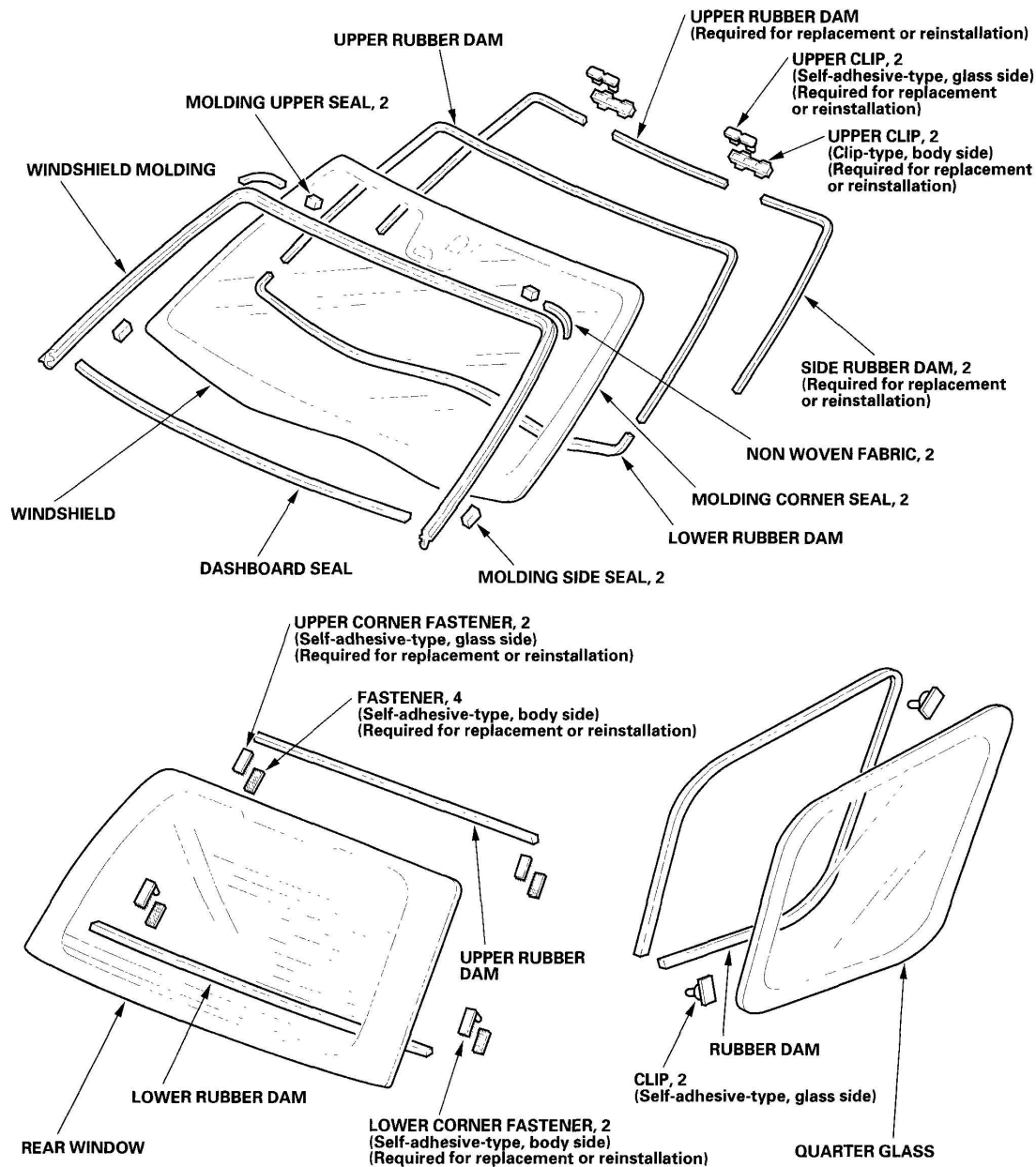


2003-06 ACCESSORIES & EQUIPMENT

Glass - MDX

COMPONENT LOCATION INDEX



G03641540

Fig. 1: Identifying Glass Components Location
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

WINDSHIELD REPLACEMENT

NOTE:

- Put on gloves to protect your hands.
- Wear eye protection while cutting the glass adhesive with piano wire.
- Cover interior surfaces to avoid damaging them.

1. Remove these items:

- Automatic dimming rearview mirror (see **AUTOMATIC DIMMING REARVIEW MIRROR REPLACEMENT**)
- Rain sensor, for some models (see **CONTROL UNIT INPUT TEST**)
- A-pillar trim, '03 model (see **A-PILLAR - '03 MODEL**), '04-06 models (see **A-PILLAR - '04-06 MODELS**)
- Windshield wiper arms (see **WIPER MOTOR REPLACEMENT**)
- Cowl cover (see **COWL COVER REPLACEMENT**)

2. Remove the molding (A) from the edge of the windshield (B). If necessary, cut the molding with a utility knife.

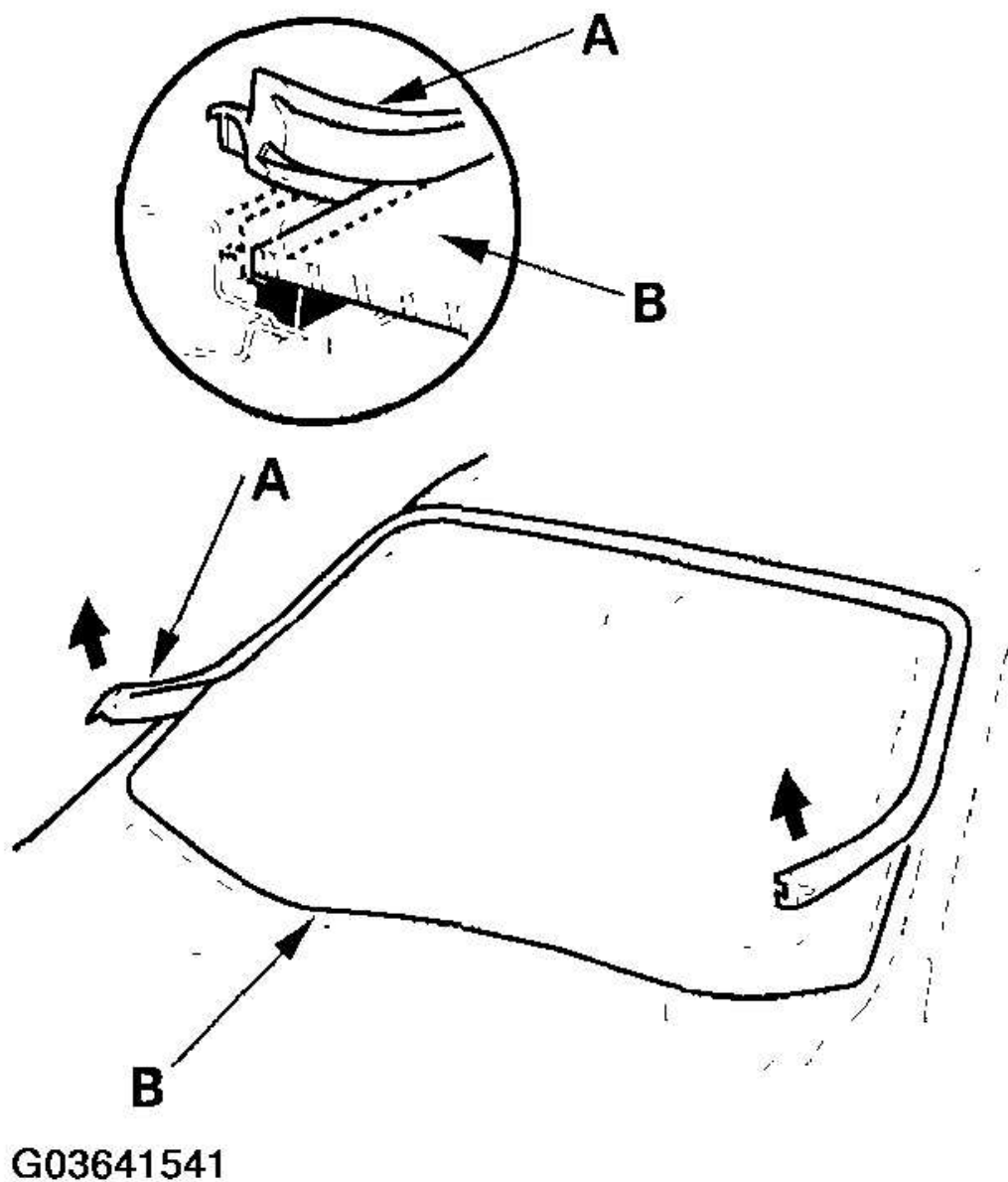
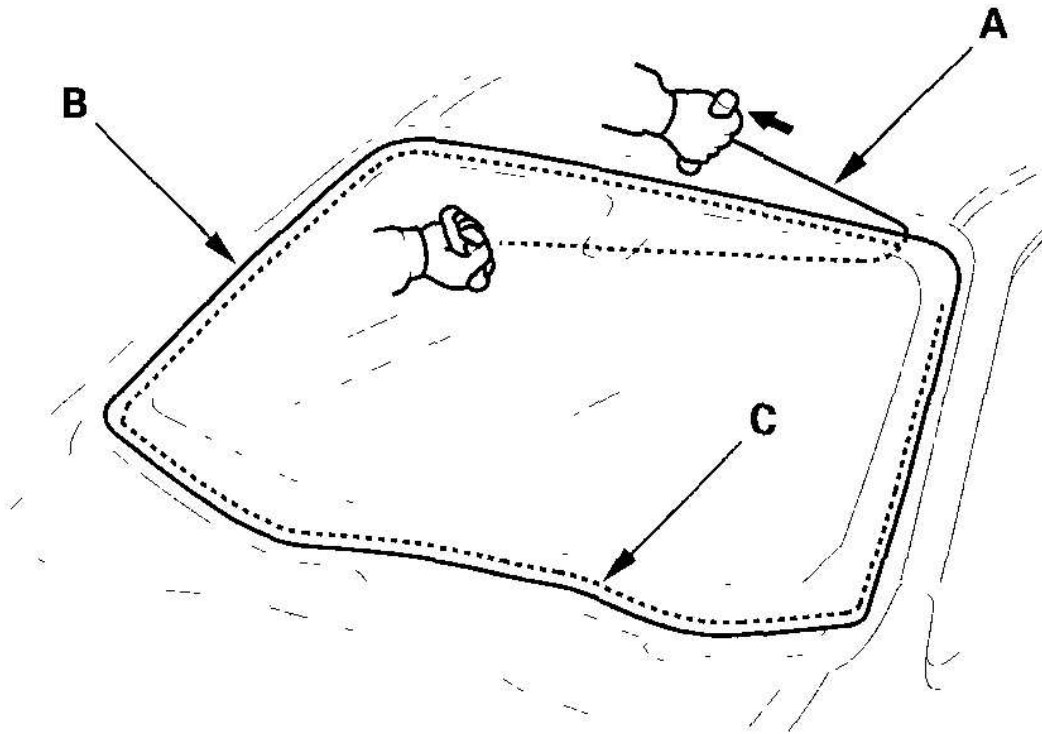


Fig. 2: Removing Molding From Edge Of Windshield
Courtesy of AMERICAN HONDA MOTOR CO., INC.

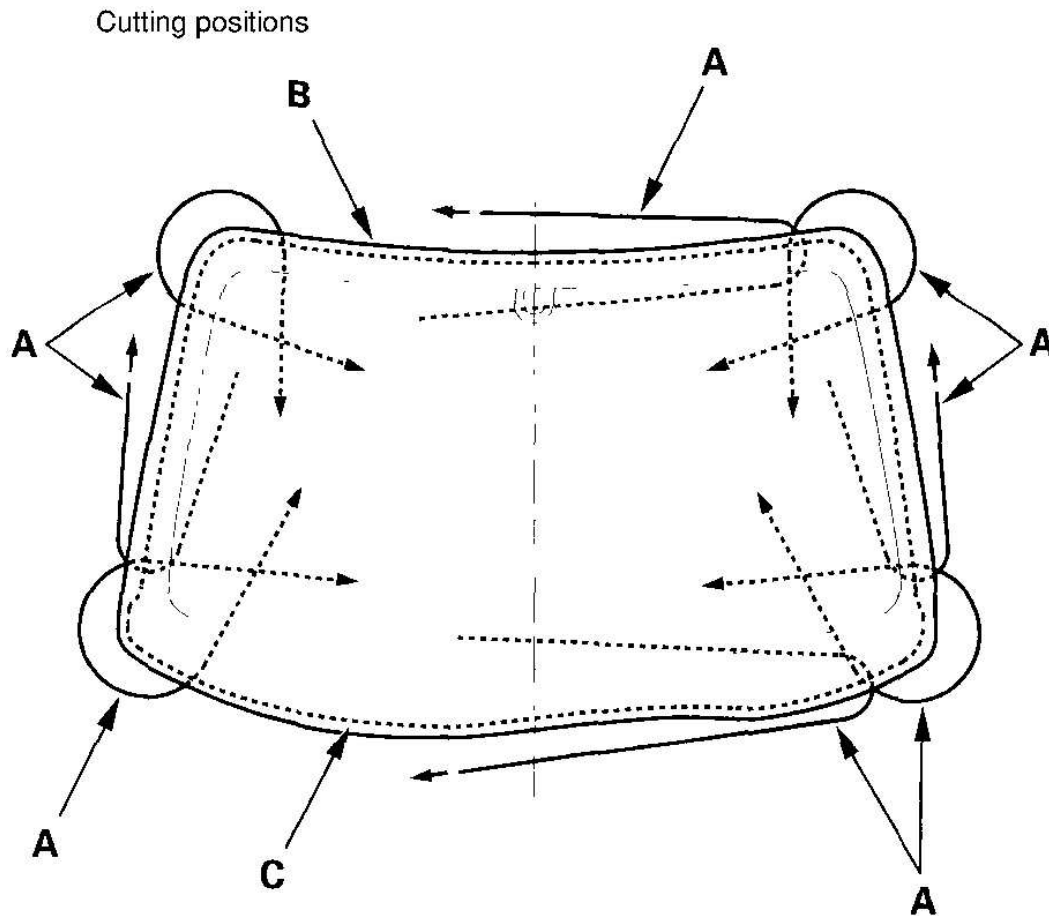
3. If the old windshield will be reinstalled, make alignment marks across the glass and body with a grease pencil.
4. Pull down the front portion of the headliner (see **HEADLINER REMOVAL/INSTALLATION**). Take care not to bend the headliner excessively, or you may crease or break it.

5. Apply protective tape along the edge of the dashboard and body. Using an awl, make a hole through the rubber dam, adhesive, and dashboard seal from inside the vehicle at the corner portion of the glass. Push a piece of piano wire through the hole, and wrap each end around a piece of wood.
6. With a helper on the outside, pull the piano wire (A) back and forth in a sawing motion. Hold the piano wire as close to the windshield (B) as possible to prevent damage to the body and dashboard. Carefully cut through the rubber dam and adhesive (C) around the entire windshield.



