

# Windshield

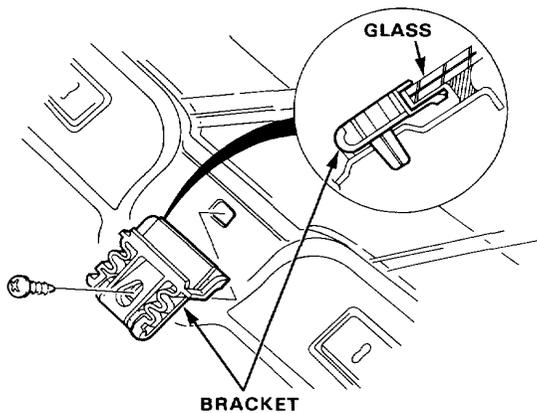


## Removal

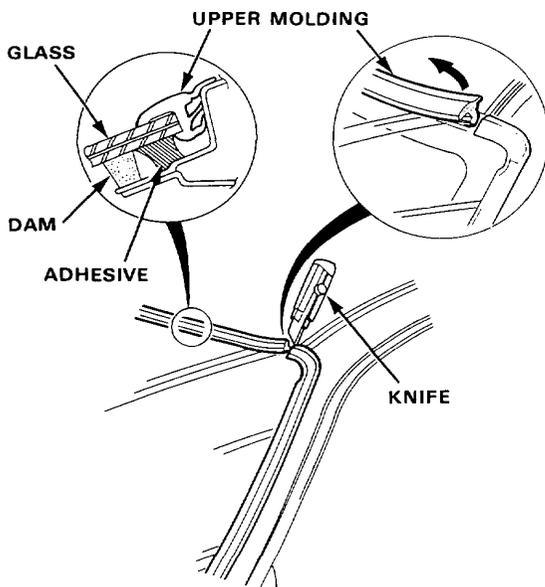
1. To remove the windshield, first remove the:
  - Rearview mirror (page 14-51).
  - Sun visors and holders.
  - Front pillar trim (page 14-44).
  - Front wiper and air scoop.
  - Lower molding.
  - Front of weatherstrip.

NOTE: Do not damage the painted surface.

2. Remove the screws, then remove the right and left glass brackets.

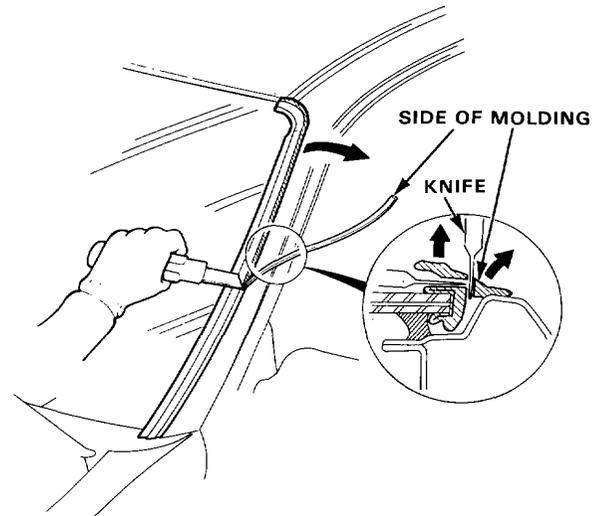


3. Cut the end of the upper molding as shown.



4. Pull away the upper molding.

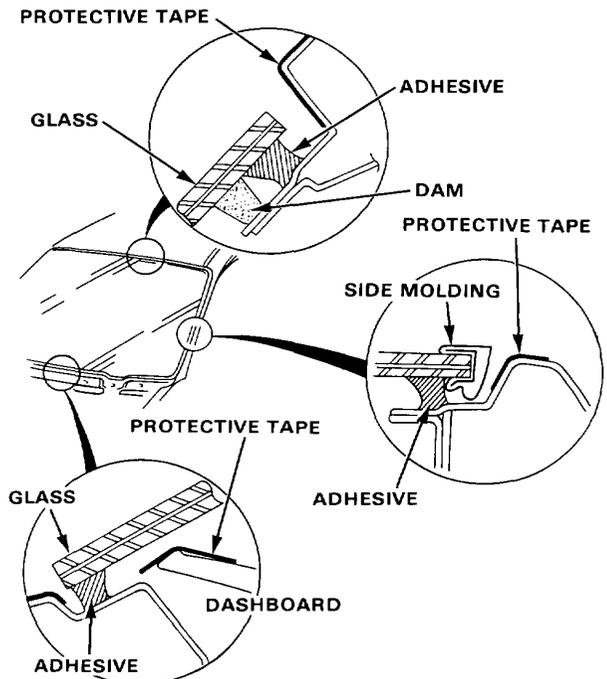
5. Cut the side rubber portion off the molding as shown (Page 14-17).



