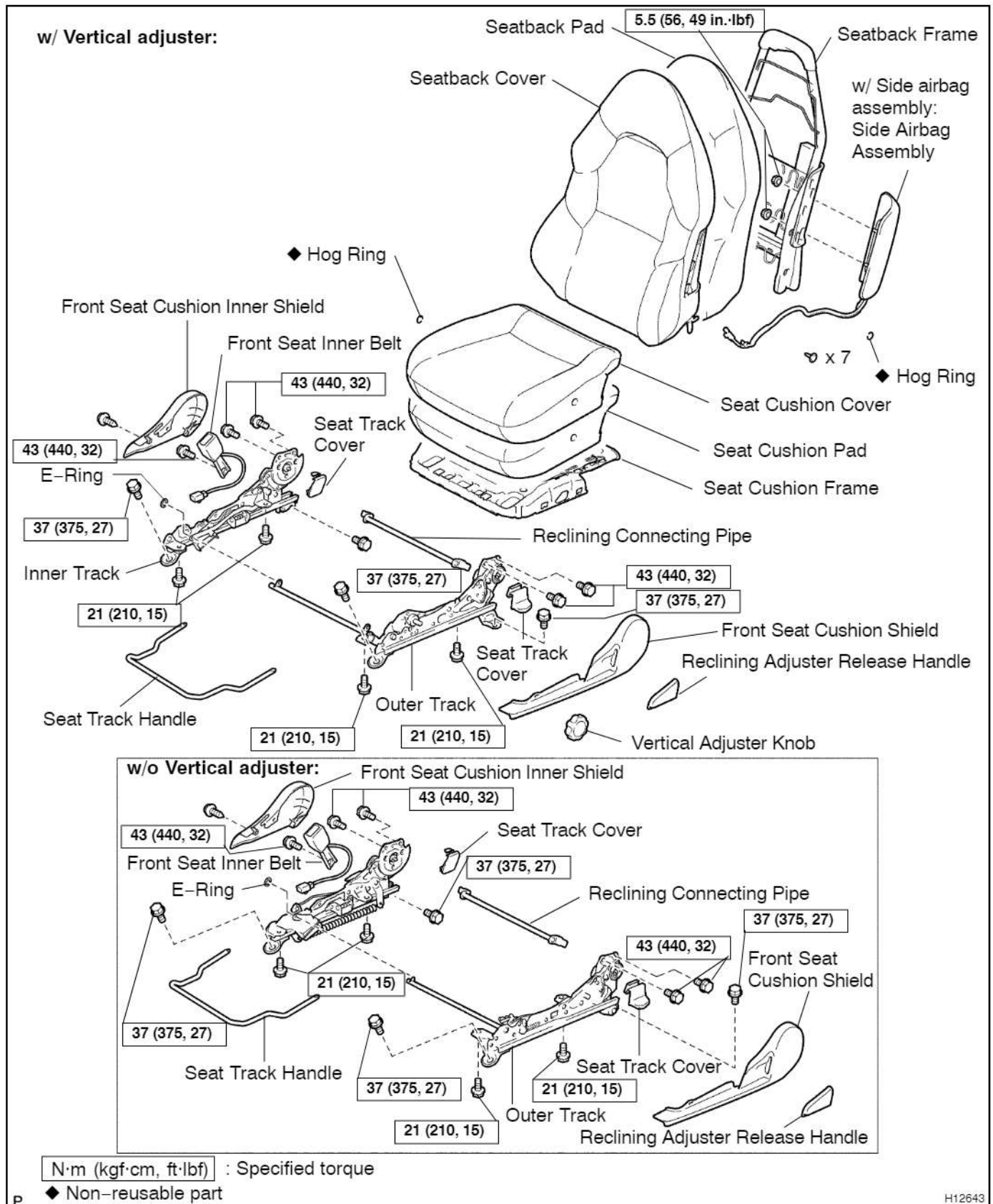
- (a) Remove the 6 screws and front roof side rail pad.
 (b) Employ the same manner described above to the other side.

INSTALLATION

Installation is in the reverse order of removal (See page BO-88).

FRONT SEAT COMPONENTS

B01F6-08



H12643

REMOVAL

1. REMOVE SEAT TRACK COVERS

Using a screwdriver, remove the seat track covers.

HINT:

Tape the screwdriver tip before use.

2. REMOVE FRONT SEAT

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

NOTICE:

Be careful not to damage the body.

DISASSEMBLY

1. w/ Vertical adjuster:

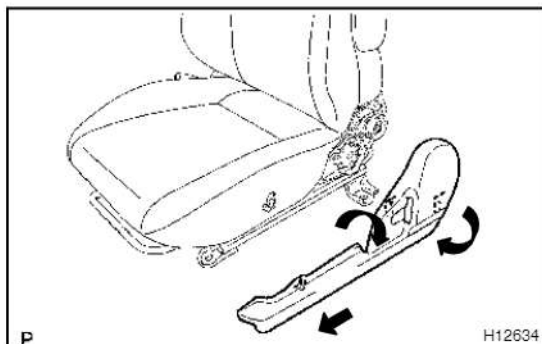
REMOVE VERTICAL ADJUSTER KNOB

Using a screwdriver, remove the clip and vertical adjuster knob.

HINT:

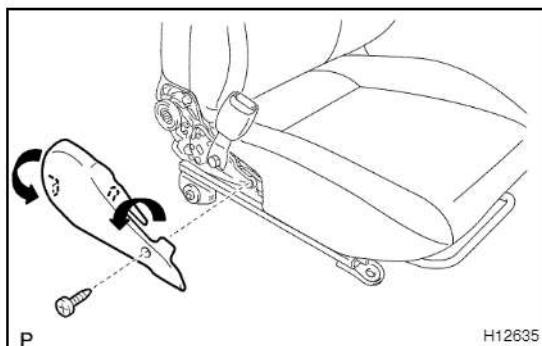
Tape the screwdriver tip before use.

