

## 5. Windshield

### A: REMOVAL

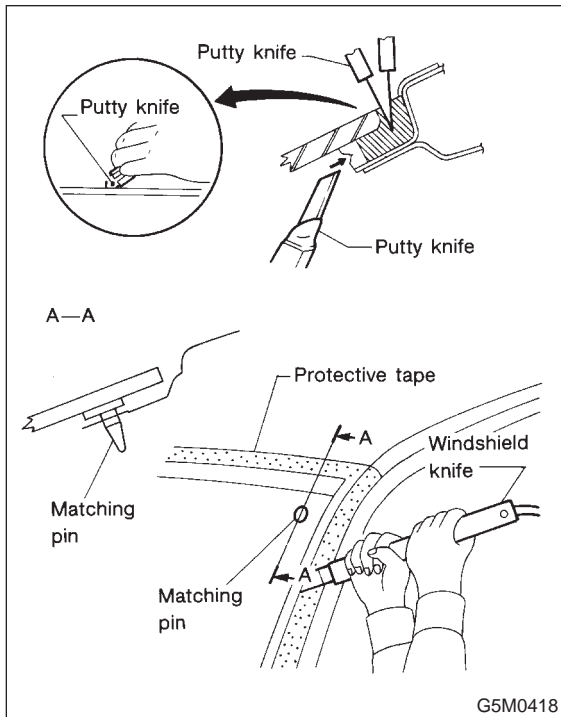
#### 1. USING WINDSHIELD KNIFE

The following procedure for the front windshield can also be applied to other window glass.

- 1) Remove wiper arm and cowl panel.
- 2) Remove front side molding and front molding upper.
- 3) Remove glass:
  - (1) Put protective tape on body to prevent damage.
  - (2) Apply soapy water to the surface of the adhesive agent so the knife blade slides smoothly.
  - (3) Cut off excess adhesive agent.
  - (4) Put windshield knife into layer of adhesive.
  - (5) Cut adhesive layer with the windshield knife.

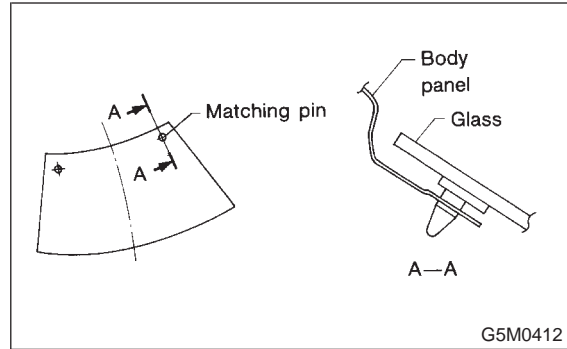
**CAUTION:**

- Keep knife edge along glass surface and end face.
- When first putting knife into layer of adhesive, select point with wide gap between body and glass.



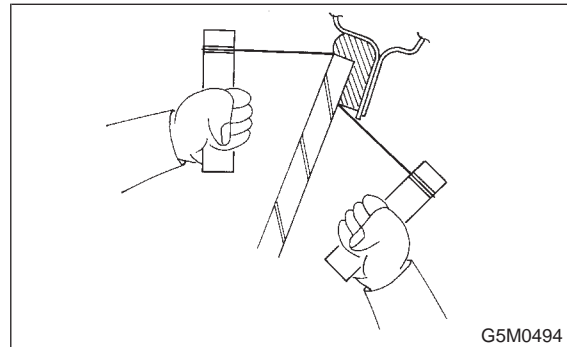
**NOTE:**

A matching pin is cemented to corners of glass on compartment side.  
Use a piano wire when cutting each pin.



#### 2. USING PIANO WIRE

- 1) Remove wiper arm and cowl panel.
- 2) Remove roof molding and front window molding upper.
- 3) Remove glass:
  - (1) Put protective tape on body to prevent damage.
  - (2) Using drill or putty knife, make through-hole (one place) in adhesive agent.
  - (3) Pass piano wire through the hole from inside the compartment, and connect both ends of wire securely to wooden blocks.



- (4) Cut adhesive layer with the wire by pulling it back and forth.

**CAUTION:**

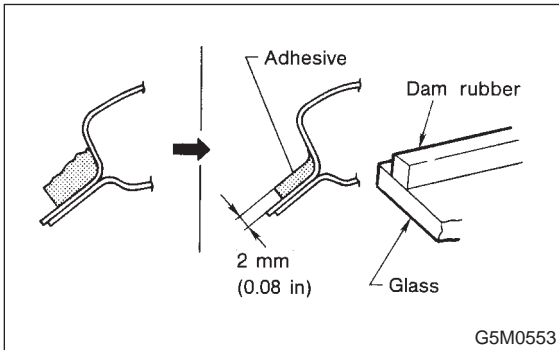
When making through-hole into adhesive layer and cutting the adhesive, be careful not to damage interior and exterior parts.

**B: INSTALLATION**

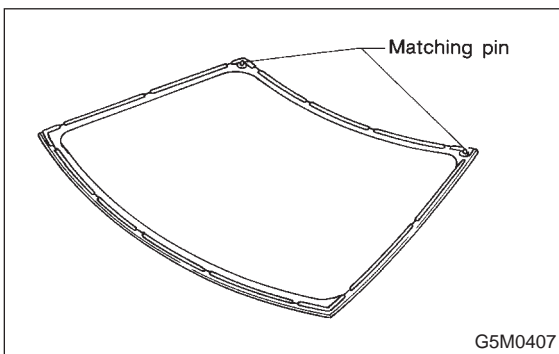
- 1) After cutting layer of adhesive, remove dam rubber remaining on body.
- 2) Finishing adhesion surface on body side:  
Using a cutter knife etc., cut layer of adhesive sticking firmly to body, and finish it to a smooth surface of about 2 mm (0.08 in) in thickness.