6. Lower the front of the headliner.

NOTE: Take care not to bend the headliner excessively.

7. Apply protective tape along the edge of the dashboard and body next to the glass as shown.

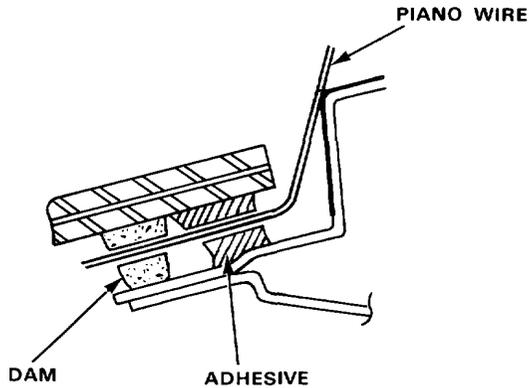


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# Windshield

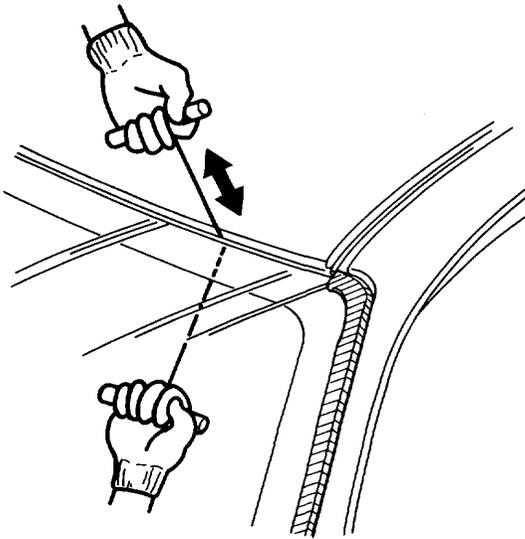
## Removal (cont'd)

- Using an awl, make a hole through the adhesive from inside the car. Push piano wire through the hole and wrap each end around a piece of wood.



- 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 glass.

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



- Remove the side molding from the glass.

## Installation

- 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 glass flange.

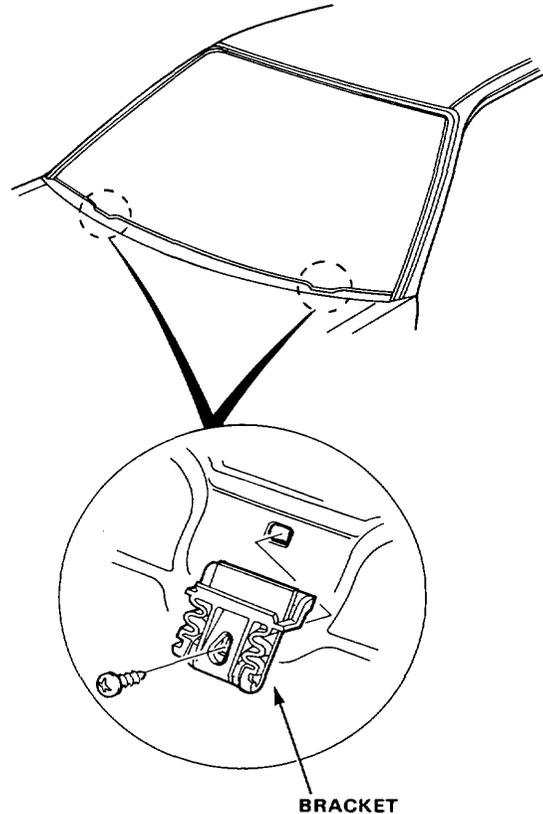
### NOTE:

- 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 applying primer.