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Fig. 3: Cutting Positions Using Piano Wire (1 Of 2)
Courtesy of AMERICAN HONDA MOTOR CO., INC.



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Fig. 4: Cutting Positions Using Piano Wire (2 Of 2)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

7. Carefully remove the windshield.
8. With a putty knife, scrape the old adhesive until smooth to a thickness of about 2 mm (0.08 in.) on the bonding surface around the entire windshield opening flange:
 - Do not scrape down to the painted surface of the body; damaged paint will interfere with proper bonding.
 - Remove the rubber dam and fasteners from the body.
9. Clean the body bonding surface with a sponge dampened in alcohol. After cleaning, keep oil, grease and water from getting on the clean surface.
10. If the old windshield will be reinstalled, use a putty knife to scrape off all of the old adhesive, the rubber dam and the dashboard seal from the windshield. Clean the inside face and the edge of the windshield with alcohol where new adhesive is to be applied. Make sure the bonding surface is kept free of water,

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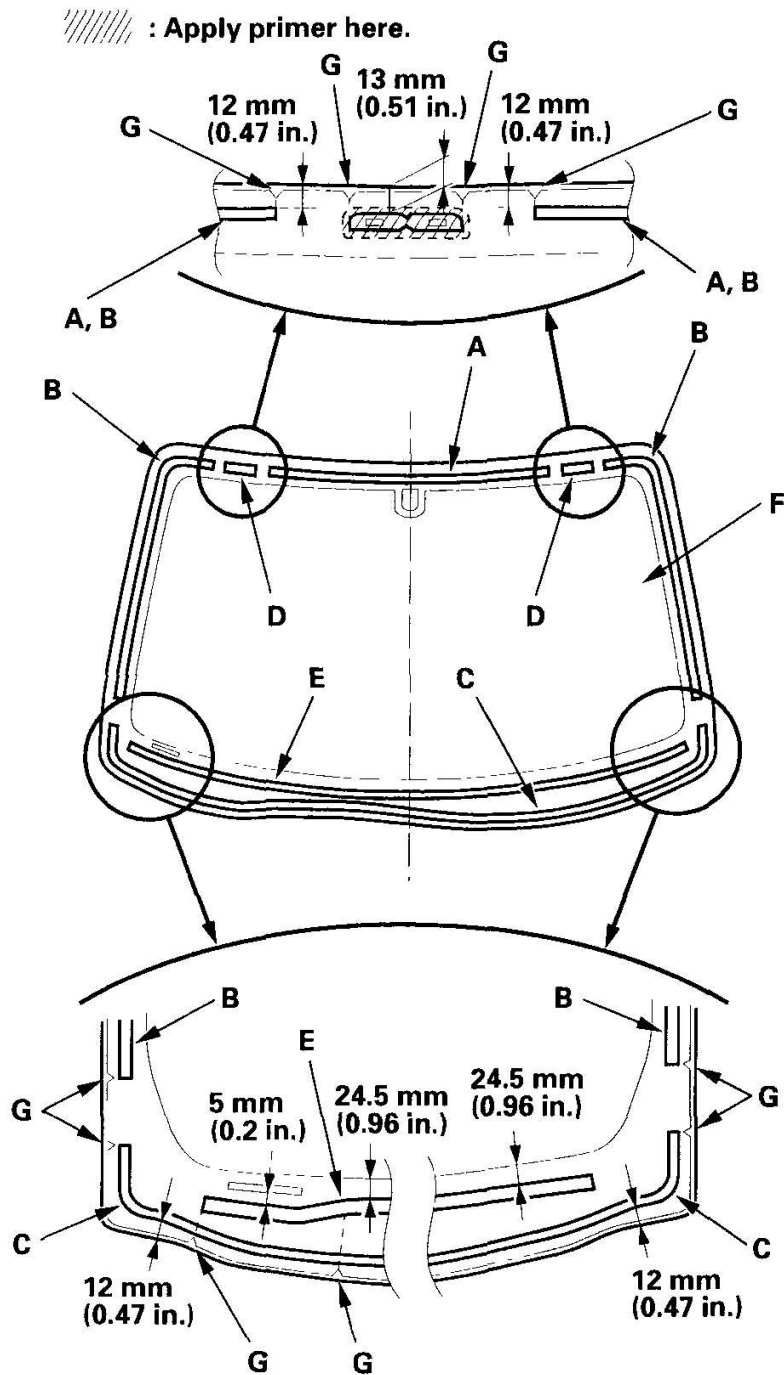
oil, and grease.

11. Attach the upper rubber dam (A), side rubber dam (B), and lower rubber dam (C) with adhesive tape A. Apply primer where the clips (D) are to be applied, then attach the clips with adhesive tape B and dashboard seal (E) to the inside face of the windshield (F) as shown in **Fig. 5** :

- Be sure the side rubber dam, lower rubber dam and dashboard seal line up with the alignment marks (G).
- Be careful not to touch the windshield where adhesive will be applied.

Adhesive tape A: Thickness 0.16 mm (0.006 in.) Width 4 mm (0.16 in.)

Adhesive tape B: Thickness 0.2 mm (0.008 in.) Width 7.5 mm (0.30 in.)



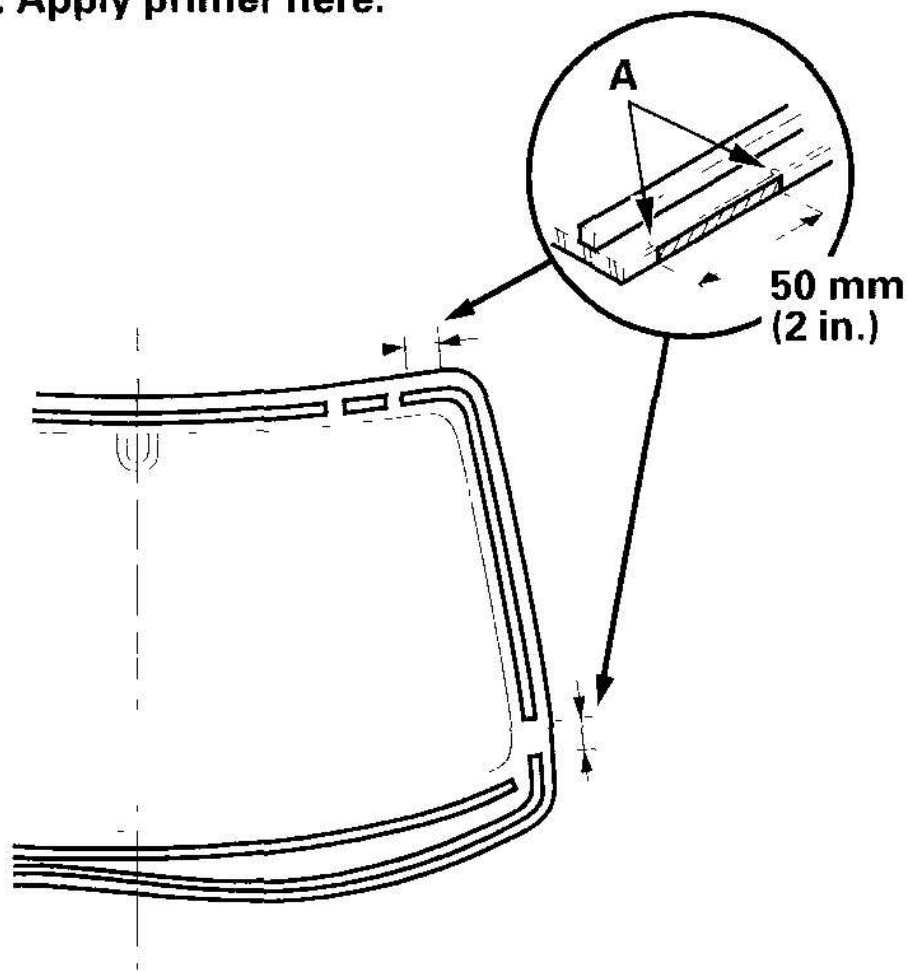
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Fig. 5: Attaching Clips With Adhesive Tape B And Dashboard Seal To Inside Face Of Windshield

Courtesy of AMERICAN HONDA MOTOR CO., INC.

12. Apply primer to the edge of the windshield between the alignment marks (A). Be careful not to touch the windshield where adhesive will be applied.

 : Apply primer here.

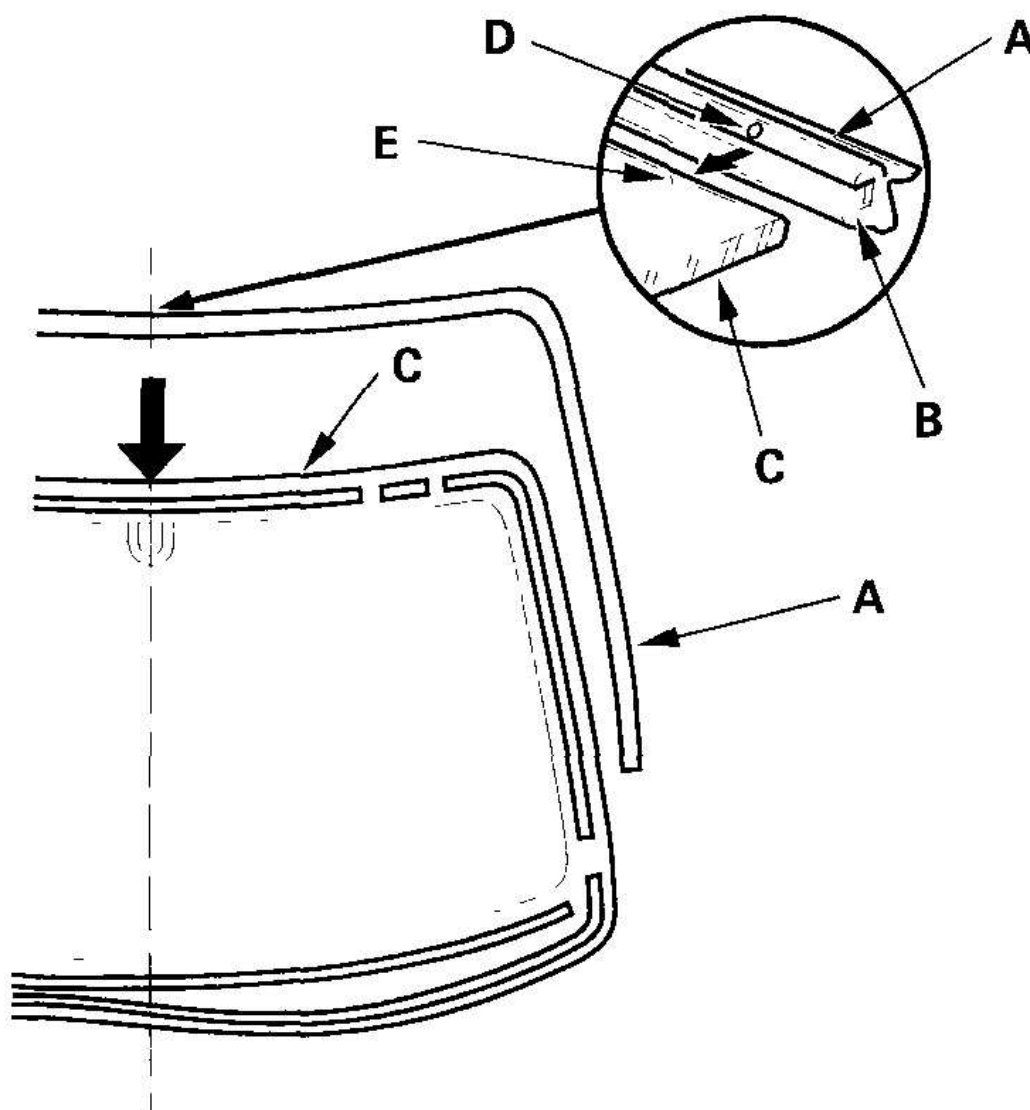


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Fig. 6: Applying Primer To Edge Of Windshield
Courtesy of AMERICAN HONDA MOTOR CO., INC.

13. Attach the molding (A) with adhesive tape A (B) to the edge of the windshield (C):
- Be sure the alignment mark (D) of the molding lines up with the alignment mark (E) of the windshield.
 - Be careful not to touch the windshield where adhesive will be applied.

Adhesive tape A: Thickness 0.8 mm (0.03 in.) Width 4 mm (0.16 in.)

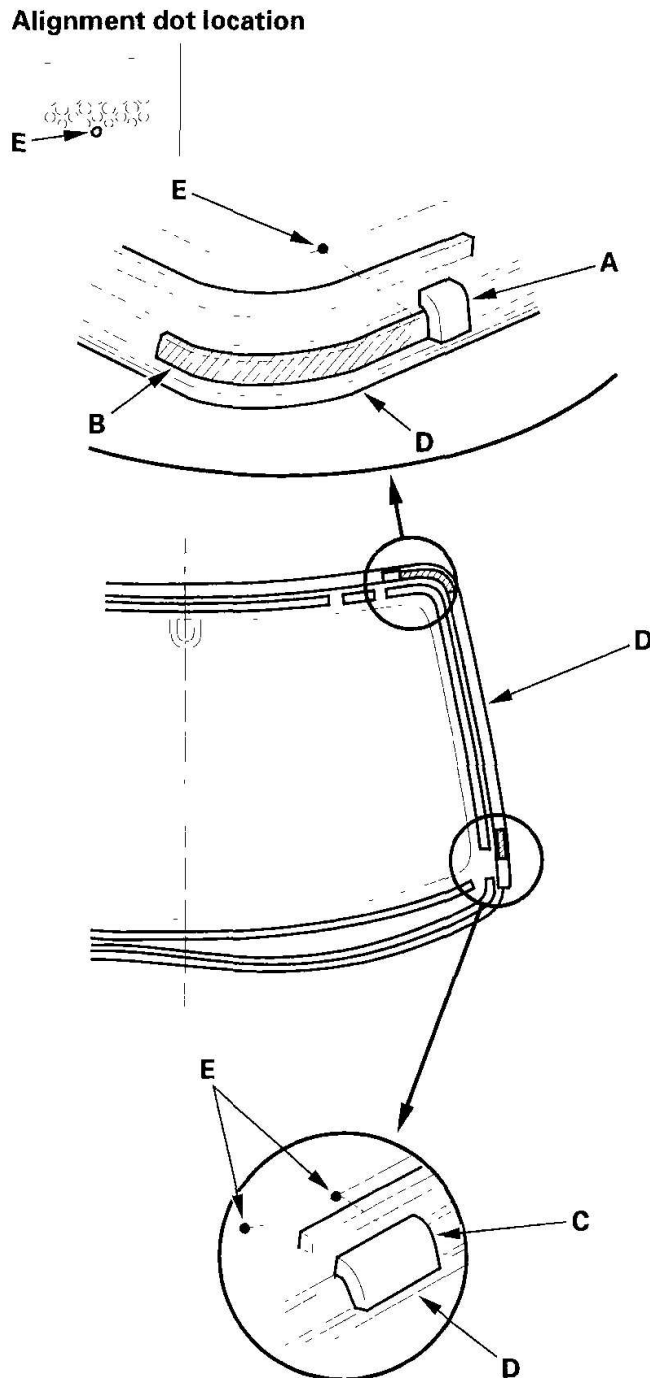


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Fig. 7: Attaching Molding With Adhesive Tape A To Edge Of Windshield
Courtesy of AMERICAN HONDA MOTOR CO., INC.