2. REMOVE RECLINING ADJUSTER RELEASE HANDLE



3. REMOVE FRONT SEAT CUSHION SHIELD

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



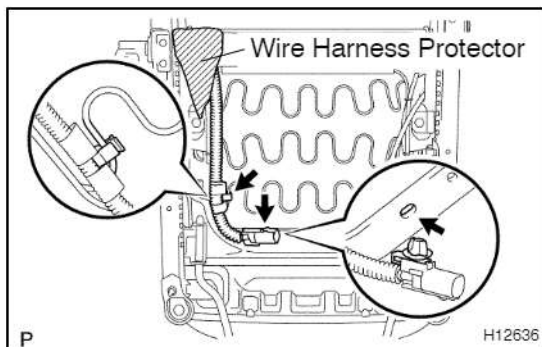
4. REMOVE FRONT SEAT CUSHION INNER SHIELD

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

5. REMOVE SEATBACK ASSEMBLY

(a) Remove the hog rings.

(b) Zip the seatback cover open.



(c) w/ Side airbag assembly:

Turn over the wire harness protector as shown in the illustration.

(d) w/ Side airbag assembly:

Disengage the side airbag wire harness from the seat cushion frame.

(e) w/ Side airbag assembly:

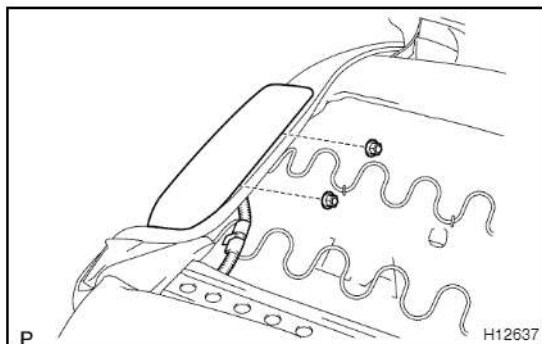
Pull out the side airbag wire harness from the slit of seatback cover.

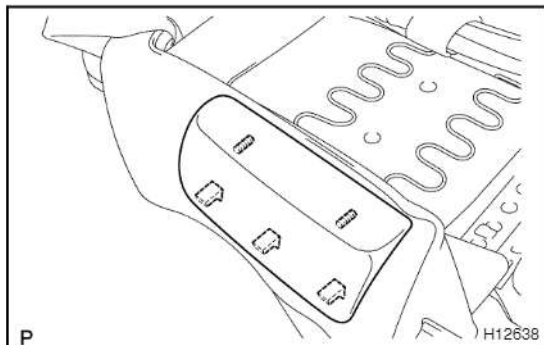
(f) Remove the 4 bolts and seatback assembly.

6. REMOVE SEATBACK COVER

(a) w/ Side airbag assembly:

Disengage the clamp of side airbag wire harness, then remove the 2 nuts.

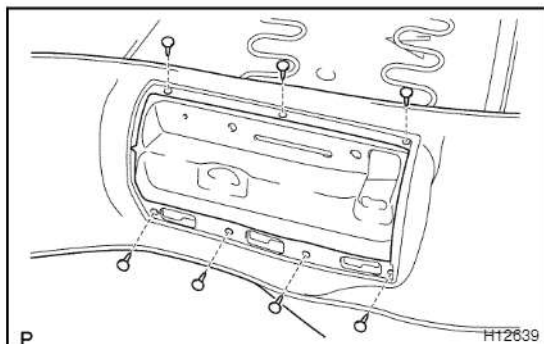




- (b) w/ Side airbag assembly:
Remove the side airbag assembly as shown in the illustration.

CAUTION:

- **Do not store the side airbag assembly with the airbag deployment side facing down.**
- **Never disassemble the side airbag assembly.**



- (c) w/ Side airbag assembly:
Using a clip remover, remove the 7 clips.
- (d) Remove the seatback frame.
- (e) Remove the seatback cover from the seatback cushion.

7. REMOVE FRONT SEAT INNER BELT**8. REMOVE SEAT CUSHION ASSEMBLY**

- (a) Remove the 4 bolts and seat cushion assembly.
- (b) Remove the hog rings.
- (c) Disengage the seat cushion cover hooks and remove the seat cushion frame.
- (d) Remove the seat cushion cover from the seat cushion pad.

9. REMOVE SEAT TRACK HANDLE

Using a screwdriver, remove the seat track handle.

HINT:

Tape the screwdriver tip before use.

10. REMOVE RECLINING CONNECTING PIPE**11. DISASSEMBLE OUTER 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:

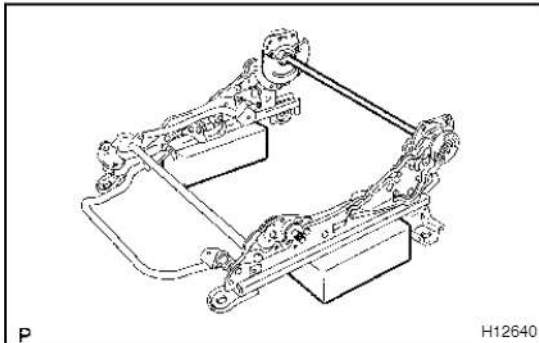
When sliding lock positions slip off, loosen the bolts to adjust the position.

REASSEMBLY

1. ASSEMBLE OUTER TRACK AND INNER TRACK

Assemble the outer track and inner track with a new E-ring.

2. INSTALL SEAT TRACK HANDLE



3. INSTALL RECLINING CONNECTING PIPE

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

HINT:

When installing the connecting pipe while raising up the adjusters, the lock position adjusted in 3-(a) may become detached. When this happens, a lock error will occur.