- Clean the body bonding surface with a sponge dampened in alcohol.

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

- Install the glass brackets as shown.

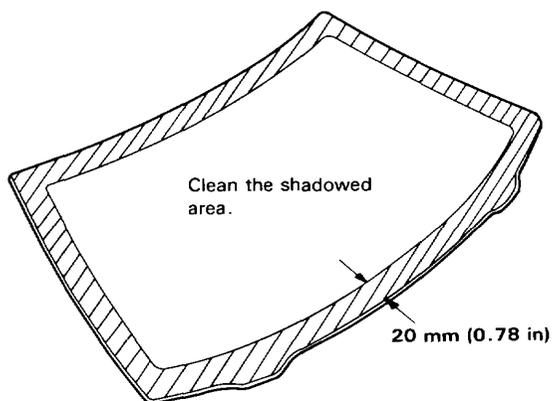




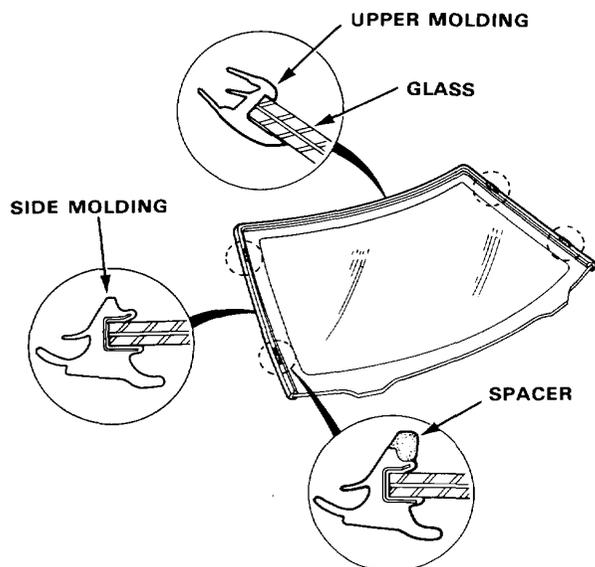
4. If the glass is to be reinstalled, use a putty knife to scrape off all traces of old adhesive, then clean the glass surface with alcohol where new adhesive is to be applied.

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

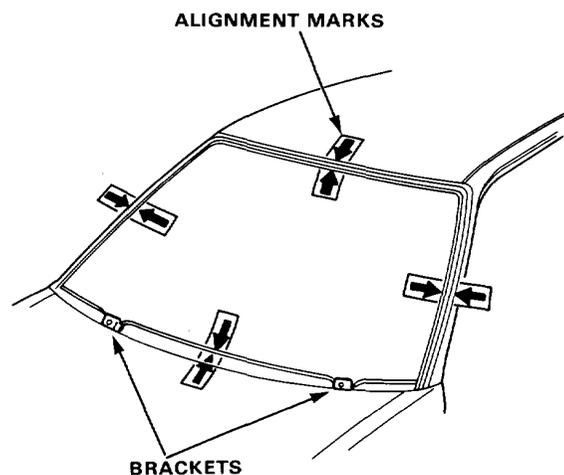
**CAUTION:** Avoid setting the glass on its edges; small chips may later develop into cracks.



5. Apply the windshield moldings to the glass as shown.



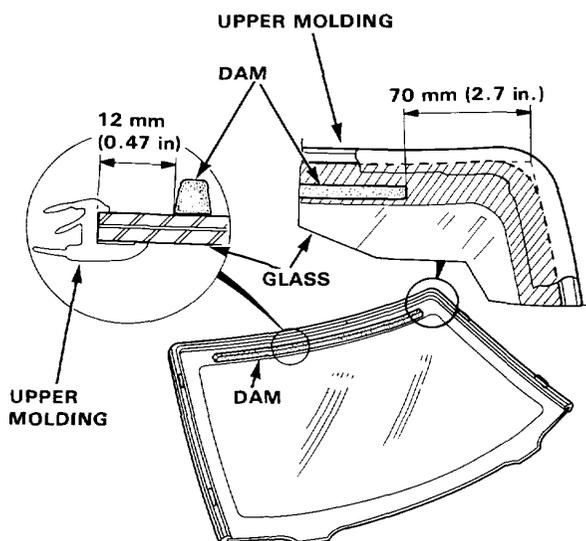
6. Set the glass upright on the spacers, and center it in the opening. Mark the location by marking lines across the glass and body with a grease pencil at the four points shown.



