

9. Windshield Glass

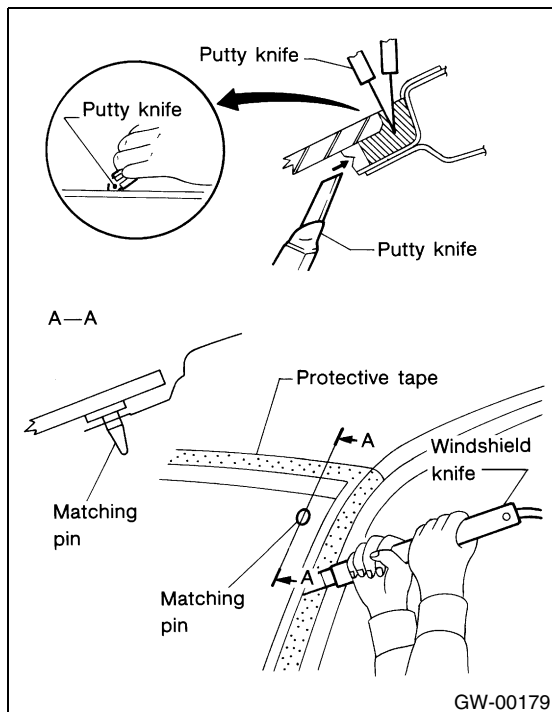
A: REMOVAL

1. USING WINDSHIELD KNIFE

- 1) Remove the cowl panel. <Ref. to EI-34, REMOVAL, Cowl Panel.>
- 2) Remove the glass molding.
- 3) Tape the body side of the circumference of windshield glass for protection.
- 4) Apply the sufficient amount of soapy water to the adhesive layer.
- 5) Insert the windshield knife into the adhesive layer.
- 6) While holding the knife edge and windshield glass edge at a right angle, move the windshield knife in parallel to the windshield glass edge along face and edge of windshield glass to cut the adhesive layer.

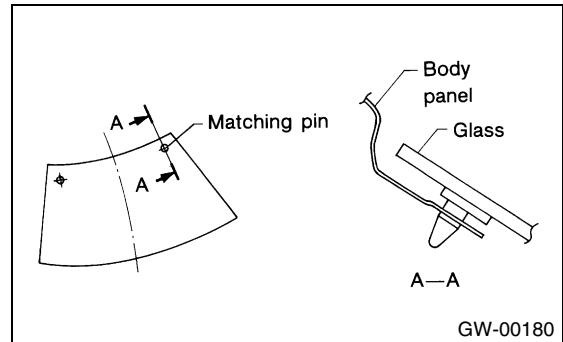
CAUTION:

- Do not twist windshield knife.
- Cutting of adhesive layer shall be started with wider gap between windshield glass and body.



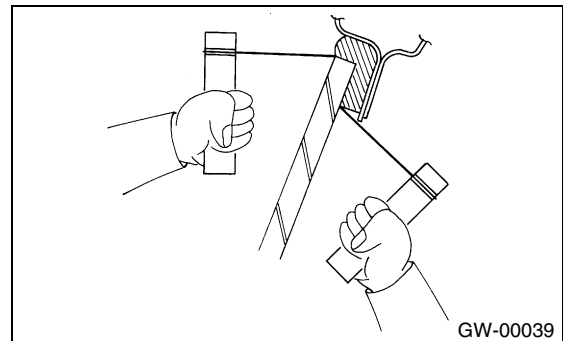
NOTE:

Because the matching pins are bonded to the corners of glass, use piano wire to cut the pin.



2. USING PIANO WIRE

- 1) Remove the cowl panel. <Ref. to EI-34, REMOVAL, Cowl Panel.>
- 2) Remove the roof molding and upper front molding.
- 3) Tape the body side of the circumference of windshield glass for protection.
- 4) Make a hole in the adhesive layer using drill or knife.
- 5) Pass the piano wire through the hole, and attach securely both the wire ends to pieces of wood.