4. INSTALL SEAT CUSHION ASSEMBLY

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

HINT:

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

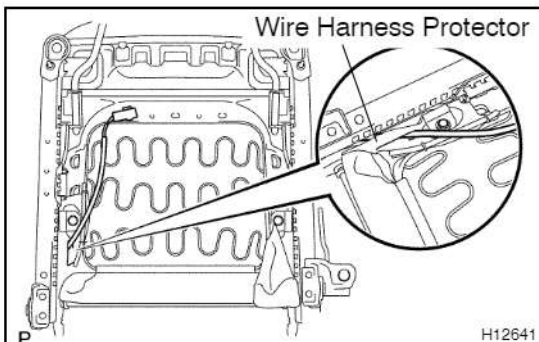
- Install the seat cushion frame to the seat cushion cover with pad.
- Engage the seat cushion hooks and install new hog rings.

HINT:

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

- Install the seat cushion assembly with the 4 bolts.

Torque: 21 N·m (210 kgf·cm, 15 ft·lbf)



5. INSTALL FRONT SEAT INNER BELT

- Pass the wire harness of front seat inner belt through the wire harness protector of seat cushion assembly and install the front seat inner belt.

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

- Install the front seat inner belt wire harness to the seat cushion frame.

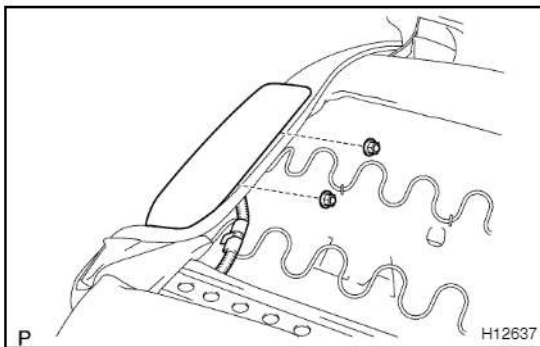
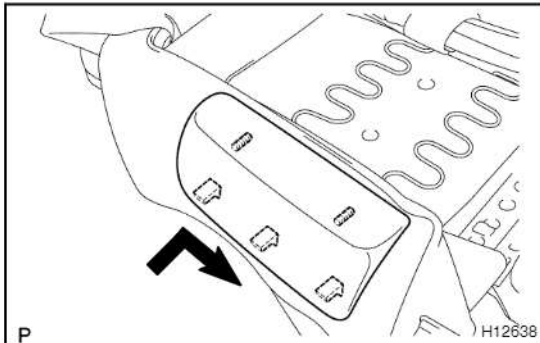
6. INSTALL SEATBACK COVER

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

HINT:

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

- (b) Install the seatback frame to the seatback cover with pad.
 (c) w/ Side airbag assembly:
 Install the 7 clips.



- (d) w/ Side airbag assembly:
 Install the side airbag assembly as shown in the illustration.

- (e) w/ Side airbag assembly:
 Install the 2 nuts, then engage the clamp of side airbag wire harness.

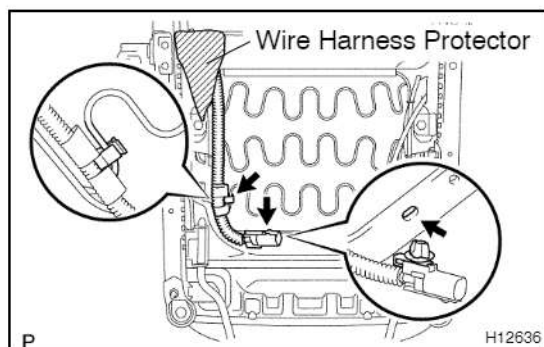
Torque: 5.5 N·m (56 kgf·cm, 49 in·lbf)

7. INSTALL SEATBACK ASSEMBLY

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

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

- (b) w/ Side airbag assembly:
 Insert the side airbag wire harness into the slit of seatback cover.
 (c) w/ Side airbag assembly:
 Engage the side airbag wire harness to the seat cushion frame.



- (d) w/ Side airbag assembly:
 Replace the wire harness protector as shown in the illustration.
 (e) Zip the seatback cover closed.
 (f) Install new hog rings.

HINT:

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

8. INSTALL FRONT SEAT INNER SHIELD
9. INSTALL FRONT SEAT CUSHION SHIELD
10. INSTALL RECLINING ADJUSTER RELEASE HANDLE
11. w/ Vertical adjuster:
INSTALL VERTICAL ADJUSTER KNOB

INSTALLATION

INSTALL FRONT SEAT

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

NOTICE:

Be careful not to damage the body.