7. Center and glue the rubber dam to the inside face of the glass as shown, to contain the adhesive during installation.

**NOTE:**

- Be careful not to touch the glass where adhesive will be applied.
- Mask off surrounding surfaces before applying primer.



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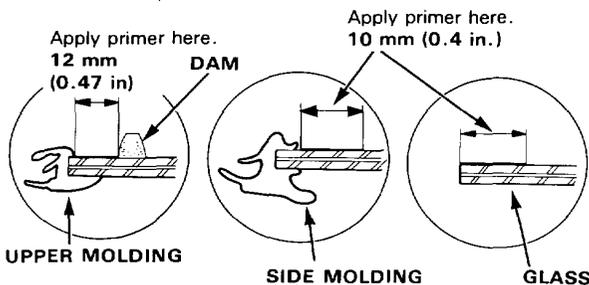
# Windshield

## Installation (cont'd)

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

**NOTE:**

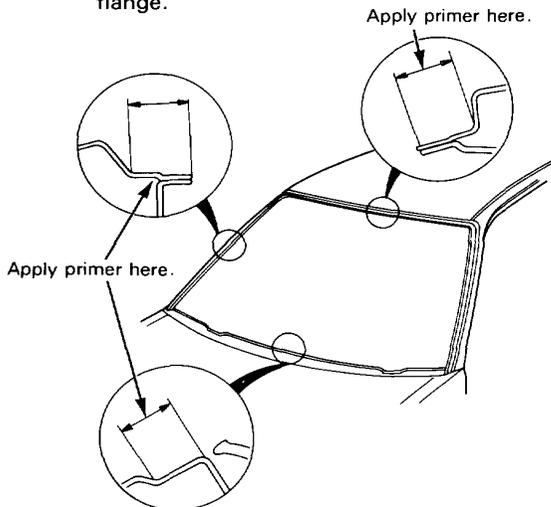
- Do not apply body primer to the glass, and do not get body and glass primer sponges mixed up.
- Never touch the primed surfaces with your hands. If you do, the adhesive may not bond to the glass properly, causing a leak after the glass is installed.
- Keep water, dust, and abrasive materials away from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



9. With a sponge, apply a light coat of body primer to the original adhesive remaining around the window opening flange.

**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.

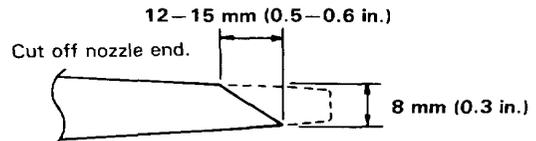


10. Thoroughly mix the adhesive and hardener together on a glass or metal plate.

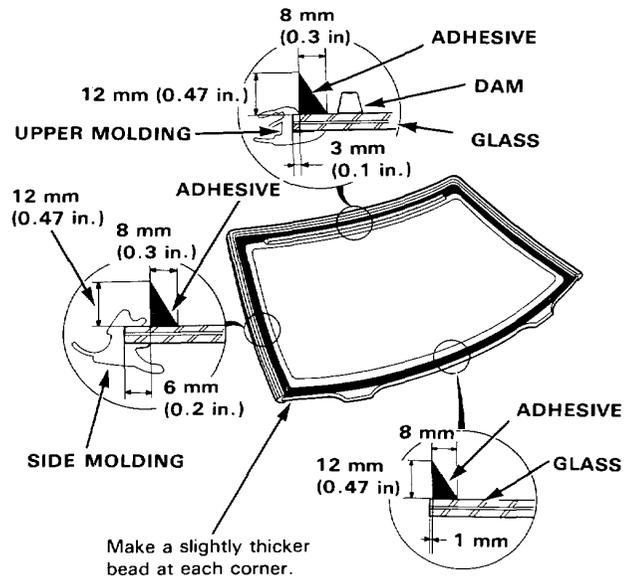
**NOTE:**

- Clean the plate with a sponge and alcohol before mixing.
- Follow the instructions that came 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.

