# Body

Interior/Exterior Parts	20-1
Manual Roof	20-73
Power Roof	20-94
Troubleshooting	20-155

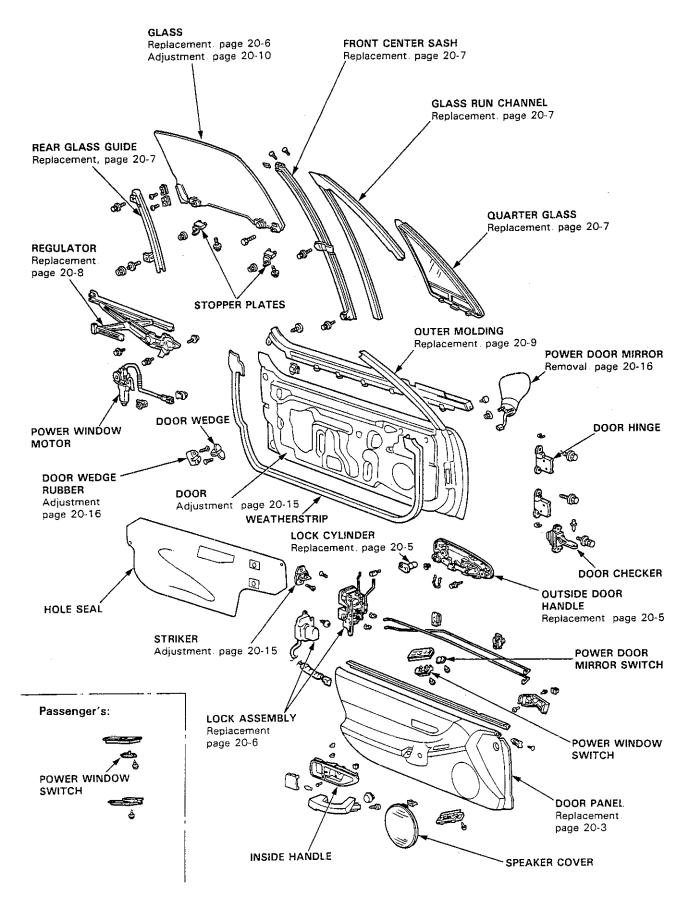


# Interior/Exterior Parts

Bumpers	
Front Replacement	20-55
Rear Replacement	20-56
Carpet ************************************	20-46
Center/Rear Console	20-48
Dashboard	
Component Removal/ Installation	20-50
Replacement	20-53
Doors	
Index ************************************	20-2
Panel/Hole Seal	20-3
Outside Door Handle	20-5
Lock	20-6
Glass/Regulator	
Outer Molding	20-9
Weatherstrip	20-9
Glass Adjustment	20-10
Position Adjustment	
Striker/Wedge Rubber	
Exterior Moldings/Panels/Weatherstrips	<b>;</b>
Front/Center Pillar Weatherstrips	20-62
Rear Roof Rail Trim/Center Pillar	20.64
Trim Panels	
Roof Moldings	
Side Sill Panel	
Frame Repair Chart	20-70
Fuel Filler	20.61
Opener/Lock	
Opener Cable	20-59
Hood	20.57
Replacement/Adjustment	
Opener/Lock	
Opener Cable	
Edge Protector	
License Base Plate	20-66

Mirrors	
Power Door Mirror Removal	20-16
Mirror Glass	20-17
Rearview Mirror	20-17
Rear Emblems	20-68
Rear Window Glass	
Index	20-26
Panel Removal/Installation	
Component Replacement	20-29
Glass Adjustment	20-33
Seats	
Removal	20-41
Replacement	20-41
Seat Belts	
Replacement	
Inspection	20-45
Sub-Frame	20-69
Trims	
Front	20-38
Interior	
Replacement	20-36
Rear Personal Box	20.20
Disassembly	20-30
Trunk	20-33
Trunk Lid Molding	20-6
Trunk Spoiler	20-6
Windshield	20.44
Index	20-18
Removal/Installation	20-2







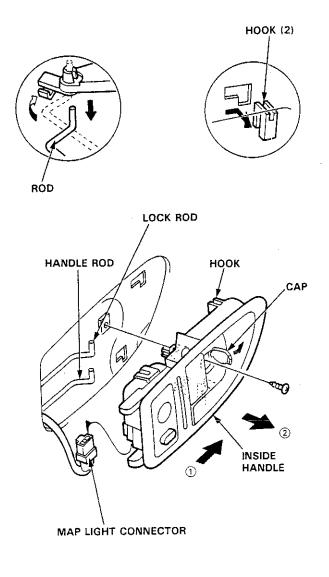
# - Door Panel/Hole Seal Replacement

NOTE: Lower the door glass fully

1. Pry the cap, then remove the screw. Detach the hooks by sliding it forward. Pull the inside handle out half-way, then disconnect the map light connector (for some models) and rods.

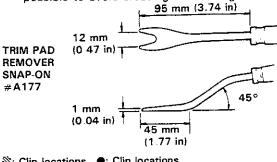
#### NOTE:

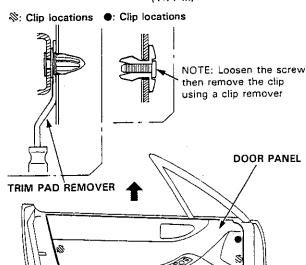
- Take care not to snap the hooks
- · Take care not to bend the rods
- Take care not to scratch the inside handle and door panel.

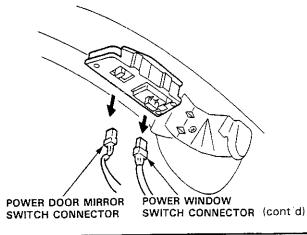


2 Remove the cap, then remove the screw. Remove the clips attaching the door panel (see trim pad remover). Remove the door panel by pulling it upward. Disconnect the connectors.

NOTE: Remove the panel with as little bending as possible to avoid creasing or breaking it







POWER WINDOW/POWER DOOR MIRROR SWITCH

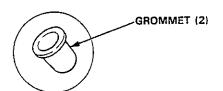
### **Doors**

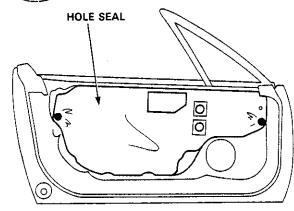
# Door Panel/Hole Seal Replacement (cont'd) -

3. Remove the grommets, then carefully remove the hole seal

NOTE: When removing the grommets, use a clip remover.

: Grommet locations

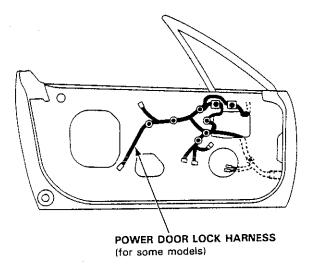




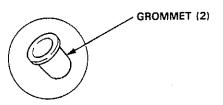
4 Install the door panel and hole seal in the reverse order of removal

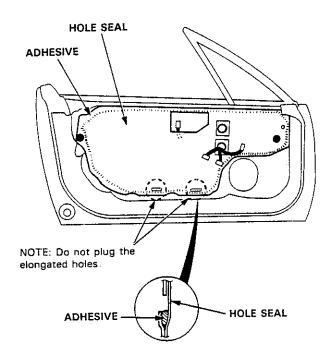
#### NOTE:

- Make sure the wire harnesses and connectors are fastened correctly on the door
  - ●: Harness clip locations



- Apply adhesive along the edge where necessary to maintain a continuous seal and prevent air/water leaks.
- : Grommet locations





 Before tightening the door panel mounting screws, make sure the wire harnesses are not pinched



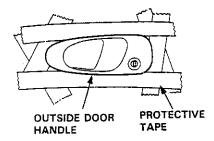
# Outside Door Handle Replacement

NOTE: Raise the door glass fully.

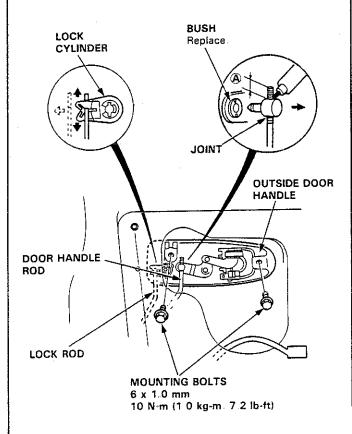
- 1 Remove:
  - Door panel (page 20-3)
  - Hole seal (page 20-4)
- 2. Pry the door handle rod and lock rod out of their joints using a flat tip screwdriver.

Remove the mounting bolts, then remove the outside door handle

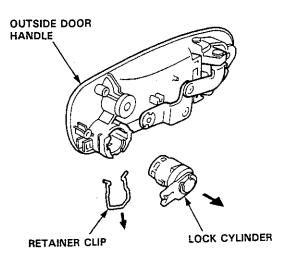
CAUTION: Use protective tape around the outside door handle to prevent damage.



 To ease reassembly, note the location (A) of the rod on the joint before disconnecting it



3. Pull out the retainer clip, then remove the lock cylinder.



Installation is the reverse of the removal procedure.

### Door

### Door Lock Replacement -

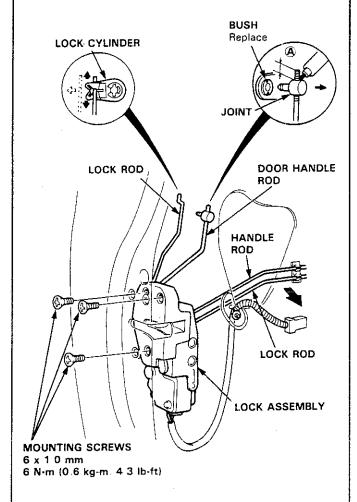
NOTE: Raise the door glass fully

- 1. Remova:
  - Door panel (page 20-3)
  - Hole seal (page 20-4)
- Pry the door handle rod and lock rod out of its joint using a flat tip screwdriver

Disconnect the connectors from the door (for some types). Remove the mounting screws, then remove the lock assembly through the hole in the door.

#### NOTE:

- Take care not to bend the rods
- To ease reassembly, note the location (A) of the rod on the joint before disconnecting it.

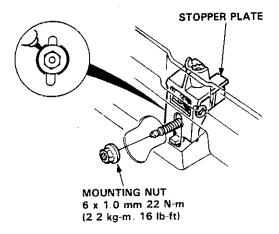


3 Installation is the reverse of the removal procedure.

### Glass/Regulator Replacement

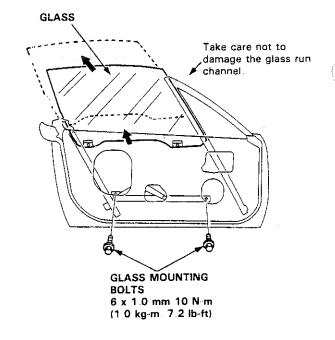
- 1 Remove:
  - Door panel (page 20-3)
  - Hole seal (page 20-4)
  - Outer molding (page 20-9)
- Remove the mounting nuts, then remove the stopper plates

NOTE: Scribe a line around the mounting nuts to show the original adjustment



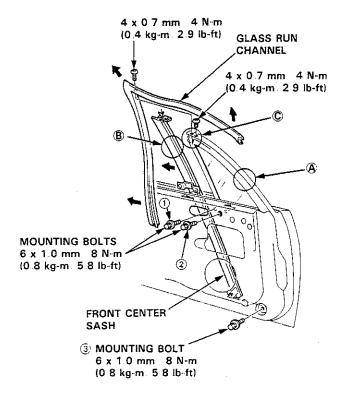
- Move the window until you can see its mounting bolts. Carefully remove the bolts while holding the glass
- 4. Carefully pull the glass out through the window slot

NOTE: Take care not to drop the glass inside the door.



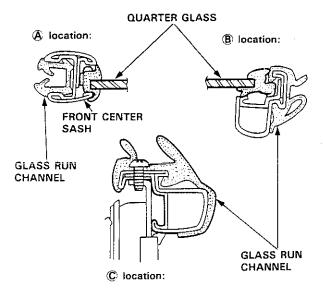


- 5. Remove the mounting screw, then remove the glass run channel.
- 6 Remove the mounting screw and bolts. Slide the front center sash to the rear, then remove it

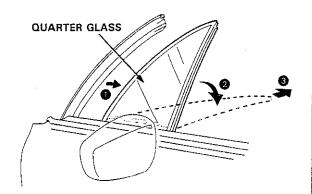


#### NOTE:

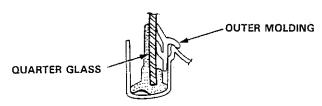
 When installing the glass run channel, take care not to twist it. Make sure the glass run channel is fastened securely as shown.



- When installing the front center sash, after tightening the mounting screw, install the mounting bolt 1 temporarily Set the front center sash properly, then tighten the mounting bolts 1 2,
   3.
- 7 Remove the quarter glass as shown

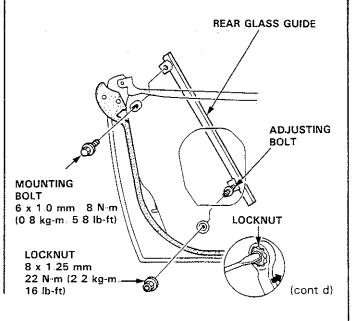


NOTE: When installing the quarter glass, set it properly



Remove the locknut then remove the rear glass guide.

NOTE: Hold the adjusting bolt with a flat tip screwdriver when removing the locknut.

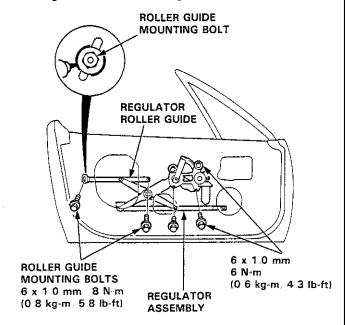


### **Doors**

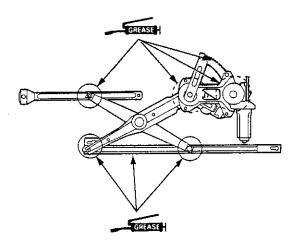
# Glass/Regulator Replacement (cont'd)

9 Remove the 2 mounting bolts. 2 roller guide bolts and loosen the 2 motor bolts. Disconnect the connector Take out the regulator assembly through the center hole in the door

NOTE: Scribe a line around the roller guide mounting bolt to show the original adjustment.



- Grease all the sliding surfaces of the window regulator where shown.
- 11. Before removing the motor, mark the location by scribing a line across the sector gear and regulator. Install using the 3 mounting bolts. Move the window regulator to the original position by connecting a 12 V battery to the motor (see Section 23).



- 12. Installation is the reverse of the removal procedure.
- 13. Roll the glass up and down to see if it moves freely without binding. Also make sure that there is no clearance between the glass and glass run channel when the glass is closed. Adjust the position of the door glass as necessary (page 20-10)
- 14. Attach the wire harness to the door correctly (page 20-4)
- 15. When reinstalling the hole seal, apply adhesive along the edge where neccessary to maintain a continuous seal and prevent air/water leaks (page 20-4)
- 16 After installation, with the door, door glass and rear window closed fully, check for water and air leaks

- Spray water over the roof
- Do not spray to the sealing area directly and do not use high pressure water.

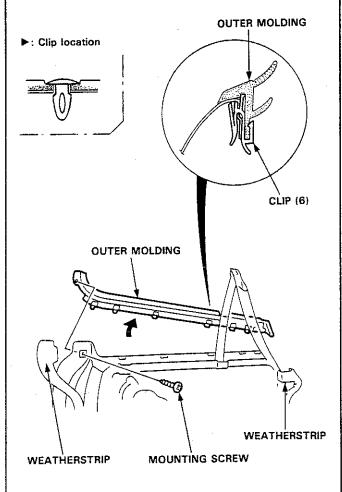


### Outer Molding Replacement

NOTE: Lower the door glass fully.

- 1. Remove the door panel (page 20-3)
- 2 Peel the weatherstrip from the corner of the door.
- 3 Remove the clip and mounting screw
- 4. Starting at the rear, pry the molding up and detach the clips, then remove the molding.

NOTE: Take care not to twist or scratch the molding.

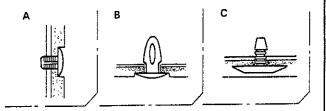


5 Installation is the reverse of the removal procedure

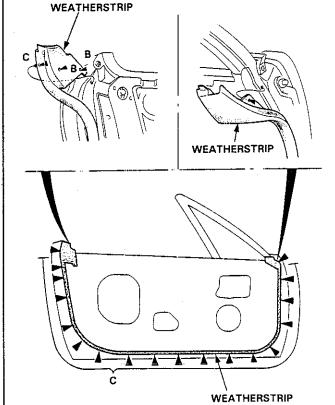
NOTE: If necessary, replace any damaged clips.

# Weatherstrip Replacement

▶: Clip locations



NOTE: When removing the clip, use a clip remover



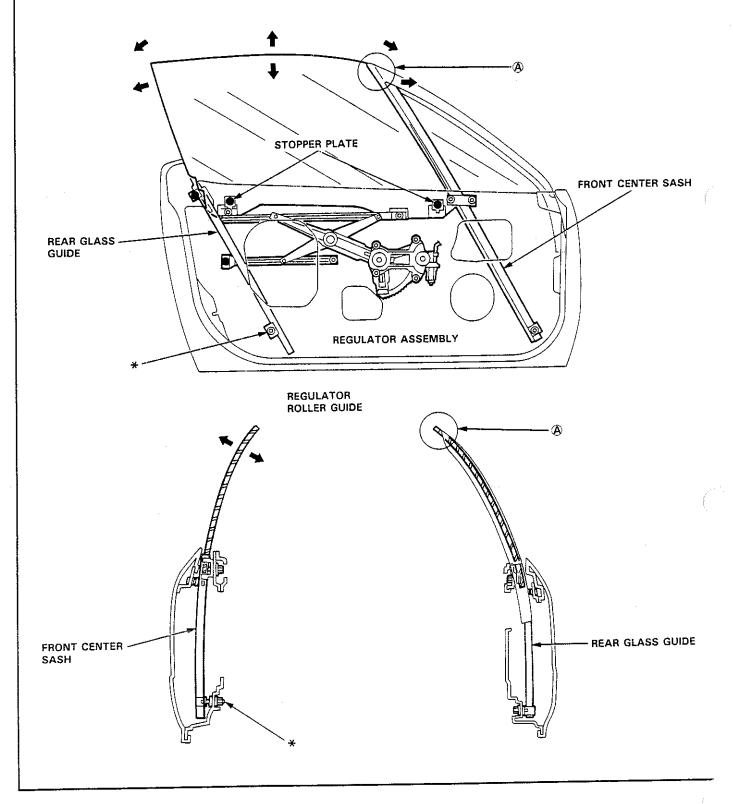
- If necessary, replace any damaged clips
- With the door, door glass and rear window closed fully, check for water and air leaks.
- Spray water over the roof
- Do not spray to the sealing area directly and do not use high pressure water

# **Doors**

# - Glass Adjustment

### \*: Adjusting bolt locations

- Before adjusting the glass, make sure the roof is locked securely
- Take care not to damage the location (A) of the glass run channel.





#### NOTE:

- Place the vehicle on a firm, level surface when adjusting the doors or glass.
- Lower the door glass fully

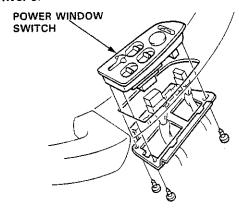
#### 1 Remove:

- Door panel/Hole seal (pages 20-3, 4)
- Center pillar weatherstrip (page 20-63)
- Center pillar retainer (page 20-63)
- Center pillar trim (page 20-37)
- Roof-side weatherstrip (pages 20-84, 140)
- Roof-side retainer (pages 20-84, 140)

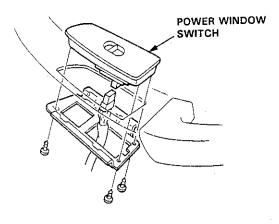
NOTE: Check the weatherstrip for damage or deterioration and replace if necessary.

2 Remove the power window switch from the door panel

#### Driver's:



#### Passenger's:



3 Connect the power window switch to the door harness.

4. Close the roof fully, then lock it

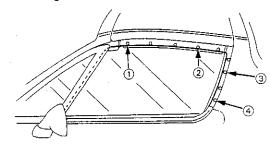
NOTE: Make sure the roof is locked securely

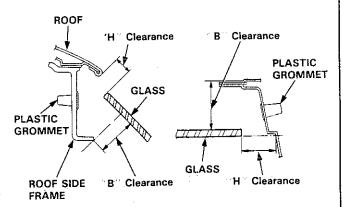
- 5 Carefully close the door while holding the window glass to prevent it from contacting the body panel
- 6. Raise the door glass fully.