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

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

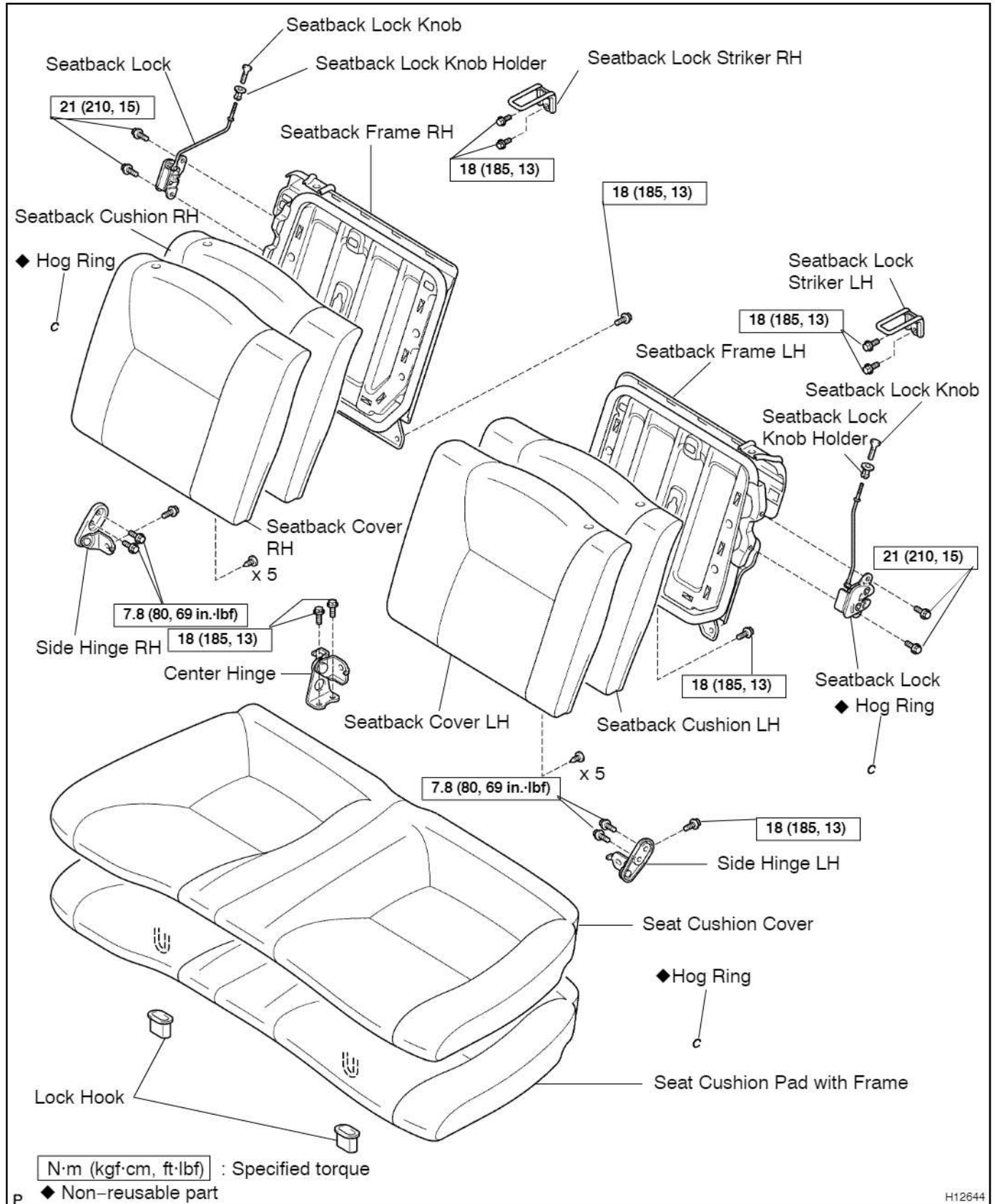
- (e) Slide the seat to the most rear position to install the bolts on the front side.

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

- (f) Install the seat track covers.

REAR SEAT COMPONENTS

B01FC-05



H12644

REMOVAL

1. REMOVE SEATBACK ASSEMBLY LH AND RH

- (a) Release the seatback assembly LH and RH.
- (b) Remove the 4 bolts.

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

- (c) Remove the seatback assembly LH and RH.

2. REMOVE SEAT CUSHION ASSEMBLY

3. REMOVE SIDE HINGE LH AND RH

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

4. REMOVE CENTER HINGE

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

5. REMOVE SEATBACK LOCK STRIKER (See page BO-88)

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

DISASSEMBLY

1. REMOVE SEATBACK LOCK KNOBS

2. REMOVE SEATBACK LOCK KNOB HOLDERS

3. REMOVE SEATBACK FRAME

- (a) Using a clip remover, remove the 5 clips.
- (b) Turn over the seatback cover, then remove the hog rings.
- (c) Remove the seatback frame from the seatback cover with pad.
- (d) Employ the same manner described above to the other side.

4. REMOVE SEATBACK LOCK

- (a) Remove the 2 bolts and seatback lock.
- (b) Employ the same manner described above to the other side.

5. REMOVE SEATBACK COVER

- (a) Remove the hog rings and seatback cover from the seatback pad.
- (b) Employ the same manner described above to the other side.

6. REMOVE SEATBACK CUSHION COVER

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

REASSEMBLY

1. INSTALL SEAT CUSHION COVER

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

HINT:

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

2. INSTALL SEATBACK COVER

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

HINT:

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

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

3. INSTALL SEATBACK LOCKS

Torque: 21 N·m (210 kgf·cm, 15 ft·lbf)

4. INSTALL SEATBACK FRAME

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

(b) Install new hog rings.

HINT:

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

(c) Install the 5 clips.

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

5. INSTALL SEATBACK LOCK KNOB HOLDERS

6. INSTALL SEATBACK LOCK KNOB

INSTALLATION

Installation is in the reverse order of removal (See page BO-102).

B01FH-09



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.

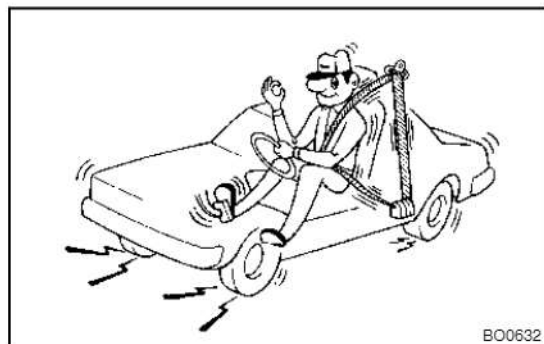
HINT:

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.

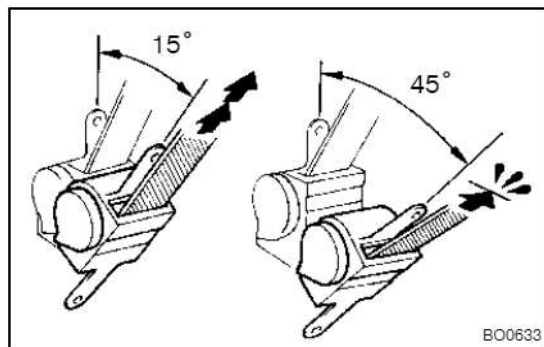
2. Driver's Seat Belt (ELR):

STATIC TEST

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



BO0632



BO0633

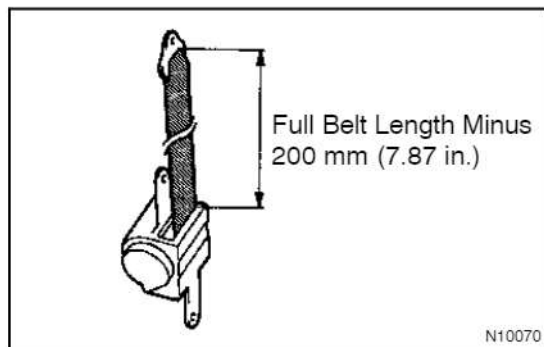
- (d) Make sure that the belt can be pulled out at a tilt of 15 degrees or less, and cannot be pulled out over 45 degrees of tilt.