- 6) Pull the wire ends alternately to cut off the adhesive layer.

CAUTION:

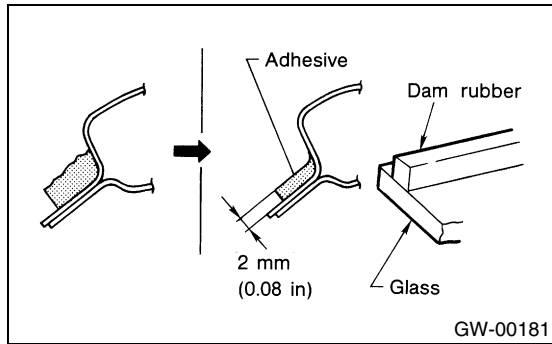
- Do not tightly pull the piano wire against the windshield glass edge.
- Be careful not to damage interior and exterior parts.
- When removal is made with area close to instrument panel, place a protection plate over it. Pay particular attention to the removal.
- Do not cross piano wires. Otherwise they may be cut.

B: INSTALLATION

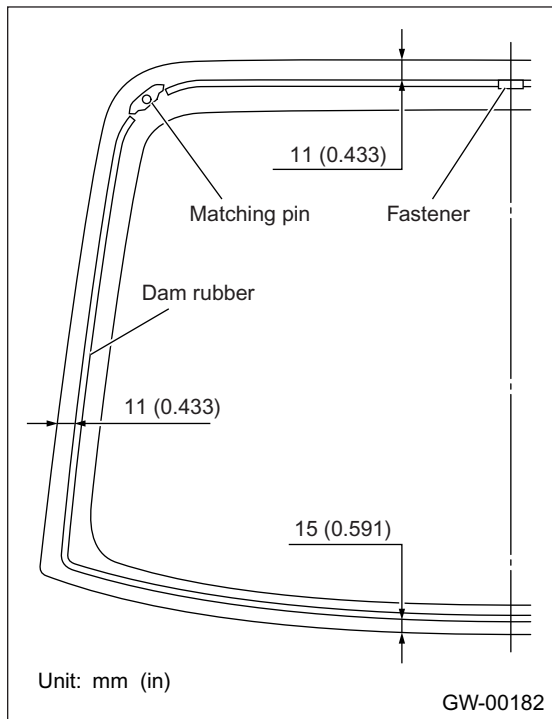
- 1) Clean the external circumference of windshield glass with alcohol or white gasoline.
- 2) Remove the adhesive layer on the body using cutter knife to obtain smooth face 2 mm (0.08 in) thick.

CAUTION:

Be careful not to damage the body and paint surface.

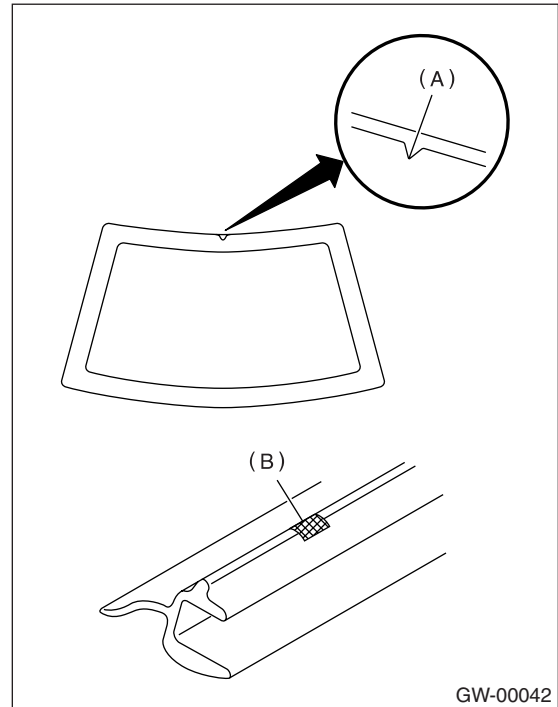


- 3) Clean the body with alcohol or white gasoline to remove thoroughly chips, dusts, and dirt from the body face.
- 4) Place the glass on body.
- 5) Adjust the glass position to make uniform clearance between body and glass in four corners.
- 6) Bond the matching pins and dam rubber.