NOTE: Check the door fit to the body opening

- 7 Measure and record the clearance "H" and "B" between the glass and body at the locations shown.
- 8 Adjust the clearance as described in the steps 9 thru 10

#### Measuring Points:





Section 1 -2

Section 3-4

#### Standard Clearance:

Permissible tolerance: ±1 mm (0.04 in)

Unit: mm (in)

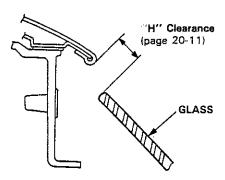
Measuring	Point	1	2	3	4
Clearance	Н	10 1 (0.4)	11 8 (0.46)	21 4 (0.84)	21 2 (0.83)
	В	17 2 (0.68)	22 3 (0.88)	24 1 (0.95)	27 1 (1.07)

(cont'd)

### **Doors**

# - Glass Adjustment (cont'd) -

9 Adjustment of clearance "H".

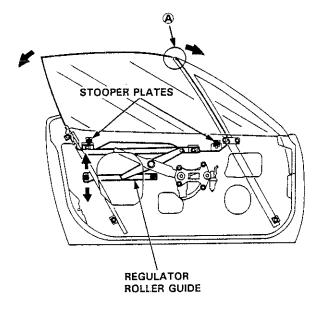


NOTE: If the adjusting amount is fine when adjusting the door glass, go on step -4

- -1. Loosen the nuts securing the stopper plates
- —2 Loosen the bolts securing the regulator roller guide and move the guide up or down to align the door glass with the body at the roof and center pillar

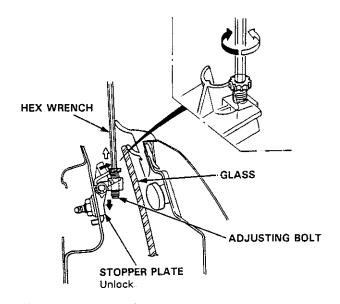
NOTE: Do not deform the location (A) of the glass run channel

•: Mounting bolt nut locations

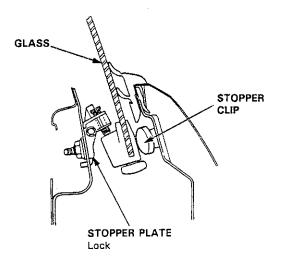


- —3. Tighten the stopper plate mounting nuts and regulator roller guide mounting bolts.
- -4 Lower the door glass fully
- --5 Unlock the front and rear stopper plates Adjust the adjusting bolt finely by using a hex wrench.

NOTE: The adjusting bolt moves a distance of 1 mm (0.04 in) in one complete revolution.



-6. Lock the front and rear stopper plates Raise the door glass fully.

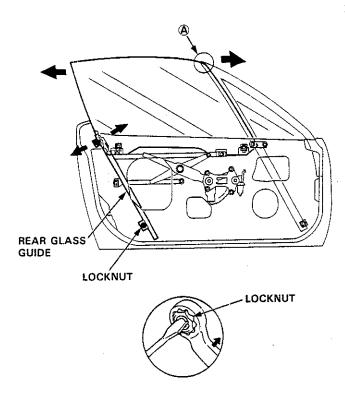




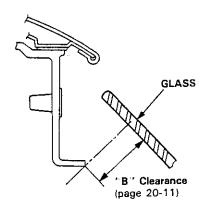
-7 Loosen the bolt and locknut securing the rear glass guide and adjust the glass fore and aft by moving the rear glass guide.

#### NOTE:

- Hold the adjusting bolt with a flat tip screwdriver when loosening the locknut
- Do not deform the location (A) of the glass run channel.

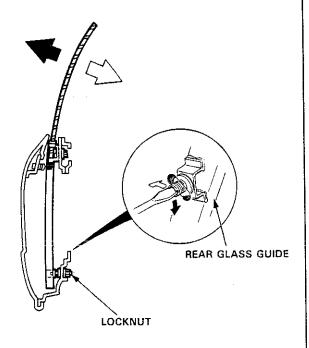


—8 Repeat the adjustment until the clearance "H" is within the specified limits, then retighten the rear glass guide securely 10. Adjustment of clearance "B".



-1 Loosen the locknut securing the rear glass guide and turn the adjusting bolt until the clearance "B" is within the specified value.

Adjusting	Top Edge
Bolt	of Glass
Clockwise	→ Moved out
Counter-	⇒ Moved
clockwise	⇔ in



(cont'd)

### Doors

# - Glass Adjustment (cont'd) -

- —2 Move the glass up and down to seat it, then measure the clearance 'B' at the designated locations (page 20-11)
- —3 Again measure the clearance "H" to make sure it is still within the specified limit at the designated locations (page 20-11).

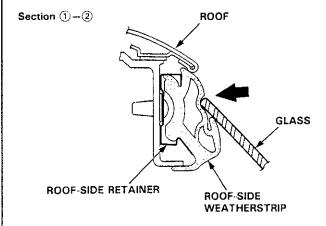
NOTE: Repeat the above steps until the correct clearances are obtained

11 After the clearances have been adjusted properly, reinstall the ratainers and weatherstips.

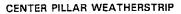
NOTE: When removing and installing the roof of the power roof refer to page 20-154

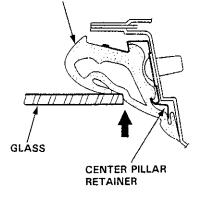
12. With the door and glass closed fully, check that the door glass is contacted with the weatherstrips evenly

NOTE: Measuring points are described on page 20-11.



Section 3-4

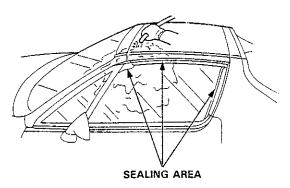




- 13 Attach the hole seal, then install the door panel (pages 20-3, 4).
- 14. Make sure the roof is locked securely. With the door, door glass and rear window closed fully, check for water and air leaks.

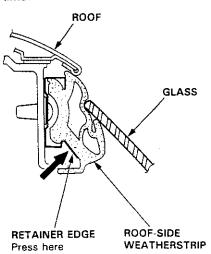
#### NOTE:

- · Spray water over the roof.
- Do not spray to the sealing area directly and do not use high pressure water.
- Check that no water enters the passenger compartment from the roof.



 If there enters no water from the front pillar but only from the roof-side, repair by pressing against the retainer edge.

CAUTION: Do not press the retainer too much at one time.



15. Attach the roof panel and trims (pages 20-83, 139).



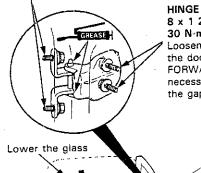
# Door Position Adjustment

After installing the door, check for a flush fit with the body, then check for equal gap between the front and rear, and top and bottom door edges and the body. The door and body edges should also be parallel. Adjust at the hinges as shown.

CAUTION: Place a shop towel on the jack to prevent damage to the door when the hinge bolts are loosened for adjustment

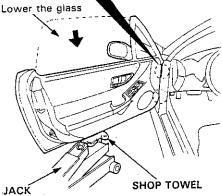
#### DOOR MOUNTING BOLTS

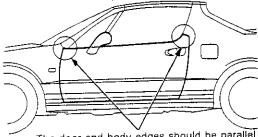
8 x 1 25 mm 30 N·m (3 0 kg·m, 22 lb·ft) Loosen the bolts slightly to move the door IN or OUT until it's flush with the body. If necessary, you can install a shim behind one hinge to make the door edges PARALLEL with the body



HINGE MOUNTING BOLTS 8 x 1 25 mm

30 N-m (3 0 kg-m, 22 lb-ft) Loosen the bolts, and move the door BACKWARD or FORWARD, UP or DOWN as necessary to equalize the gaps.





The door and body edges should be parallel

### NOTE:

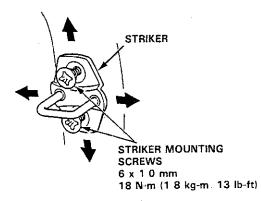
- Secure the roof by turning each roof-side lock handles. Make sure they are locked. With the door, door glass and rear window closed fully check for water and air leaks.
- Spray water over the roof. Do not spray to the sealing area directly and do not use high pressure water

# Door Striker/Door Wedge Rubber Adiustment

Make sure the door locks securely without slamming. If it needs adjustment:

### Adjusting the door striker:

- Remove the door wedge rubber
- Draw a line around the striker plate for reference
- Loosen the striker screws and move the striker IN or OUT to make the lock fit tighter of looser. Move the striker UP or DOWN to align it with the lock opening. Then lightly tighten the screws and recheck.



NOTE: Hold the outside handle out and push the door against the body to be sure the striker allows a flush fit.

- If the door locks properly, tighten the screws and recheck.
- Install the door wedge rubber, then adjust it (page 20-16)

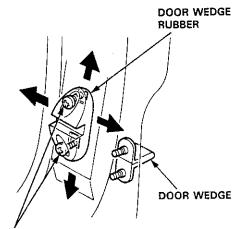
(cont d)

### **Doors**

# Door Striker/Door Wedge Rubber - Adjustment (cont'd)

Adjusting the door wedge rubber:

 Loosen the door wedge rubber mounting screws and move the door wedge rubber UP or DOWN to align it with the door wedge. Move the door wedge rubber IN or OUT to center it. Then lightly tighten the mounting screws and recheck.



DOOR WEDGE RUBBER MOUNTING SCREWS 6 x 1.0 mm 6 N·m {0.6 kg-m, 4.3 lb-ft}

NOTE: Hold the outside handle out and push the door against the body to be sure the door wedge rubber allows a flush fit

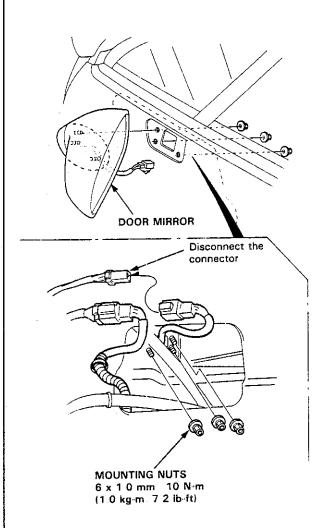
2 If the door locks properly, tighten the mounting screws and recheck

# **Power Door Mirrors**

### - Removal -

NOTE: Raise the window fully

- 1. Remove:
  - Door panel (page 20-3)
  - Hole seal (page 20-4)
- 2. Disconnect the connector
- 3. Remove the mounting nuts while holding the mirror, then remove it



4 Installation is the reverse of the removal procedure.

- With the door, door glass and rear window closed fully, check for water and air leaks.
- Do not use high pressure water

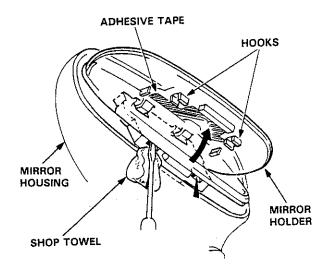
# Rearview Mirror



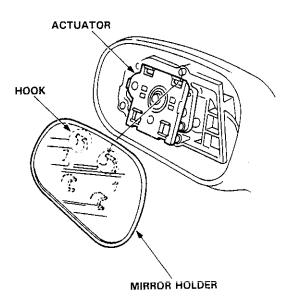
## Mirror Glass Replacement

 Pry the mirror holder from the bottom until you can see the actuator, then disconnect the hooks using a flat tip screwdriver as shown

NOTE: Take care not to scratch the mirror housing



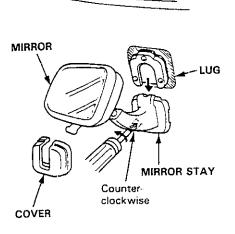
Disconnect the hooks, then remove the mirror holder from the actuator.



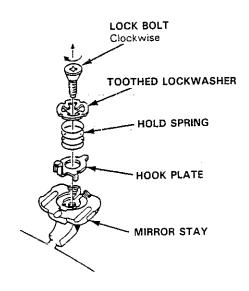
3 Installation is the reverse of the removal procedure.

## Replacement -

- 1 Carefully remove the cover with a flat tip screw-
- 2. Loosen the lock bolt, then slide the mirror stay from the lug

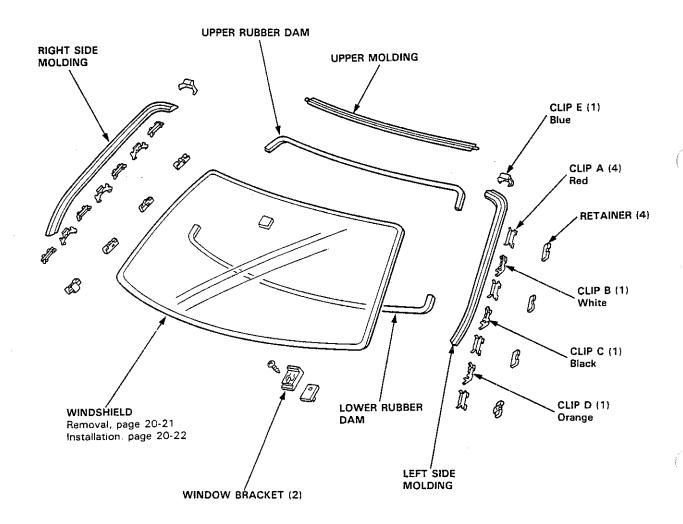


3. Remove the lock bolt, then remove the toothed lock washer and hold spring from the mirror stay.

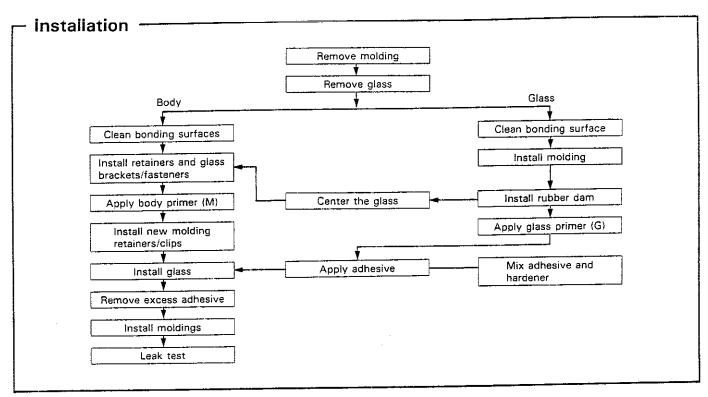


4 Installation is the reverse of the removal procedure

( ): Quantity of part used







Part Number	Contents	Comment
Adhesive kit Low temperature 08718-99960 High temperature 08718-99961	Adhesive sealant (500 g) Hardener (75 g) Glass primer G (20 g) Body primer M (20 g) Piano wire (0.6 $\phi$ x 1 m (3f)) Gauze Cartridge Sponge	For glass primer (G For applying primer

To mix adhesive and hardener on
To mix adhesive and remove excess
To apply bead of adhesive to windshield
To install windshield
To scrape bonding surface around window opening
To make hole through existing adhesive for plano wire
To hold piano wire
To clean bonding surfaces

# Windshield

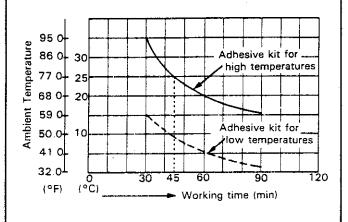
### Workable Time

Adhesive workable time varies widely according to temperature, so choose the correct adhesive kit for the temperature range you will be working in

After mixing and applying adhesive, you should install the windshield within the time shown on the chart

For example, when the ambient temperature is 25°C (77°F), the glass should be installed within 45 minutes using the high temperature type adhesive

Kit part numbers and contents are listed on the page before.



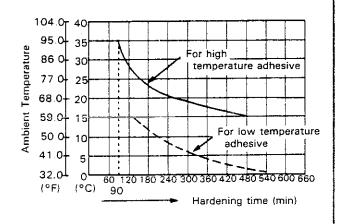
#### Notes

- Both kits have two types of adhesive primer: one for the body (metal), and one for glass.
- Always use new genuine Honda adhesive, or equivalent.
- Do not use the adhesive if 6 months have elapsed since date of manufacture
- · Store adhesive in a cool, dry place
- Open only immediately before you are going to use it

## Herdening Time -

Hardening time can be shortened by heating with infrared light

For examle, the adhesive will start to harden within 270 minutes mixing at 20°C (63°F). If however, it is heated to 35°C (95°F), it will start to harden within 90 minutes.



### **Broken Glass Removal**

Remove as much broken glass as possible with a vacuum cleaner

Blow out the glass in the heater and behind the dashboard with low pressure compressed air:

A WARNING Wear eye protection while using the air gun

- Set the temperature control lever to COLD.
- Push the HEAT button on the function pawel
- 3 Make sure the recirculation button is OFF
- Blow compressed air through the defroster center vent outlet.
- Remove the blower duct, and remove any glass from the air mix chamber
- Remove the any glass from the top of the vent/defrost door
- Remove any glass from top and bottom of carpet and seats with a vacuum cleaner.

NOTE: It is recommended to remove the seats to shake off any glass (page 20-41).

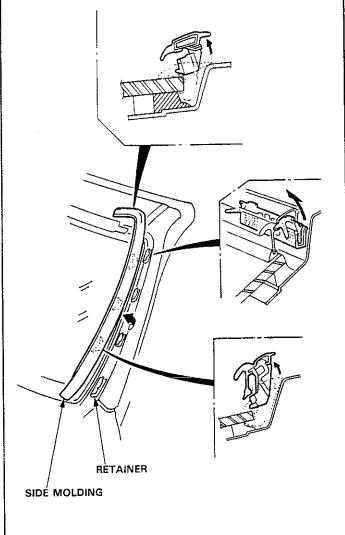


#### Removal -

#### **CAUTION:**

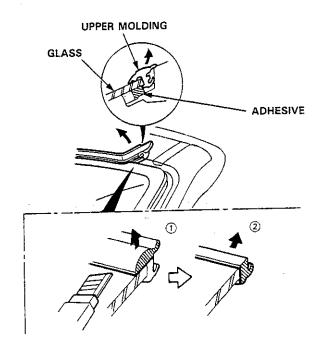
- Wear gloves to remove and install the glass.
- Use seat covers to avoid damaging any surfaces
- 1. To remove the windshield, first remove the:
  - Roof (When removing the roof of the power roof, refer to page 20-154)
  - Rearview mirror (page 20-17)
  - Sunvisors (page 20-35)
  - Front roof trim panel (page 20-35)
  - Front pillar trims (page 20-35)
  - Front wipers and air scoop (see Section 23)
- 2. Detach the clips from the retainers, then remove the side molding as shown.

NOTE: If necessary, replace any damaged clips

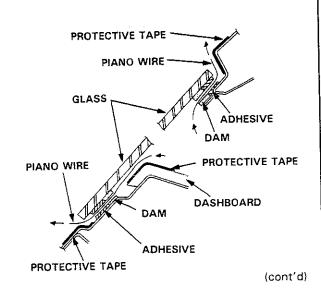


3 Peel off the upper molding.

NOTE: When the upper molding removal is difficult. cut the upper rubber portion ① off the molding, then cut the side rubber portion ②.



- 4 Remove the other retainers from the body
- 5 Apply protective tape along the edge of the dashboard and body next to the glass as shown Using an awl, make a hole through the windshield adhesive from inside the car Push piano wire through the hole and wrap each end around a piece of wood

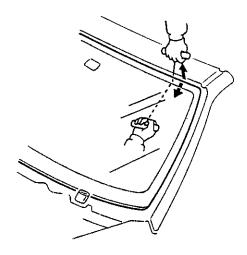


# Windshield

### Removal (cont'd) -

6. With a helper on the outside, pull the wire back and forth in a sawing motion and carefully cut through the adhesive around the entire windshield.

CAUTION: Hold the piano wire as close to the glass as possible to prevent damage to the body and dashboard.



Cut the rubber spacers away from the body with a knife; they are cemented in place.

NOTE: Replace the rubber spacers with new ones whenever the windshield is removed

### - Installation -

1 Scrape the old adhesive smooth with a knife, to a thickness of about 2 mm (0 08 in) on the bonding surface around the entire windshield flange.

#### NOTE:

- Do not scrape down to the painted surface of the body; damaged paint will interfere with proper bonding
- Remove all traces of the rubber spacer material from the body.
- Mask off surrounding surfaces before painting.
- Clean the body bonding surface with a sponge dampened in alcohol.

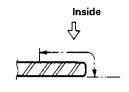
NOTE: After cleaning, keep oil, grease or water from getting on the surface.

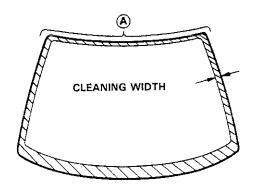
3 If the old glass is to be reinstalled, use a putty knife to scrape off all traces of old adhesive, then clean the glass surface with alcohol where new adhesive is to be applied

NOTE: Make sure the bonding surface is kept free of water, oil and grease.

CAUTION: Avoid setting the glass on its edges; small chips may later develop into cracks.

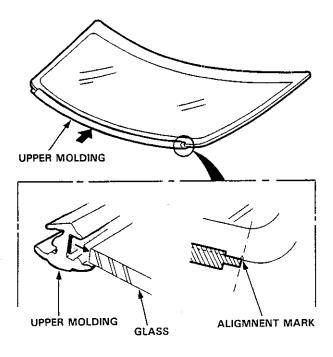
- Clean the shadowed area.
- Clean the area (A) as shown.