**CAUTION:**

Take extra care not to cause damage to body paint.

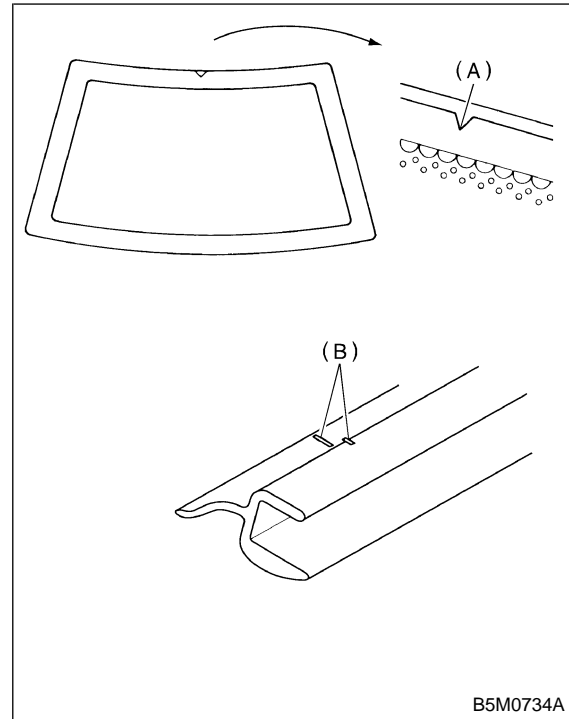


- 3) Cleaning body surface:
  - (1) Thoroughly remove chips, dirt and dust from body surface.
  - (2) Clean body wall surface and upper surface of layer of adhesive with a solvent such as alcohol or white gasoline.
- 4) Positioning glass:
  - (1) Mount glass on body.
  - (2) Adjust position of glass so that gap between body and glass is uniform on all sides.
  - (3) Put matching pin on body and glass in several places.



- 5) Cleaning glass:
  - (1) Dismount glass from body.
  - (2) Clean surface of glass to be adhered with alcohol or white gasoline.

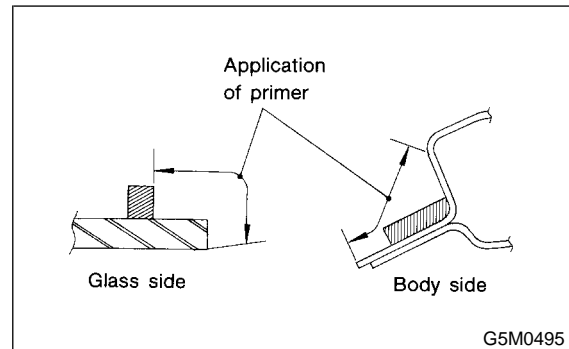
- 6) Installation of molding:  
When installing molding to windshield, align mark (B) on molding to notch (A) on ceramic print.



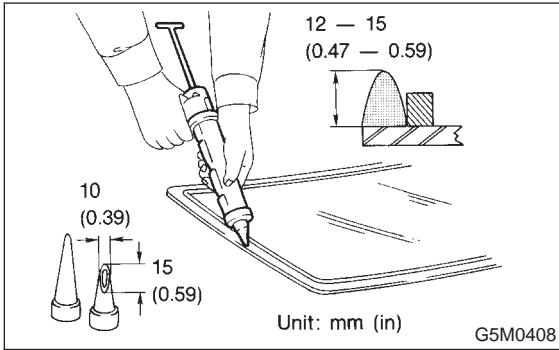
- 7) Application of primer:
  - (1) Using a sponge, apply primer to part of glass to be adhered.
  - (2) Apply primer to part of body to be adhered.

**CAUTION:**

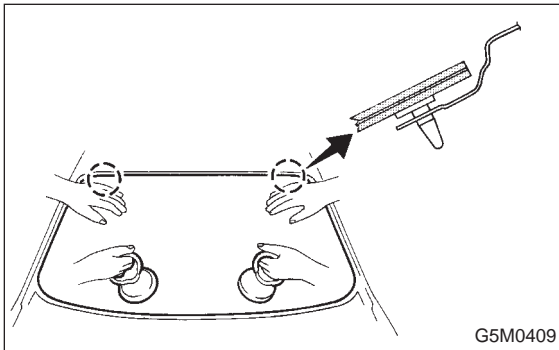
- Primer is hard to wipe off of body paint, instrument panel, inner trim, etc. So put masking around these areas for protection.
- After application, let 1st primer dry spontaneously for about 10 minutes.
- Do not touch primer-coated surface under any circumstances.



- 8) Application of adhesive:  
(1) Cut nozzle tip of cartridge as shown in figure.



- (2) Open cartridge and put it into a gun with nozzle attached.  
(3) Apply adhesive uniformly to all sides of adhesion surface while operating gun along glass end face.
- 9) Installation of glass:  
(1) Hold glass with rubber suction cups.  
(2) Mount glass on body with matching pin aligned.



- (3) Stick them fast by pressing all sides lightly.

**CAUTION:**  
Do not open and close door after moldings have been installed. When opening and closing door for unavoidable reason, lower door glass and gently move door.

- 10) Water leakage test:  
Test for water leakage about one hour after installation.

**CAUTION:**  
● Move vehicle very gently.  
● Do not squirt strong hose stream on vehicle.

- 11) Spontaneous drying:  
After completing all operations, leave vehicle alone for 24 hours.

**CAUTION:**  
When delivering vehicle to user, tell him that vehicle should not be subjected to heavy shocks for at least three days.

- 12) Install cowl panel and wiper arm.