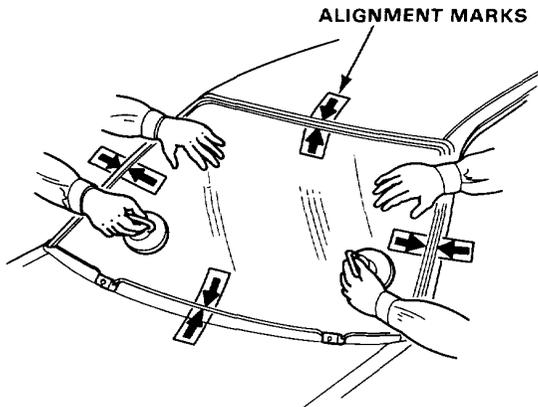


# Windshield Molding



13. Use suction cups to hold the glass over the opening, align it with the marks made in step 6 and set it down on the adhesive. Lightly push on the glass until its edges are fully seated on the adhesive all the way around.

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



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

NOTE: Use a shop towel dampened with alcohol or unleaded gasoline to remove adhesive from a painted surface or glass.

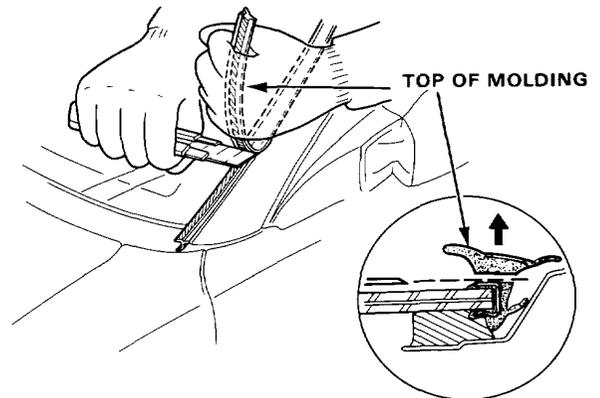
15. After the adhesive is dry, spray water over the glass and check for leaks. Mark leaking areas and let the glass dry, then seal with sealant.

NOTE: 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.

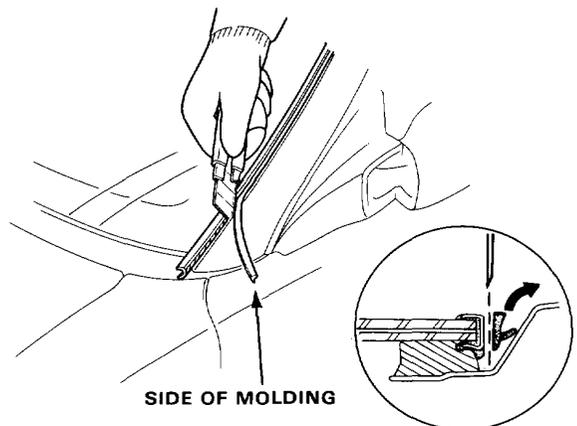
16. Reinstall all remaining removed parts.

## Removal

1. To remove the front windshield molding, first remove the:
  - Front wiper and air scoop
  - Lower molding.NOTE: Do not damage the painted surface during removal procedure.
2. Cut the top rubber portion off the side of molding as shown.



3. Cut the side rubber portion off the molding as shown.



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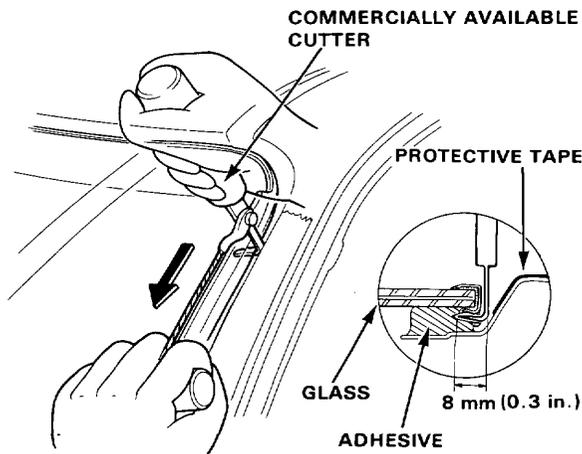
# Windshield Molding