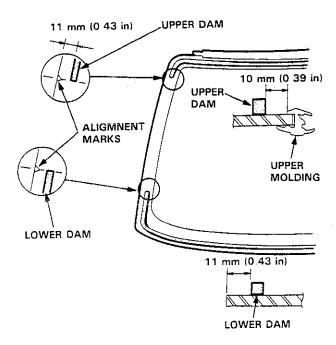


4 Center and glue the upper molding to the upper edge of the windshield

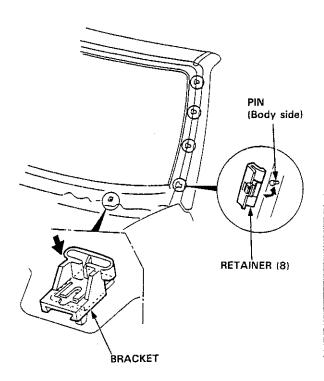


5 Glue the rubber dams to the inside face of the windshield as shown, to contain the adhesive during installation.

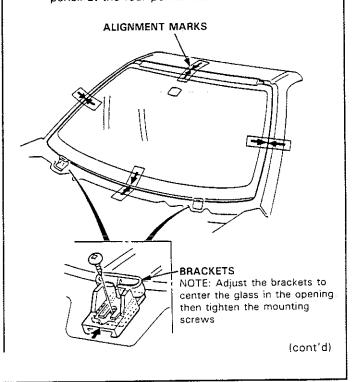
NOTE: Be careful not to touch the glass where adhesive will be applied



6. Install the glass brackets and clip retainers as shown.



7. Set the windshield upright on the brackets, then center it in the opening. Mark the location by marking lines across the glass and body with a grease pencil at the four points shown



# Windshield

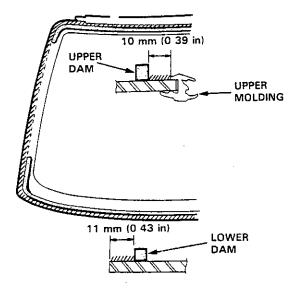
### Installation (cont'd)

With a sponge, apply a light coat of glass primer around the edge of the glass as shown, then lightly wipe it off with gauze or cheesecloth.

#### NOTE:

- Do not apply body primer to the glass, and do not get body and glass primer sponges mixed up.
- Never touch the primed surfaces with your hands
  If you do, the adhesive may not bond to the glass
  properly, causing a leak after the windshield is installed.
- Keep water, dust, and abrasive materials away from the primed surface

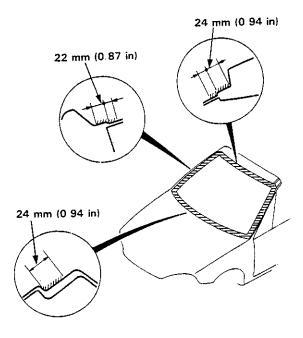
/////// : Apply glass primer here.



9. With a sponge, apply a light coat of body primer to the original adhesive remaining around the window opening flange. The glass should be installed 10 minutes after you apply the primer.

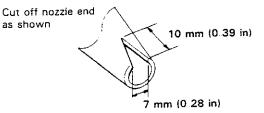
#### NOTE:

- Do not apply glass primer to the body, and be careful not to mix up glass and body primer sponges
- Never touch the primed surfaces with your hands
- Mask off the dashboard before painting the flange



 Thoroughly mix the adhesive and hardener together on a glass or metal plate with a putty knife

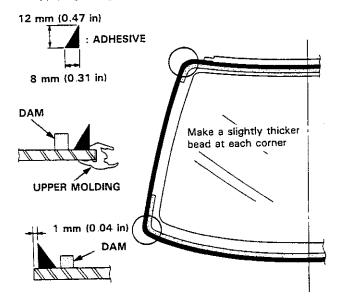
- Clean the plate with a sponge and alcohol before mixing.
- Follow the instructions that come with the adhesive.
- 11 Before filling a cartridge, cut off the end of the nozzle at the angle shown.





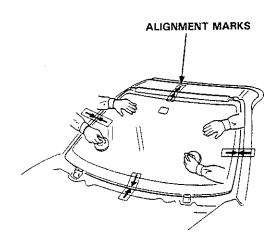
12. Pack adhesive into the cartridge without air pockets to ensure continuous delivery. Put the cartridge in a caulking gun and run a bead of adhesive around the edge of the glass as shown

NOTE: Apply the adhesive within 30 minutes after applying the glass primer.

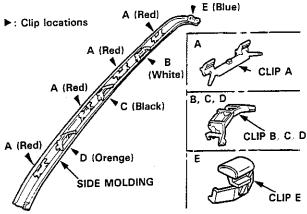


13 Use suction cups to hold the glass over the opening, align it with the marks made in step 7 and set it down on the adhesive. Lightly push on the glass until its edge is fully seated on the adhesive all the way around.

NOTE: Do not close or open the doors until adhesive is dry



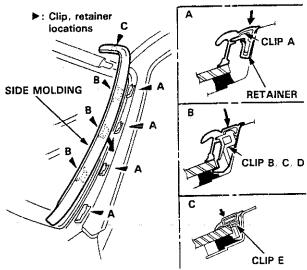
14. Install the clips on the side molding



15. Scrape or wipe the excess adhesive off with a putty knife or gauze.

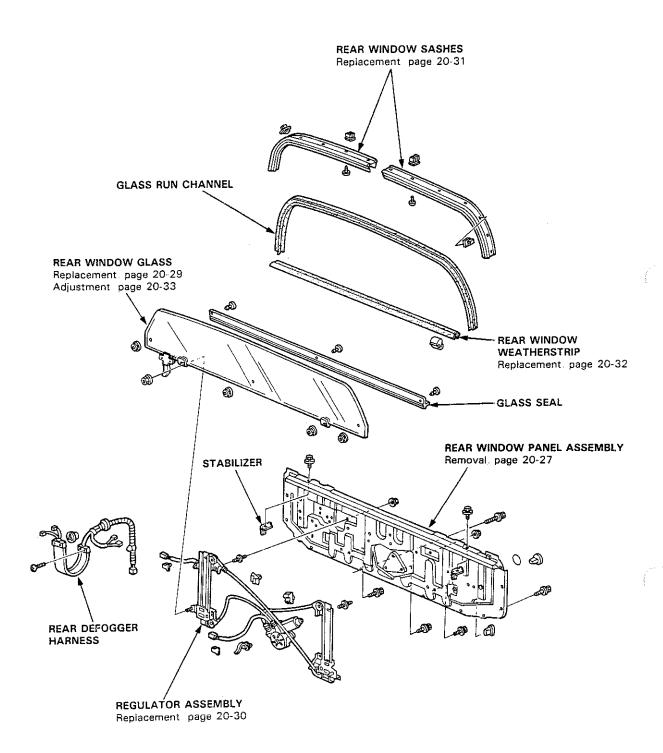
NOTE: To remove adhesive from a painted surface or galss, wipe with a soft shop towel dampened with alcohol.

16. Install the side molding.



17 Let the adhesive dry for at least 1 hour, then spray water over the glass and check for leaks. Mark leaking areas and let the glass dry, then seal with urethane windshield adhesive.

- Let the car stand for at least 4 hours after glass installation. If the car has to be used within the first 4 hours, it must be driven slowly.
- Keep the glass dry for the first hour after installation.
- Check that the ends of the molding are set under the air scoop.
- 18 Reassemble all removed parts





### Rear Window Panel Removal -

#### CAUTION:

- Wear gloves to remove and install the rear window panel assembly.
- When the roof removed, the roof should be placed on a shop towel to prevent damage to the roof.

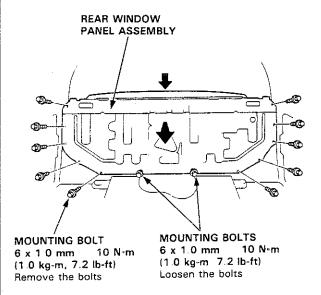
#### NOTE:

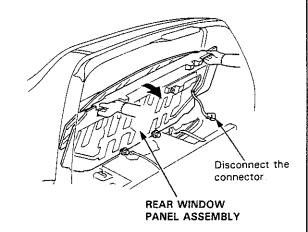
- Remove the roof (When removing the roof of the power roof, refer to page 20-154).
- Lower the rear window glass fully

#### 1 Remove:

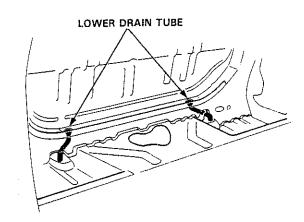
- Seats (page 20-41)
- Rear console (page 20-48)
- Rear upper trim panel (page 20-36)
- Side upper trim (page 20-36)
- Rear personal box assembly (page 20-36)
- Side lower trim panel (page 20-36)
- Loosen the 2 lower mounting bolts and remove the 10 mounting bolts. Disconnect the connector Fall the rear window panel assembly down as shown.

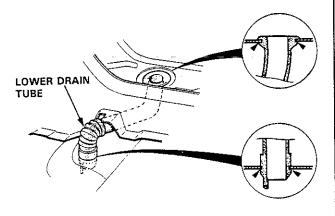
CAUTION: Because the sealant has been applied between the rear window panel assembly and body, do not deform the rear window panel assembly when fall it down Fall the rear window panel assembly down slowly.





3 If necessary, clean the lower drain tube or replace any damaged tube.





NOTE: When installing, fasten the lower drain tube securely

(cont'd)

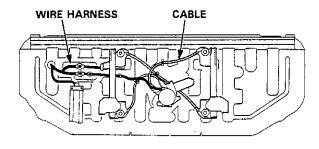
# **Rear Window Glass**

# Rear Window Panel Removal (cont'd)

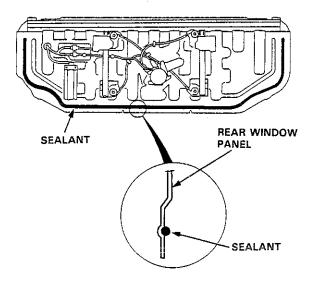
4. Install the rear window panel assembly in the reverse order of removal

#### NOTE:

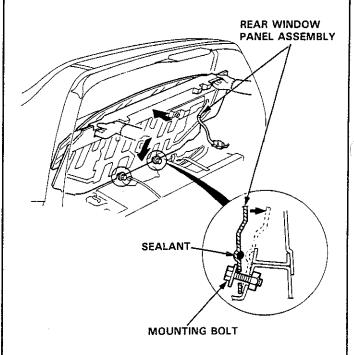
- Make sure the wire harnesses and connectors are fastened correctly on the panel.
  - : Harness clip locations



 Apply sealant along the edge where necessary to maintain a continuous seal and prevent water leak.



- Set the rear window panel assembly to the lower mounting bolts. Mount the rear window panel assembly to the body, then tighten the 10 mounting bolts and lower mounting bolts...
- Make sure the connector is connected properly
- Make sure the wire harnesses are not pinched.



- Check rear window operation.
- When setting the roof in place on the car, secure the roof by turning each roof-side lock handles Make sure they are locked securely.



### Glass/Regulator Replacement

#### **CAUTION:**

- Wear gloves to remove and install the rear window glass and regulator assembly
- When the roof removed, the roof should be placed on a shop towel to prevent damage to the roof.

#### NOTE:

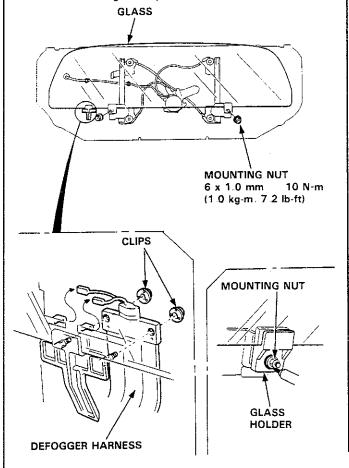
- Remove the roof (When removing the roof of the power roof, refer to page 20-154).
- · Lower the rear window glass fully
- 1 Remove the rear window panel assembly (page 20-27)

NOTE: The removed rear window panel assembly should be placed on a shop towel.

CAUTION: The rear window panel assembly should be placed with the glass side upward

 Disconnect the defogger connector detach the clips then remove the defogger harness. Remove the mounting nuts, then remove the rear window glass.

NOTE: Scribe a line around the mounting nuts to show the original adjustment

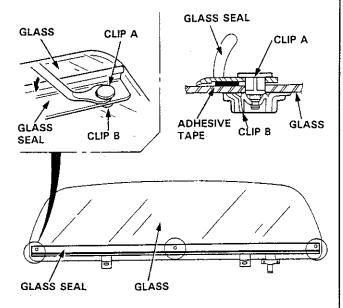


3 Detach the clips, then remove the glass seal from the glass

CAUTION: The glass should be placed on a shop towel to prevent damage

#### NOTE:

- Take care not to damage the glass seal
- When removing the glass seal, detach the clip A on the glass seal side using a clip remover as shown



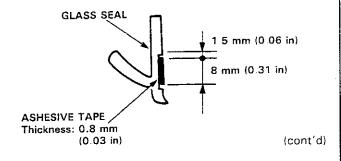
#### Installing the glass seal:

—1 If the old glass or glass seal is to be reinstalled scrape off all traces of old adhesive tape, then clean the bonding surface with alcohol.

NOTE: Make sure the bonding surface is kept free of water, oil and grease

— 2 Glue the adhesive tape to the glass seal as shown

NOTE: The new glass seal peel off the separator.



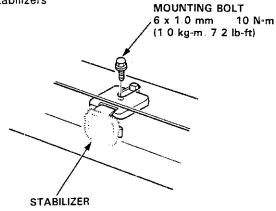
# Rear Window Glass

# Glass/Regulator Replacement (cont'd)

- —3 Align the glass seal with the clip locations and set the glass seal Lightly push on the glass seal until its edge is fully seated on the adhesive tape
- -4. Attach the clips

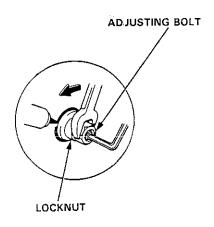
NOTE: If necessary, replace any damaged clips

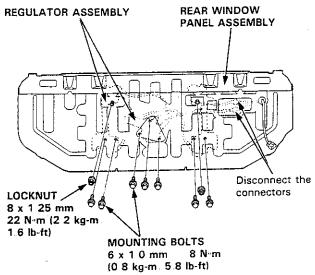
4 Remove the mounting bolts, then remove the stabilizers



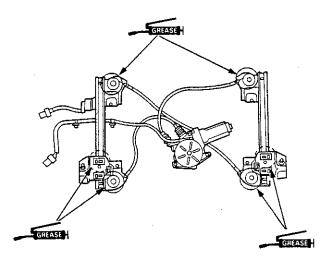
5 Remove the mounting bolts and locknuts, then remove the regulator assembly.
Disconnect the connectors.

- Hold the adjusting bolts with a hex wrench when removing the locknuts.
- Scribe a line around the locknuts to show the original adjustment





- 6 Grease all the sliding surfaces of the regulator where shown.
- 7 Before removing the motor, mark the location by scribing a line across the sector gear and regulator. Install using the 3 mounting bolts. Move the window regulator to the original position by connecting a 12 V battery to the motor (see Section 23).



- 8 Installation is the reverse fo the removal procedure
- 9 Attach the wire harnesses and cables to the rear window panel correctly (page 20-28)
- 10 Roll the glass up and down to see if it moves freely without binding. Adjust the position of the glass as necessary (page 20-33).
- 11 When setting the roof in place on the car, secure the roof by turning each roof-side lock handles. Make sure they are locked securely



# Glass Run Channel/Rear Window Sash Replacement

#### **CAUTION:**

- Wear gloves to remove and install the glass run channel and rear window sash.
- When the roof removed, the roof should be placed on a shop towel to prevent damage to the roof.

#### NOTE:

- Remove the roof (When removing the roof of the power roof, refer to page 20-154).
- Lower the rear window glass fully

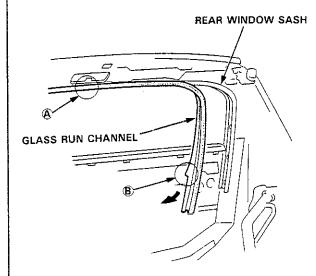
#### 1 Remove:

- Rear console (page 20-48)
- Rear upper trim panel (page 20-36)
- Side upper trim (page 20-36)
- Rear personal box assembly (page 20-36)
- Side lower trim panel (page 20-36)
- Ceiling light (page 20-37)
- Rear roof trim panel (page 20-37)
- Quarter trim panel (page 20-37)
- 2. Remove the rear window panel assembly (page 20-27)

NOTE: The removed rear window panel assembly should be placed on a shop towel.

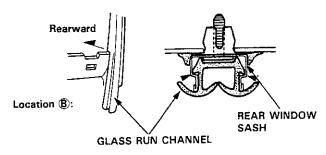
CAUTION: The rear window panel assembly should be placed with the glass side upward.

3 Peel the glass run channel off from the bottom of the glass run channel on each side



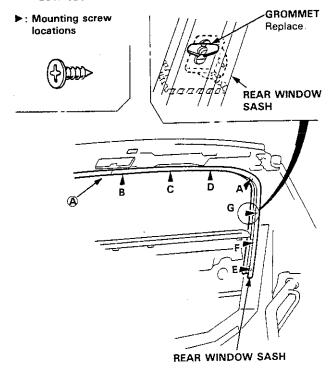
#### NOTE:

- Center and fit the glass run channel with the alignment mark of the Alocation in the opening window, then align the glass run channel at the Blocation.
- Take care not to twist the glass run channel



4 Remove the mounting screws, then remove the rear window sashes on each side.

NOTE: Take care not to bend or twist the rear window sashes



#### NOTE:

- When installing the sash, set the grommet at the "G" location to the sash. Attach the sash to the body, then tighten the mounting screw
- Fit the each sashes at the A location.

(cont d)

### Rear Window Glass

# Glass Run Channel/Rear Window - Sash Replacement (cont'd)

5 Installation is the reverse of the removal procedure.

#### NOTE:

- With the glass closed fully, check that the glass is pinched properly by the glass run channel.
- Check for smooth movement of the glass
- Adjust the position of the glass as necessary (page 20-33)
- With the door, door glass, rear window glass and roof closed fully, check for water leak...
- When setting the roof in place on the car, secure the roof by turning each roof-side lock handles Make sure they are locked securely.
- Do not use high pressure water.

# Weatherstrip Replacement

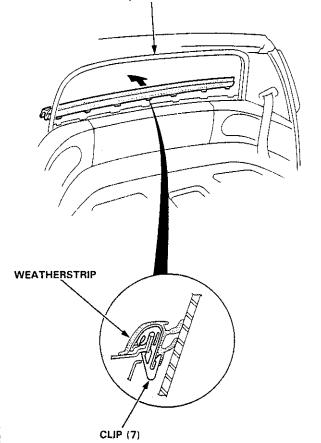
CAUTION: Wear gloves to remove and install the weatherstrip

#### NOTE:

- Take care not to twist the weatherstrip.
- · Lower the rear window glass fully.

#### WEATHERSTRIP

Detach the clips while prying the weatherstrip rearward by hand, then remove the weatherstrip



Installation is the reverse of the removal procedure

NOTE: If necessary, replace any damaged clips.



### Glass Adjustment

#### CAUTION:

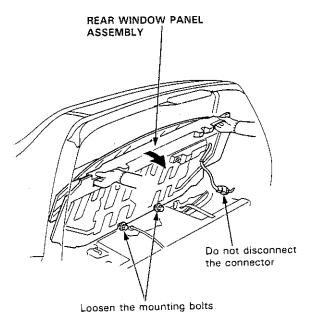
- Wear gloves to adjust the glass.
- When the roof removed, the roof should be placed on a shop towel to prevent damage to the roof.

NOTE: Remove the roof (When removing the roof of the power roof, refer to page 20-154).

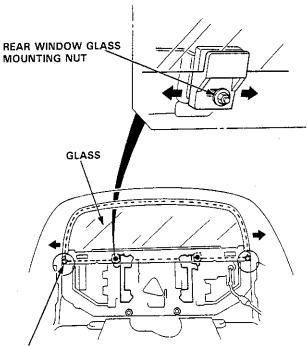
- Remove:
  - Rear console (page 20-48)
  - Rear upper trim panel (page 20-36)
  - Side upper trim (page 20-36)
  - Rear personal box assembly (page 20-36)
  - Side lower trim panel (page 20-36)
  - Ceiling light (page 20-37)
  - Rear roof trim panel (page 20-37)
  - Quarter trim panel (page 20-37)
- 2 Check for gap between glass and glass run channel at fore and aft, and right and left. Check rear window operation

NOTE: Check the glass run channel for damage or deterioration and replace if necessary

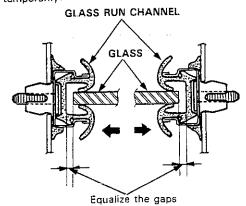
- 3. Lower the rear window glass fully
- Remove the mounting bolt, then fall the rear window panel assembly down as shown (page 20-27)



- Loosen the glass mounting nuts, then adjust the glass right and left to equalize the gap between the glass and glass run channel
- 6 Mount the rear window panel assembly to the body, then install the upper mounting bolts temporarily as shown
- 7 Raise the rear window glass fully Check that the gap between glass and glass run channel equalize



Install the upper mounting bolt temporarily.



Repeat the steps 3 thru 7 until each gaps is equalized. After adjusting, tighten the glass mounting nuts.

