

CHAPTER EIGHT WINDSHIELD

I. DISASSEMBLING THE FRONT WINDSHIELD

1. Remove the wiper arm and the lower trim panel of the windshield;



Figure 147

2. Pull the piano wire through the body and the glass and tie both ends of the piano wire with wood block or similar;

Tip: Use adhesive tape on the outside to prevent the external surface from being scuffed.

Note: Make sure that not spoil the paint coat or inner or outer trim parts when separating the glass. Place a plastic piece between the piano wire and the instrument panel to prevent the instrument panel from being scuffed when disassembling the glass.



Figure 148

3. Pull the piano wire around the glass, and cut off the bonding agent to take out the glass;

Note: Leave bonding agent as much as possible on the body when cutting off the bonding part of the glass.

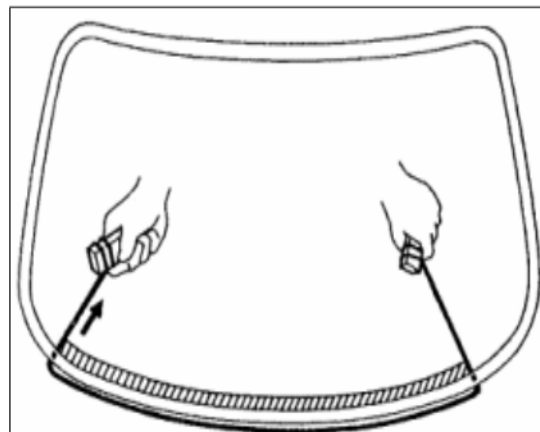


Figure 149

INSTALLING THE FRONT WIND SHIELD

1. Cut away the rough parts on the body with a knife and clean the cut surface of the bonding agent with a rag soaked with washer fluid;

Tip: Even if the entire bonding agent has been cleared, you should also clean the body surface and do not touch the glass surface after cleaning.

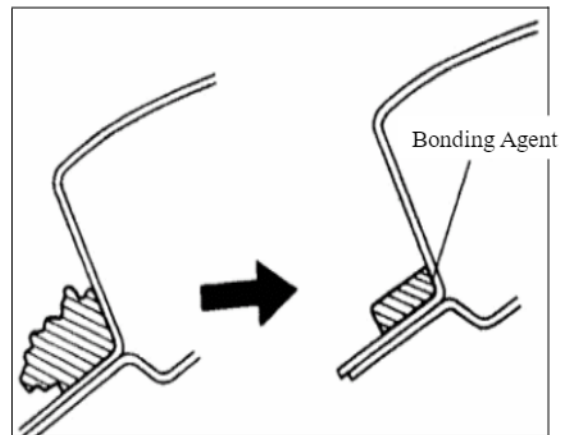


Figure 150

2. Remove the stopper with a knife;

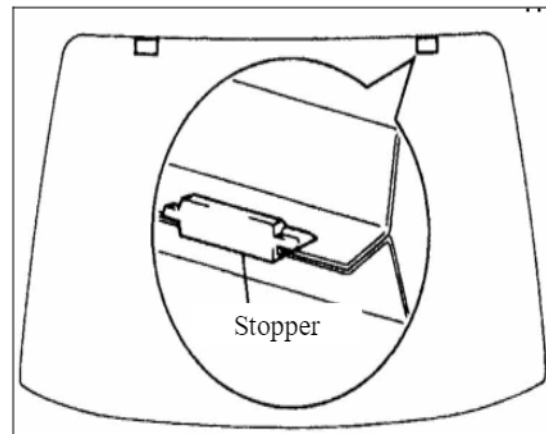


Figure 151

3. Clear the bonding agent adhered to the glass with a scraper and clean the glass with washer fluid;

Note: Do not touch the glass after cleaning.