If a problem is found, replace the assembly.

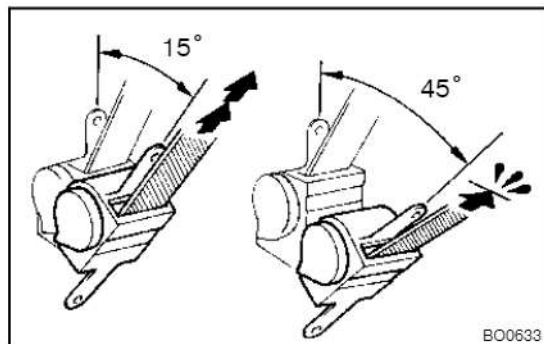
3. Except Driver's Seat Belt (ELR/ALR):

STATIC TEST

- (a) Make sure that the belt locks when pulled out quickly.
 - (b) Remove the locking retractor assembly.
 - (c) Pull out the whole belt and measure the length of the whole belt. Then retract the belt slightly and pull it out again.
 - (d) Make sure that the belt cannot be extended further.
- If a problem is found, replace the assembly.



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



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

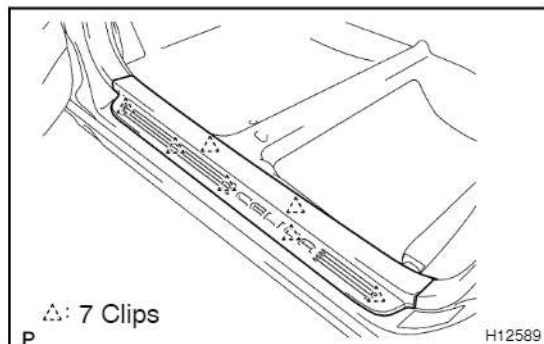
If a problem is found, replace the assembly.

SEAT BELT PRETENSIONER REMOVAL

B020E-03

NOTICE:

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



1. REMOVE DOOR SCUFF PLATE

Using a screwdriver, remove the door scuff plate.

HINT:

Tape the screwdriver tip before use.

2. REMOVE PACKAGE TRAY TRIM

3. REMOVE REAR SEAT (See page BO-102)

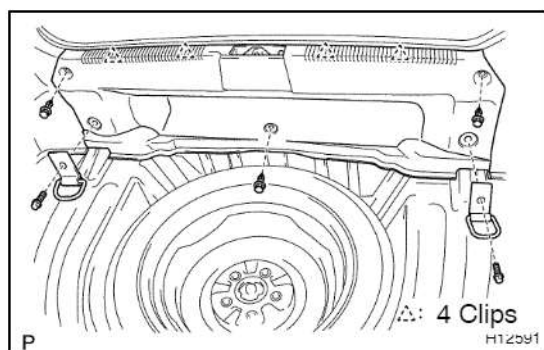
4. REMOVE LUGGAGE COMPARTMENT TRAY

- Using a clip remover, remove the 2 clips.
- Using a screwdriver, remove the luggage compartment tray.

HINT:

Tape the screwdriver tip before use.

5. REMOVE LUGGAGE COMPARTMENT MAT

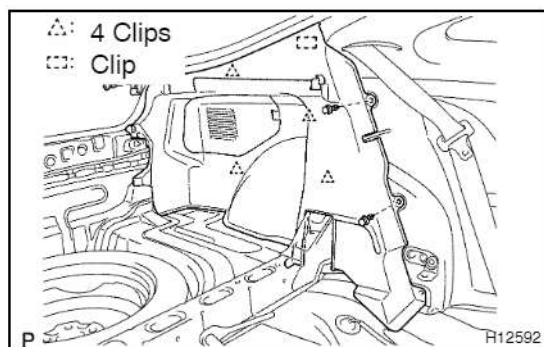


6. REMOVE REAR DECK TRIM COVER

- Remove the 2 bolts and 2 hooks.
- Remove the 3 clips.
- Using a screwdriver, remove the rear deck trim cover.

HINT:

Tape the screwdriver tip before use.



7. REMOVE DECK TRIM SIDE PANEL

- Remove the screw and No. 1 luggage compartment trim hook.
- RH side:
Using a screwdriver, remove the rear room light, then disconnect the connector.

HINT:

Tape the screwdriver tip before use.

- (c) Remove the 2 clips.
- (d) Using a screwdriver, remove the deck trim side panel.

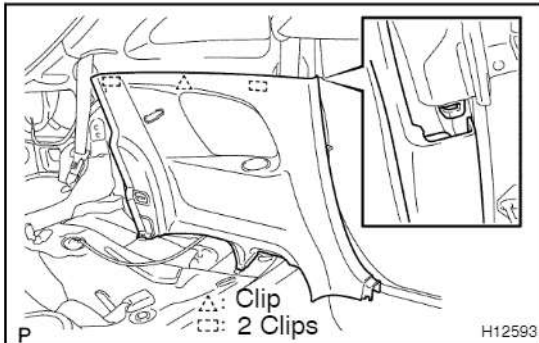
HINT:

Tape the screwdriver tip before use.

8. REMOVE REAR SEATBACK HINGE

9. REMOVE REAR SEATBACK LOCK STRIKER

10. REMOVE REAR SEAT OUTER BELT FLOOR ANCHORS



11. REMOVE QUARTER TRIM PANEL

Using a screwdriver, remove the quarter trim panel.

HINT:

Tape the screwdriver tip before use.