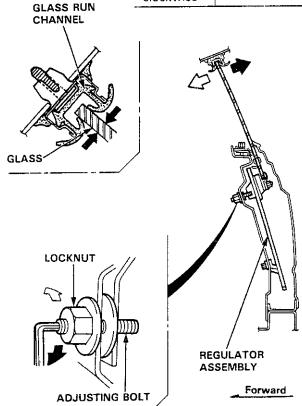
(cont d)

# **Rear Window Glass**

# Glass Adjustment (cont'd)

- Mount the rear window panel assembly to the body, then install the upper mounting bolts temporarily.
- 10. Raise the rear window glass fully, then loosen the upper locknuts on each side and turn adjusting bolt to equalize the gap between the glass and glass run channel

Adjusting	Top Edge
Bolt	of Glass
Clockwise	→ Moved out
Counter-	⇒ Moved
clockwise	⇒ in



#### NOTE:

 Turn the right and left adjusting bolts the same amount so as to keep the regulator assembly parallel with the seating surface of the rear window panel

After tightening the adjusting bolts make sure that the ends of the bolts still project out of the locknuts.

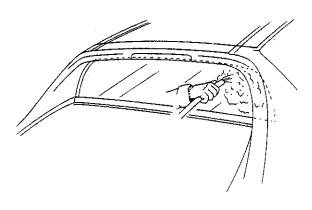
Check for smooth movement of the glass

11. After the gap have heen adjusted properly, recheck for smooth movement of the glass.

#### NOTE:

- Make sure the wire harnesses and cables are fastened correctly on the panel (page 20-28)
- Apply sealant along the edge where necessary to maintain a continuous seal and prevent water leak (page 20-28).
- 12 With the door, door glass, rear window glass and roof closed fully, check for water leak.

- When setting the roof in place on the car, secure the roof by turning each roof-side lock handles.
   Make sure they are locked securely
- Do not use high pressure water



- 13. Reassembly all removed parts
- 14. Check for air leak.

### **Front Trims**



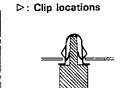
### Replacement

CAUTION: When prying with a flat tip screwdriver, wrap it with protective tape to prevent damage.

#### NOTE:

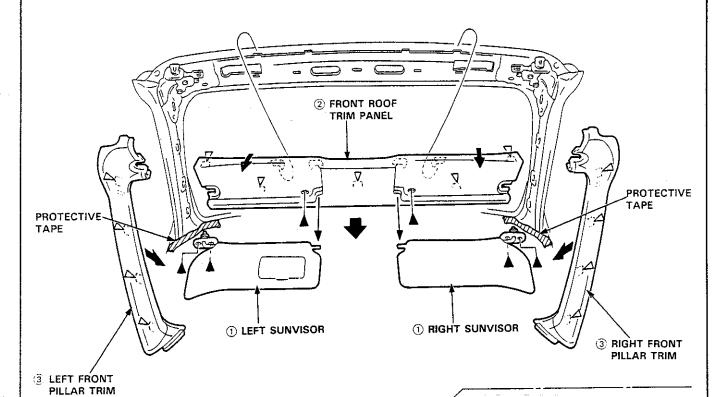
- Take care not to scratch the panels and trims
- Remove the roof (When removing the roof of the power roof, refer to page 20-154)

Disassemble in numbered sequence



➤: Mounting screw locations

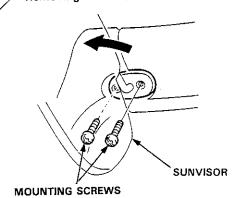




#### NOTE

- Take care not to scratch the dashboard when removing the front pillar trim.
- Use protective tape on the dashboard.
- When installing the front pillar trim, the bottom of trim is inserted in a gap at the dashboard.

### Removing the sunvisor:



#### NOTE

- If necessary, replace any damaged clips
- Make sure the panel and trims are secured properly.
- When setting the roof in place on the car secure the roof by turning each roof-side lock handles
   Make sure they are locked securely

### **Interior Trims**

### Replacement

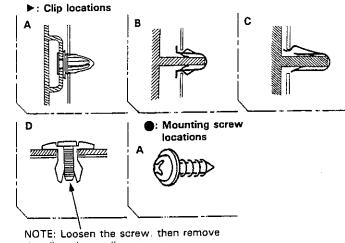
CAUTION: When prying with a flat tip screwdriver, wrap it with protective tape to prevent damage.

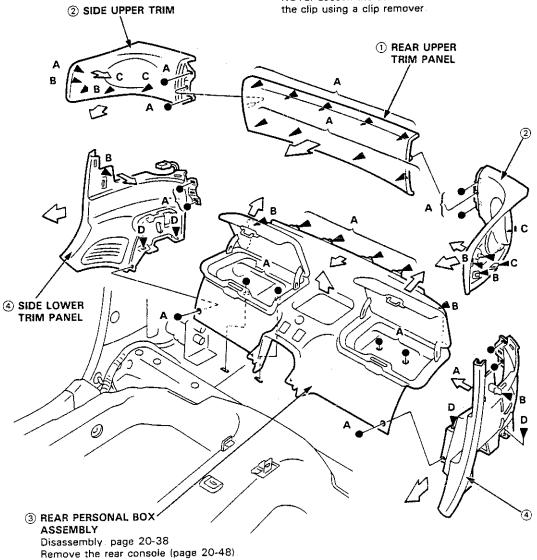
#### NOTE:

- Take care not to scratch the panels and trims
- Slide the seat fully forward, then fall the seatback down forward
- Remove the roof (When removing the roof of the power roof, refer to page 20-154).

Open the rear personal box lid

Disassemble in numbered sequence



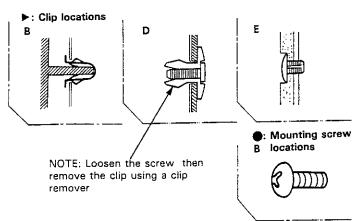


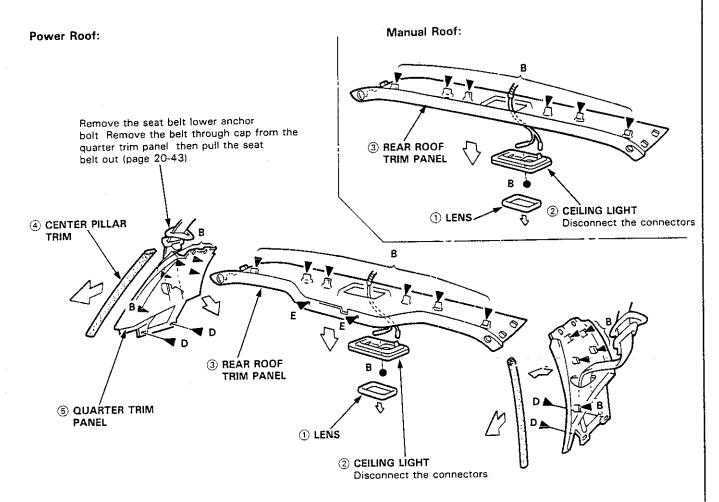


CAUTION: When prying with a flat tip screwdriver, wrap it with protective tape to prevent damage.

- Take care not to scratch the parels and trims.
- Remove the roof (When removing the roof of the power roof, refer to page 20-154).
- Remove the rear upper trim panel and side upper trim

Disassemble in numbered sequence.





Installation is the reverse of the removal procedure

- If necessary, replace any damaged clips
- Make sure the panels and trims are secured properly
- When setting the roof in place on the car, secure the roof by turning each roof-side lock handles. Make sure they are locked securely

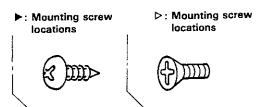
### Interior Trims

### Rear Personal Box Disassembly

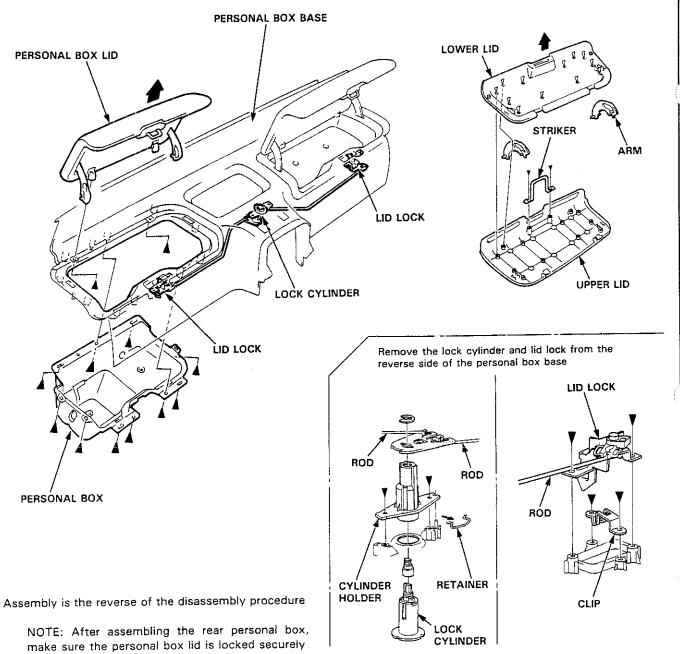
CAUTION: When prying with a flat tip screwdriver, wrap it with protective tape to prevent damage

#### NOTE:

- Take care not to scratch the rear personal box assembly.
- Take care not to bend the rod.



Disassembling the personal box lid:



### **Trunk Trims**



### Replacement

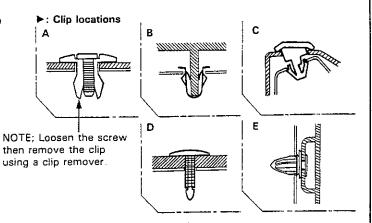
CAUTION: When prying with a flat tip screwdriver, wrap it with protective tape to prevent damage.

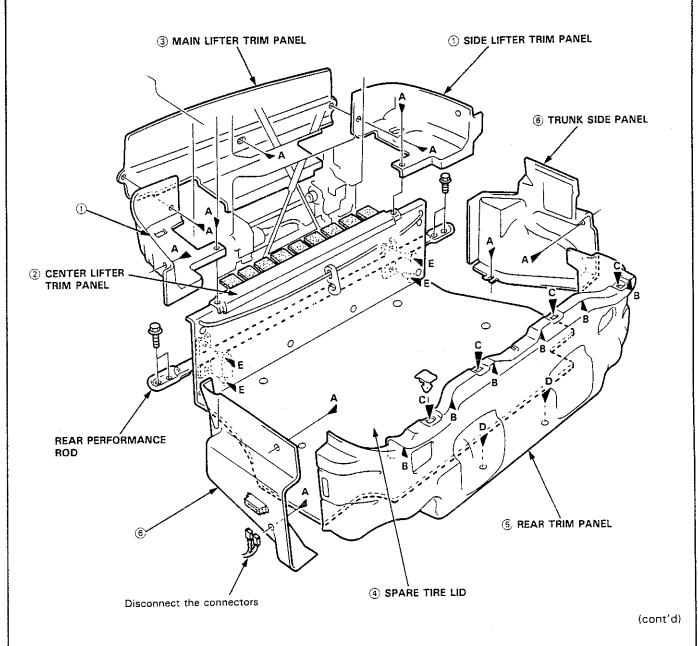
#### NOTE

- Take care not to bend or scratch the panels.
- Close the rear window fully
- Open the trunk lid fully.

Disassemble in numbered sequence.

### Power Roof:





### **Trunk Trims**

### Replacement (cont'd)

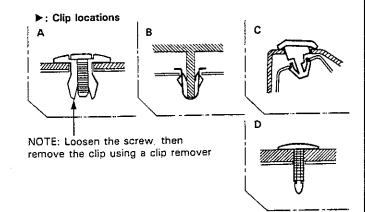
CAUTION: When prying with a flat tip screwdriver, wrap it with protective tape to prevent damage.

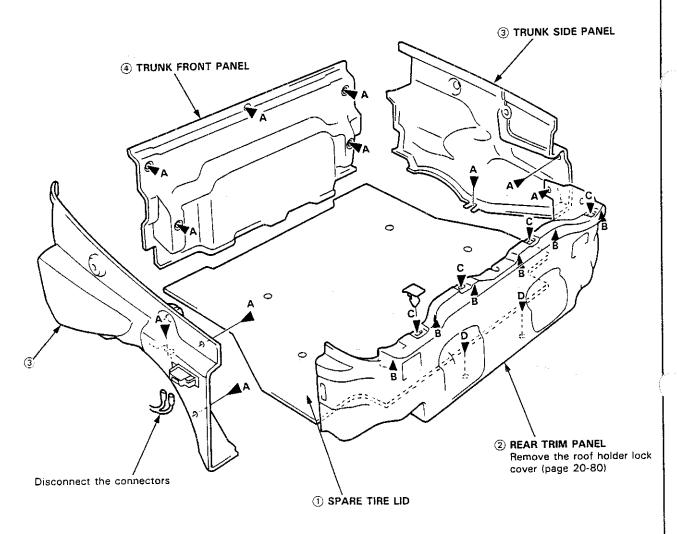
#### NOTE:

- Take care not to bend or scratch the panels
- Open the trunk lid

Disassemble in numbered sequence.

### Manual Roof:





Installation is the reverse of the removal procedure.

- If necessary, replace any damaged clips
- Make sure the panels are secured properly

### **Seats**

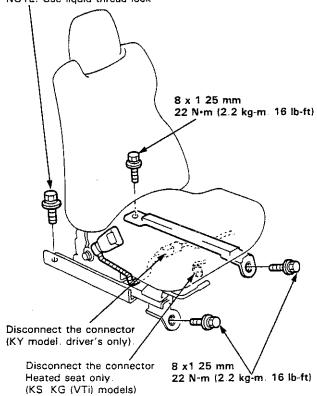


### Removal:

NOTE: Take care not to scratch the seat covers and body

1 Remove the mounting bolts and disconnect the connectors, then remove the seat assembly

10 x 1.25 mm 40 N·m (4.0 kg-m, 29 lb-ft) NOTE: Use liquid thread lock

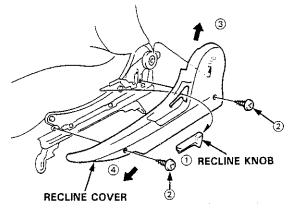


2 Installation is the reverse of the removal procedure

### Replacement

NOTE: Take care not to scratch the seat covers and body

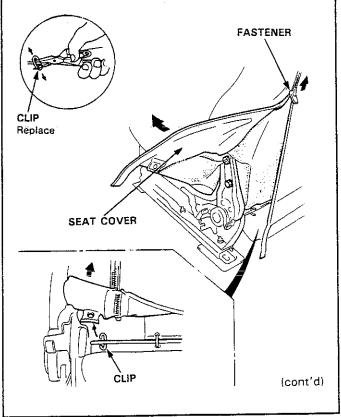
- 1 Remove the seat assembly, then take it out from the door opening
- 2 Remove the screws and recline knob, then remove the recline cover



 Remove the lower clip from the seat-back, then fold the seat cover and pad back until you can see the seat-back mounting bolts

NOTE: take care not to damage the pad

Removing the clip:

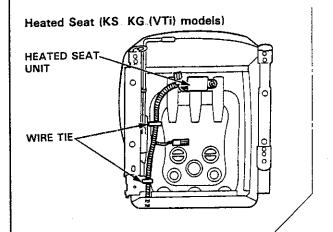


### Seats

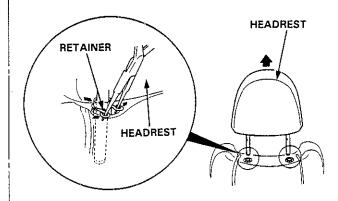
### - Replacement (cont'd)

4. Remove the seat-back and seat cushion from the seat tracks. If necessary, remove the headrest.

NOTE: Because the seat covers are adhered, do not replace the seat covers only.

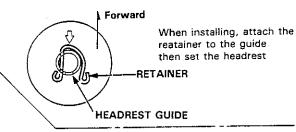


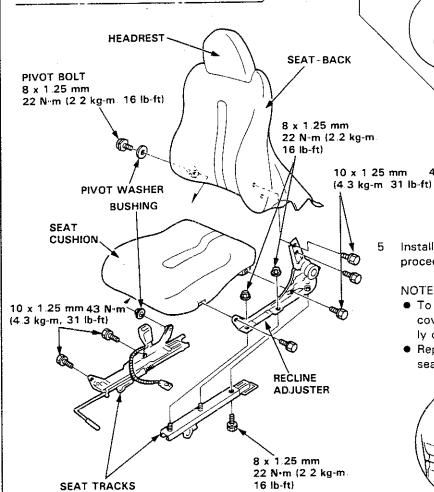
Removing the headrest:



#### NOTE:

- Push the seat cover until you can see the retainer, then detach the retainer forward
- Take care not to drop the retainer inside the seat-back



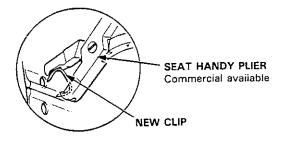


Installation is the reverse of the removal procedure

### NOTE:

43 N·m

- To prevent wrinkles when installing a seatback cover, make sure the material is stretched evenly over the frame before securing the clip.
- Replace the clip with new one by using a seat handy plier



· Apply grease to the moving surfaces

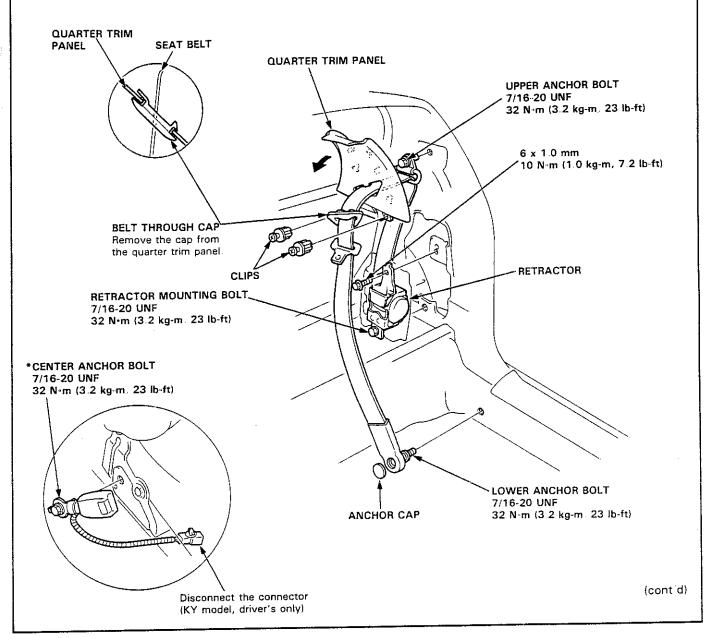
### **Seat Belts**



### - Replacement

CAUTION: Check the seat belts for damage and replace them if necessary. Be careful not to damage then during removal and installation.

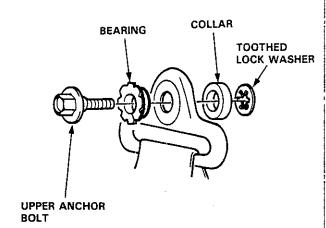
- 1 Remove:
  - Rear upper trim panel (page 20-36)
  - Side upper trim (page 20-36)
  - Rear personal box assembly (page 20-36)
- Side lower trim panel (page 20-36)
- Quarter trim panel (page 20-37)
- Seat (page 20-41)
- 2. Remove the upper anchor bolt, lower anchor bolt and retractor bolt with a 17 mm socket or box-end wrench
- 3 Remove the seat, then remove the bolt and the center anchor.

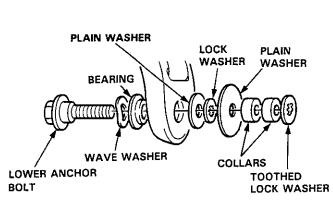


### **Seat Belts**

### Replacement (cont'd)

Anchor bolt construction:





- Check that the retractor locking mechanism functions as described on page 20-45
- Installation is the reverse of the removal procedure.

- Make sure you assemble the washers and collars on the upper and lower anchor bolts as shown.
- Before attaching the quarter trim panel, make sure there are no twists or kinks in the belts.
- On reassembly, replace the center anchor bolt (\*) and use liquid thread lock.



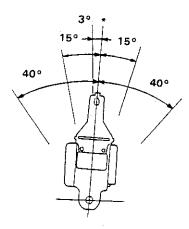
### Inspection

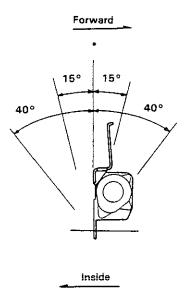
### Retractor Inspection

- Before installing the retractor, check that the belt can be pulled out freely
- 2. Make sure that the belt does not lock when the retractor is leaned slowly up to 15° from the mounted position. The belt should lock when the retractor is leaned over 40°

CAUTION: Do not attempt to disassemble the retractor.

\*: Mounted Position





3 Replace the belt assembly with a new one if there is any abnormality

#### On-the-Car Belt Inspection

- Check that the belt is not twisted or caught on anything
- After installing the anchors, check for free movement on its retaining bolt. If necessary, remove the bolt and check that the washers and other parts are not damaged or improperly installed.
- 3. Check the belts for damage or discoloration. Clean with a shop towel if necessary.