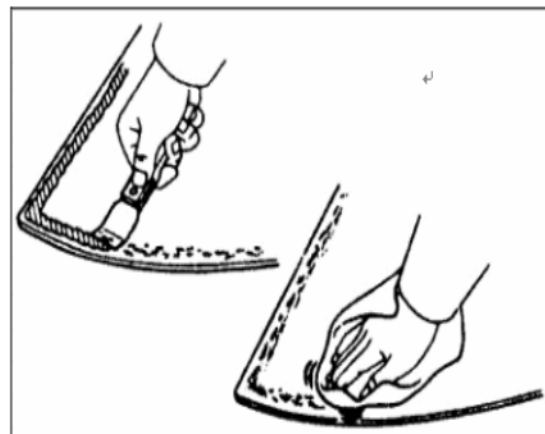


Figure 152

4. Replacing the clamping piece if necessary;

- ① Remove the stopper with a knife
- ② Remove the old clamping piece
- ③ Replace with a new clamping piece

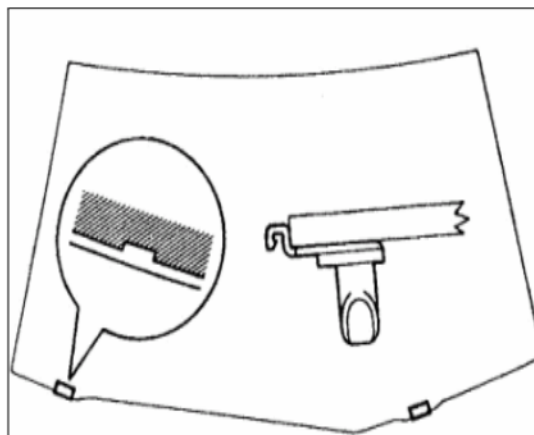


Figure 153

5. Position the glass;

- ① Place the glass at the proper position
- ② Make reference marks on the glass and the body
- ③ Remove the glass

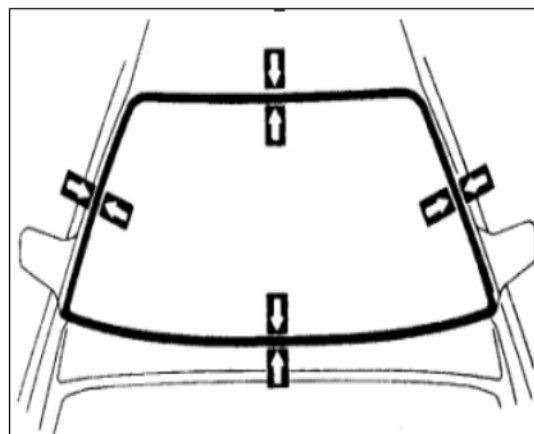


Figure 154

6. Clean the contact surface of the glass;

Clear the black dirt around peripheral contact face of the glass with washer fluid;

Note: Do not touch the glass surface after cleaning.

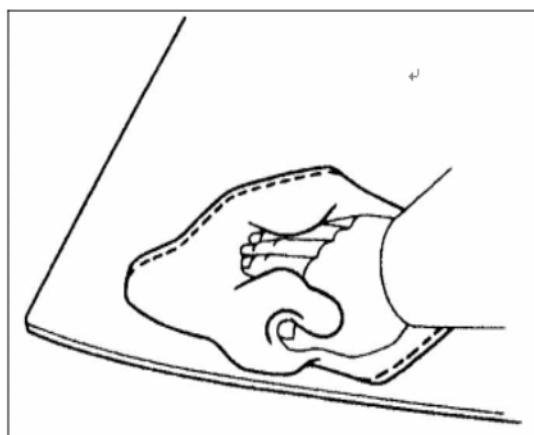


Figure 155

7. Install the water resistance piece;

Install the water resistance piece using double face adhesive tape as shown in the figure

Note: Do not touch the glass surface after cleaning;

