

SECTION 6

BODY SERVICE

GENERAL DESCRIPTION	6 — 277
ON-CAR SERVICE	6 — 279
Front Door, Rear Door	6 — 279
Glass	6 — 280
Door Handle Lock	6 — 282
Door Lock	6 — 283
Front Window Glass	6 — 285
Quarter Window Glass	6 — 290
Body Dimensions	6 — 291
Sealant Apply Point	6 — 295

GENERAL DESCRIPTION

A body built up by frameless monocoque structure is integrity from body side panel to roof side to reduce weight as well as to increase rigidity. Wheel base is lengthened and engine room is arranged compactly to get a maximum room area.

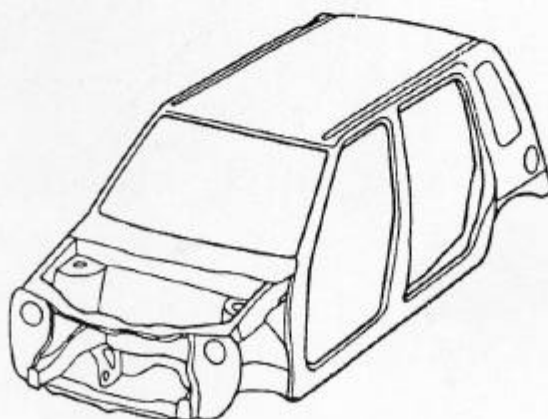


FIG. 6 — 1 BODY ASSEMBLY

FRONT DOOR

Door Stopper

Smoothly controlled two-stage door stopper is equipped in this car.

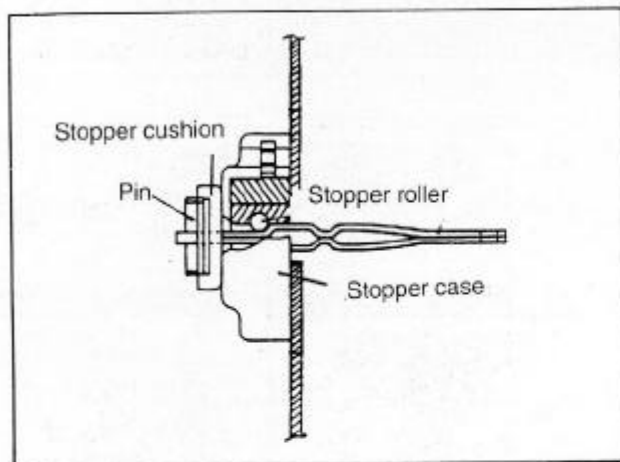


FIG. 6 — 2

Window Regulator

X arm type regulator is employed in front door.

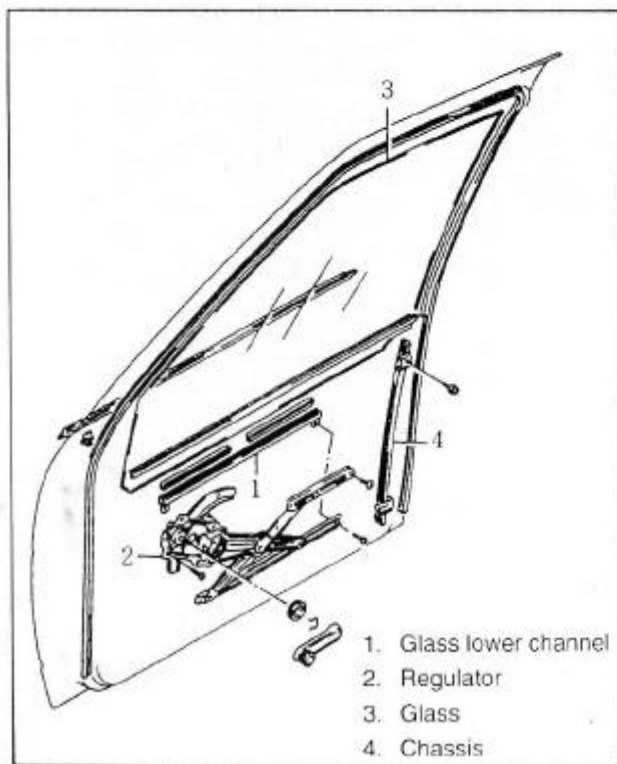


FIG. 6 — 3

Door Lock

Locking sound is improved by attaching the resin cover to lock cam.