### CAUTION: Use only soap and water to clean

NOTE: Dirt build-up in the metal loops of the seat belt anchors can cause the belts to retract slowly Wipe the inside of the loops with a clean cloth dampened in isopropyl alcohol.

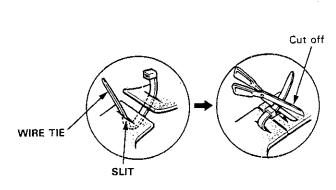
- Check that the belt does not lock when pulled out slowly. The belt is designed to lock only during a sudden stop or impact.
- Make sure that the belt will retract automatically when released
- 6 Replace the belt assembly with a new one if there is any abnormality

### Carpet

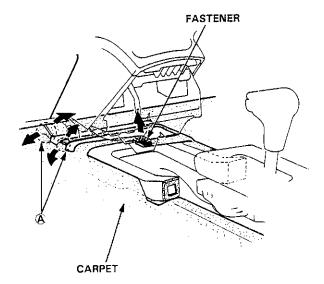
### Replacement

- 1 Remove:
  - Center/Rear console (pages 20-48, 49)
  - Seats (page 20-41)
  - Seat belt lower anchors (page 20-43)
  - Rear upper trim panel (page 20-36)

- Side upper trim (page 20-36)
- Rear personal box assembly (page 20-36)
- Side lower trim panel (page 20-36)
- Footrest
- 2. Pry out the clips and detach the door sill molding clips
- 3. Cut the (A) area first, then pull the carpet back as shown. Detach the fastener.



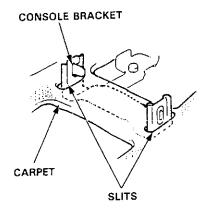
NOTE: When installing, reattach the cut area with a wire tie as shown



4 Remove the carpet by sliding it rearward

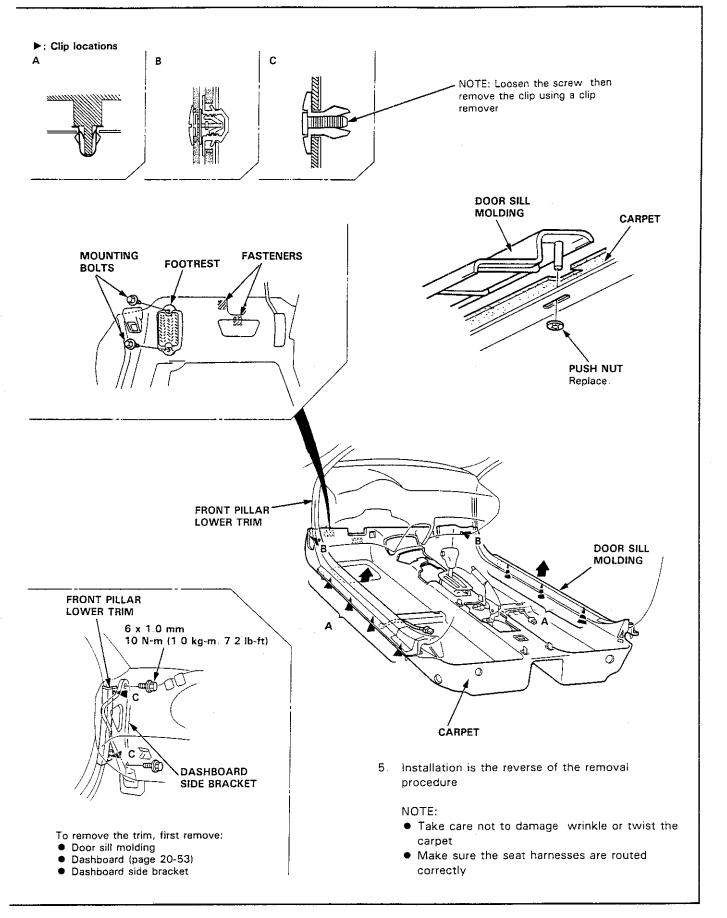
### NOTE:

- Take care not to damage, wrinkle or twist the carpet.
- Remove the slits in the carpet from the consol bracket



NOTE: When installing, slip the slits in the carpet over the console bracket.





### Center/Rear Console

### Replacement -

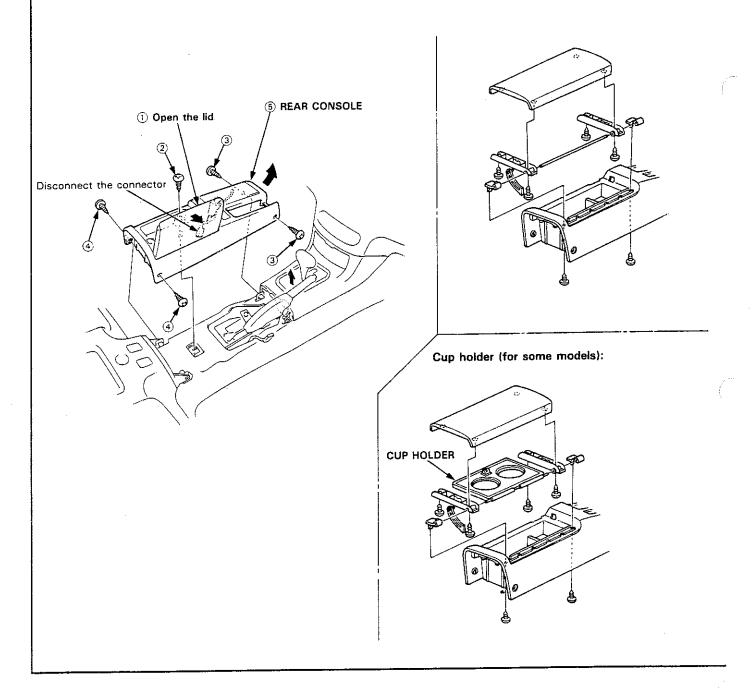
#### CAUTION:

- To prevent damage to the shift lever, wrap it with a shop towel (A/T model).
- When removing the center console, use the protective tape to the dashboard to prevent damage.

#### NOTE:

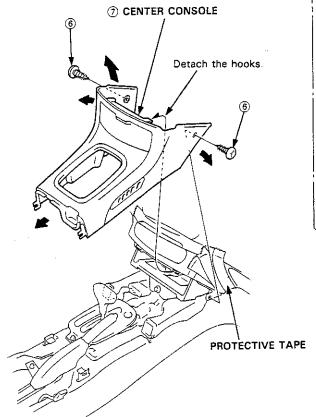
- Move the select lever back (A/T model).
- Remove the shift lever knob (M/T model).
- Lift up the parking brake lever.
- Take care not to scratch the consoles and dashboard.

Disassemble in numbered sequence.

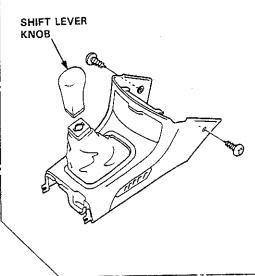




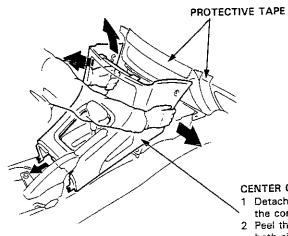
### Automatic transmission model:



### Manual transmission model:



### Removing the center console:



### CENTER CONSOLE

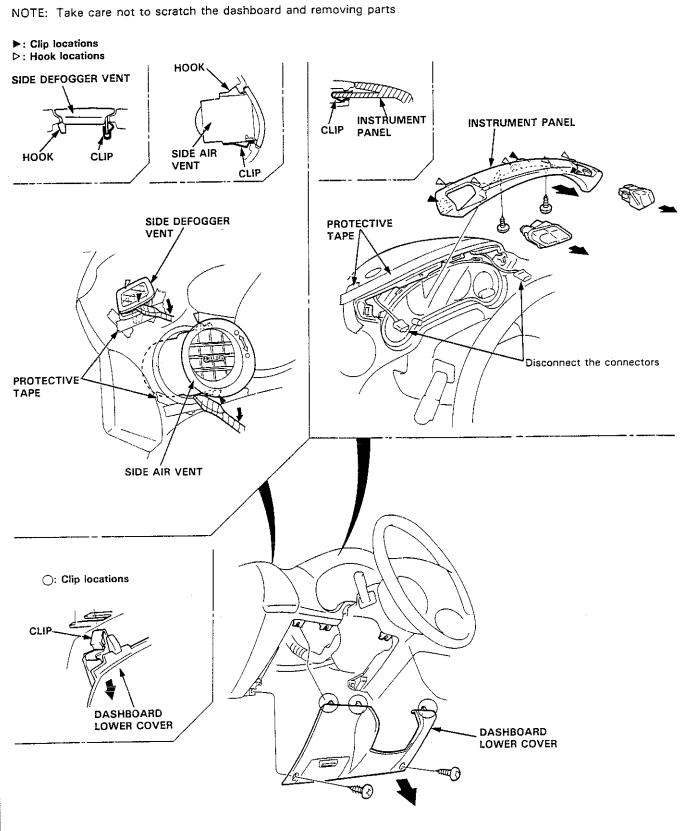
- 1 Detach the hooks by sliding the console to the rear
- 2 Peel the console at front both side.
- 3 Starting at the front, lift the console up and remove it.

Installation is the reverse of the removal procedure

### **Dashboard**

### Component Removal/Installation

CAUTION: When prying with a flat tip screwdriver, wrap it with protective tope to prevent damage

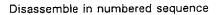


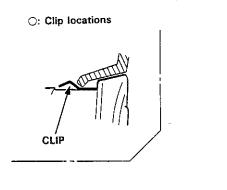


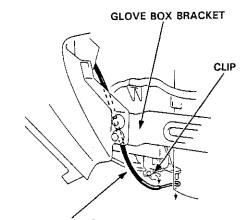
CAUTION: When prying with a flat tip screwdriver, wrap it with protective tape to prevent damage.

#### NOTE:

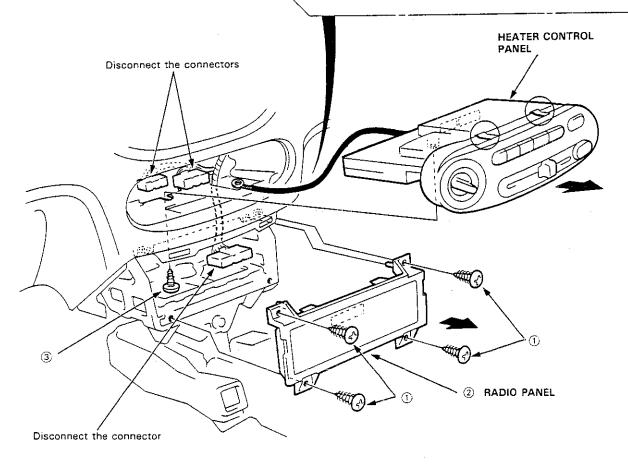
- Take care not to scratch the dashboard and removing parts
- Do not drop the screws inside the dashboard.
- Remove the center console (page 20-49).







AIR MIX CÁBLE NOTE: Take care not to bend the cable



(cont'd)

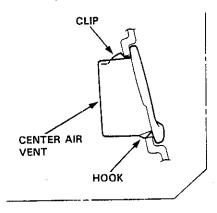
### **Dashboard**

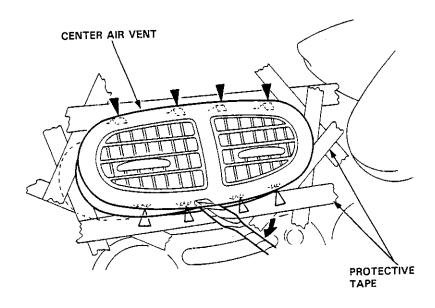
## Component Removal/Installation (cont'd)

CAUTION: When prying with a flat tip screwdriver, wrap it with protective tape to prevent damage.

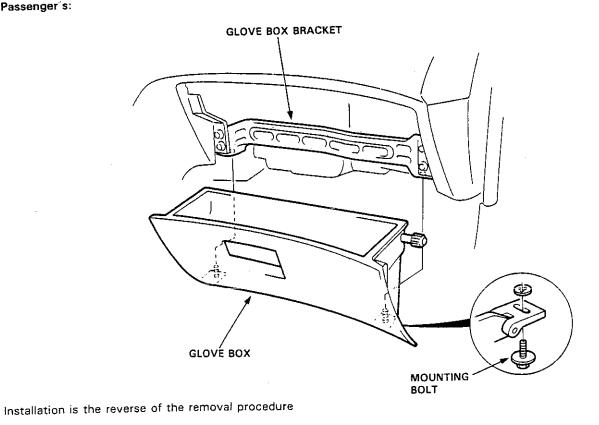
NOTE: Take care not to scratch the dashboard and removing parts

▶: Clip locations ▷: Hook locations





### Passenger's:

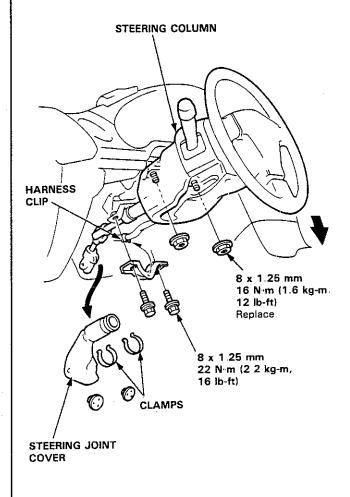


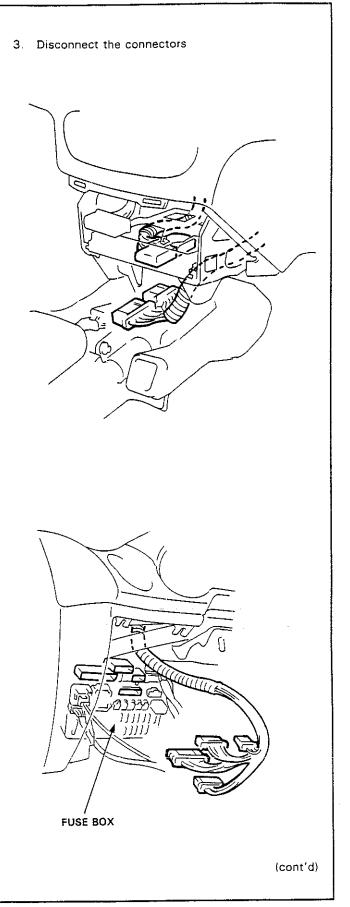


### Replacement

- 1. To remove the dashboard, first remove the:
  - Seat (page 20-41)
  - Center/rear console (pages 20-48, 49)
  - Radio panel (page 20-51)
  - Heater control panel (page 20-51)
  - Dashboard lower cover (page 20-50)
  - Glove box (page 20-52)
- 2. Lower the steering column (see Section 17).

CAUTION: To prevent damage to the steering column, wrap it with a shop towel.





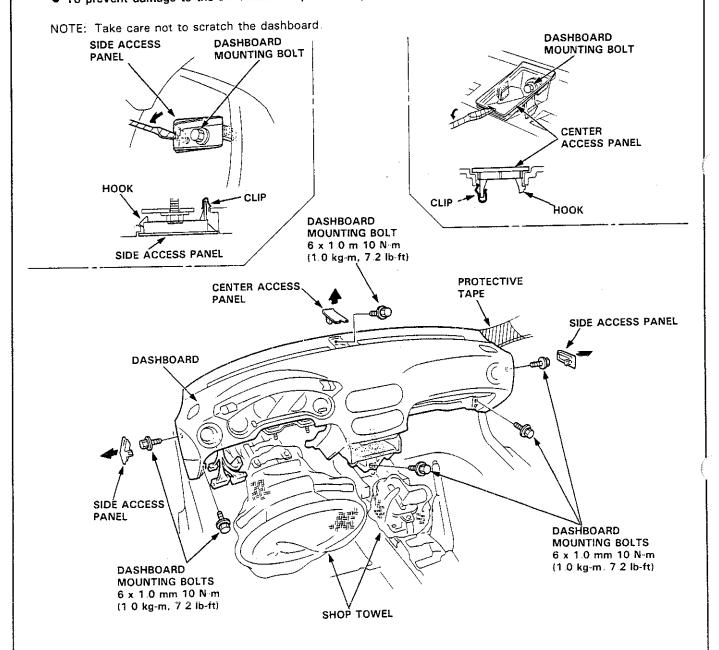
### **Dashboard**

### Replacement (cont'd)

- Remove the access panels 4
- Remove the 6 mounting bolts, then lift and remove the dashboard

#### CAUTION:

- Use protective tape on the bottom of the front pillar trim
- When prying with a flat tip screwdriver, wrap it with protective tape to prevent damage.
- To prevent damage to the shift indicator panel, wrap it with a shop towel (A/T model)

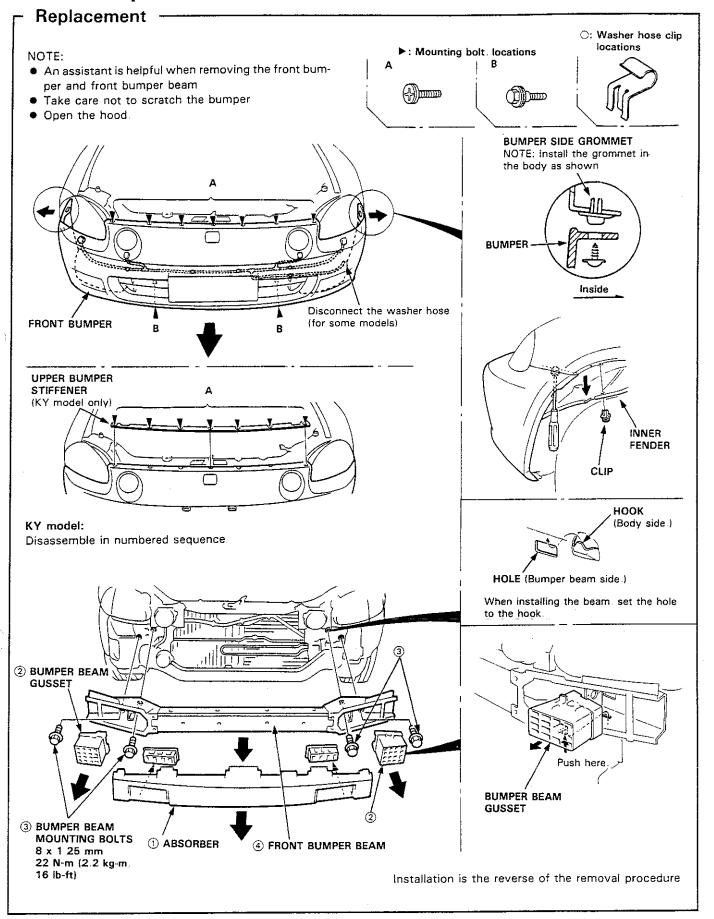


Installation is the reverse of the removal procedure.

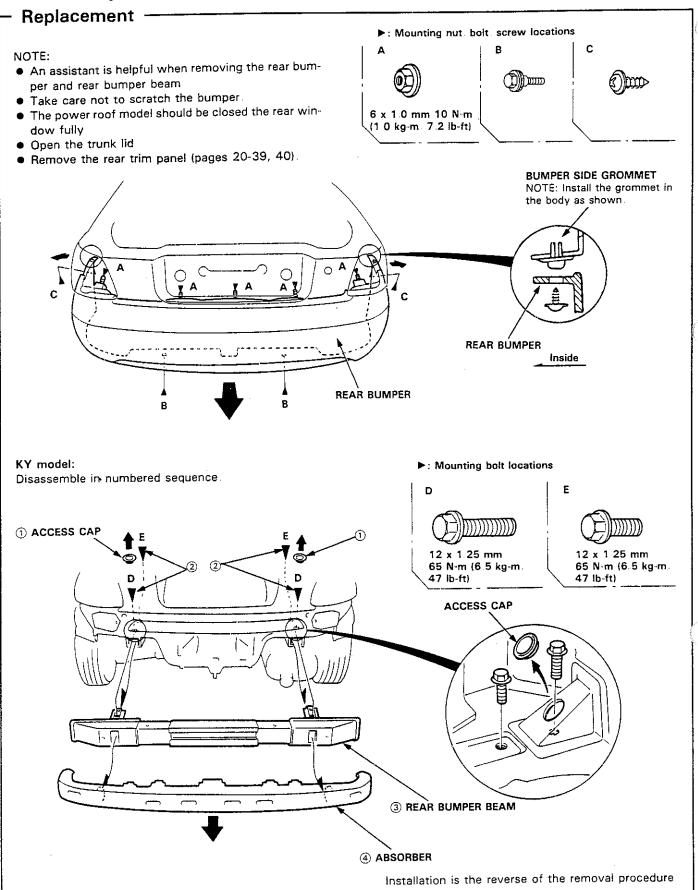
- Before tightening the dashboard bolts, make sure the dashboard wire harnesses are not pinched
- Make sure the connectors are connected properly

### Front Bumper





### Rear Bumper



### Hood



. Clip locations

**HOOD EDGE** 

**PROTECTOR** 

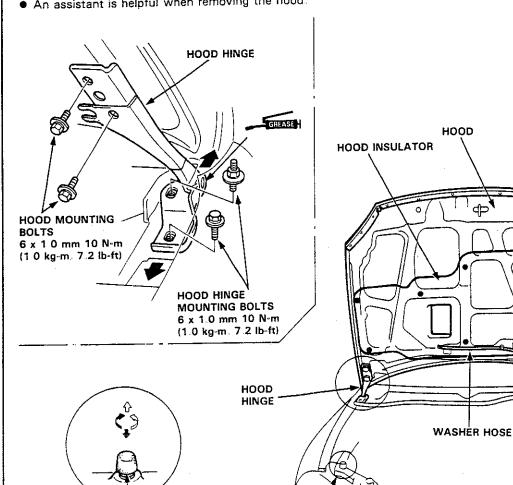
(page 20-65)

Y-JOINT

### - Replacement/Adjustment

#### NOTE:

- Take care not to scratch the hood
- An assistant is helpful when removing the hood.