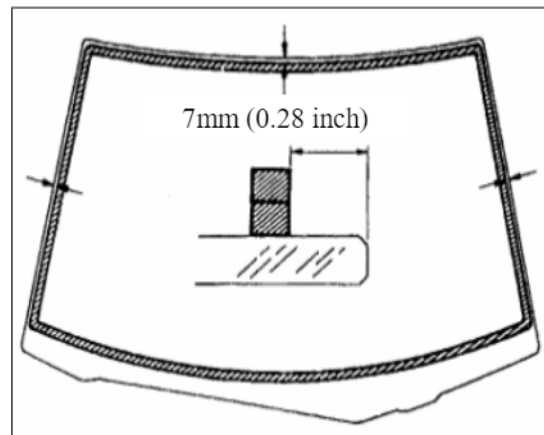


Figure 156

8. Apply a layer of primer M on the contact surface of the body and apply a layer of primer M on the contact face of the body with a brush;

Note: Let the primer coat dry for more than 3 minutes. Do not apply the primer on the bonding agent. Do not reserve the opened primer M for later use.

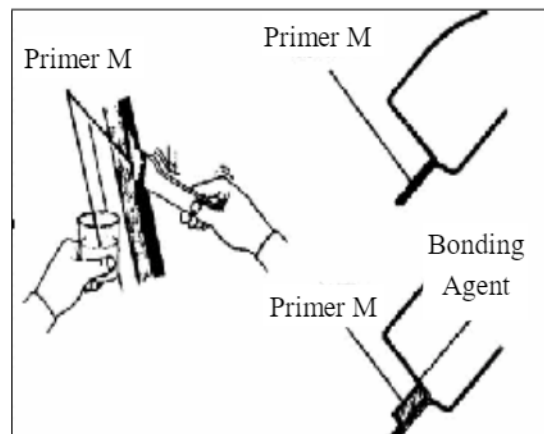


Figure 157

9. Apply a layer of primer G on the contact surface of the glass;

- ① Apply a layer of primer G on the edges and the contact surface of the glass with a brush or sponge.
- ② Wipe the primer off with a clean rag before it dries.

Note: Let the primer coat dry for more than 3 minutes. Do not apply the primer on the bonding agent. Do not reserve the opened primer G for later use.

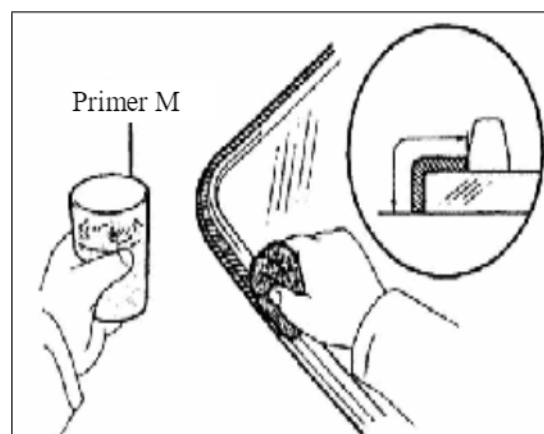


Figure 158

10. Mixing the bonding agent;

Note: Make sure that the moulding be installed within the application period of the bonding agent, and the bonding agent should be mixed within 5 minutes.

- ① Clean the glass board and the putty knife completely with solvent
- ② Mix 500 grams host crystal with 75 grams hardener completely on a glass board or similar with a scraper

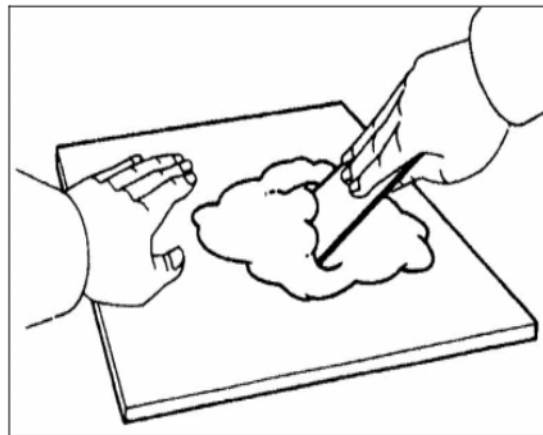


Figure 159

11. Applying the bonding agent;

- ① Cut off the pot tip and fill the bonding agent into the pot
- ② Place the pot into the sealant gun
- ③ Apply the bonding agent on the glass as shown in the figure