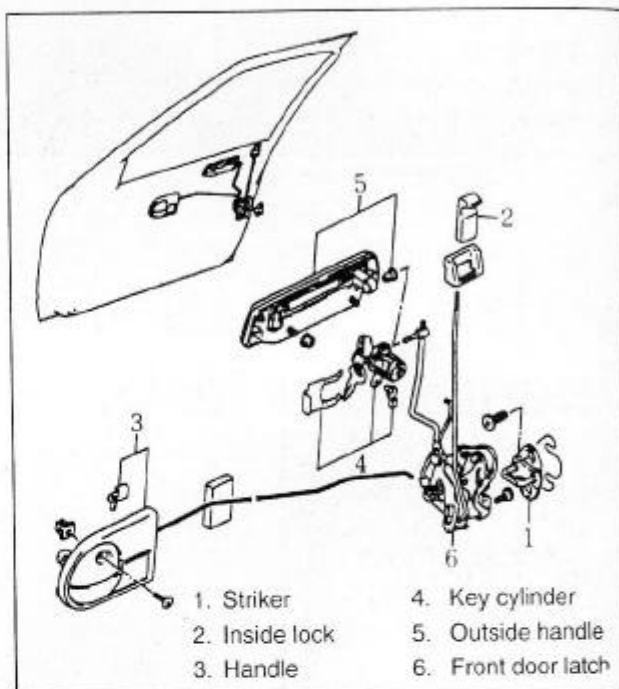


FIG. 6 — 4

Making into fresh surface is planed by applying the glass run channel type.