### ALIGNMENT:

• The hinges can be adjusted right and left as well as fore and aft by using the elongated holes.

HOOD EDGE CUSHION

- Turn the edge cushions as necessary, to make the hood fit flush with the body at front and side edges
- Adjust the hood lock to obtain the proper height at the forward edge.

Installation is the reverse of the removal procedure.

HOOD LOCK

(page 20-60)

### NOTE:

HOOD EDGE

CUSHION

- Make sure the hood is locked securely. Apply grease to the moving surface
- Adjust the hood alignment.

### **Opener Cables**

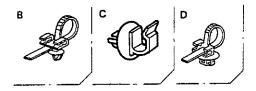
# Replacement NOTE: O: Clip locations ▶: Clip locations ▷: Mounting screw • Take care not to bend the opener cables. locations • When removing the clips, use a clip remover Hood Opener Cable: <LHD> NOTE: Loosen the screw then remove the clip using a clip remover HOOD LOCK (page 20-60) HOOD OPENER (page 20-60) INNER FENDER HOOD OPENER CABLE Remove the front bumper (page 20-55) and inner fender <RHD> HOOD LOCK HOOD OPENER HOOD OPENER CABLE INNER FENDER



### NOTE:

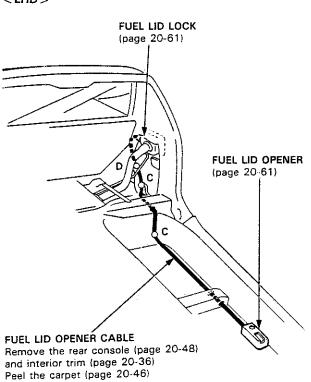
- Take care not to bend the opener cables.
- When removing the clips, use a clip remover.

### O: Clip locations

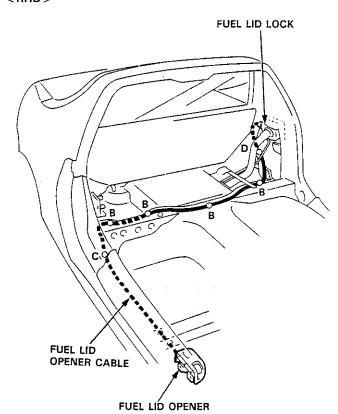


### Fuel Lid Opener Cable:

<LHD>



<RHD>



Installation is the reverse of the removal procedure.

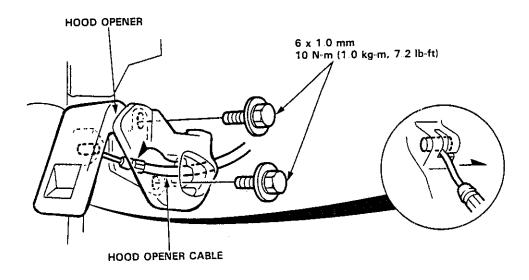
- Make sure the opener cables are routed and connected properly
- Make sure the hood and fuel lid are locked securely

### Opener and Lock

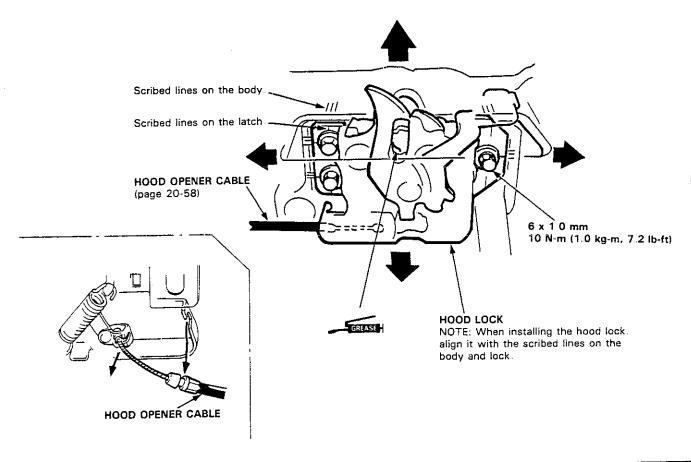
### - Replacement

NOTE: Take care not to bend the opener cable

**Hood Opener:** 

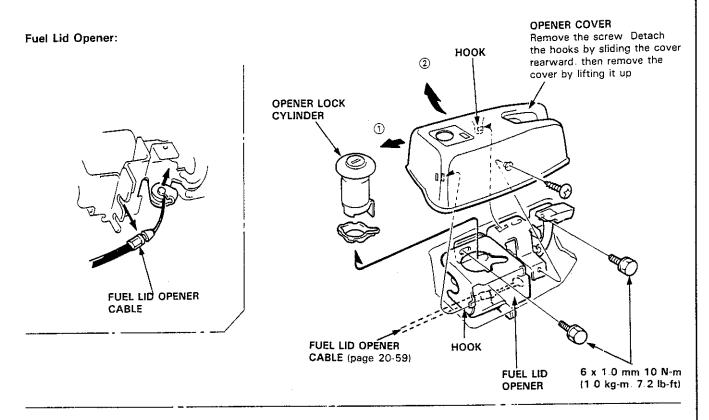


### **Hood Lock:**

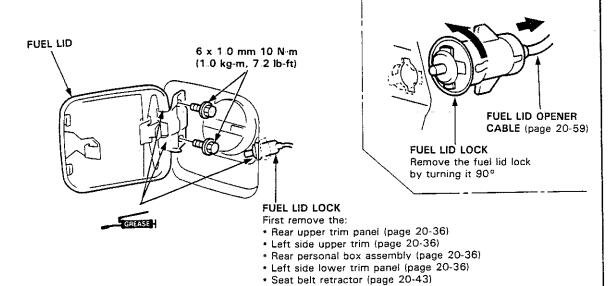




NOTE: Take care not to bend the opener cable



#### Fuel Lid Lock:



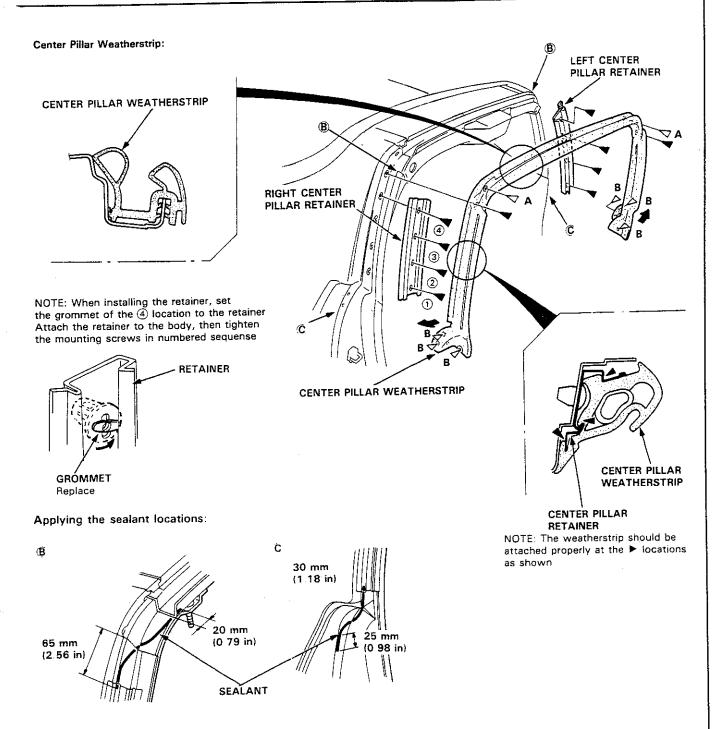
Installation is the reverse of the removal procedure

- Make sure the hood and fuel lid are locked securely
- Adjust the hood and fuel lid alignment

### Front/Center Pillar Weatherstrips

# Replacement ➤: Mounting screw ⇒: Clip locations NOTE: locations Take care not to damage the weatherstrip Remove the roof (When removing the roof of the power roof, refer to page 20-154) When removing the clips, use a clip remover Front Weatherstrip: FRONT WEATHERSTRIP FRONT WEATHERSTRIP Remove the screws and clips, then peel the weatherstrip off from the bottom of the front pillar Applying the sealant locations: Â 20 mm (0 79 in) FRONT WEATHERSTRIP **SEALANT** 120 mm (7 42 in)





Installation is the reverse of the removal procedure

- Make sure there are no twist the weatherstrips.
- If necessary, replace any damaged clips
- When setting the roof in place on the car, secure the roof by turning each roof-side lock handles. Make sure they are locked securely.
- With the door, door glass and rear window closed fully, check for water and air leaks.
- Spray water over the roof. Do not spray to the sealing area directly and do not use high pressure water

### Rear Roof Rail Trim/Center Pillar Trim Panels

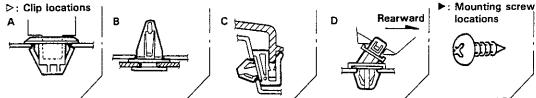
### Replacement

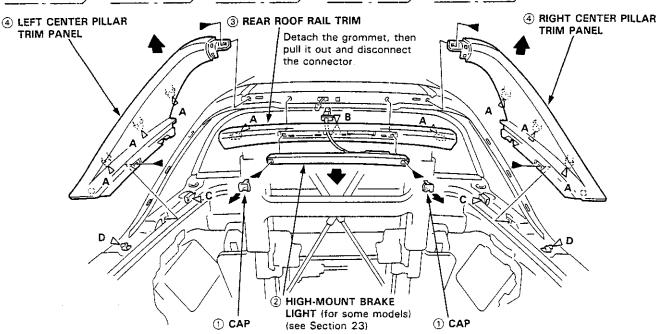
CAUTION: When prying with a flat tip screwdriver, wrap it with protective tape to prevent damage.

#### NOTE:

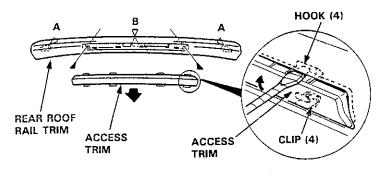
- Take care not to scratch the panels and trim.
- The power roof model should be closed the rear window fully.
- When removing the lower mounting screw of the center pillar trim panel, open the trunk lid fully.

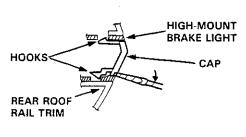
### Disassemble in numbered sequence.





Except high-mount brake light model:





NOTE: Do not snap the hooks

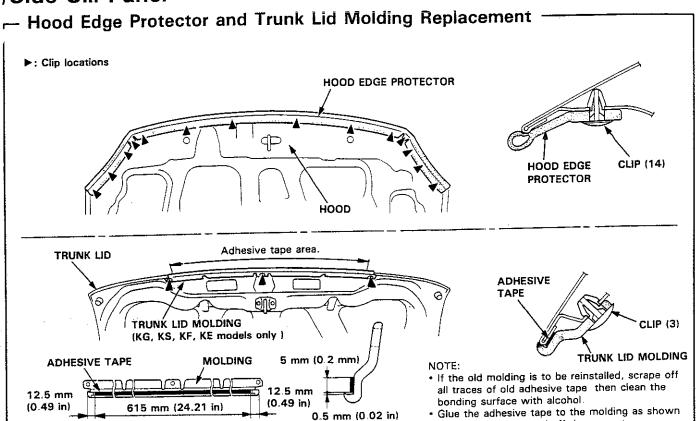
Installation is the reverse of the removal procedure

- If necessary, replace any damaged clips
- Make sure the connector and grommet are connected properly (high-mount brake light model)

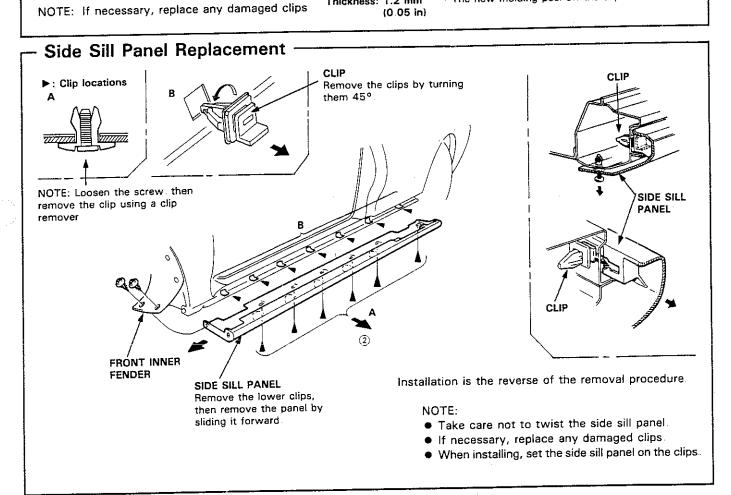
# Hood Edge Protector and Trunk Lid Molding /Side Sill Panel



The new molding peel off the separator



Thickness: 1.2 mm



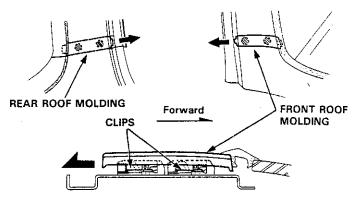
### Roof Molding/License Base Plate

### **Roof Molding Replacement**

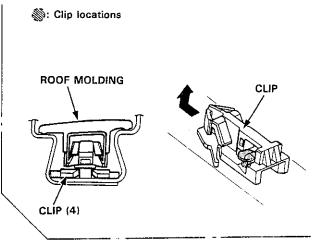
CAUTION: When prying with a flat tip screwdriver, wrap it with protective tape to prevent damage...

#### NOTE:

- Take care not to twist or scratch the molding
- Remove the roof (When removing the roof of the power roof, refer to page 20-154)
- Peel the front and center pillar weatherstrip out (pages 20-62, 63)



Remove the molding by sliding it opening roof side.



When installing the moldings, attach the clips, then install the molding by sliding it opening roof side.

#### NOTE:

- If necessary, replace any damaged clips.
- When setting the roof in place on the car, secure the roof by turning each roof-side lock handles Make sure they are locked securely

### License Base Plate Replacement

#### NOTE:

- Take care not to scratch the plate and body
- The power roof model should be closed the rear window fully
- Open the trunk lid fully
- Remove the rear trim panel (pages 20-39, 40)

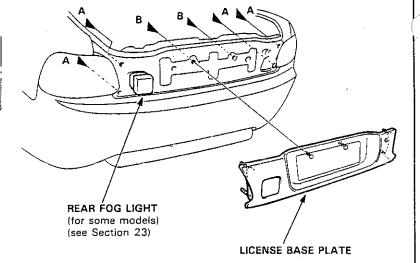
### ▶: Mounting nut locations



8 x 1.25 mm 22 N·m (2.2 kg-m. 16 lb-ft)



8 x 1.25 mm 22 N·m (2.2 kg·m. 16 lb-ft)



Installation is the reverse of the removal procedure.

### Trunk Spoiler



### ┌ Replacement

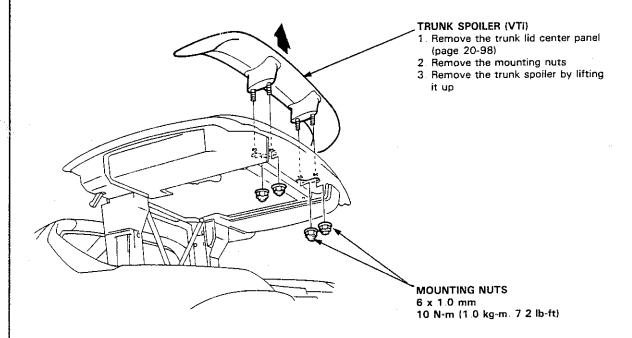
#### CAUTION:

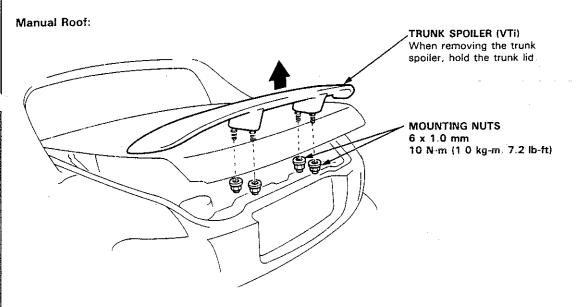
- Do not apply strong force on the lifter (Do not force the fully open trunk lid down)...
- When removing the trunk spoiler, use protective tape or shop towel on the trunk lid and trunk spoiler to prevent damage.

#### NOTE

- The power roof model should be closed the rear window fully.
- Open the trunk lid.
- Take care not to scratch the trunk lid and trunk spoiler.

#### Power Roof:





Installation is the reverse of the removal procedure

### Rear Emblems

### Installation

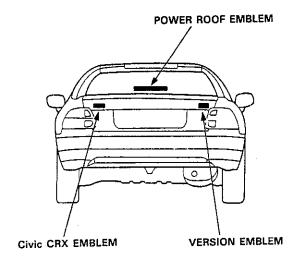
Apply the emblems where shown

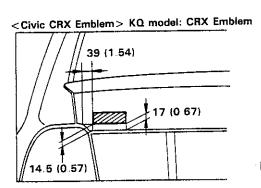
#### NOTE:

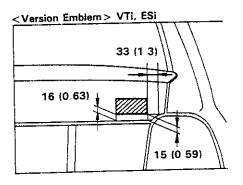
- Before applying, clean the body surface with a sponge dampened in alcohol.
- After cleaning, keep oil, grease or water from getting on the surface.
- When applying, make sure there are no wrinkles in the emblems.