14. Attach the molding upper seal (A), molding corner seal (B), and molding side seal (C) to the inside surface of the molding (D) as shown in **Fig. 8** :
 - Be sure the molding upper seal and molding side seal line up with the alignment dots (E).

- Be careful not to touch the windshield where adhesive will be applied.



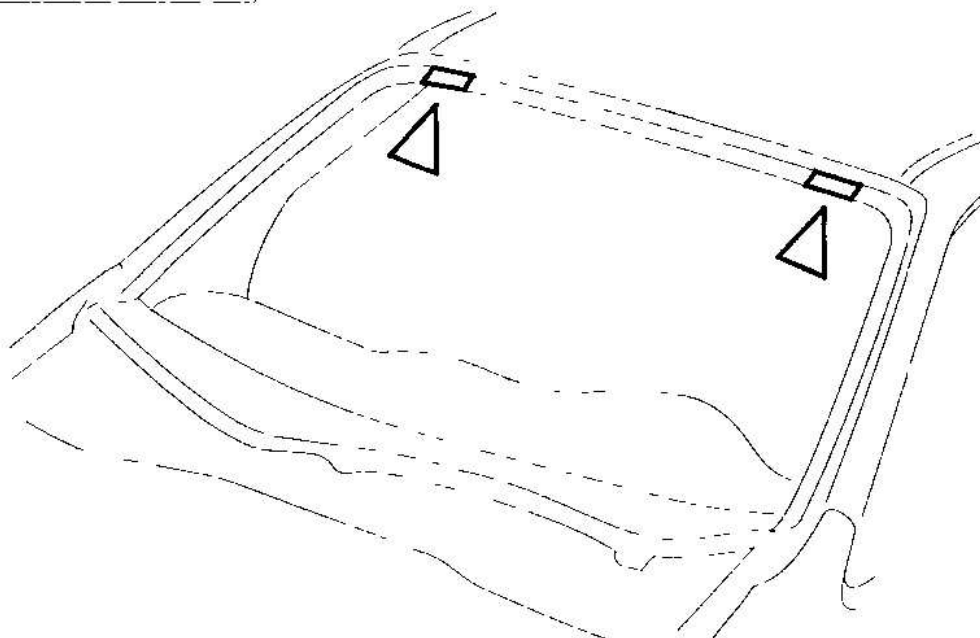
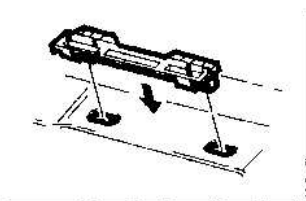
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Fig. 8: Attaching Molding Upper Seal
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

15. Install the clips to the body.

Fastener Locations

▷ : Clip, 2

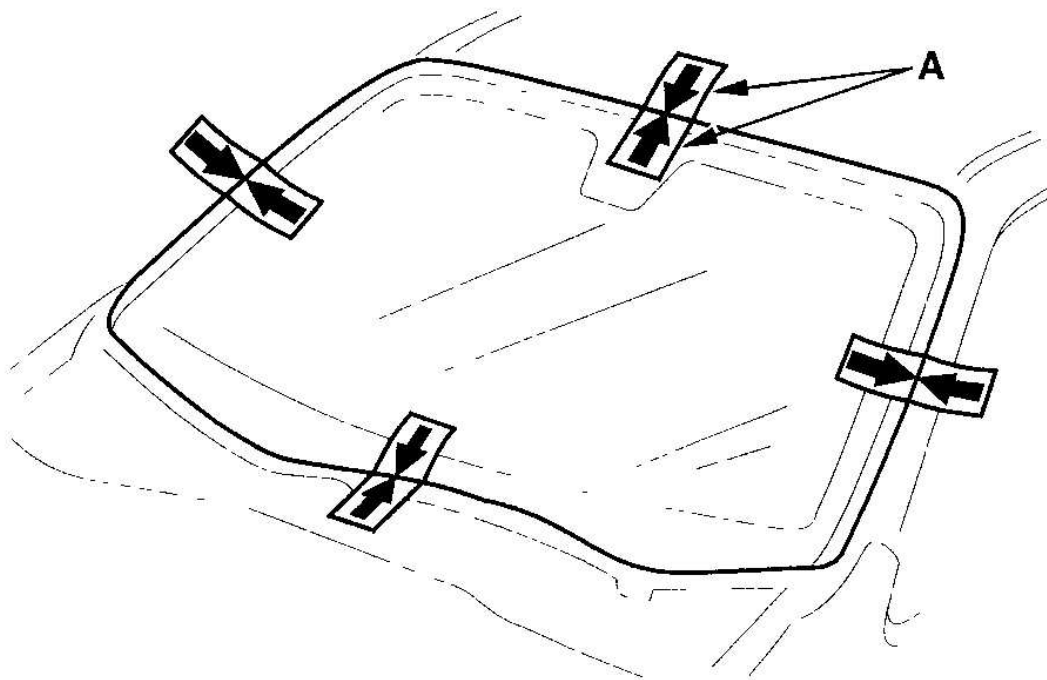


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Fig. 9: Installing Clips To Body

Courtesy of AMERICAN HONDA MOTOR CO., INC.

16. Set the windshield in the opening, and center it. Make alignment marks (A) across the windshield and body with a grease pencil at the four points shown in **Fig. 10** . Be careful not to touch the windshield where adhesive will be applied.



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Fig. 10: Making Alignment Marks Across Windshield And Body
Courtesy of AMERICAN HONDA MOTOR CO., INC.

17. Remove the windshield.
18. With a sponge, apply a light coat of glass primer around the edge of the windshield (A) between the upper rubber dam (B), side rubber dam (C), lower rubber dam (D), and molding (E) as shown in **Fig. 11** , then lightly wipe it off with gauze or cheesecloth:
 - Apply glass primer to the molding.
 - Do not apply body primer to the windshield, and do not get the 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 windshield properly, causing a leak after the windshield is installed.
 - Keep water, dust, and abrasive materials away from the primed surfaces.

 : Apply glass primer here.

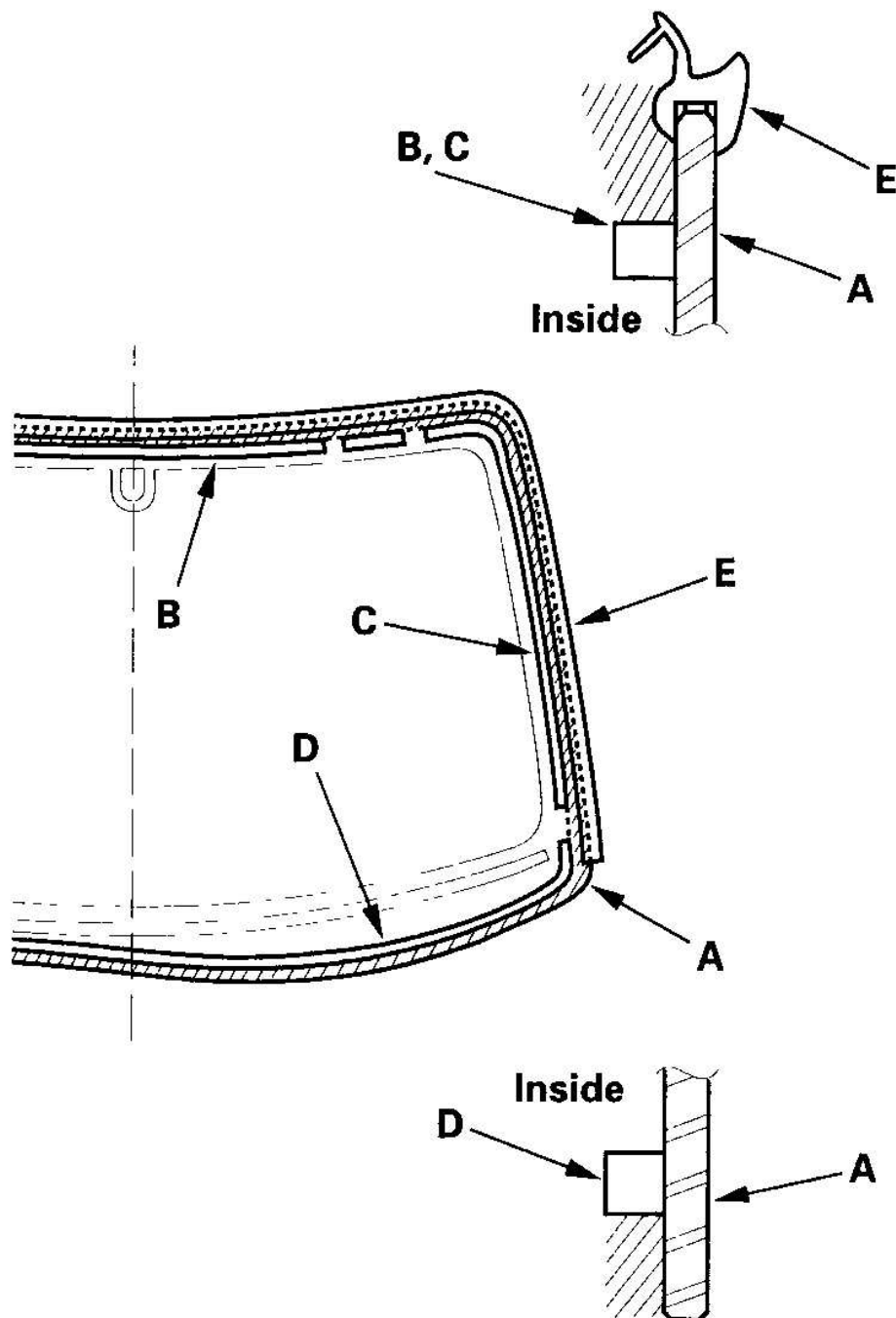
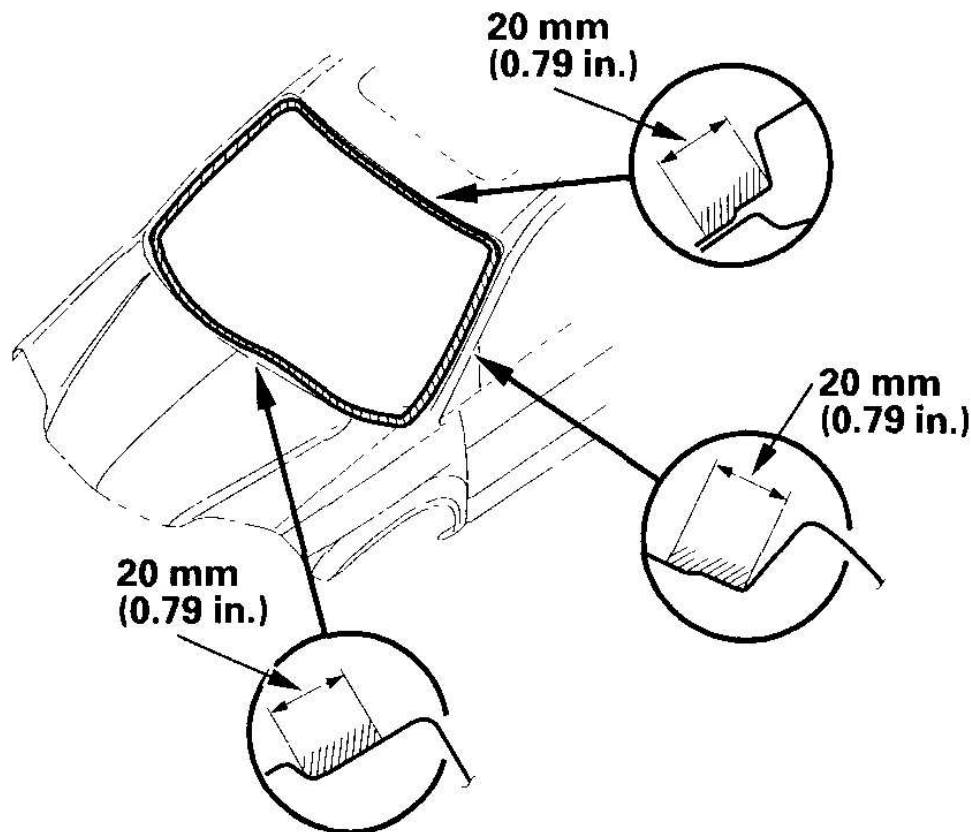


Fig. 11: Applying Glass Primer Around Edge Of Windshield Between Upper Rubber Dam
Courtesy of AMERICAN HONDA MOTOR CO., INC.

19. With a sponge, carefully apply a light coat of body primer to any exposed paint around the flange where new adhesive will be applied. Let the primer dry for at least 10 minutes:
- Do NOT apply body primer to any remaining original adhesive on the flange.
 - Be careful not to mix up the body and glass primer sponges.
 - Never touch the primed surface with your hands.

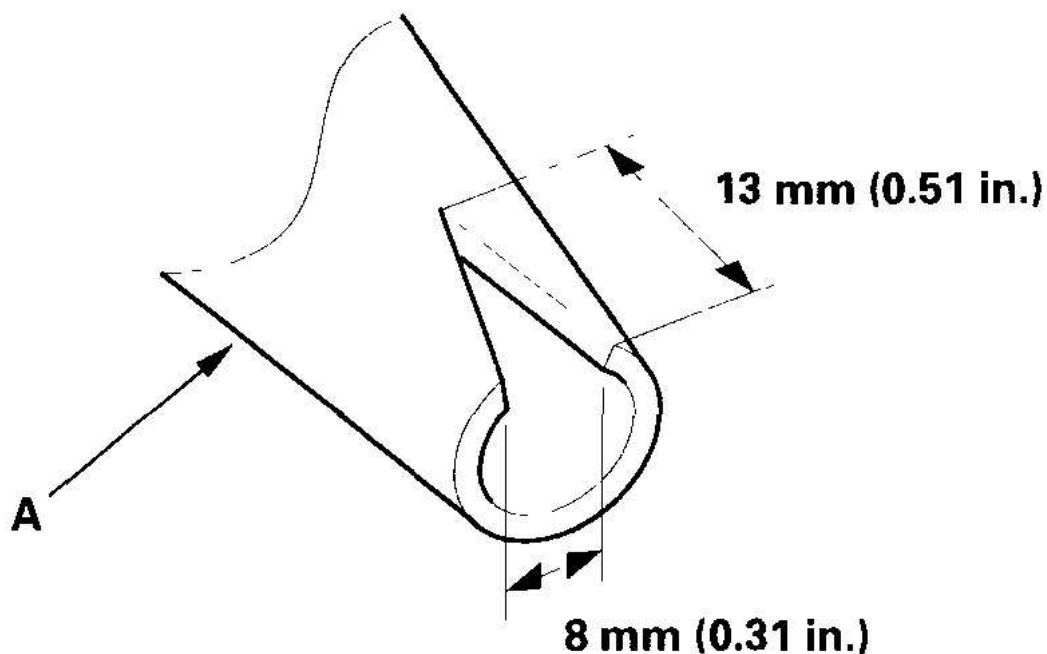
 : Apply body primer to any exposed paint as shown.