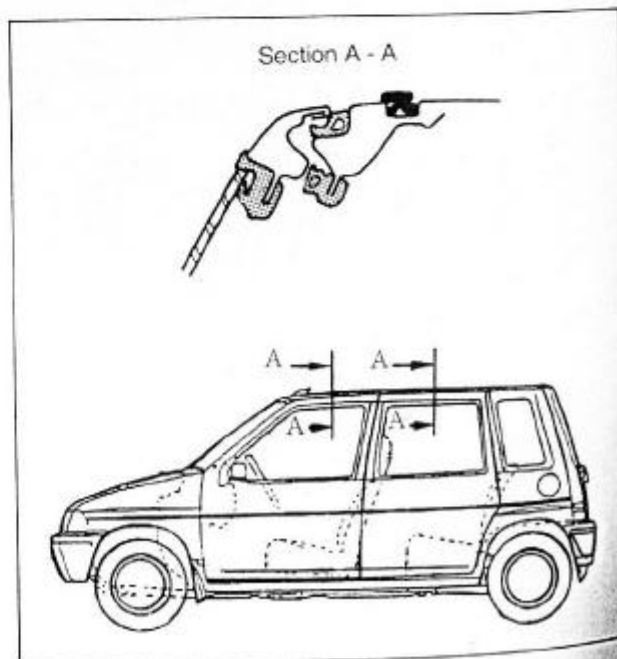


FIG. 6 — 5

ON-CAR SERVICE

FRONT DOOR, REAR DOOR

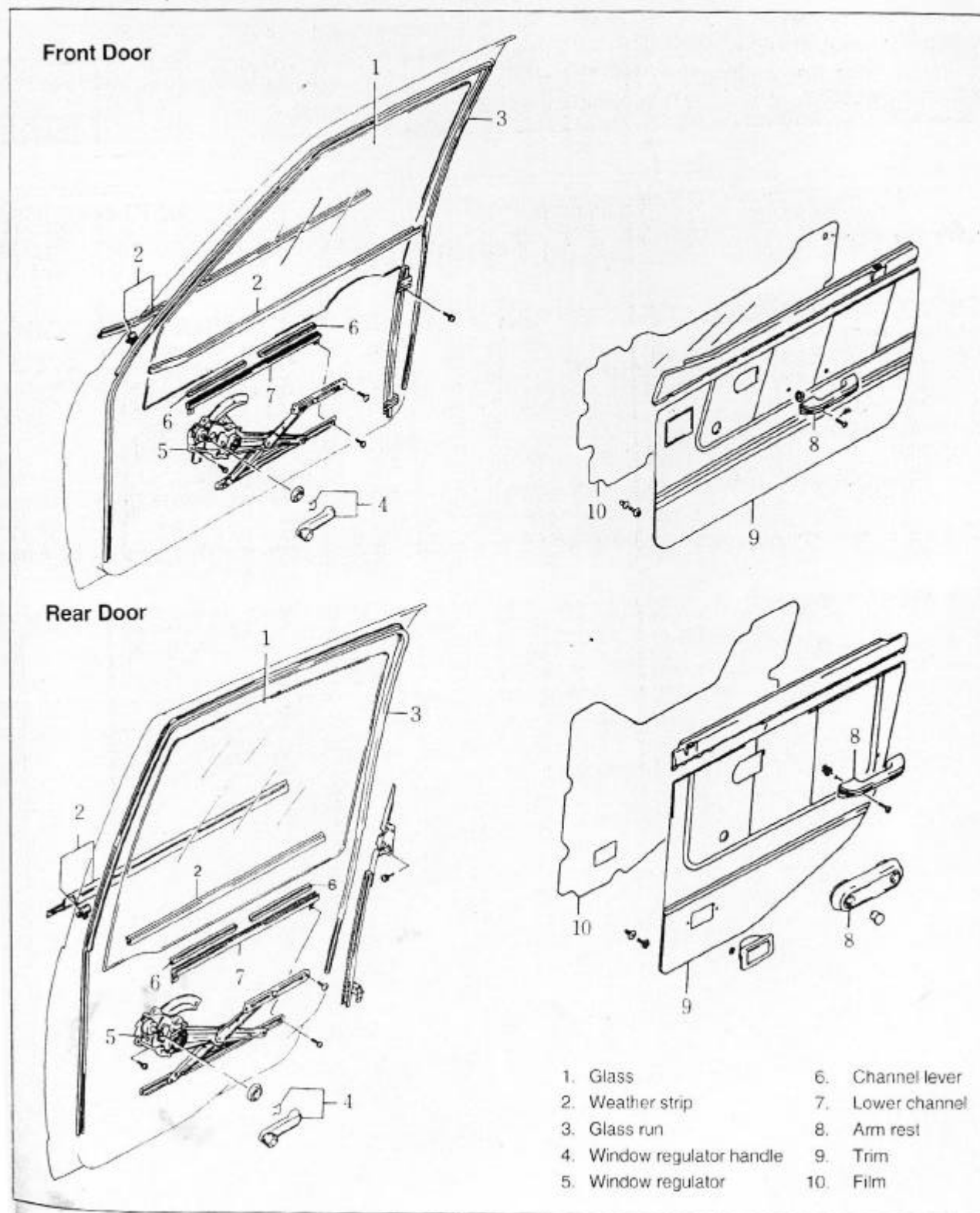


FIG. 6 — 6 FRONT DOOR, REAR DOOR COMPONENT

GLASS

Removal

Remove following parts.

1. Door inside handle attaching screw
2. Arm rest
3. Window regulator handle for its removal, pull off snap ring by using a rag or towel as shown below.