- 7) Remove the glass from body.

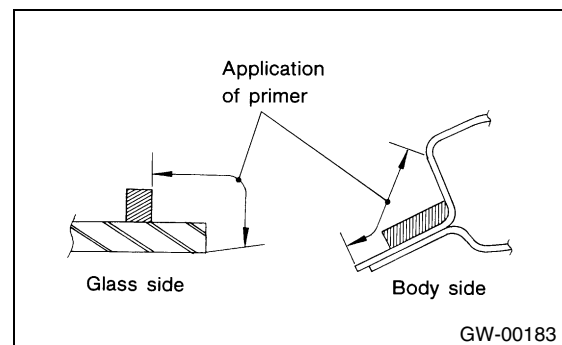
- 8) Fit the molding mark (B) to notch (A).



- 9) Apply the primer to the adhesive layer of glass using sponge.
- 10) Apply the primer to the adhesive layer of body.

CAUTION:

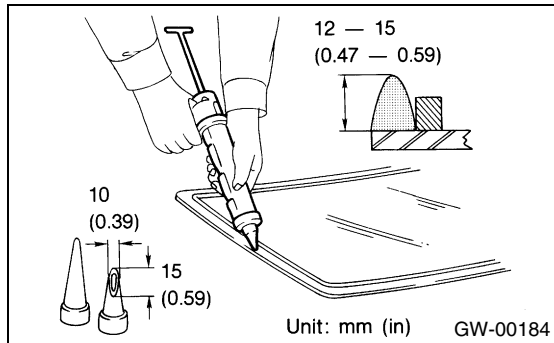
- Primer once attached to the painted surface of the body and internal trim is hard to wipe off. Mask the circumference of such areas.
- Let primer dry for about ten minutes before installing the glass.
- Do not touch surface coated with primer.



WINDSHIELD GLASS

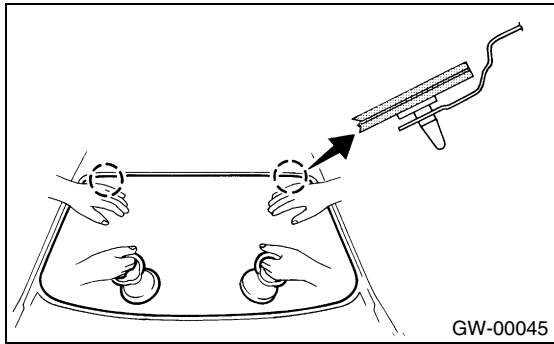
GLASS/WINDOWS/MIRRORS

11) Cut off the cartridge nozzle tip and set it in sealant gun as shown.



12) Apply the adhesive to the glass end surface as shown.

13) Fit the matching pins using suction rubber cup to install windshield glass.



14) Lightly press the windshield glass for tight fit.

15) Make the adhesive surface flush using spatula.

CAUTION:

- When door is opened/closed after glass is bonded, always lower door glass and then open/close it carefully.
- Move vehicle slowly.

16) After completion of all work, allow vehicle to stand for about 24 hours.

NOTE:

For minimum drying time and time the vehicle must be left standing before driving after bonding, follow instructions or instruction manual from the adhesive manufacturer.

17) After curing of adhesive, pour water on external surface of vehicle to check that there are no water leaks.

CAUTION:

When a vehicle is returned to the user, tell him or her that the vehicle should not be subjected to heavy impact for at least three days.

18) Install the cowl panel. <Ref. to EI-34, INSTALLATION, Cowl Panel.>