Unit: mm (in)

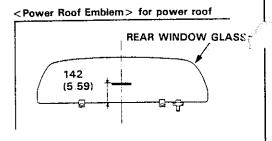
### **Attachment Points:**







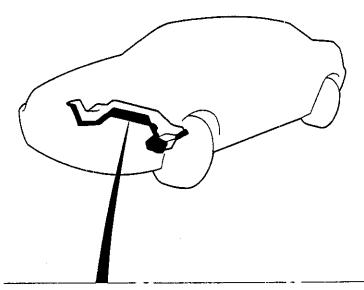
- Apply the power roof emblem on inside surface of the rear window glass.
- Removing the rear window panel assembly is described on page 20-27.
- Clean the glass applying surface with a sponge dampened in alcohol.
- Make sure the applying surface is kept free of water, oil and grease

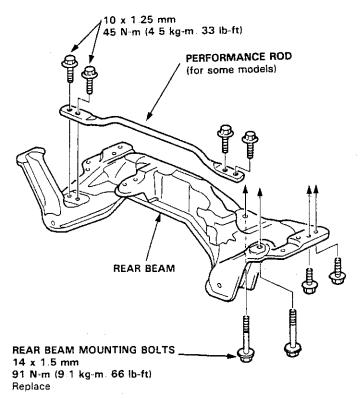


### Sub-Frame

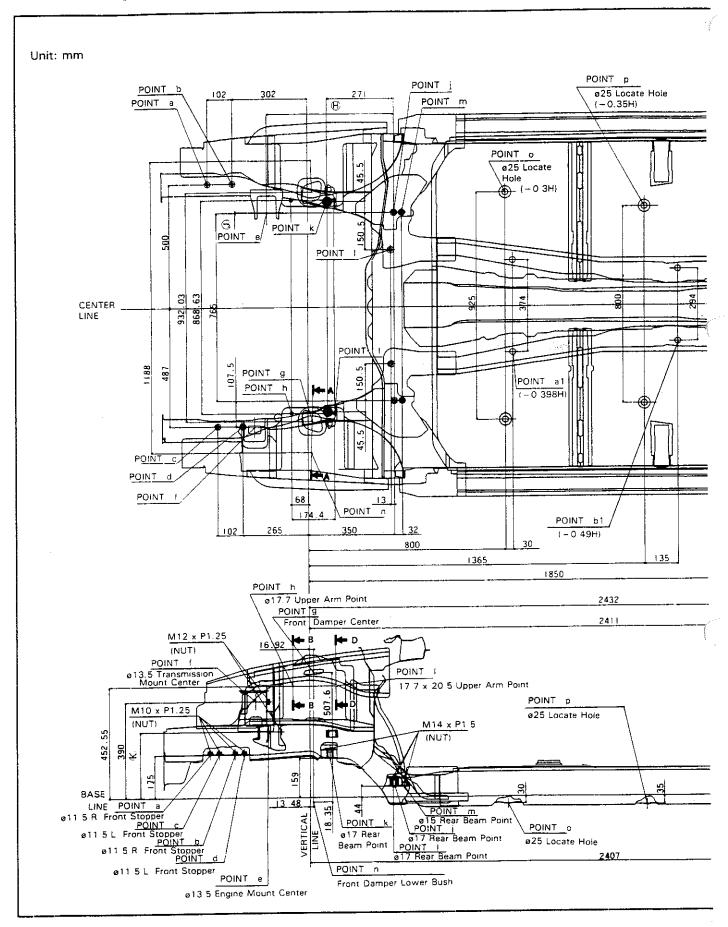


Sub-Frame Torque Sequence:

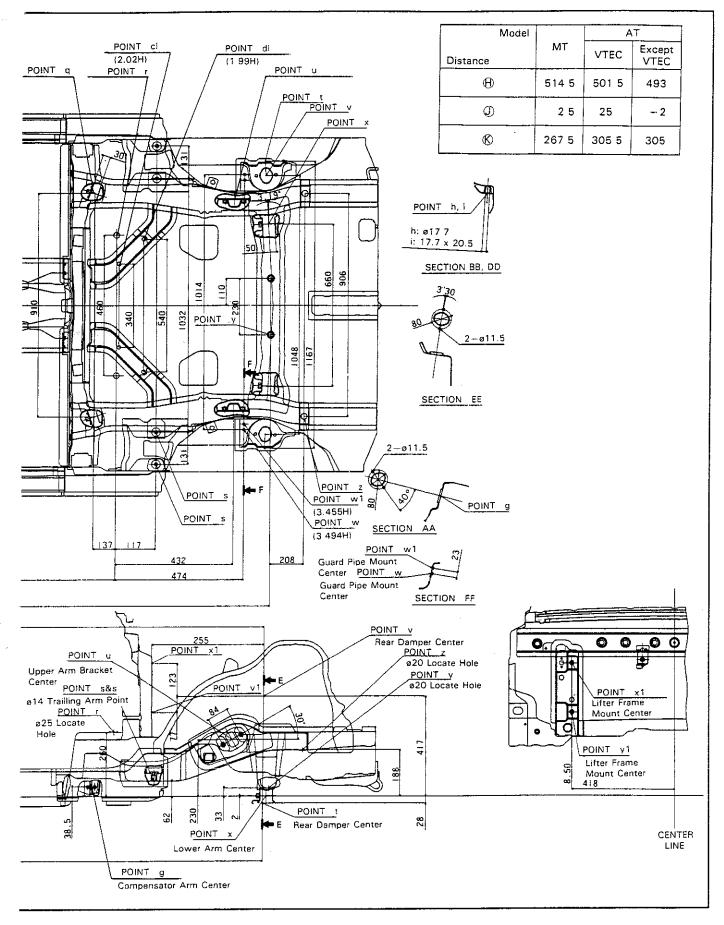




### Frame Repair Chart







# Manual Roof (for some models)

#### Roof **Roof Holder** Removal/Installation ................. 20-78 Disassembly 20-79 Roof-Side Weatherstrip/ Retainer ...... 20-84 Roof Holder Lock Replacment/Adjustment 20-80 Roof-Side Frame 20-87 Trunk Lid Roof (Roof-Side Frame) and Lock Catcher Adjustment ...... 20-88 **Lock Catcher** Replacement 20-91 Weatherstrip/Upper Drain Tube ..... 20-81

### General Precautions (if manual roof maintenance is required)

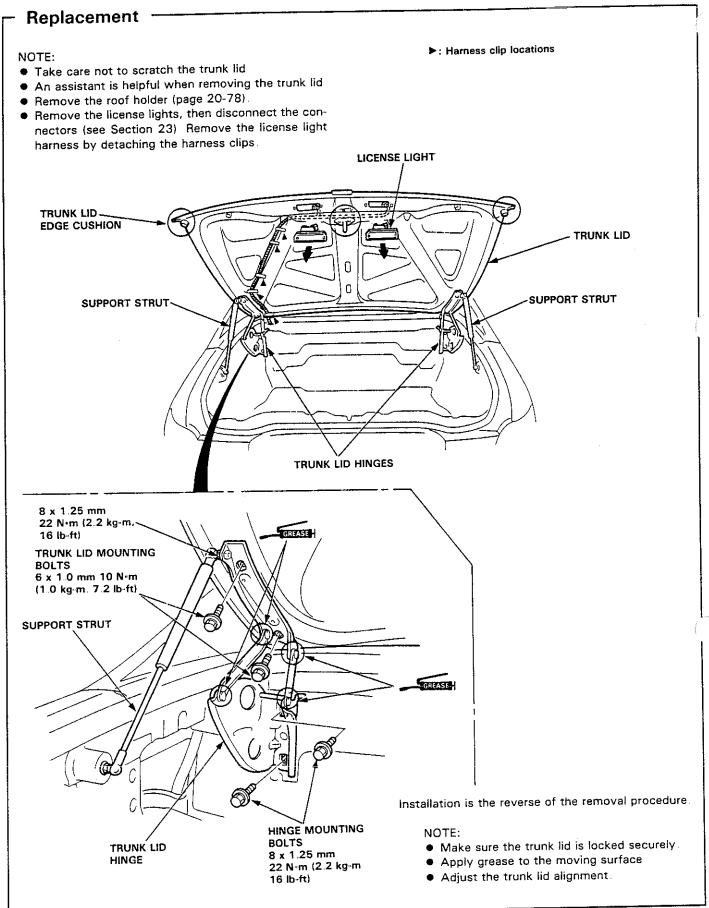
### CAUTION:

- Do not apply strong force on the edges of the roof opening.
- The roof of the manual roof made of the aluminum alloy. Therefore, take care not to deform or scratch the roof.
   If there is the minor deform or scratch on the roof, repair the roof with putty (refer to body repair manual).
- When replacing the component parts of the roof, the roof should be placed on a shop towel to prevent damage to the roof.

- Work with an assistant, when removing the roof.
- When the removed roof is stored in the trunk, lock the roof on the roof holder securely
- When setting the roof in place on the car, secure the roof by turning each roof-side lock handles. Make sure they are locked securely.



### **Trunk Lid**





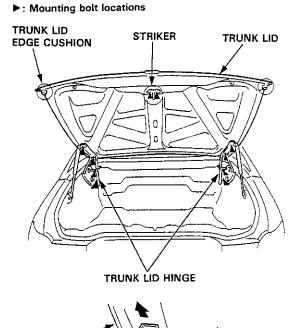
### Adjustment

### NOTE:

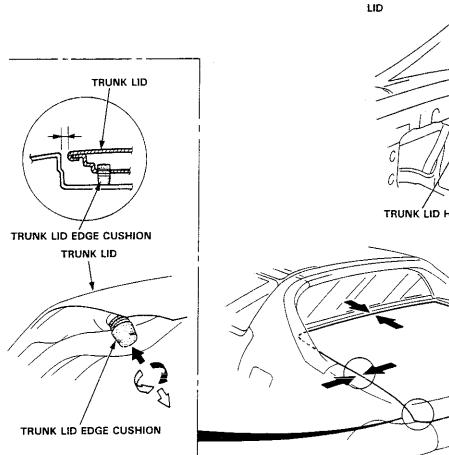
- Remove the roof holder (page 20-78) and support struts
- Before adjustment, loosen the mounting bolts of the trunk lid, trunk lid hinge and striker.
   Then lightly tighten the mounting bolts.

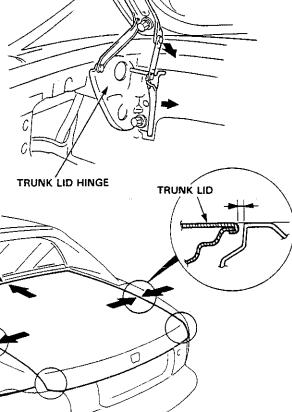
### ALIGNMENT:

- 1. Adjusting the trunk lid edge cushion
  - Turn the edge cushions as necessary, to make the trunk lid fit flush with the body at rear and side edge
- 2 Adjusting the gap between the trunk lid and the body.
  - Loosen the trunk lid mounting bolts, then adjust the trunk lid fore and aft as necessary to equalize the gap.
  - The hinges can be adjusted right and left by using the elongated holes



**TRUNK** 



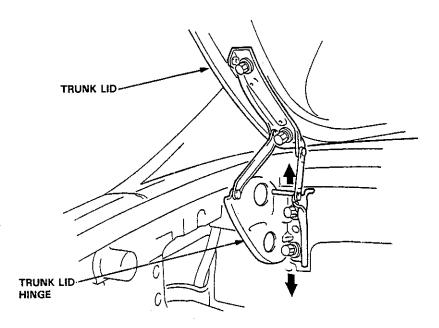


(cont'd)

# **Trunk Lid**

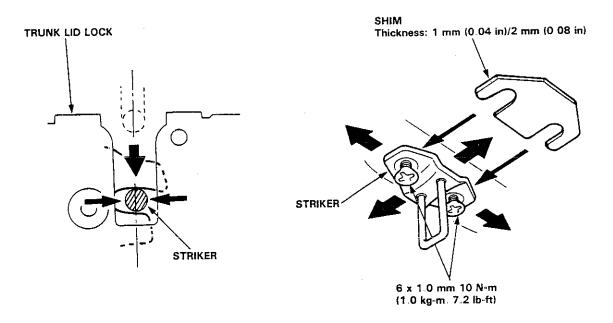
# Adjustment (cont'd)

- 3 Adjusting the trunk lid hinges to obtain the proper height at the forward edge.
  - The hinges can be adjusted up and down by using the elongated holes



- 4 Adjusting the trunk lid fit to the trunk lid opening.
  - After adjusting the trunk lid height, use shims as necessary, to make the trunk lid fit flush with the body at the rear edge.

NOTE: Move the striker right or left until it's centered in the trunk lid lock as shown.

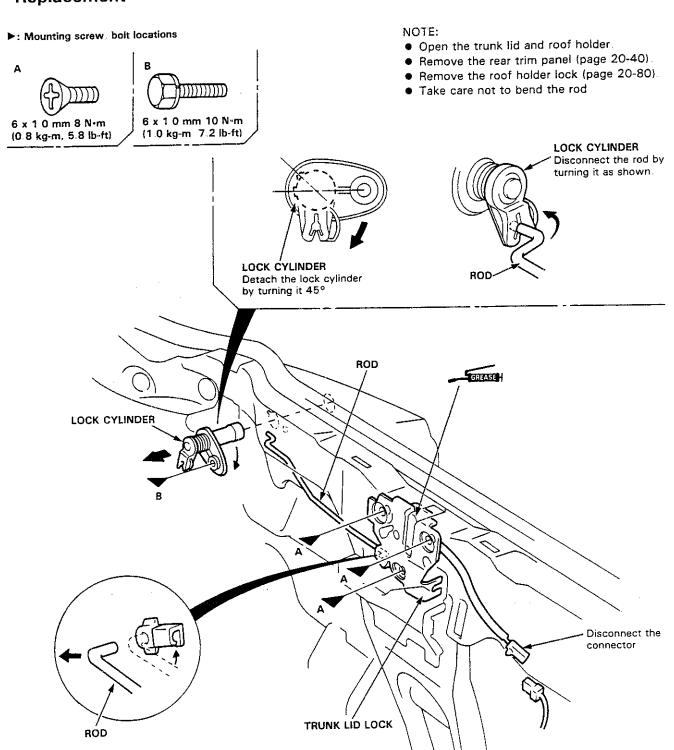


5. After adjustment, with the trunk lid closed fully, check for water leak

# **Trunk Lid Lock**



### Replacement -



Installation is the reverse of the removal procedure.

- Make sure the connector is connected properly.
- Make sure the trunk lid is locked securely
- Make sure the trunk lid is opened by putting the key in the lock and turning it clockwise.

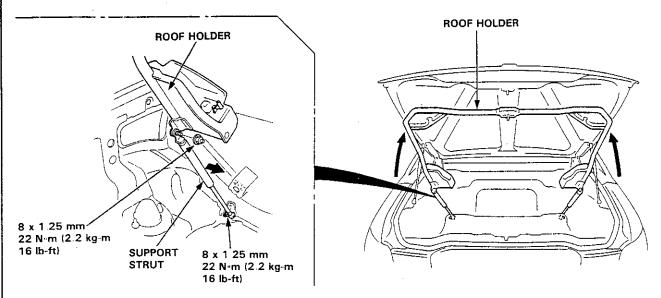
### **Roof Holder**

### Removal/Installation

### NOTE:

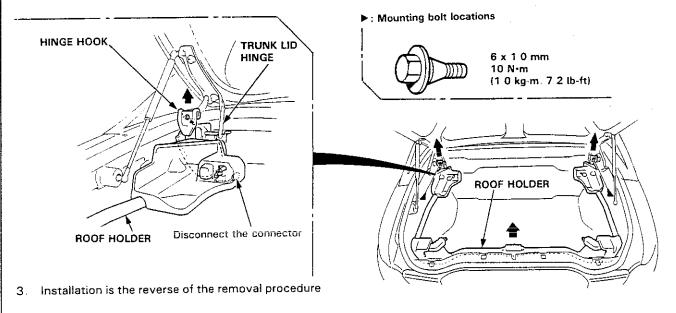
- Take care not to scratch the body.
- Close the roof and secure the roof by turning each roof-side lock. Make sure they are locked securely.
- · Open the trunk lid
- 1. Open the roof holder, then remove the support struts on both side.

NOTE: Remove the support struts while holding the roof holder



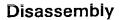
2. Close the roof holder, then remove the mounting bolts. Lift the hinge hooks up from the trunk lid hinges, then remove the roof holder.

NOTE: Disconnect the connector from the roof holder left side.



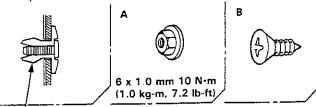
- Make sure the roof holder is locked securely
- Make sure the connector is connected properly

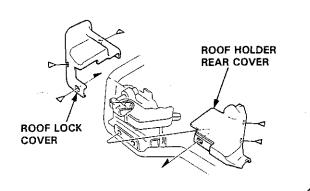




NOTE: Remove the roof holder

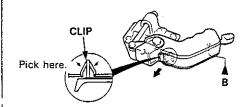
▷: Clip locations ►: Mounting nut screw locations



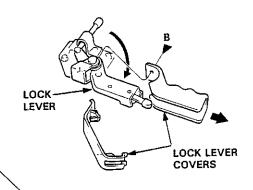


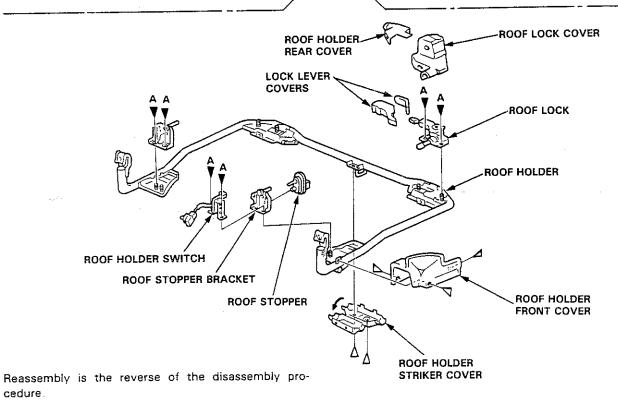
NOTE: Before installing the roof holder to the

body, install the roof to the roof holder Then make sure the roof is locked securely 1. Remove the roof lock from the roof holder.



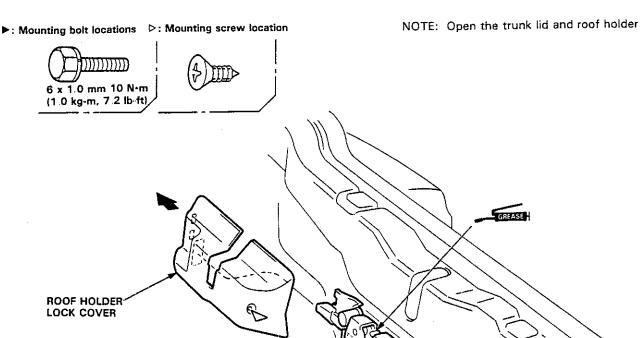
Pivot the lock lever as shown. Remove the screw, then remove the lock lever cover





# **Roof Holder Lock**

# Replacement/Adjustment

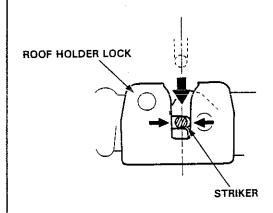


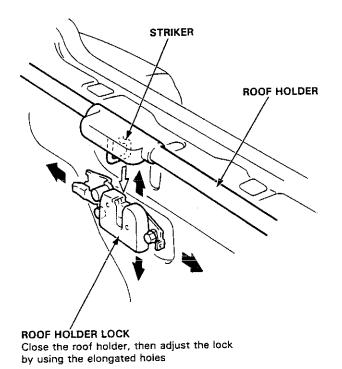
Installation is the reverse of the removal procedure.

NOTE: Before installing the lock cover, adjust the roof holder lock alignment

### ALIGHMENT:

- Move the striker right or left until it's centered in the roof holder lock as shown
- Move the striker up or down to make the roof holder locks securely.





ROOF HOLDER LOCK Remove the lock cover

# Trunk Lid Weatherstrip/Upper Drain Tube

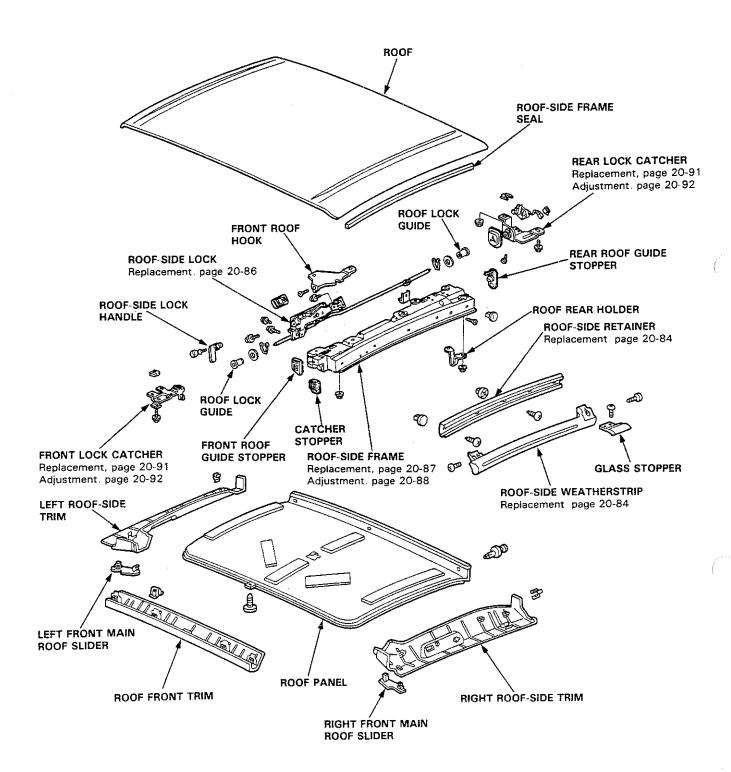


# Replacement NOTE: Open the trunk lid. UPPER DRAIN TUBE **UPPER DRAIN TUBE** NOTE: When installing, pass the tip of the drain tube to the hole on the body NOTE: When installing pass the drain tube certainly to the hole ALIGNMENT MARK LOCATION **UPPER DRAIN TUBE** First remove: Center pillar trim panel (page 20-64) Trunk side panel (page 20-40) UPPER DRAIN TUBE TRUNK LID WEATHERSHIP NOTE:

- Before installing the weatherstrip apply clear sealant to the — locations as shown.
- Align the weatherstrip with the mark to the center of opening trunk then glue the weatherstrip

Installation is the reverse of the removal procedure

- When installing, make sure there are no wrinkles in the weatherstrip.
- Make sure the drain tube is routed properly.
- After installing close the trunk lid, check for water leak





### Roof Panel/Trims Replacement

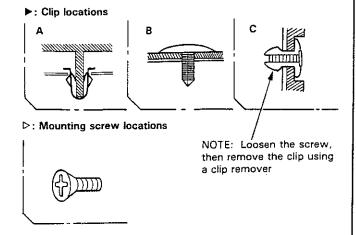
#### CAUTION:

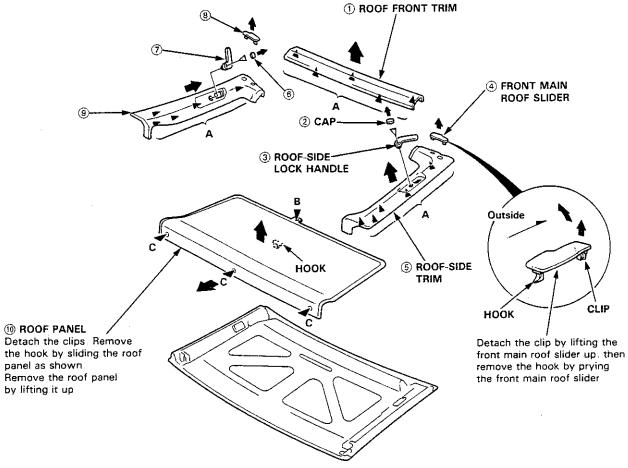
- To prevent damage to the roof, the roof should be placed on a shop towel.
- When prying with a flat tip screwdriver, wrap it with protective tape to prevent damage.