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Fig. 12: Applying Light Coat Of Body Primer To Any Exposed Paint
Courtesy of AMERICAN HONDA MOTOR CO., INC.

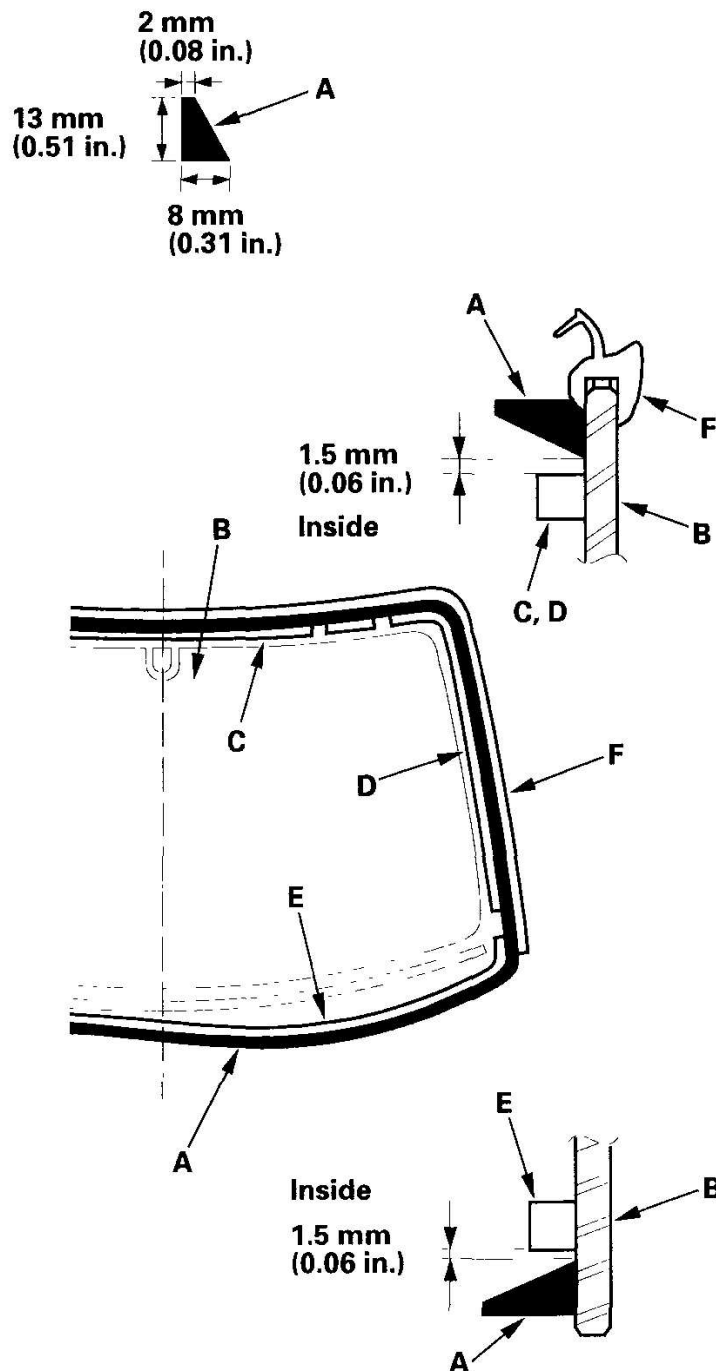
20. Cut a "V" in the end of the nozzle (A) on the adhesive cartridge as shown in **Fig. 13** .



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Fig. 13: Cutting "V" At End Of Nozzle On Adhesive Cartridge
Courtesy of AMERICAN HONDA MOTOR CO., INC.

21. Put the cartridge in a caulking gun, and run a bead of adhesive (A) around the edge of the windshield (B) between the upper rubber dam (C), side rubber dam (D), lower rubber dam (E), and molding (F) as shown in **Fig. 14** . Apply the adhesive within 30 minutes after applying the glass primer. Make a slightly thicker bead at each corner.



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Fig. 14: Running Bead Of Adhesive Around Edge Of Windshield
Courtesy of AMERICAN HONDA MOTOR CO., INC.

22. Use suction cups to hold the windshield over the opening, align it with the alignment marks made in step

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- 16 , and set it down on the adhesive. Lightly push on the windshield until its edges are fully seated on the adhesive all the way around. Do not open or close the doors until the adhesive is dry.
23. Scrape or wipe any excess adhesive off with a putty knife or towel. To remove adhesive from a painted surface or the windshield, wipe with a soft shop towel dampened with alcohol.
 24. Let the adhesive dry for at least 1 hour, then spray water over the windshield and check for leaks. Mark leaking areas, and let the windshield dry, then seal with sealant:
 - Let the vehicle stand for at least 4 hours after windshield installation. If the vehicle has to be used within the first 4 hours, it must be driven slowly.
 - Keep the windshield dry for the first hour after installation.
 25. Reinstall all remaining removed parts. Install the rearview mirror after the adhesive has dried thoroughly.

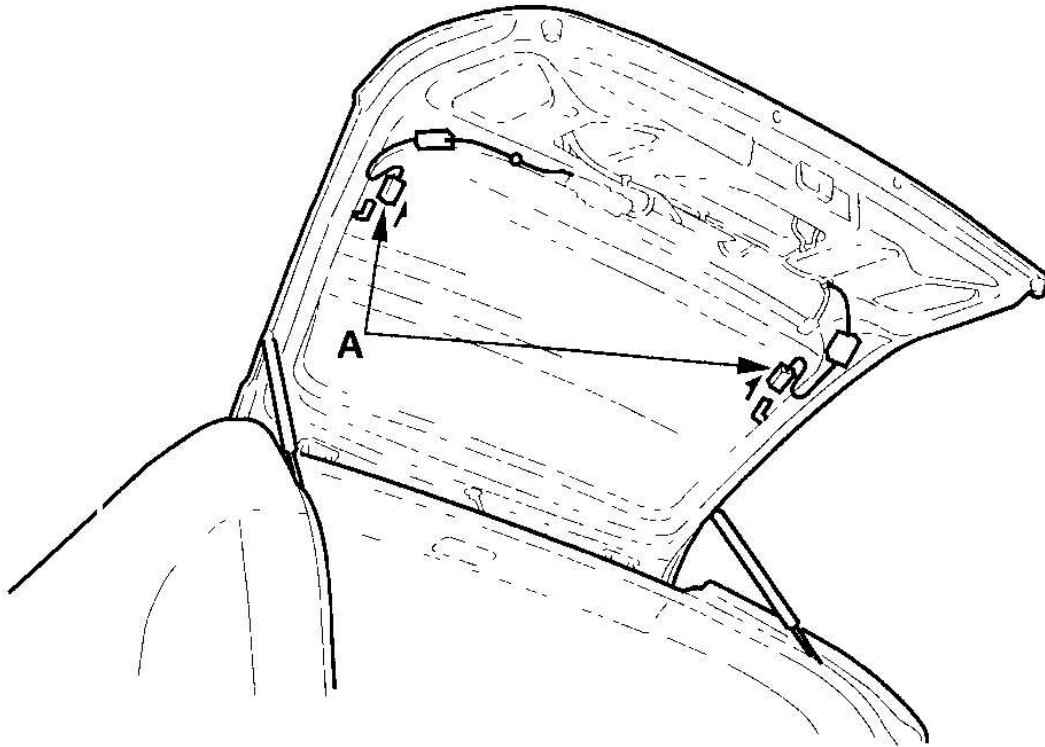
NOTE: Advise the customer not to do the following things for 2 to 3 days:

- Slam the doors with all the windows rolled up.
- Twist the body excessively (such as when going in and out of driveways at an angle or driving over rough, uneven roads).

REAR WINDOW REPLACEMENT

- NOTE:**
- Put on gloves to protect your hands.
 - Wear eye protection while cutting the glass adhesive with piano wire.
 - Cover interior surfaces to avoid damaging them.
 - Do not damage the rear window defogger grid lines and terminals.

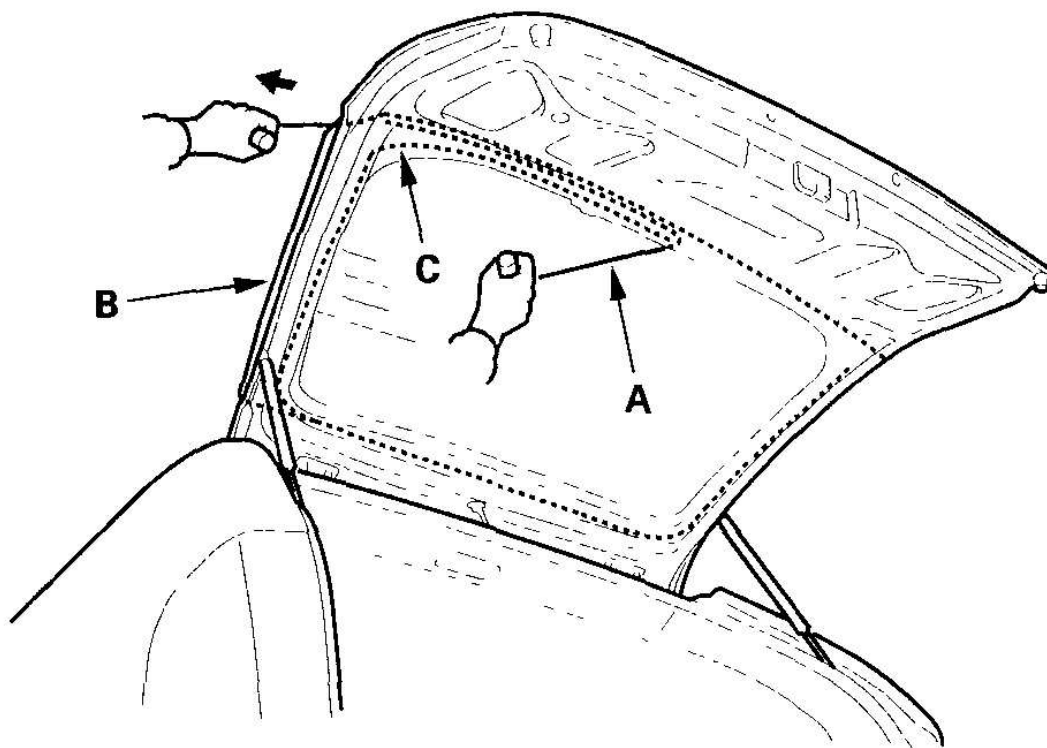
1. Remove these items:
 - Tailgate trim panel (see **TRIM REMOVAL/INSTALLATION - TAILGATE AREA**)
 - Rear window wiper arm (see **REAR WINDOW**)
 - High mount brake light (see **HIGH MOUNT BRAKE LIGHT REPLACEMENT**)
2. Disconnect the rear window defogger connectors (A).



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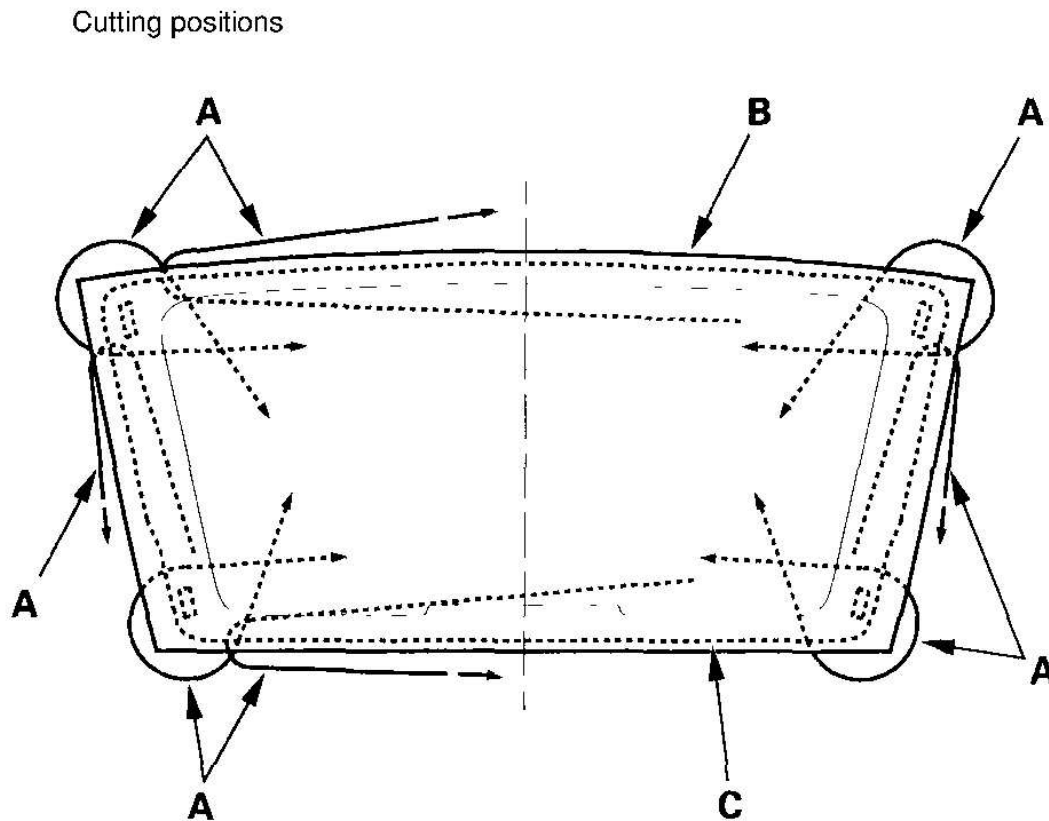
Fig. 15: Disconnecting Rear Window Defogger Connectors
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. If the old rear window will be reinstalled, make alignment marks across the glass and body with a grease pencil.
4. Apply protective tape along the inside and outside edges of the tailgate. Using an awl, make a hole through the adhesive from inside the vehicle at the corner portion of the glass. Push the piano wire through the hole, and wrap each end around a piece of wood.
5. With a helper on the outside, pull the piano wire (A) back and forth in a sawing motion. Hold the piano wire as close to the rear window (B) as possible to prevent damage to the tailgate, and carefully cut through the adhesive (C) around the entire rear window.