## Removal (cont'd)

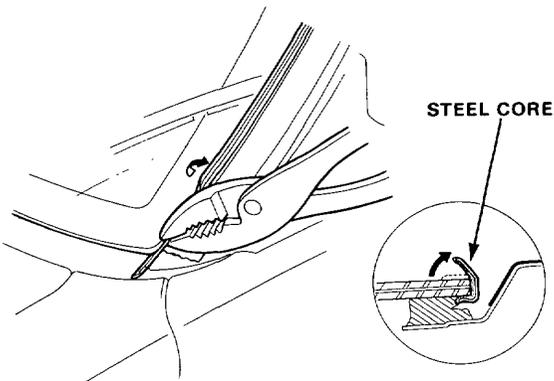
4. Apply protective tape along the edge of the body next to the glass as shown. Cut through the bottom of the side molding as shown. Cut through the adhesive holding the underside of the side moldings.

**NOTE:**

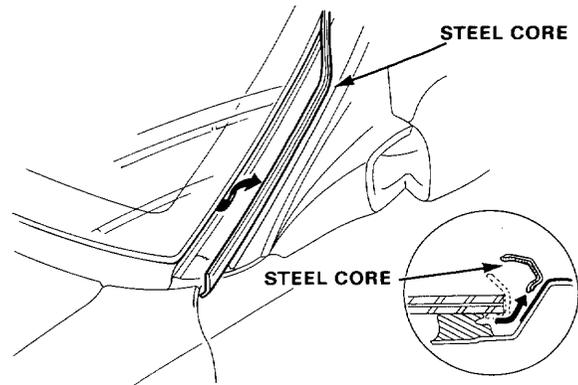
- You will need a commercially available cutter with an L-angled blade having 8 mm of cutting surface, in order to cut only the molding adhesive without cutting the glass adhesive. The blade supplied with some cutters may need to be ground down to 8 mm.
- Windshield moldings can be cut easily with a hot-tip type L-angle bladed cutter.



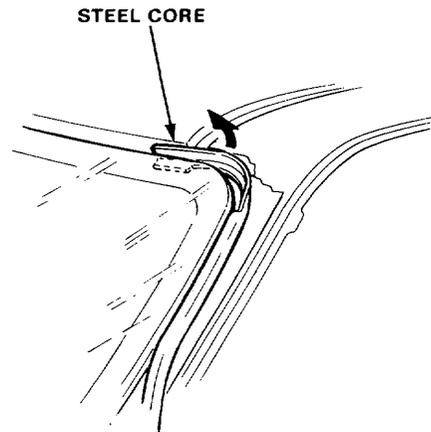
5. Carefully bend up the top side of the steel core as shown.



6. Pull the molding steel core away from the glass.  
**NOTE:** The upper molding can be removed by simply pulling it up.



**CAUTION:** Remove the steel core without damaging the glass.

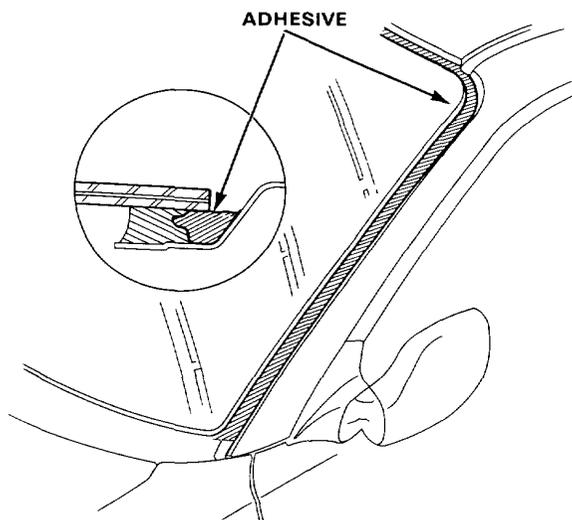




## Installation

NOTE: When only replacing the molding (with the windshield remaining in place) use the replacement molding that has no steel core.

1. Apply adhesive around the glass as shown.



2. Install the coreless molding, starting at the upper corners then smoothly pushing the top and side portions into place.