### NOTE:

- Take care not to bend or scratch the panel and trims
- Remove the roof.
- Work with an assistant, when removing the roof

Disassemble in numbered sequence.





Installation is the reverse of the removal procedure

- If necessary, replace any damaged clips
- Make sure the panel and trims are secured properly
- When setting the roof in place on the car, secure the roof by turning each roof-side lock handles. Make sure they are locked securely

### Roof

# Roof-Side Weatherstrip/Retainer Replacement

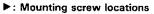
CAUTION: To prevent damage to the roof, the roof should be placed on a shop towel.

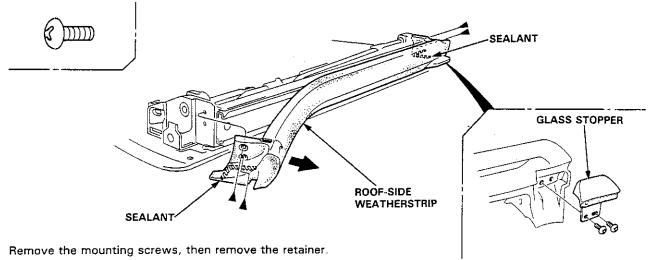
NOTE: Take care not to damage the weatherstrip

1 Remove the roof

NOTE: Work with an assistant, when removing the roof

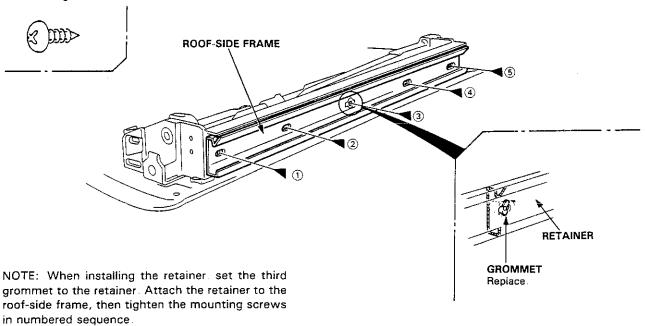
- 2. Remove the roof-side trim (page 20-83).
- 3. Remove the mounting screws, then peel off the weatherstrip





NOTE: Take care not to bend or twist the retainer

### ▶: Mounting screw locations

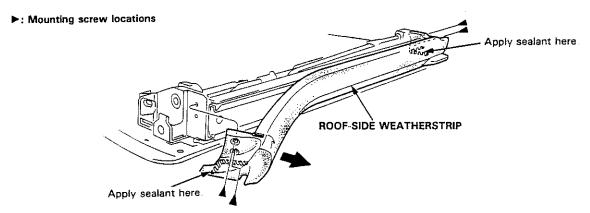




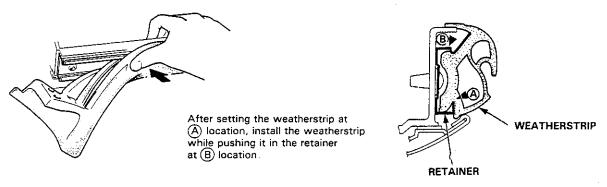
5 Installation is the reverse of the removal procedure.

#### NOTE:

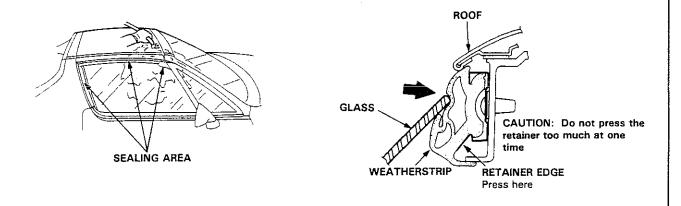
• When installing the weatherstrip, apply clear sealant to the shadowed areas as shown. Glue the weatherstrip with both ends. Make sure there are no twist the weatherstrip



• The weatherstrip should be attached securely as shown. Make sure there are no twist the weatherstrip.



- After installing, install the roof to the body. The roof should be locked securely. With the door door glass and rear window closed fully, check for water and air leaks.
- Spray water over the roof. Do not spray to the sealing area directly and do not use high pressure water.
- Check that no water enters the passenger compartment from the roof.
- If there enters no water from the front pillar but only from the roof-side, repair by pressing against the retainer edge.



### Roof

# **Roof-Side Lock Replacement**

CAUTION: To prevent damage to the roof, the roof should be placed on a shop towel.

#### NOTE:

- · Remove the roof.
- Work with an assistant, when removing the roof.
- Remove the roof panel and trims (page 20-83).

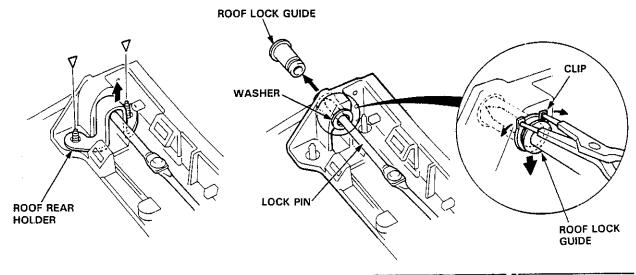
➤: Mounting screw locations

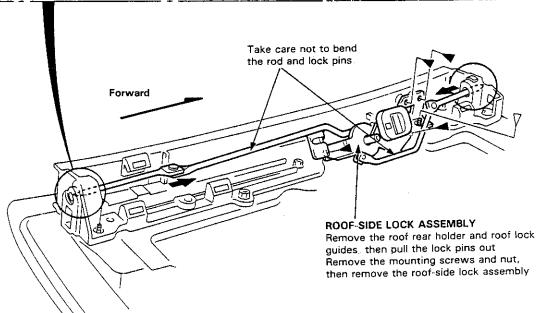


5 x 0 8 mm 5 N·m (0 5 kg·m. 3.6 lb-ft) ▷: Mounting nut locations



6 x 1.0 mm 10 N·m (1 0 kg·m. 7.2 lb-ft)





Installation is the reverse of the removal procedure

- Apply grease to the moving surface.
- Make sure the operating the roof-side lock is smooth.



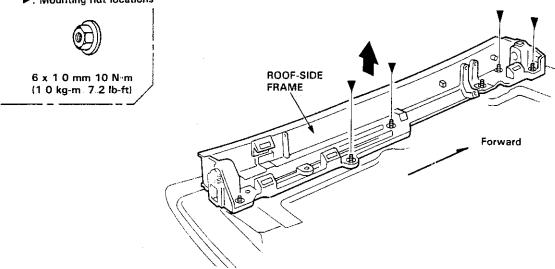
### **Roof-Side Frame Replacement**

CAUTION: To prevent damage to the roof, the roof should be placed on a shop towel.

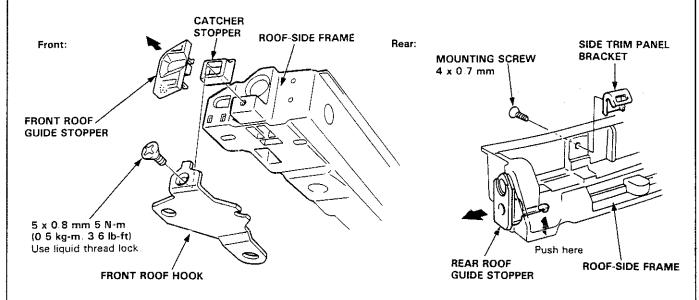
1 Remove the roof

NOTE: Work with an assistant, when removing the roof.

- 2 Remove:
  - Roof panel/trims (page 20-83)
  - Roof-side weatherstrip/retainer (page 20-84)
  - · Roof-side lock assembly
- 3. Remove the mounting nuts, then remove the roof-side frame by lifting it up.
  - ▶: Mounting nut locations



4 If necessary, remove the component parts from the roof-side frame.



5 Installation is the reverse of the removal procedure

NOTE: Before installing the roof-side trim panel, adjust the roof-side frame (page 20-88)

# Roof (Roof-Side Frame) and Lock Catcher Adjustnment

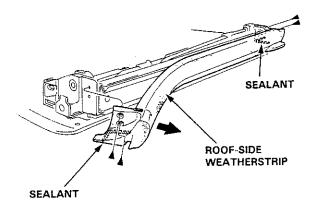
NOTE: This adjustment should be done in following order after removing or replacing the roof-side frame and lock catcher

 Remove each roof-side trims from the roof (page 20-83)

CAUTION: To prevent damage to the roof, the roof should be placed on a shop towel.

 Remove each roof-side weatherstrips.
 Scrape the old sealant smoothly from the weatherstrip and roof. Clean the bonding surface with a sponge dampened in alcohol.

### ▶: Mounting screw locations



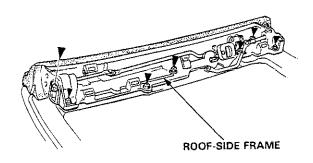
3 Refit the weatherstrips to the roof-side retainers (page 20-84).

NOTE: Make sure there are no twist the weatherstrips

4. Loosen the roof-side frame mounting nuts

NOTE: Tighten the mounting nuts lightly

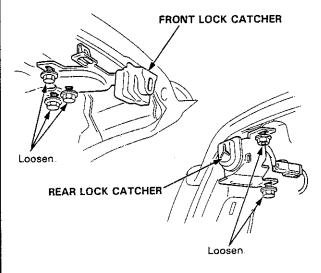
### ▶: Mounting screw locations



Loosen the lock catcher mounting bolts and nut of the four corners

### NOTE:

- Tighten the mounting bolts and nut lightly
- If the lock catchers have not been removed or replaced, there is no need to loosen their mounting bolts and nuts

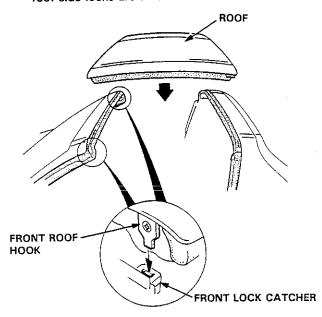


6 Set the roof on the body

### NOTE:

- Work with an assistant, when setting the roof
- Make sure each front roof hooks are set to the front lock catcher properly.
- Install each roof side-lock handles

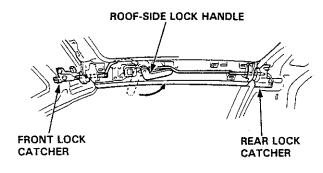
CAUTION: When setting the roof, make sure each roof-side locks are unlocked.





 Secure the roof by turning each roof-side lock handles Make sure they are locked securely.

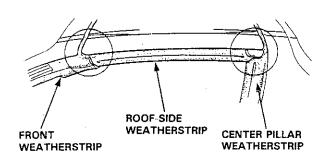
NOTE: Turn each roof-side lock handles until a faint click is heard

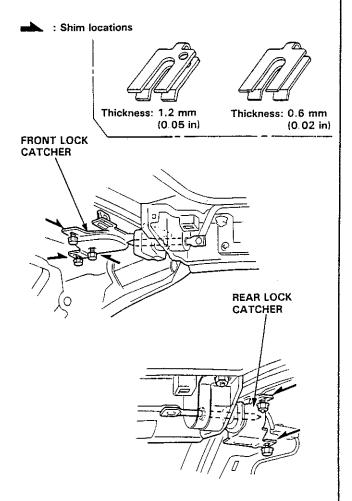


- 8 Tighten the lock catcher mounting bolts and nut of the four corners.
- 9. Check for the height of the roof with the body and check that the weatherstrips fit flush. If necessary, loosen each lock catchers mounting bolts and nut, and adjust the roof and lock catchers right and left by using the elongated holes Use shims as necessary to make the roof fit flush with the body

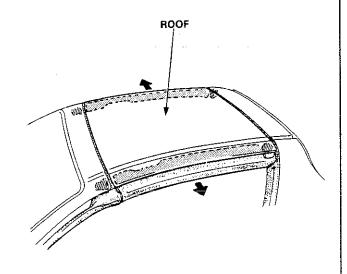
### NOTE:

- The weatherstrips should be fit flush.
- If the lock catcher have not been removed or replaced there is no need to adjust the lock catchers.





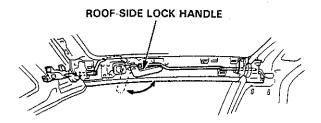
- 10 Tighten the lock catcher mounting bolts and nut.
- 11. Adjust the roof alignment by moving the roof



(cont'd)

# Roof (Roof-Side Frame) and Lock Catcher Adjustment (cont'd)

- 12. Tighten the roof-side frame mounting nuts.
- Check that each roof-side lock handles are turned smoothly.

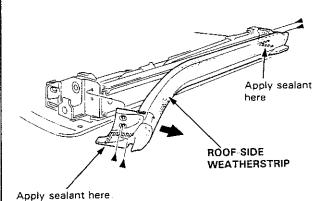


14. Remove the roof, then install each weatherstrips (page 20-85) and roof-side trims (page 20-83).

CAUTION: To prevent damage to the roof, the roof should be placed on a shop towel.

#### NOTE:

- Apply clear sealant to the shadowed area as shown. Glue the weatherstrips with the both ends.
- Make sure there are no twist the weatherstrips
- ▶: Mounting screw locations



15. Set the roof, then secure the roof by turning each roof-side lock handles. Make sure they are locked securely

#### NOTE:

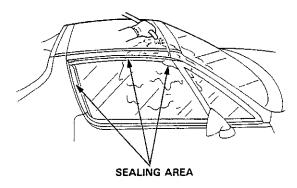
- Work with an assistant, when setting the roof.
- Make sure each front roof hooks are set to the front lock catcher properly

CAUTION: When setting the roof, make sure each roof-side locks are unlocked.

16. After adjusting, with the door, door glass and rear window closed fully, check for water leak.

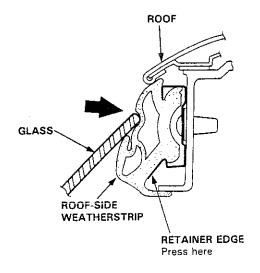
### NOTE:

- Spray water over the roof
- Do not spray to the sealing area directly and do not use high pressure water
- Check that no water enters the passenger compartment from the roof



 If there enters no water from the front pillar but only from the roof-side repair by pressing against the retainer edge.

CAUTION: Do not press the retainer too much at one time.

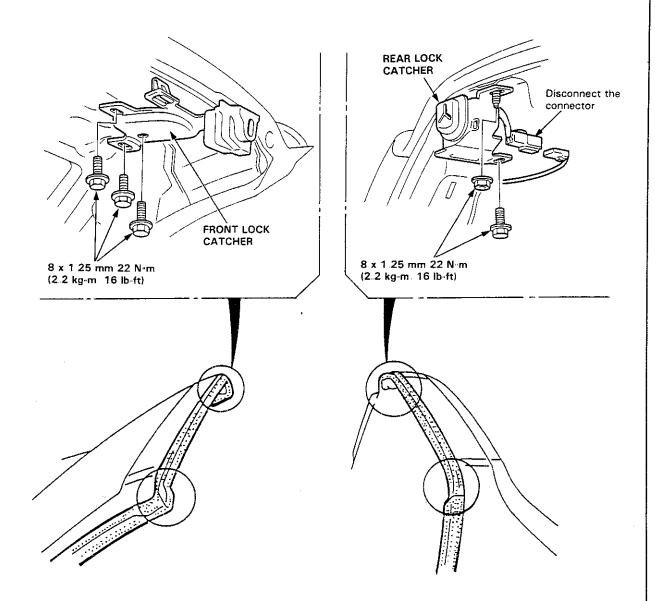




# Lock Catcher Replacement

### NOTE:

- · Remove the roof.
- Work with an assistant, when removing the roof.
- The removed roof is stored in the trunk, then lock the roof on the roof holder securely
- Remove the front roof trim panel, front pillar trims (page 20-35), rear roof trim panel and quarter trim panels (page 20-37)



Installation is the reverse of the removal procedure.

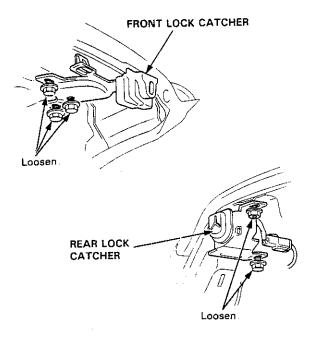
- Make sure the connector is connected properly
- Adjust the lock catchers alignment (page 20-92)

# Lock Catcher Adjustment

#### NOTE:

- This adjustment should be done in following order if the roof-side frame and lock catcher have not been removed or replaced.
- If the roof-side frame has been removed or replaced, refer to page 20-88
- Loosen the lock catcher mounting bolts and nut of the four corners

NOTE: Tighten the mounting bolts and nut lightly

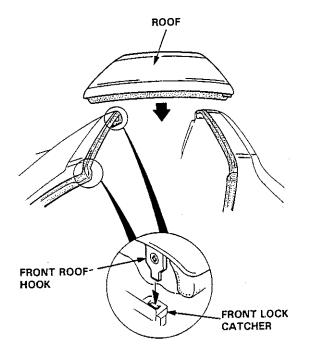


2. Set the roof on the body

#### NOTE:

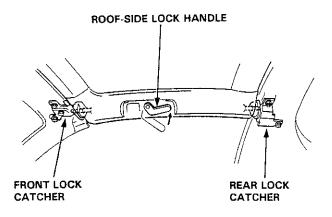
- Work with an assistant, when setting the roof.
- Make sure each front roof hooks are set to the front lock catcher properly

CAUTION: When setting the roof, make sure each roof-side locks are unlocked.



 Secure the roof by turning each roof-side lock handles Make sure they are locked securely.

NOTE: Turn each roof-side lock handles until a faint click is heard.

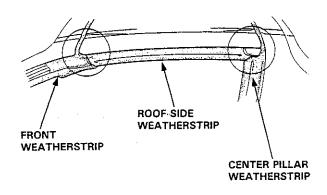


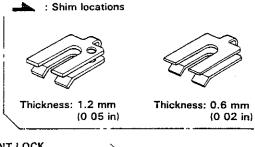
 Tighten the lock catcher mounting bolts and nut of the four corners

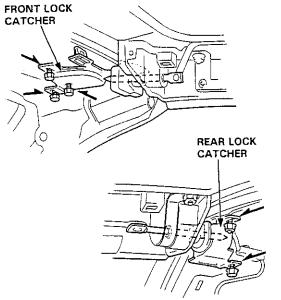


5. Check for the height of the roof with the body and check that the weatherstrips fit flush. If necessary, loosen each lock catchers mounting bolts and nut, and adjust the lock catchers right and left by using the elongated holes Use shims as necessary, to make the roof fit flush with the body

NOTE: The weatherstrip should be fit flush.



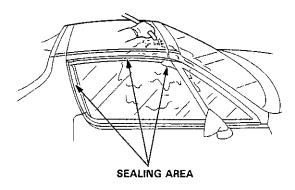




- 6. Tighten the lock catcher mounting bolts and nut.
- Check that each roof-side lock handles are turned smoothly.
- 8 After adjusting, with the door, door glass and rear window closed fully, check for water leak

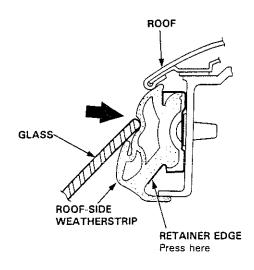
#### NOTE:

- Spray water over the roof.
- Do not spray to the sealing area directly and do not use high pressure water.
- Check that no water enters the passenger compartment from the roof.



 If there enters no water from the front pillar but only from the roof-side, repair by pressing against the retainer edge.

CAUTION: Do not press the retainer too much at one time.



### General Precautions (if power roof maintenance is required)

### **A**WARNING

- Do not operate the power roof in an enclosed area such as in a garage, etc. As the engine must be running to
  operate the roof, a hazardous condition can be created by the exhaust from the engine.
- When working on the inside of the trunk with the trunk lid fully open, take care not to bump your head against
  the roof slider unit.

#### **CAUTION:**

- Do not apply strong force on the edges of the roof opening and on the lifter. Do not force the fully open trunk lid
  down.
- When the roof removed, the roof should be placed on a shop towel to prevent damage to the roof.
- Do not operate the power roof while driving.

- To operate the power roof, check the following before operation.
  - —1. The parking brake is applied.
  - —2 The vehicle is stopped.
  - -3. The rear window is fully closed
  - -4 The engine is running.
- When the trunk lid is opened by the key, the power roof cannot be operated. Mark sure the trunk lid is closed fully and the trunk lid warning light is off before operation.
- When opening the trunk lid, close the rear window fully.
- When setting the roof in place on the car, secure the roof by truning each roof-side lock handles and roof center handle. Make sure they are locked securely
- Do not try to operate the power roof when it is iced by snow or at extreme low temperature.
- Do not operate the wet power roof after rain or snow or cleaning with water
- Do not operate the power roof when the car is raised by using the safety stands.
- Place the vehicle on a firm, level surface when operating the power roof. Do not operate the power roof on a sloping road or in a strong wind
- Work with an assistant, when removing the roof.
   Take care not to damage the roof and body.
- When operating the power roof manually, refer to page 20-244.