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Fig. 16: Cutting Positions Using Piano Wire (1 Of 2)
Courtesy of AMERICAN HONDA MOTOR CO., INC.



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Fig. 17: Cutting Positions Using Piano Wire (2 Of 2)
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

6. Carefully remove the rear window.
7. With a putty knife, scrape the old adhesive until smooth to a thickness of about 2 mm (0.08 in.) on the bonding surface around the entire rear window opening flange:
 - Do not scrape down to the painted surface of the body; damaged paint will interfere with proper bonding.
 - Remove the fasteners from the tailgate.
8. Clean the tailgate bonding surface with a sponge dampened in alcohol. After cleaning, keep oil, grease, and water from getting on the surface.
9. If the old rear window will be reinstalled, use a putty knife to scrape off all of the old adhesive and rubber dam from the rear window. Clean the inside face and the edge of the rear window with alcohol where new adhesive will be applied. Make sure the bonding surface is kept free of water, oil, and grease.
10. Attach the upper corner fasteners (A) with adhesive tape A, and lower corner fasteners (B) with adhesive tape B. Attach the upper rubber dam (C) and lower rubber dam (D) with adhesive tape C to the inside surface of the rear window (E) as shown in **Fig. 18** :

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- Be sure the fasteners and rubber dams line up with alignment marks (F).
- Be careful not to touch the rear window where adhesive will be applied.

Adhesive tape A: Thickness 0.6 mm (0.023 in.) Width 7.5 mm (0.30 in.)

Adhesive tape B: Thickness 0.6 mm (0.023 in.) Width 7.5 mm (0.30 in.)

Adhesive tape C: Thickness 0.16 mm (0.006 in.) Width 3.5 mm (0.14 in.)

Fastener Locations

A ▷ : Fastener, 2 B ▷ : Fastener, 2

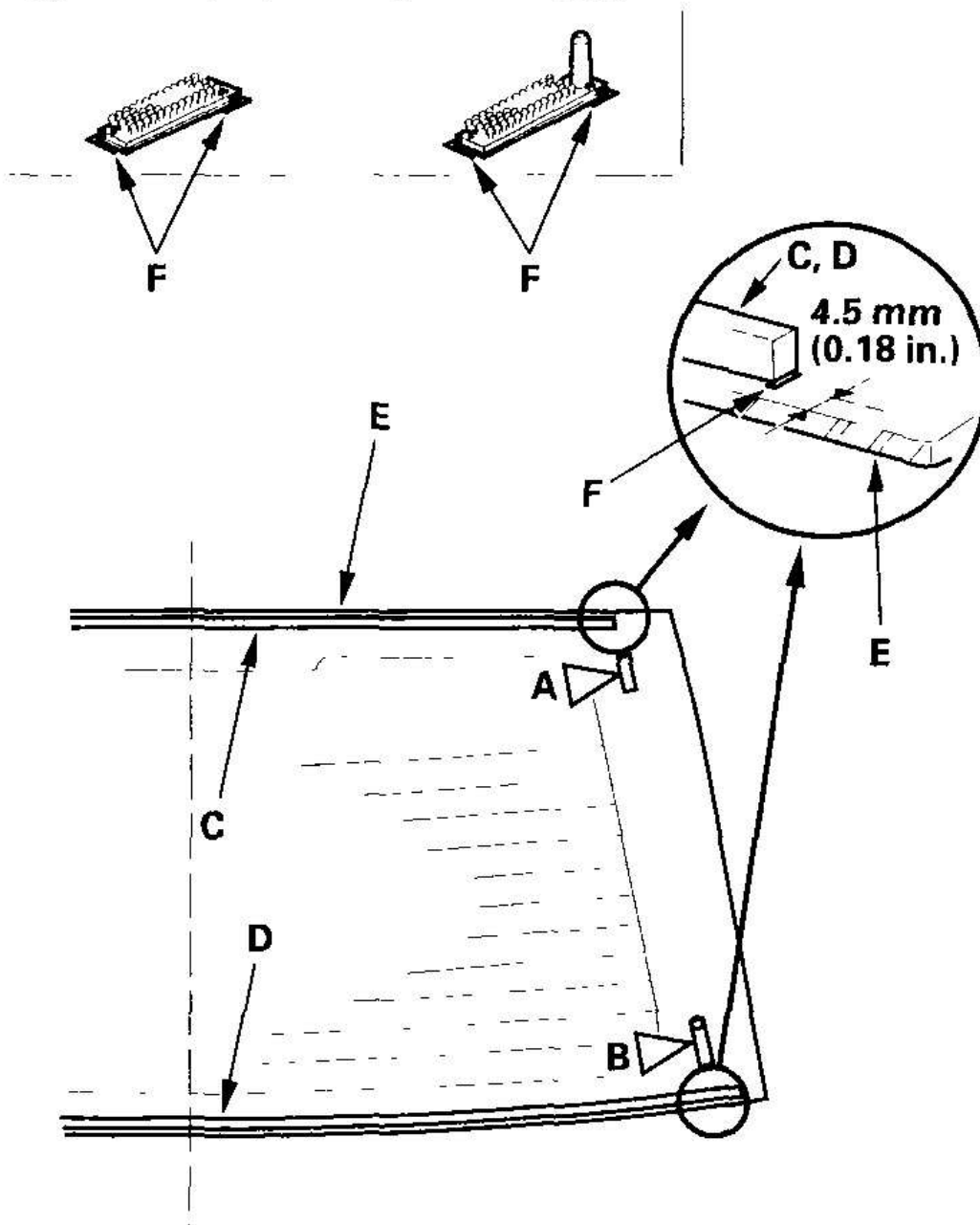


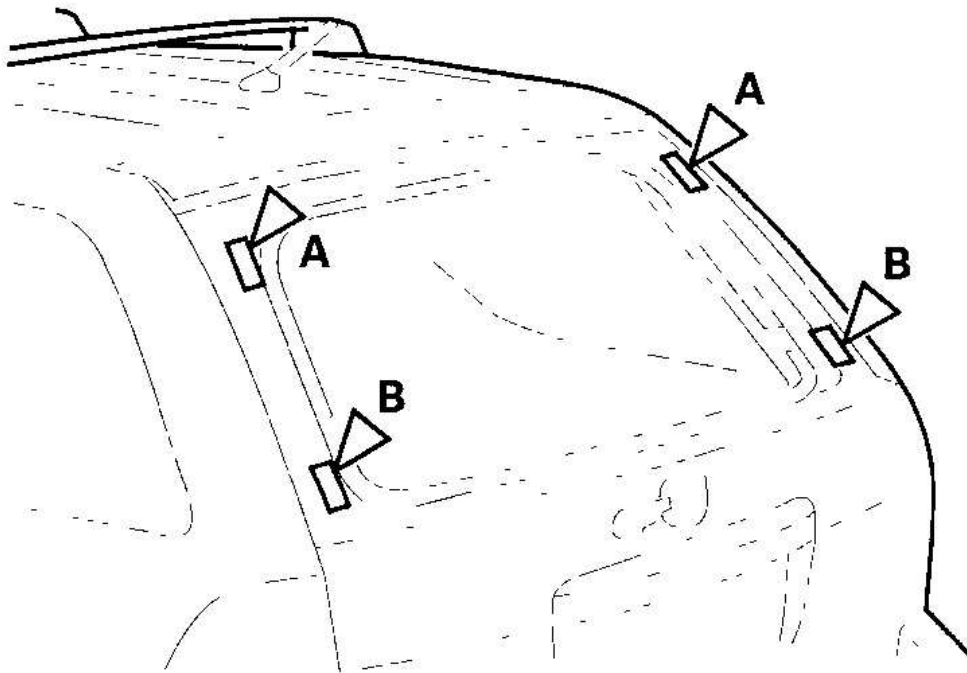
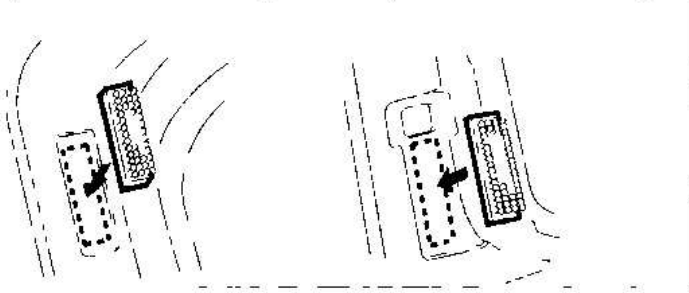
Fig. 18: Attaching Upper Corner Fasteners With Adhesive Tape A
Courtesy of AMERICAN HONDA MOTOR CO., INC.

11. Attach the corner fasteners (A, B) with adhesive tape A to the tailgate as shown in **Fig. 19** .

Adhesive tape A: Thickness 0.6 mm (0.023 in.) Width 9.5 mm (0.37 in.)

Fastener Locations

A▷: Fastener, 2 B▷: Fastener, 2

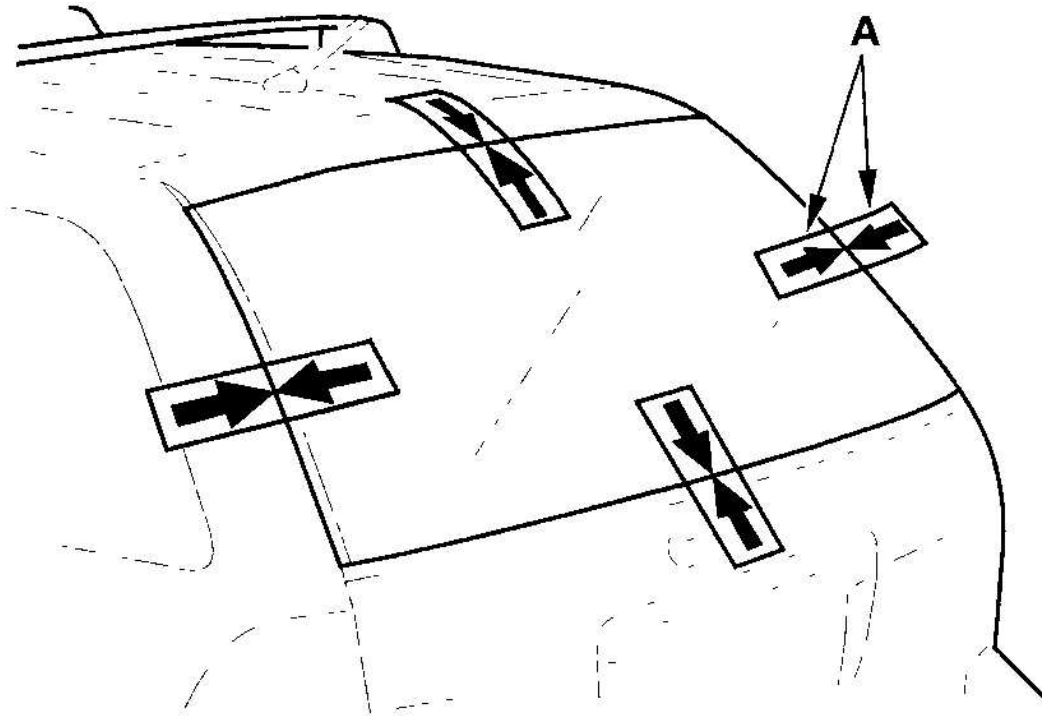


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Fig. 19: Attaching Corner Fasteners With Adhesive Tape A To Tailgate
Courtesy of AMERICAN HONDA MOTOR CO., INC.

12. Set the rear window in the opening, and center it. Make alignment marks (A) across the rear window,

tailgate, and body with a grease pencil at the four points shown in **Fig. 20** . Be careful not to touch the rear window where adhesive will be applied.

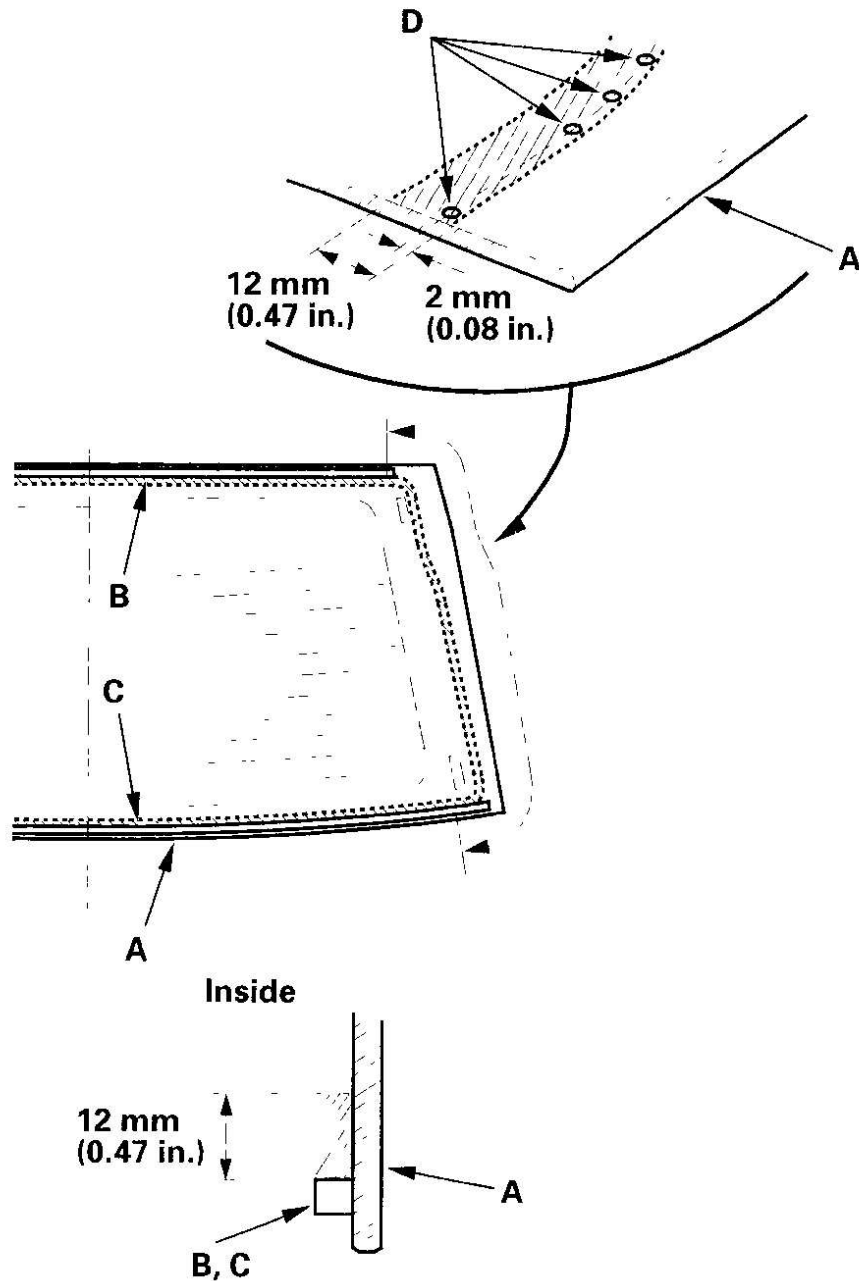


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Fig. 20: Making Alignment Marks Across Rear Window, Tailgate And Body
Courtesy of AMERICAN HONDA MOTOR CO., INC.