12. REMOVE FRONT SEAT OUTER BELT SHOULDER ANCHOR

13. REMOVE FRONT SEAT OUTER BELT FLOOR ANCHOR

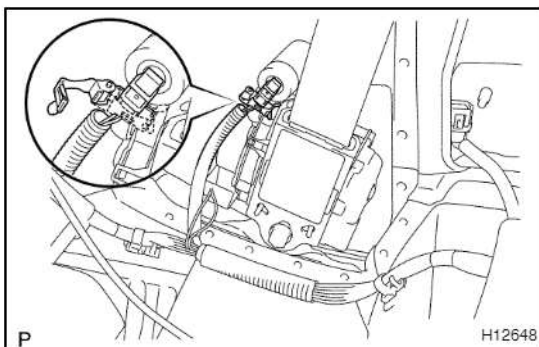
14. REMOVE RETRACTOR OF FRONT SEAT OUTER BELT

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.

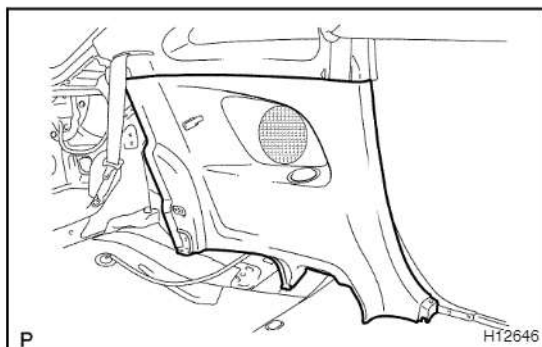


- (a) Disconnect the pretensioner connector as shown in the illustration.

CAUTION:

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

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



INSPECTION

1. PRETENSIONER IS NOT ACTIVATED

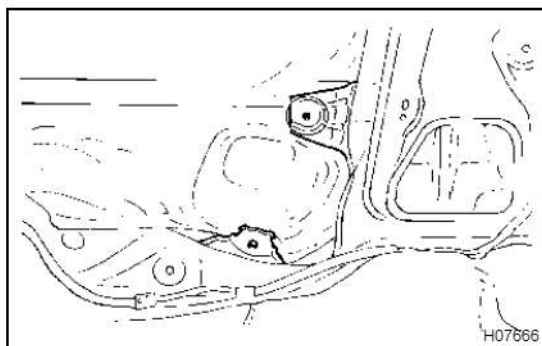
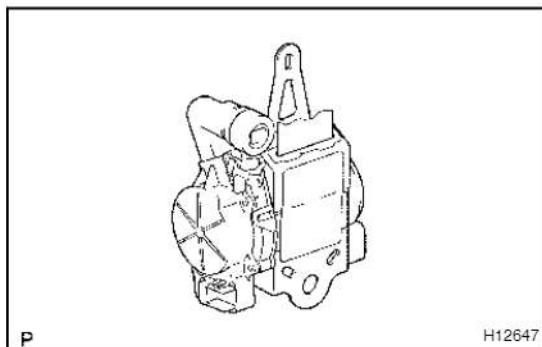
- (a) Perform a diagnostic system check (See page DI-884).
- (b) Perform a visual check which includes the following items with the front seat outer belt removed from the vehicle.
 - Check for cuts and cracks in, or marked discoloration on the quarter trim panel.
 - Check for cuts and cracks in wire harness, and for chipping in connectors.
 - Check for deformation of the quarter panel.

CAUTION:

For removal and installation of the front seat outer belt, see page BO-109 and BO-118.

2. PRETENSIONER IS ACTIVATED

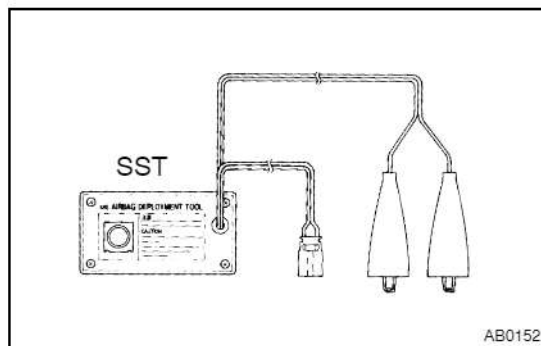
- (a) Perform a diagnostic system check (See page DI-884).
- (b) Perform a visual check which includes the following items with the front seat outer belt removed from the vehicle.
 - Check for deformation of the quarter panel.
 - Check for damage on the connector and wire harness.



DISPOSAL

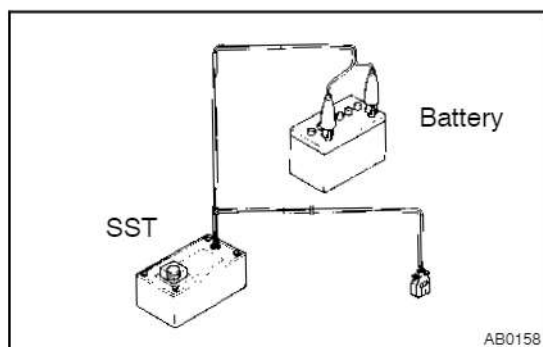
HINT:

When scrapping vehicles equipped with a seat belt pretensioner or disposing of a front seat outer belt (with seat belt pretensioner) always first activate the seat belt pretensioner in accordance with the procedure described below. If any abnormality occurs in the seat belt pretensioner operation, contact the SERVICE DEPT. of TOYOTA MOTOR SALES, U.S.A., INC. When disposing of a front seat outer belt (with seat belt pretensioner) activated in a collision, follow the same procedure given in step 1-(e) in "DISPOSAL".