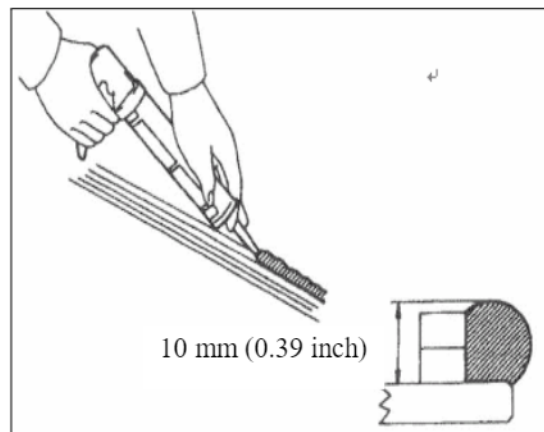


Figure 160

12. Installing the glass;

Tip: Make sure that the water resistant piece adhered to the panel of the body as shown in the figure

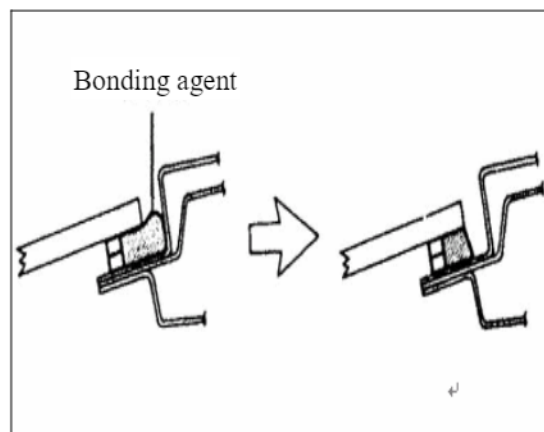


Figure 161

- Note: ① To install the glass, align the reference marks on the glass and the body and then lightly press the glass into from the edge.
- ② Apply the bonding agent on the edges of the glass with a scraper.

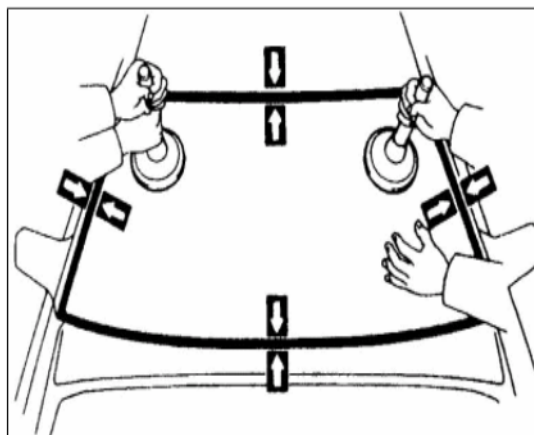


Figure 162

- ③ Clear the excessive or over flown bonding agent with a scraper.
- ④ Clamp the glass until the bonding agent is harden.

Check for water leakage and repair it:

- ① Perform the leakage test after the hardening period.
- ② Seal the leakage part with sealant

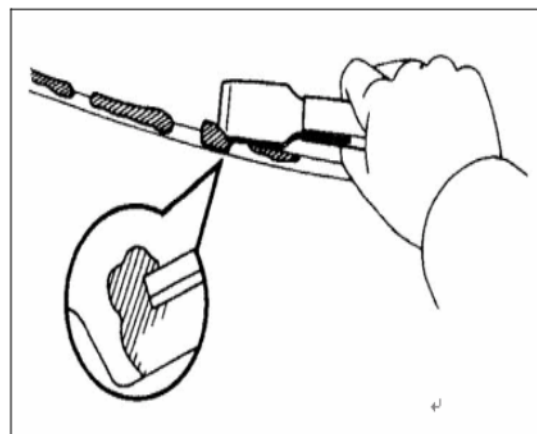


Figure 163

13. Install the upper moulding of the windshield;

Install the upper moulding on the body and tap it lightly to fasten it.