13. Remove the rear window.
14. With a sponge, apply a light coat of glass primer to the edge of the rear window (A) along the upper rubber dam (B) and lower rubber dam (C) as shown in **Fig. 21** , then lightly wipe it off with gauze or cheesecloth:
 - With the printed dots (D) on the rear window as a guide, apply the glass primer to both side portions of the rear window.
 - Do not apply body primer to the rear window, and do not get tailgate and glass primer sponges mixed up.
 - Never touch the primed surfaces with your hands. If you do, the adhesive may not bond to the rear window properly, causing a leak after the rear window is installed.
 - Keep water, dust, and abrasive materials away from the primed surfaces.

 : Apply glass primer here.



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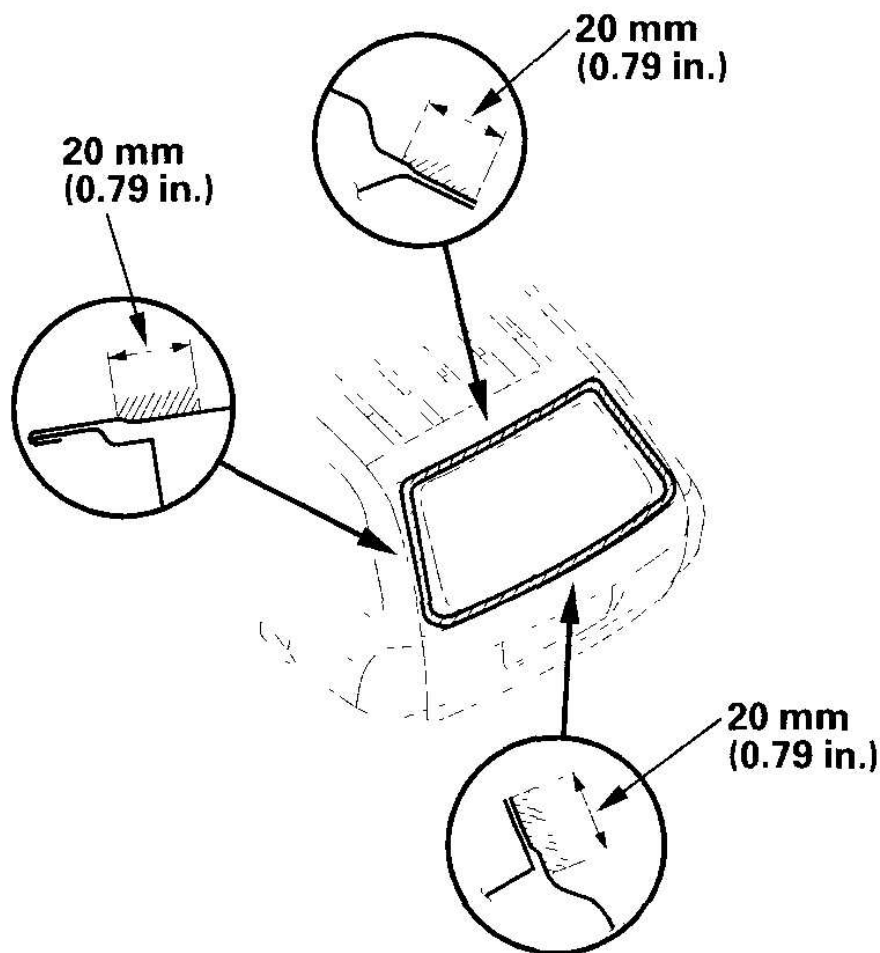
Fig. 21: Applying Light Coat Of Primer To Edge Of Rear Window
Courtesy of AMERICAN HONDA MOTOR CO., INC.

15. With a sponge, carefully apply a light coat of body primer to any exposed paint around the flange where

new adhesive will be applied. Let the primer dry for at least 10 minutes:

- Do NOT apply body primer to any remaining original adhesive on the flange.
- Be careful not to mix up the body and glass primer sponges.
- Never touch the primed surface with your hands.

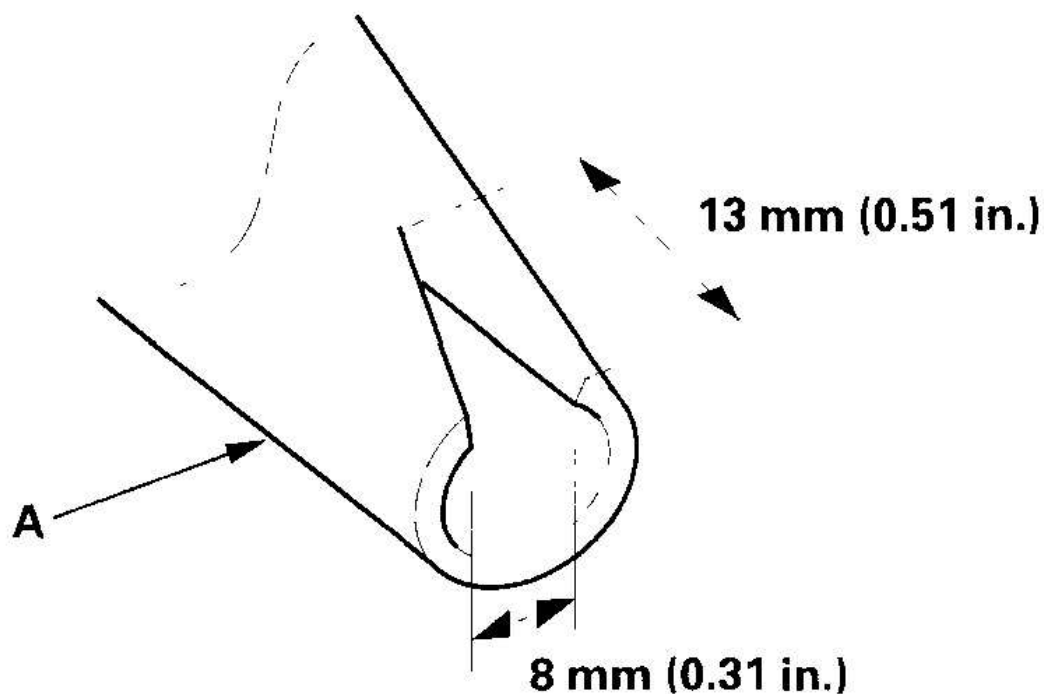
 : Apply body primer to any exposed paint as shown.



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Fig. 22: Applying Light Coat Of Body Primer To Any Exposed Paint
Courtesy of AMERICAN HONDA MOTOR CO., INC.

16. Cut a "V" in the end of the nozzle (A) on the adhesive cartridge as shown in **Fig. 23** .

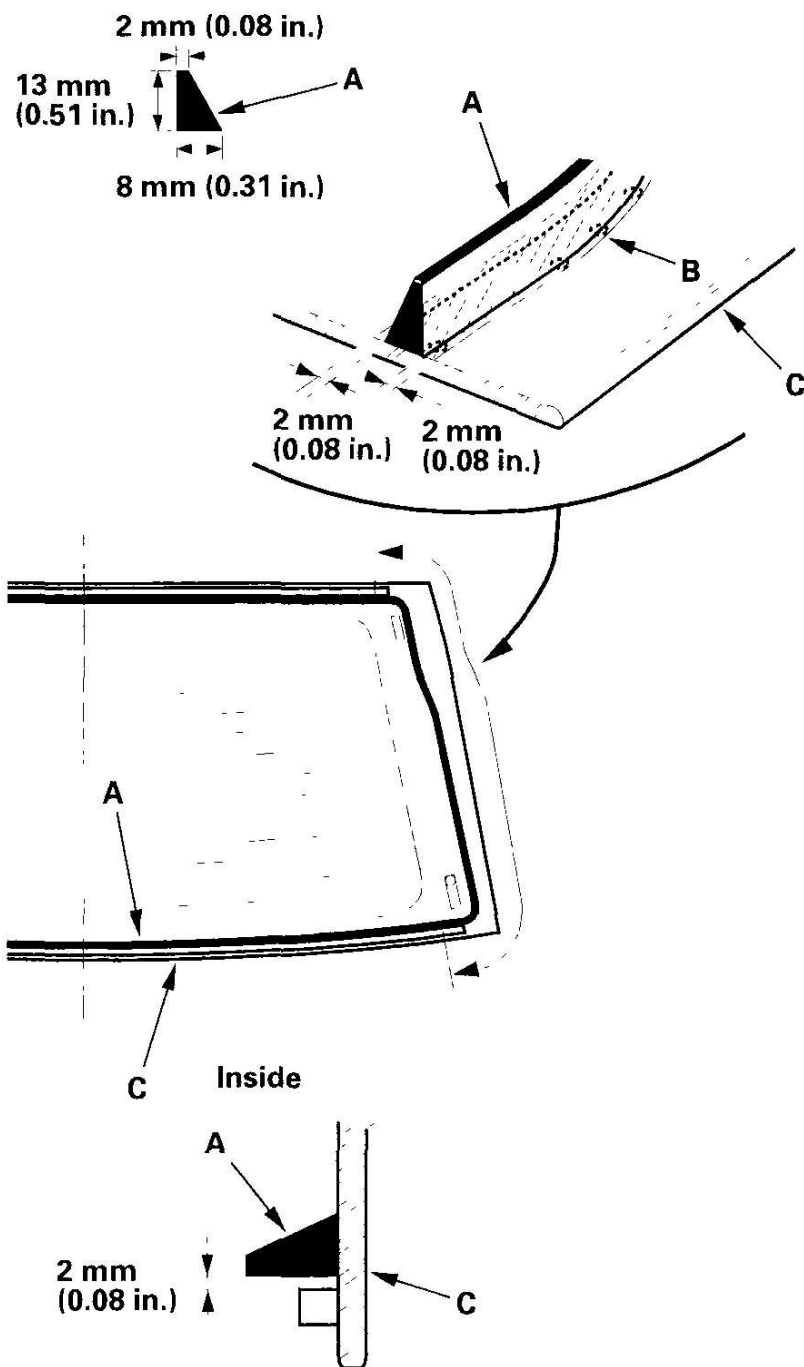


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Fig. 23: Cutting "V" End Of Nozzle On Adhesive Cartridge
Courtesy of AMERICAN HONDA MOTOR CO., INC.

17. Put the cartridge in a caulking gun, and run a bead of adhesive (A) on the glass primer trace (B) you applied on step 14 , and around the edge of the rear window (C) as shown in **Fig. 24** .

Apply the adhesive within 30 minutes after applying the glass primer. Make a slightly thicker bead at each corner.



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Fig. 24: Running Bead Of Adhesive On Glass Primer Trace
Courtesy of AMERICAN HONDA MOTOR CO., INC.

18. Use suction cups to hold the rear window over the opening, align it with the alignment marks you made

in step 12 , and set it down on the adhesive. Lightly push on the rear window until its edges are fully seated on the adhesive all the way around. Do not open or close the doors until the adhesive is dry.

19. Scrape or wipe any excess adhesive off with a putty knife or towel. To remove adhesive from a painted surface or the rear window, use a soft shop towel dampened with alcohol.
20. Let the adhesive dry for at least 1 hour, then spray water over the rear window and check for leaks. Mark the leaking areas, let the rear window dry, then seal with sealant. Let the vehicle stand for at least 4 hours after rear window installation. If the vehicle has to be used within the first 4 hours, it must be driven slowly.
21. Reinstall all remaining removed parts.

NOTE: Advise the customer not to do the following things for 2 to 3 days:

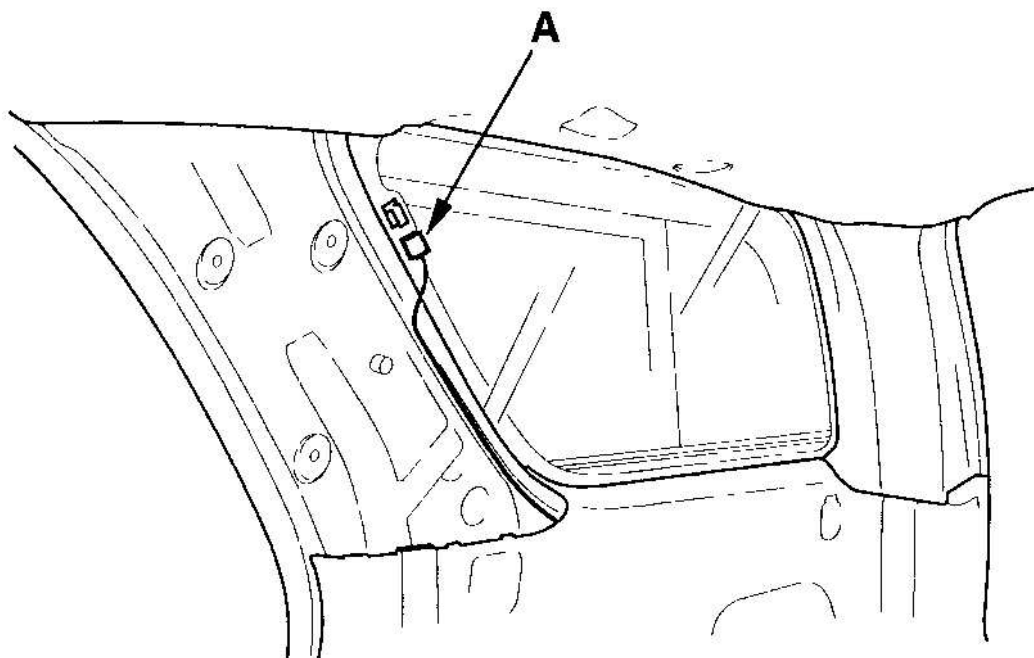
- Slam the doors with all the windows rolled up.
- Twist the body excessively (such as when going in and out of driveways at an angle or driving over rough, uneven roads).

QUARTER GLASS REPLACEMENT

NOTE:

- Put on gloves to protect your hands.
- Wear eye protection while cutting the glass adhesive with piano wire.
- Cover interior surfaces to avoid damaging them.