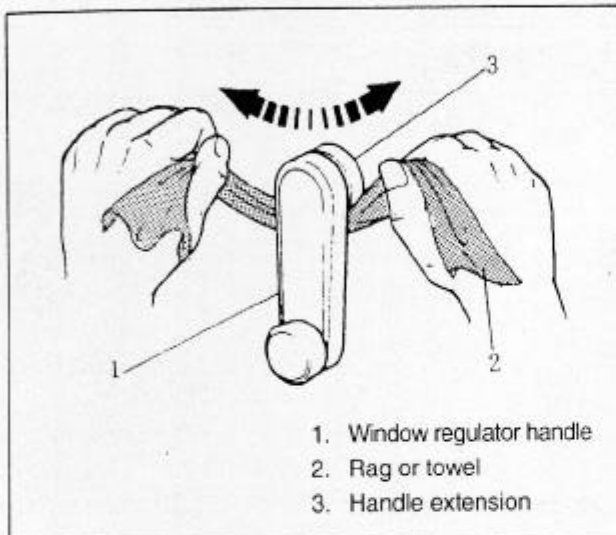


FIG. 6 — 7 REGULATOR HANDLE REMOVAL

4. Door trim
5. Waterproof film
6. Glass channel

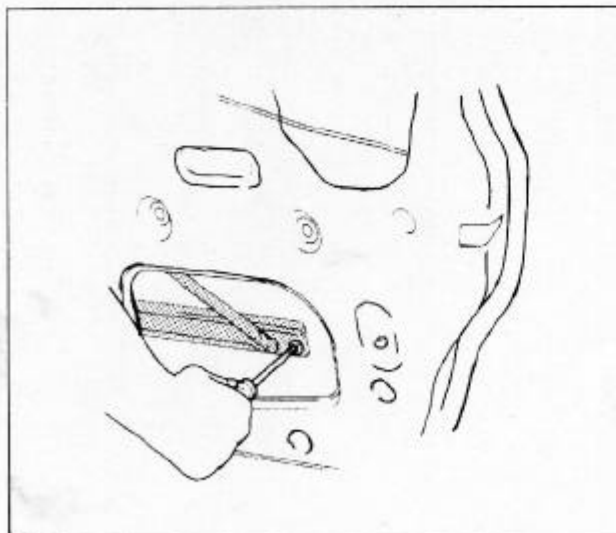


FIG. 6 — 8 GLASS CHANNEL REMOVAL

7. Remove glass.

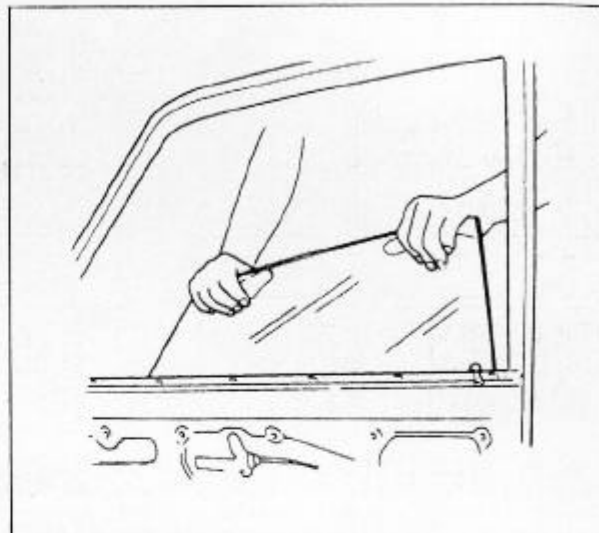


FIG. 6 — 9 GLASS REMOVAL

Assembly, Installation

It is the reverse of removal procedures. Take care of the followings.

- When attaching glass channel to glass, install it so that measurements are shown below.

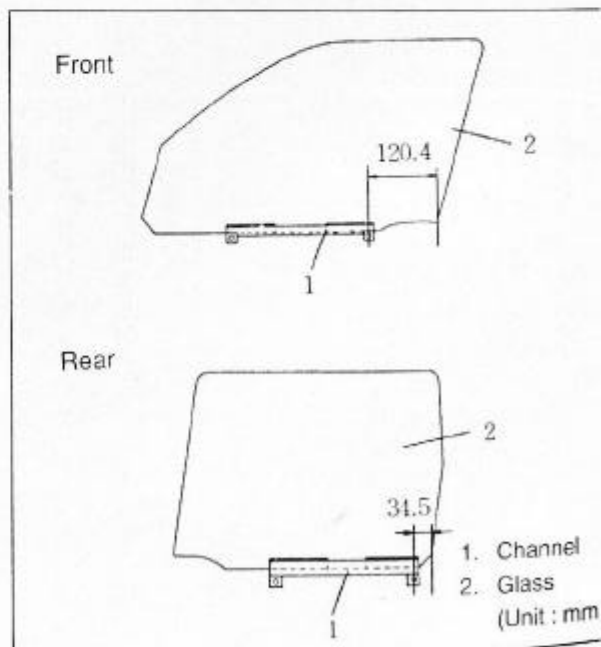


FIG. 6 — 10 GLASS CHANNEL INSTALLATION

- When installing door window glass, make sure that glass is securely fixed in front and rear chassis.