Install the outer moulding

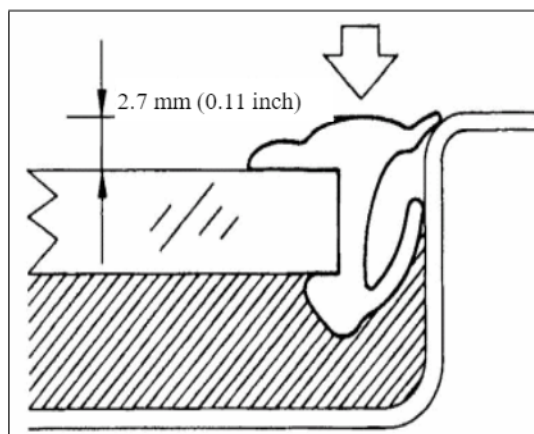


Figure 164

II. DISASSEMBLING AND INSTALLING THE REAR WINDSHIELD

1. Lay down the seat back and remove the coat track;



Figure 165

2. Remove the lower moulding

Cut off the double face adhesive tape at both ends of the moulding with a scraper as shown in the figure;

Tip: Entangle the tip of the scraper with adhesive tape before starts.

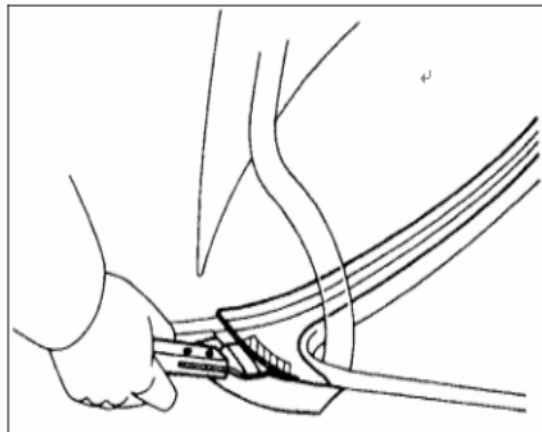


Figure 166

3. Remove the glass of the rear window

- ① Pull the piano wire through between the body and the glass from inside of the vehicle
- ② Tie both ends of the piano wire with wood block or similar

Tip: Use adhesive tape on the outside to prevent the external surface from being scuffed.

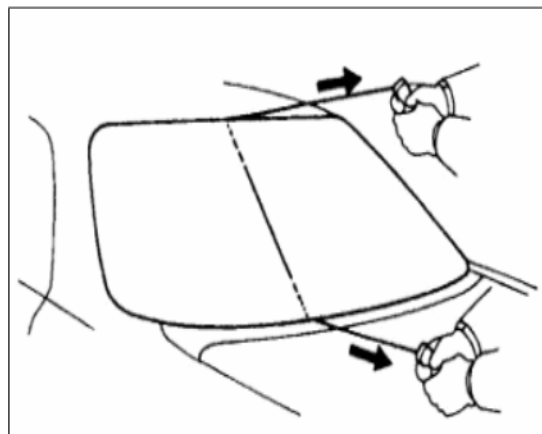


Figure 167

- ③ Pull the piano wire along the bonding agent to cut it off.

Tip: Do not let the piano wire spoil the two stoppers.

- ④ Remove the glass, and then remove the moulding of the rear window

The installing steps are reverse to those for removal.

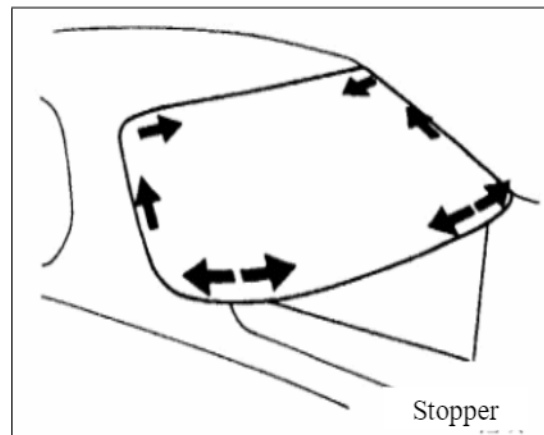


Figure 168

INSTALLING THE GLASS OF THE REAR WINDOW

1. Fitting the rear window moulding

Place the moulding around the glass and fit it manually.