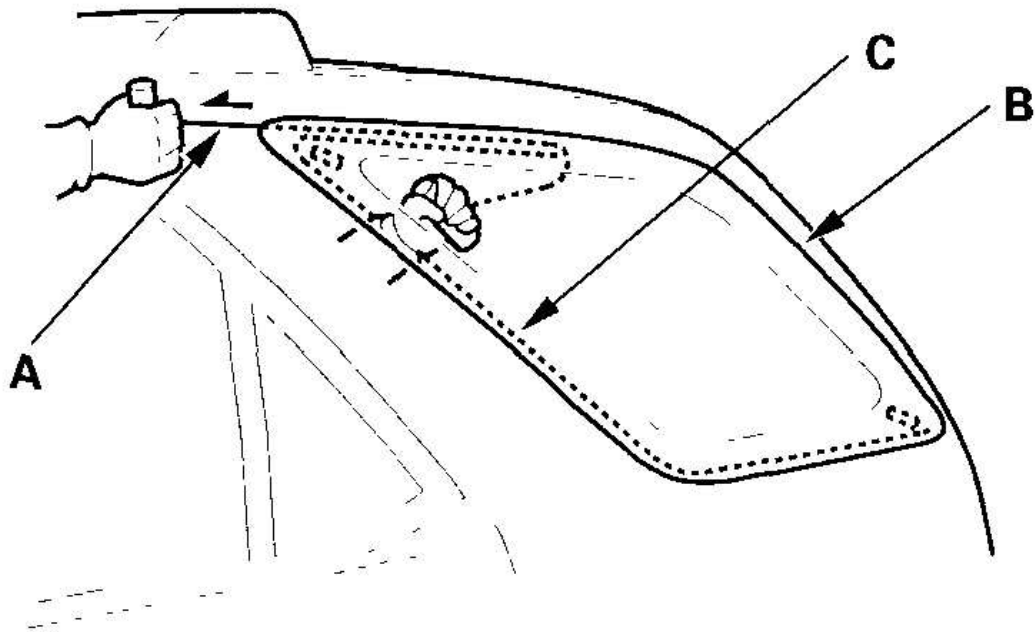
1. Remove these items:
 - D-pillar trim, '03 model (see **D-PILLAR - '03 MODEL**), '04-06 models (see **D-PILLAR - '04-06 MODELS**)
 - Separation net cap, '03 model (see step 15 in **HEADLINER REMOVAL/INSTALLATION**)
 - Separation net lid, '04-06 models (see step 16 in **HEADLINER REMOVAL/INSTALLATION**)
 - Coat hanger, '03 model (see step 17 in **HEADLINER REMOVAL/INSTALLATION**)
2. Pull the upper portion of the rear side trim panel back, then remove the C-pillar trim, '03 model (see **C-PILLAR - '03 MODEL**), '04-06 models (see **C-PILLAR - '04-06 MODELS**).
3. Pull down the rear side portion of the headliner as necessary (see step 20 in **CARPET REPLACEMENT**).
4. Apply protective tape along the inside and outside edges of the body. Using an awl, make a hole through the adhesive from inside the vehicle. Push a piece of piano wire through the hole, and wrap each end around a piece of wood.
5. '05-06 models with XM radio: Disconnect the glass antenna connector (A) from the right quarter glass.



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Fig. 25: Disconnecting Glass Antenna Connector From Right Quarter Glass
Courtesy of AMERICAN HONDA MOTOR CO., INC.

6. With a helper on the outside, pull the piano wire (A) back and forth in a sawing motion. Hold the piano wire as close to the quarter glass (B) as possible to prevent damage to the body, and carefully cut through the adhesive (C) around the entire quarter glass.



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Fig. 26: Cutting Positions Using Piano Wire (1 Of 2)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

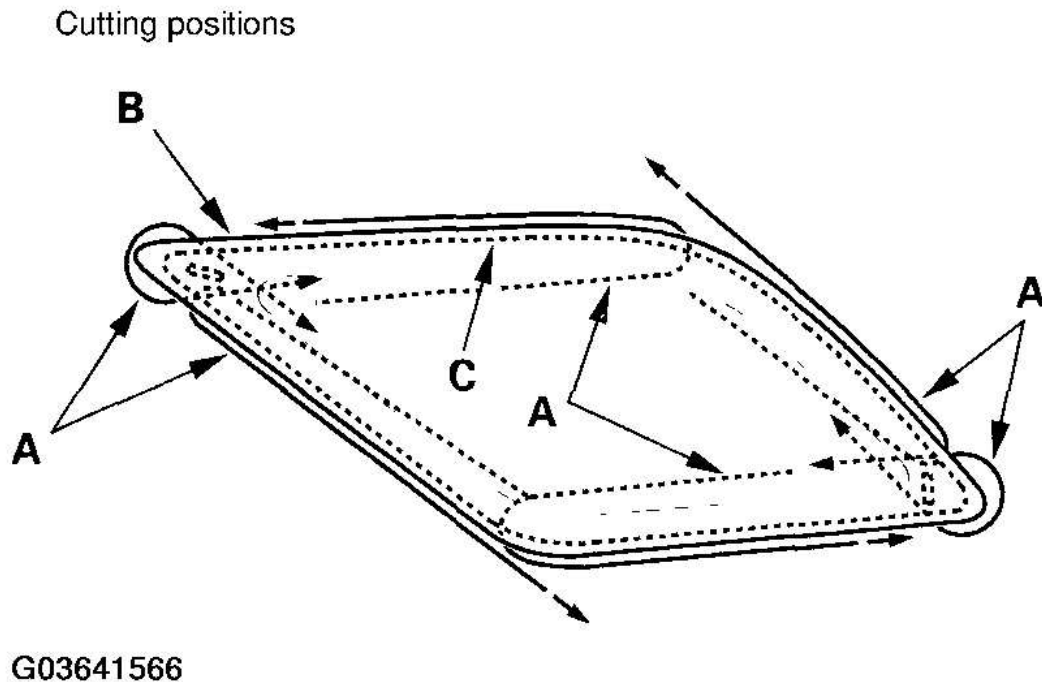
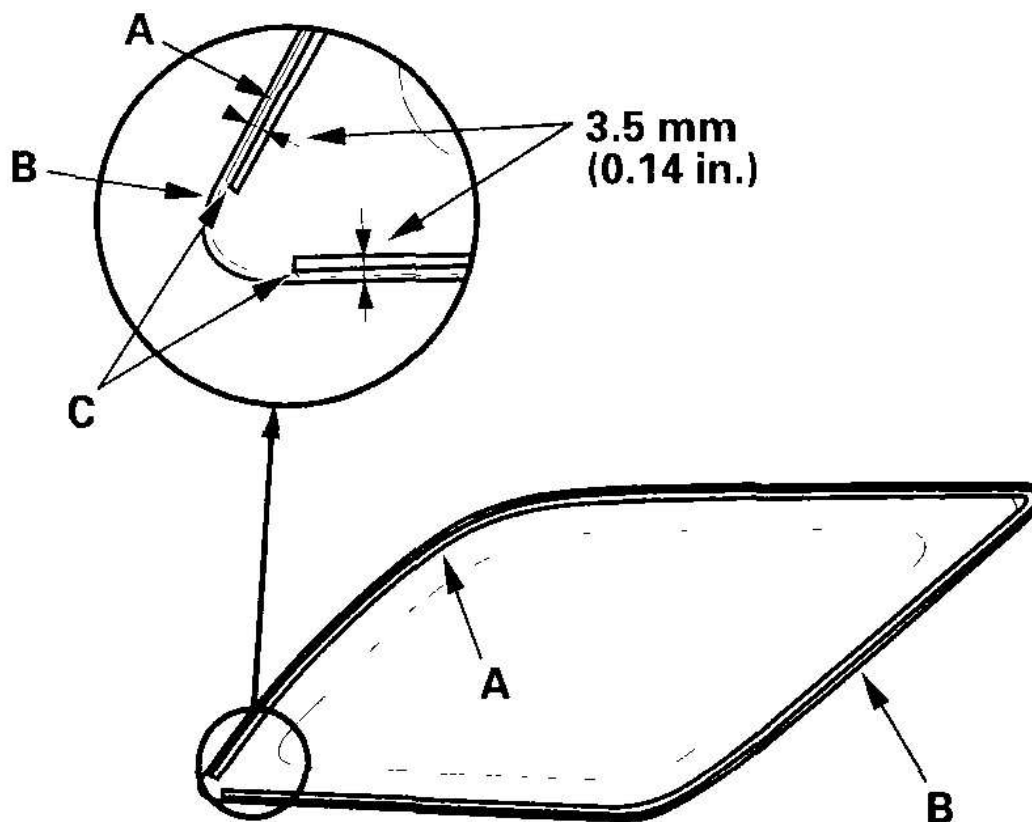


Fig. 27: Cutting Positions Using Piano Wire (2 Of 2)
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

7. Carefully remove the quarter glass.
8. With a putty knife, scrape the old adhesive until smooth to a thickness of about 2 mm (0.08 in.) on the bonding surface around the entire quarter glass opening flange:
 - Do not scrape down to the painted surface of the body; damaged paint will interfere with proper bonding.
 - Remove the fasteners from the body.
9. Clean the body bonding surface with a sponge dampened in alcohol. After cleaning, keep oil, grease, and water from getting on the surface.
10. If the old quarter glass will be reinstalled, use a putty knife to scrape off all of the old adhesive and the rubber dam from the glass. Clean the inside face and the edge of the glass with alcohol where new adhesive will be applied. Make sure the bonding surface is kept free of water, oil, and grease.
11. Attach the rubber dam (A) with adhesive tape A to the inside surface of the glass (B) as shown in **Fig. 28** :
 - Be sure both ends of the rubber dam line up with the alignment marks (C).
 - Be careful not to touch the glass where adhesive will be applied.

Adhesive tape A: Thickness 0.16 mm (0.006 in.) Width 3.5 mm (0.14 in.)

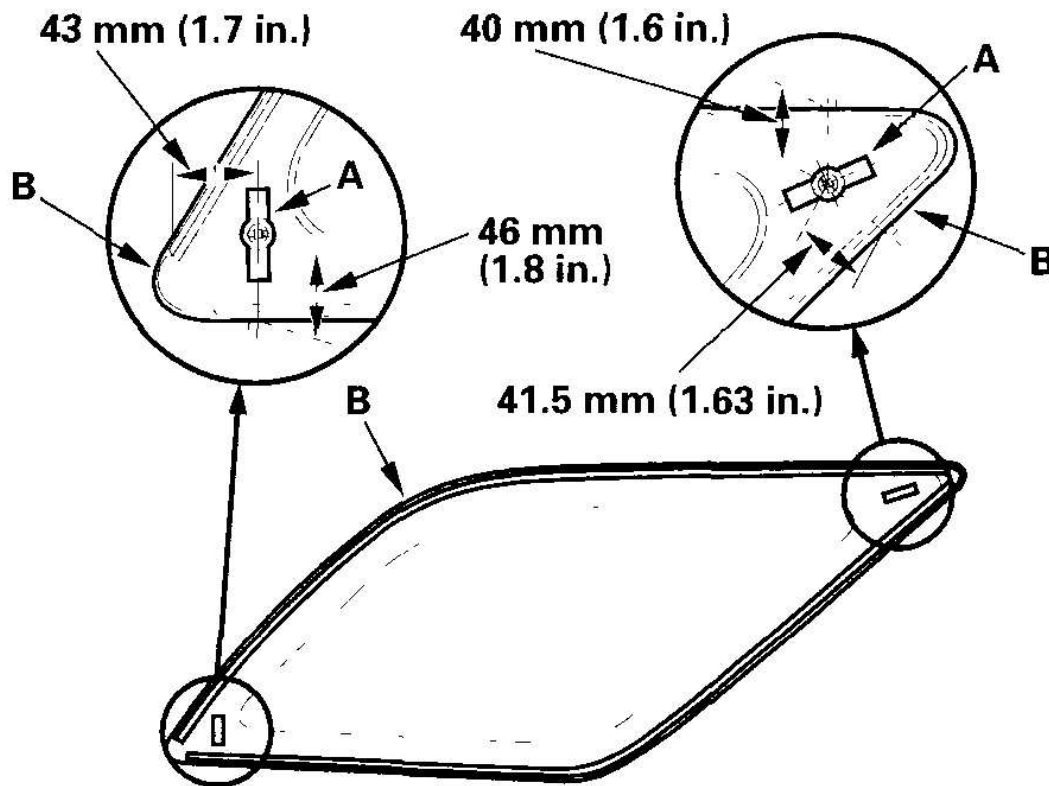


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Fig. 28: Attaching Rubber Dam With Adhesive Tape A To Inside Surface Of Glass
Courtesy of AMERICAN HONDA MOTOR CO., INC.

12. Attach the clips (A) with adhesive tape A to the inside face of the quarter glass (B) as shown in **Fig. 29** . Be careful not to touch the quarter glass where adhesive will be applied.

Adhesive tape A: Thickness 0.4 mm (0.016 in.) Width 11 mm (0.43 in.)

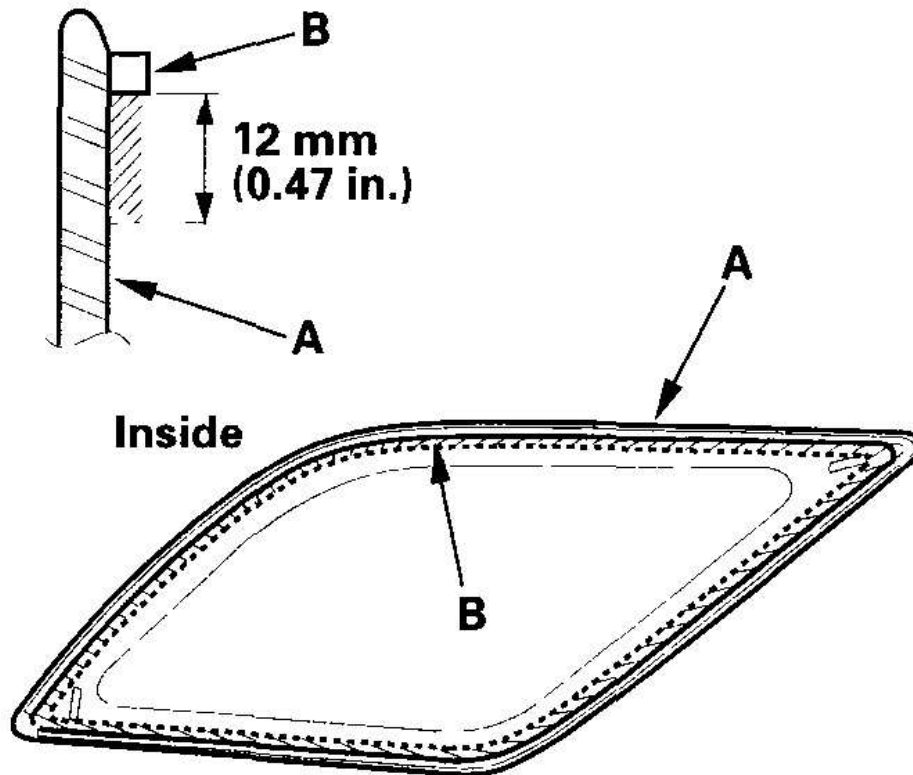


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Fig. 29: Attaching Clips With Adhesive Tape A To Inside Face Of Quarter Glass
Courtesy of AMERICAN HONDA MOTOR CO., INC.