CAUTION:

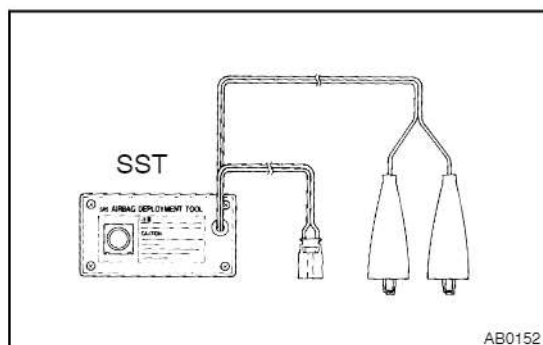
- Never dispose of front seat outer belt which has an in-activated pretensioner.
- The seat belt pretensioner produces a sizeable exploding sound when it activates, so perform the operation out-of-door and where it will not create a nuisance to nearby residents.
- When activating the seat belt pretensioner,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



1. SEAT BELT PRETENSIONER ACTIVATION WHEN SCRAPPING VEHICLE

HINT:

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

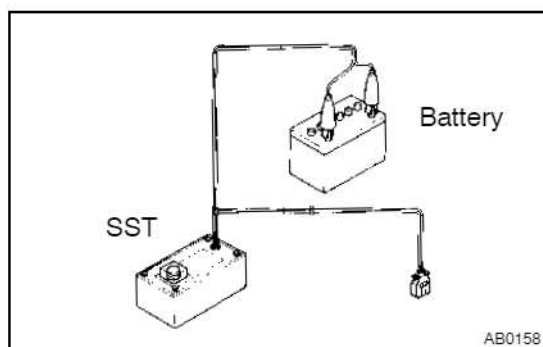


(a) Check functioning of SST.

CAUTION:

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

SST 09082-00700, 09082-00740

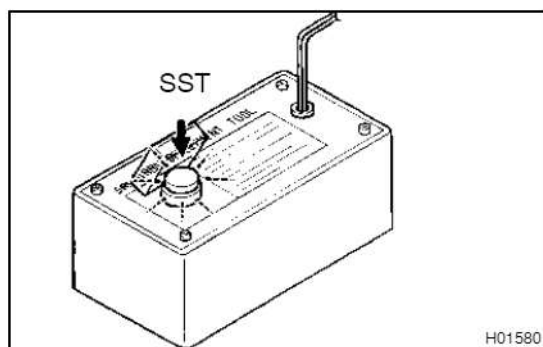


(1) Connect the SST to the battery.

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) Check functioning of SST.

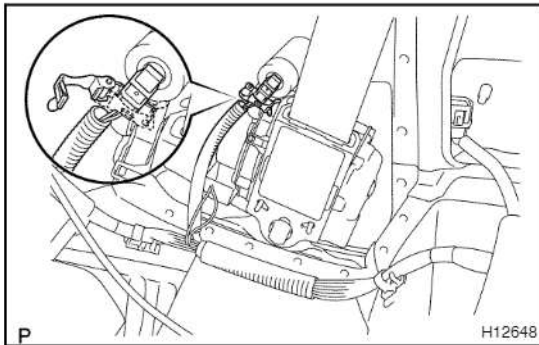
Press the SST activation switch, and check the LED of the SST activation switch lights up.

CAUTION:

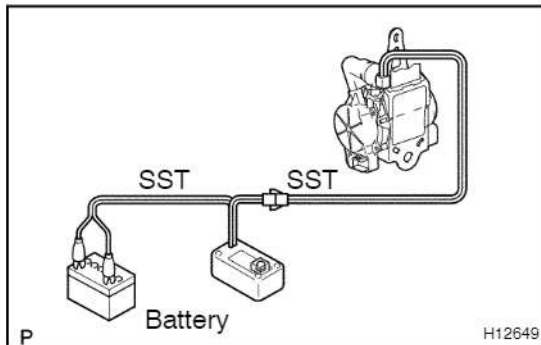
If the LED lights up when the activation switch is not being pressed, SST malfunction is probable, so definitely do not use the SST.

(b) Disconnect the pretensioner connector.

- (1) Remove the door scuff plate.
- (2) Remove the package tray trim.
- (3) Remove the rear seat (See page BO-102).
- (4) Remove the luggage compartment trim.
- (5) Remove the luggage compartment mat.
- (6) Remove the rear deck trim cover.
- (7) Remove the deck trim side panel.
- (8) Remove the seatback hinge.
- (9) Remove the seatback lock striker.
- (10) Remove the rear seat outer belt floor anchor.
- (11) Remove the quarter trim panel.



- (12) 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.

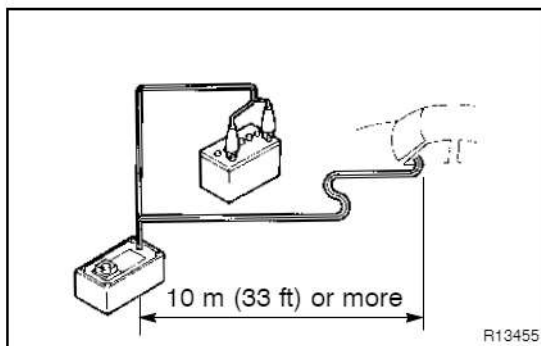


- (2) Connect the 2 SST, then connect them to the seat belt pretensioner.

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 of the vehicle.
- (2) Press the SST activation switch and activate the seat belt pretensioner.

HINT:

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

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

CAUTION:

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

HINT:

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

2. ACTIVATION WHEN DISPOSING OF FRONT SEAT OUTER BELT ONLY

NOTICE:

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

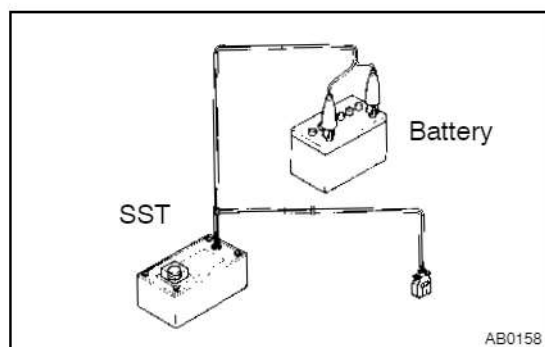
HINT:

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

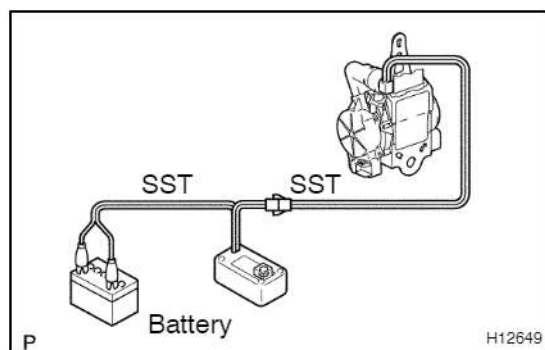
(a) Remove the front seat outer belt (See page BO-109).