Tip: Be sure to remove the glass of the rear window first before fitting the moulding

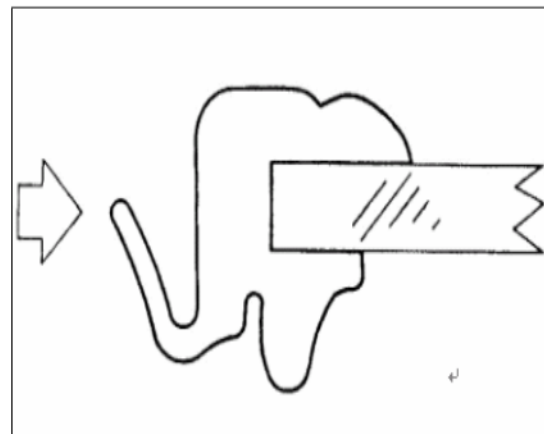


Figure 169

2. Clean and finish the contact surface of the body and cut off the rough parts on the body;

Tip: Leave bonding agent as much as possible on the body and clean the cut surface of the bonding agent with a rag soaked with washer fluid.

Tip: Even if the entire bonding agent has been cleared, you should also clean the body.

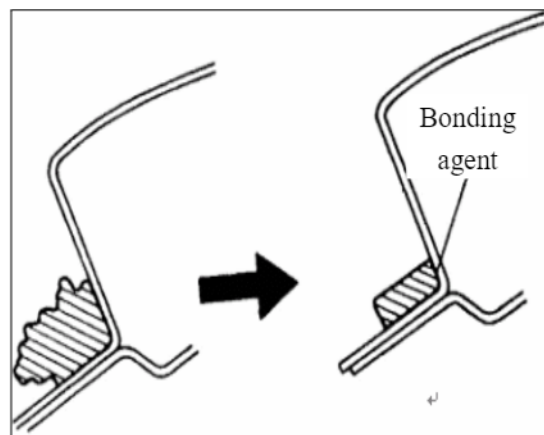


Figure 170

3. Clean the glass removed

- ① Clear the bonding agent adhered to the glass with a scraper
- ② Remove the stopper with a knife
- ③ Clean the glass with washer fluid

Note: Do not touch the glass after cleaning

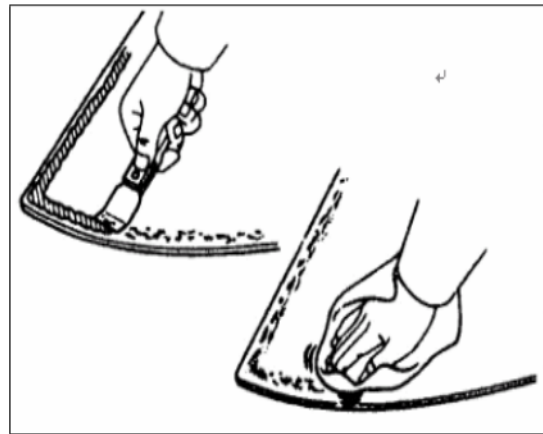


Figure 171

4. Position the glass

- ① Place the glass at proper position
- ② Make reference marks on the glass and the body
- ③ Remove the glass