13. With a sponge, apply a light coat of glass primer to the edge of the glass (A) and along the rubber dam (B) as shown in **Fig. 30** , then lightly wipe it off with gauze or cheesecloth:
 - Do not apply body primer to the quarter glass, and do not get the 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 quarter glass properly, causing a leak after the quarter glass is installed.
 - Keep water, dust, and abrasive materials away from the primed surfaces.

 : Apply glass primer here.

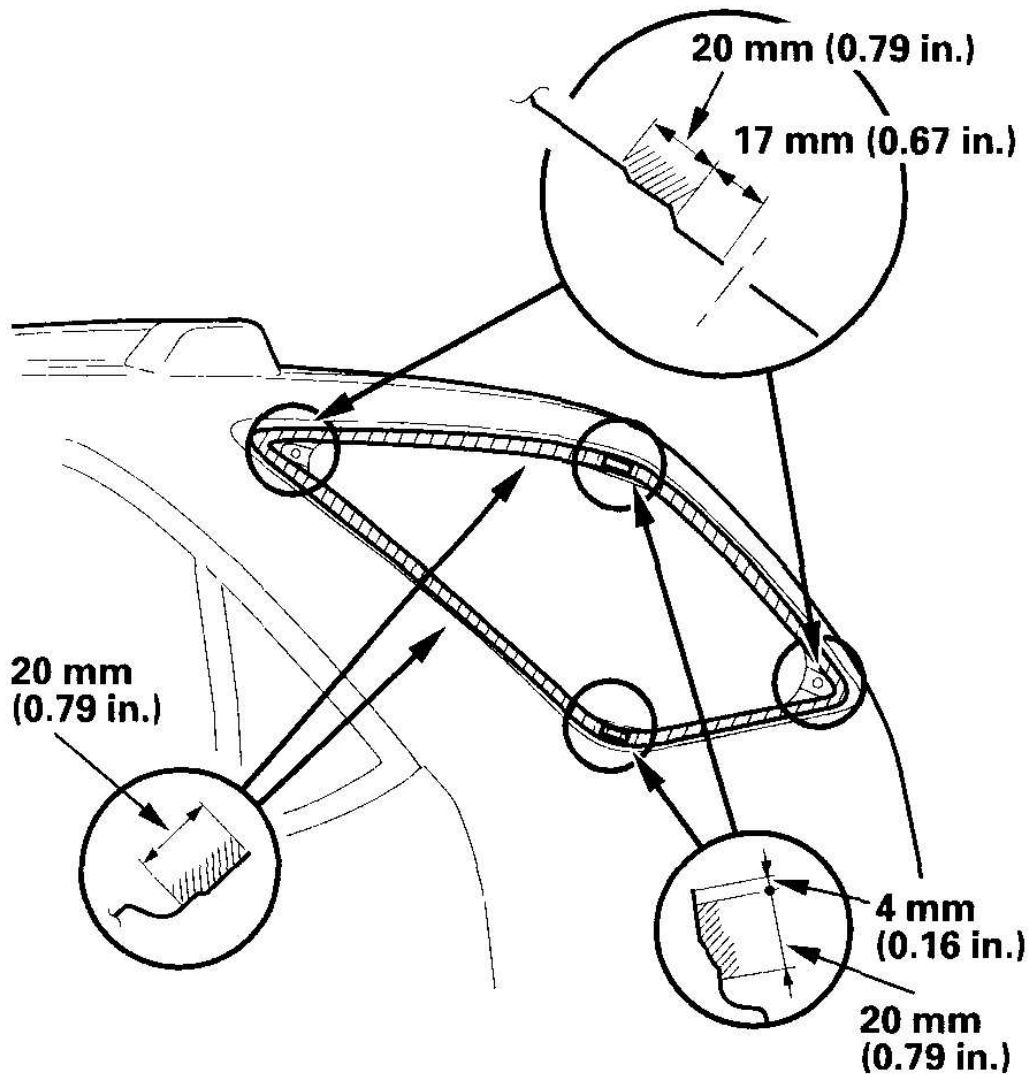


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Fig. 30: Applying Light Coat Of Glass Primer To Edge Of Glass And Along Rubber Dam
Courtesy of AMERICAN HONDA MOTOR CO., INC.

14. With a sponge, carefully apply a light coat of body primer to any exposed paint around the flange where new adhesive will be applied. Let the primer dry for at least 10 minutes:
 - Do NOT apply body primer to any remaining original adhesive on the flange.
 - Be careful not to mix up the body and glass primer sponges.
 - Never touch the primed surface with your hands.

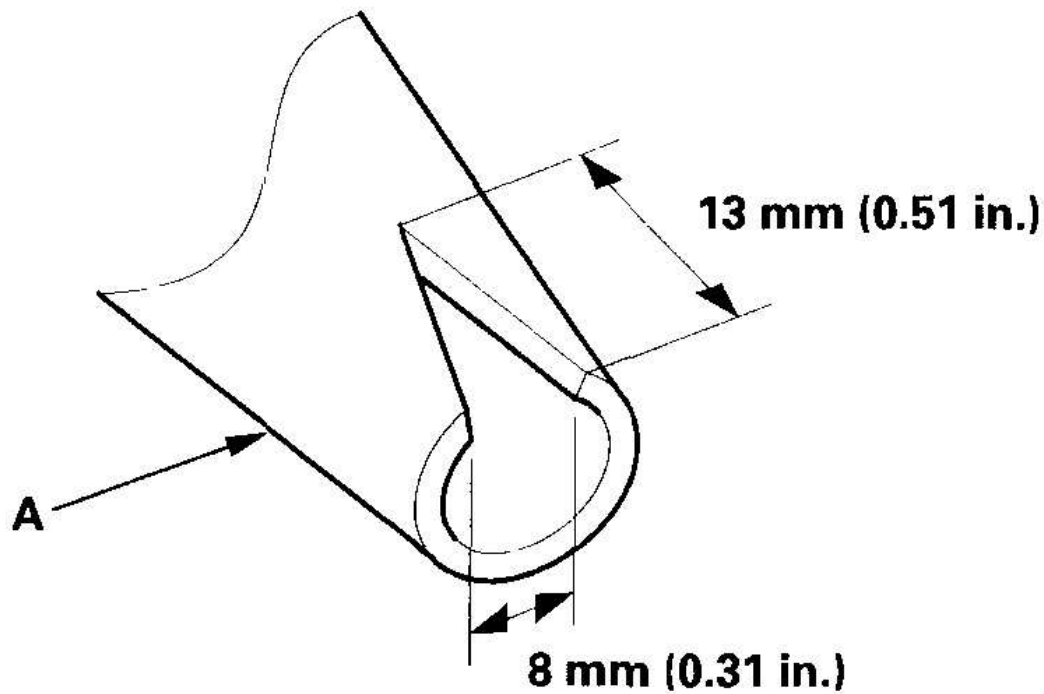
//// : Apply body primer to any exposed paint as shown.



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Fig. 31: Applying Light Coat Of Body Primer To Any Exposed Paint
Courtesy of AMERICAN HONDA MOTOR CO., INC.

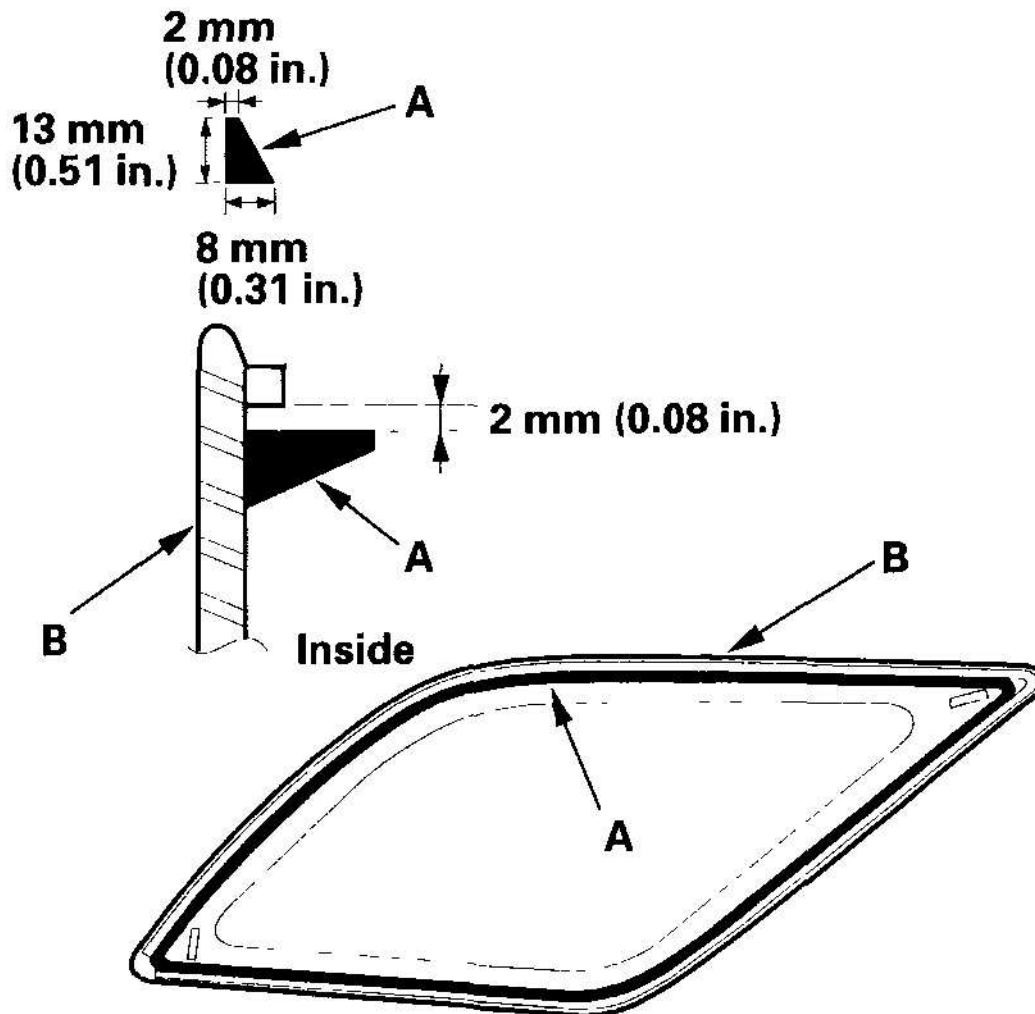
15. Cut a "V" in the end of the nozzle (A) on the adhesive cartridge as shown in **Fig. 32** .



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Fig. 32: Cutting "V" End Of Nozzle On Adhesive Cartridge
Courtesy of AMERICAN HONDA MOTOR CO., INC.

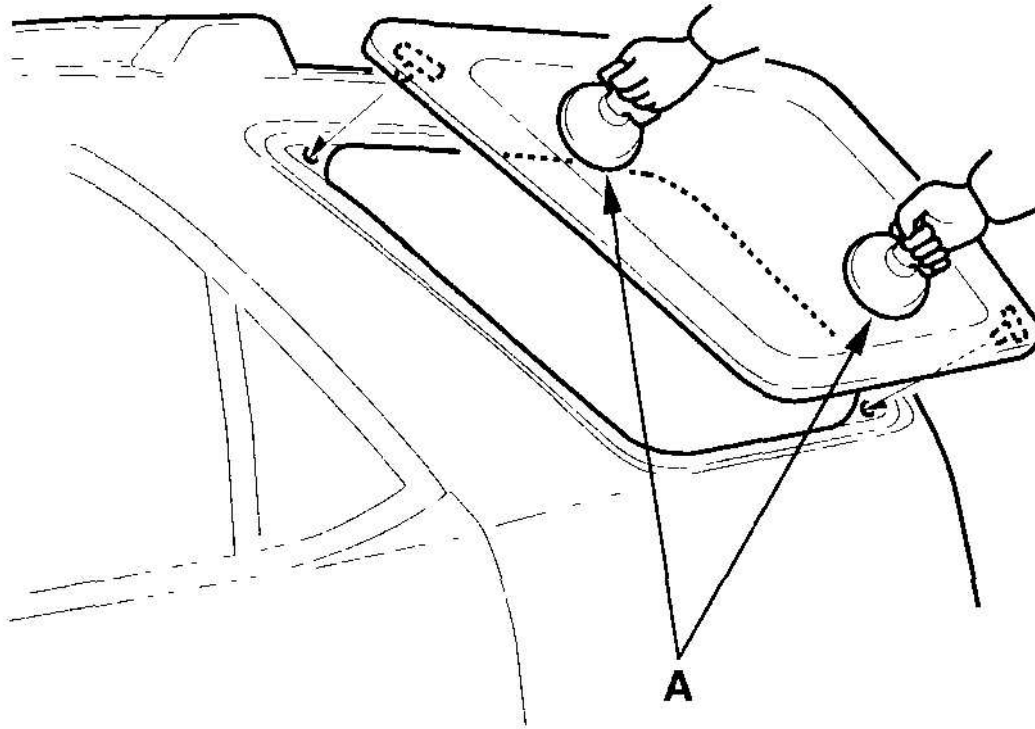
16. Put the cartridge in a caulking gun, and run a bead of adhesive (A) around the edge of the glass (B) as shown in **Fig. 33** . Apply the adhesive within 30 minutes after applying the glass primer. Make a slightly thicker bead at each corner.



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Fig. 33: Running Bead Of Adhesive Around Edge Of Glass
Courtesy of AMERICAN HONDA MOTOR CO., INC.

17. Use suction cups (A) to hold the quarter glass over the opening, align it and set it down on the adhesive. Lightly push on the quarter glass until its edges are fully seated on the adhesive all the way around. Do not open or close the doors until the adhesive is dry.



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Fig. 34: Using Suction Cups To Hold Quarter Glass Over Opening
Courtesy of AMERICAN HONDA MOTOR CO., INC.

18. Scrape or wipe any excess adhesive off with a putty knife or towel. To remove adhesive from a painted surface or the rear window, use a soft shop towel dampened with alcohol.
19. Let the adhesive dry for at least 1 hour, then spray water over the sliding door glass and check for leaks. Mark the leaking areas, let the quarter glass dry, then seal with sealant. Let the vehicle stand for at least 4 hours after quarter glass installation. If the vehicle has to be used within the first 4 hours, it must be driven slowly.
20. Reinstall all remaining removed parts.

NOTE: Advise the customer not to do the following things for 2 to 3 days:

- Slam the doors with all the windows rolled up.
- Twist the body excessively (such as when going in and out of driveways at an angle or driving over rough, uneven roads).