HINT:

Cut the belt near the seat belt retractor.



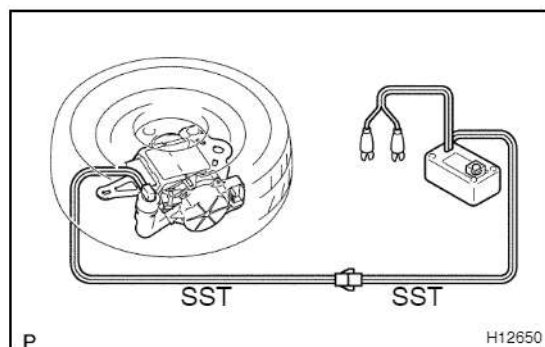
- (b) Check functioning of SST (See step 1-(a)).
SST 09082-00700, 09082-00740



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

NOTICE:

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



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

NOTICE:

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

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

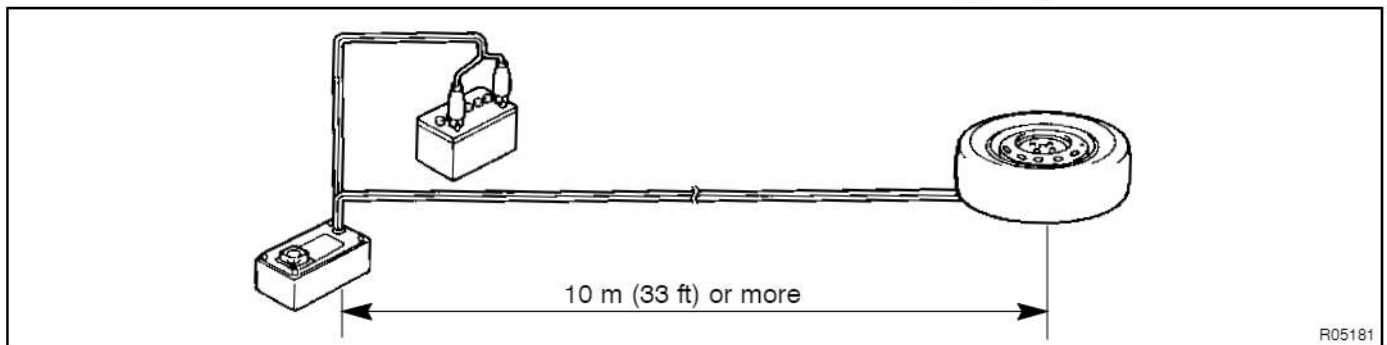
NOTICE:

Take care not to damage the SST wire harness.

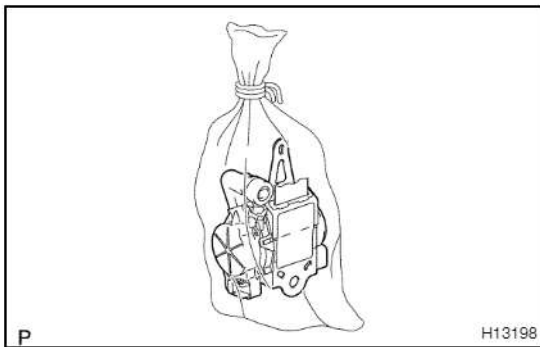
- (d) Activate the seat belt pretensioner.
- (1) Connect the SST red clip to the battery positive (+) terminal and black clip to the battery negative (-) terminal.
 - (2) Check that no one is within 10 m (33 ft) area around the disc wheel.
 - (3) Press the SST activation switch and activate the seat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

HINT:

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



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

CAUTION:

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

REPLACEMENT

REPLACE REQUIREMENTS

In the following cases, replace the seat belt pretensioner.

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

CAUTION:

For removal and installation of the seat belt pretensioner, see page BO-109 and BO-118.

Be sure to follow the correct procedure.

INSTALLATION

NOTICE:

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

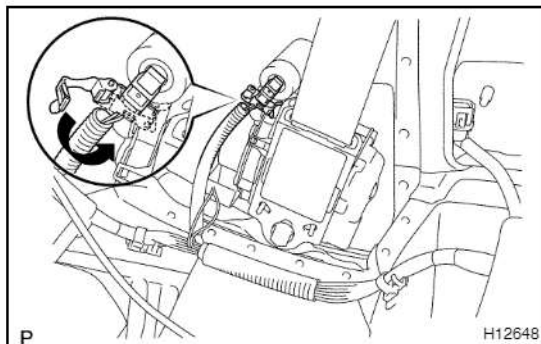
1. INSTALL RETRACTOR OF FRONT SEAT OUTER BELT

- (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: 43 N·m (440 kgf·cm, 32 ft·lbf)



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

- (c) Connect the retractor switch connector.

2. INSTALL FRONT SEAT OUTER BELT SHOULDER ANCHOR

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

3. INSTALL FRONT SEAT OUTER BELT FLOOR ANCHOR

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

4. INSTALL QUARTER TRIM PANEL

5. INSTALL REAR SEAT OUTER BELT FLOOR ANCHOR

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

6. INSTALL REAR SEATBACK LOCK STRIKER

7. INSTALL REAR SEATBACK HINGE

8. INSTALL DECK TRIM SIDE PANEL

9. INSTALL REAR DECK TRIM COVER

10. INSTALL LUGGAGE COMPARTMENT MAT

11. INSTALL LUGGAGE COMPARTMENT TRAY

12. INSTALL REAR SEAT (See page BO-105)

13. INSTALL PACKAGE TRAY TRIM

14. INSTALL DOOR SCUFF PLATE