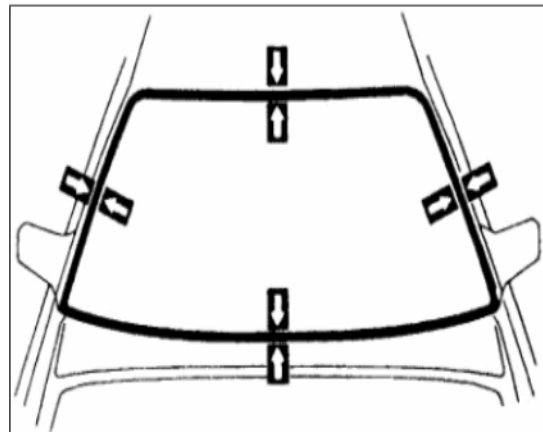


Figure 172

5. Clean the contact surface of the glass

Clear the black dirt around peripheral contact face of the glass with washer fluid

Note: Do not touch the glass surface after cleaning.

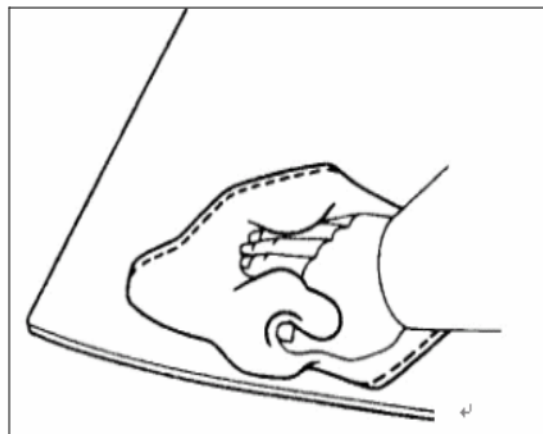


Figure 173

6. Apply a layer of primer M on the contact surface of the body with a brush

Note: Let the primer dry for more than 3 minutes. Do not apply the primer on the bonding agent. Do not reserve the opened primer M for later use.

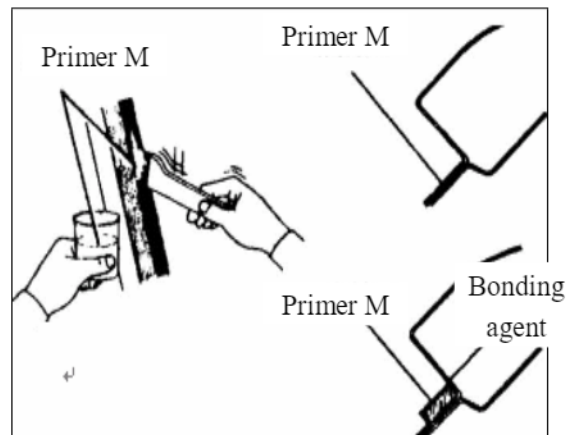


Figure 174

7. Apply a layer of primer G on the contact surface of the glass. Wipe the primer off with a clean rag before it dries.

Note: Let the primer coat dry for more than 3 minutes. Do not apply the primer on the bonding agent. Do not reserve the opened primer G for later use in bonding agent mixing.

Note: Make sure that the moulding is installed within the application period of the bonding agent, and the bonding agent should be mixed within 5 minutes.

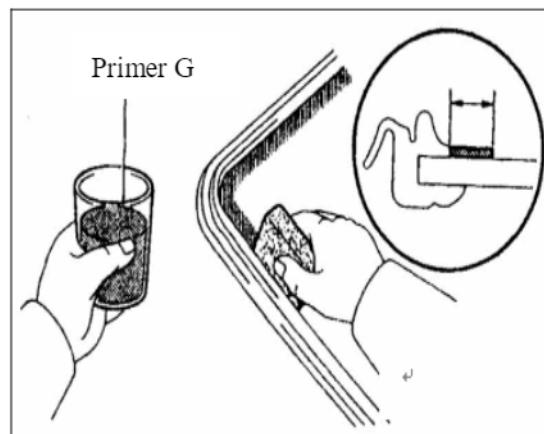


Figure 175

8. Completely clean the glass board and putty knife with solvent. Completely mix 500 grams host crystal with 75 grams hardener on a glass board or similar with a scraper;

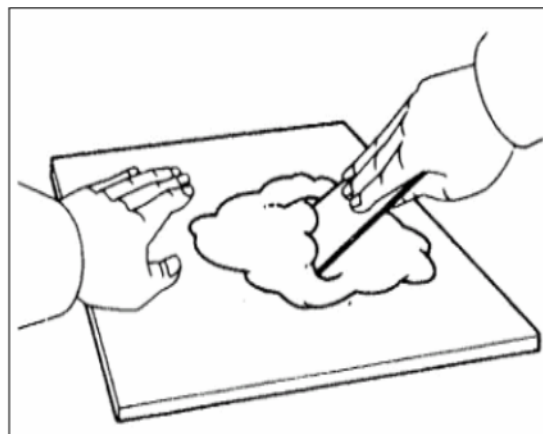


Figure 176

9. Applying the bonding agent: Cut off the tip of the pot, fill the bonding agent into the pot, place the pot into the sealant gun, and then apply the bonding agent on the glass as shown in the figure;

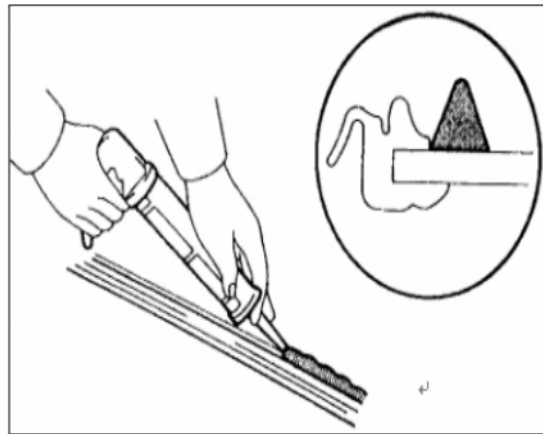


Figure 177

10. Installing the glass

- ① To install the glass, align the reference marks on the glass and the body, and then lightly press the glass into from the edge.

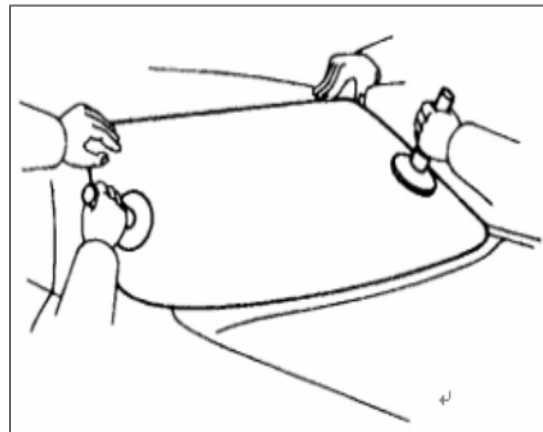


Figure 178

- ② Apply the bonding agent on the edges of the glass with a scraper
- ③ Clear the excessive or over flown bonding agent with a scraper
- ④ Clamp the glass until the bonding agent is harden

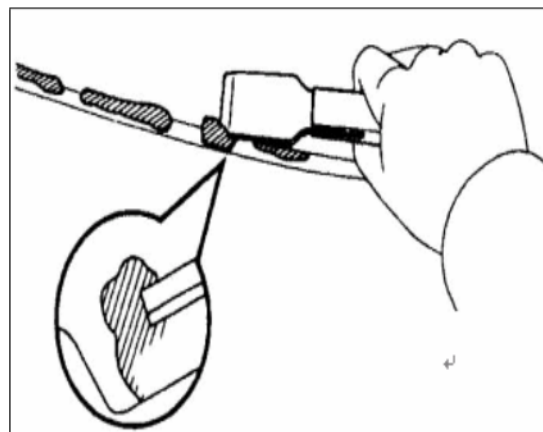


Figure 179

11. Check for water leakage and repair it

- ① Perform the leakage test after the hardening period
- ② Seal the leakage part with sealant

Fit the outer lower moulding of the rear window, fit the moulding on the body and tap it lightly to fasten it, connect the leads connector of the defroster, and last re-install the disassembled parts.