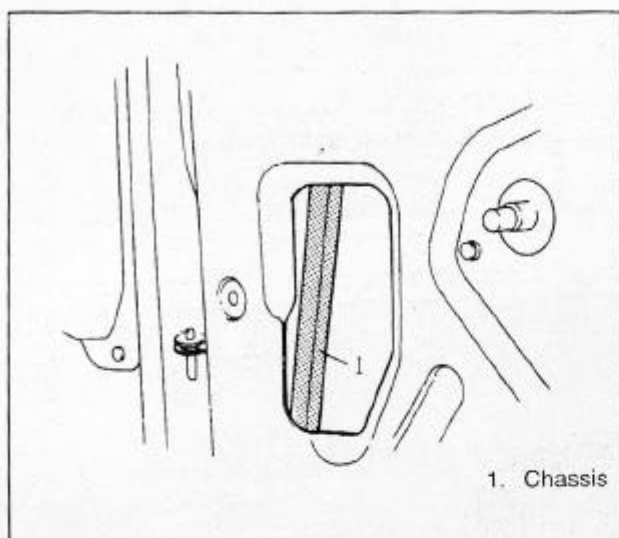


FIG. 6 — 11

- Install door window regulator handle so that the angle is as shown below when glass is fully lowered.

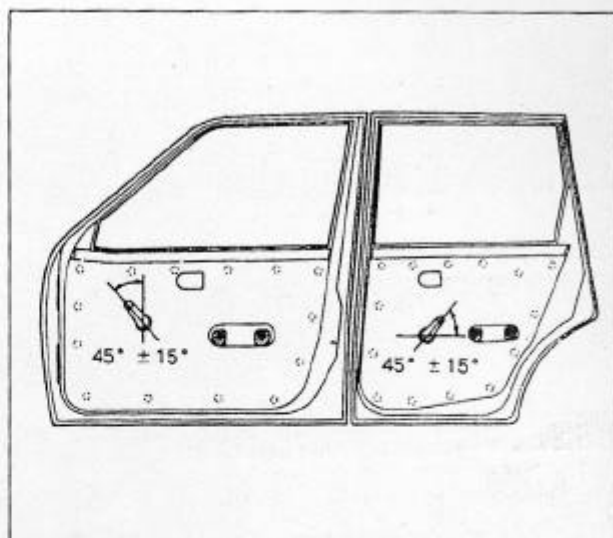
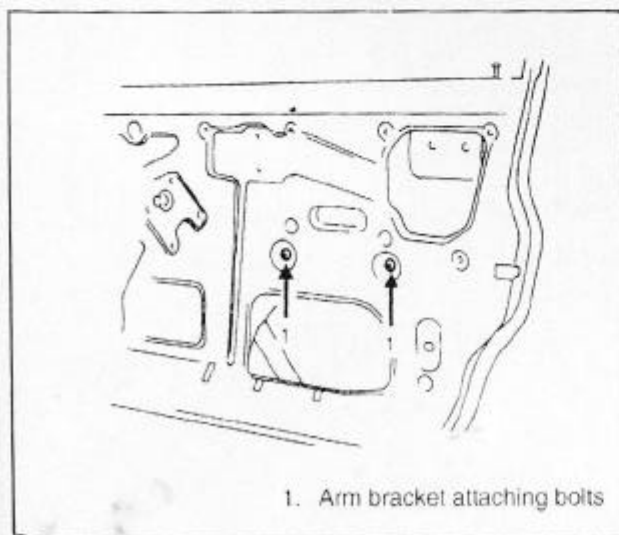


FIG. 6 — 13 REGULATOR HANDLE ATTACHMENT

- When attaching window glass to door regulator, install it when regulator is fully lowered.
- Correct door window glass inclination by loosening the arm bracket removing bolt and moving up and down.

FIG. 6 — 12 DOOR WINDOW GLASS
INCLINATION ADJUSTMENT

DOOR HANDLE LOCK

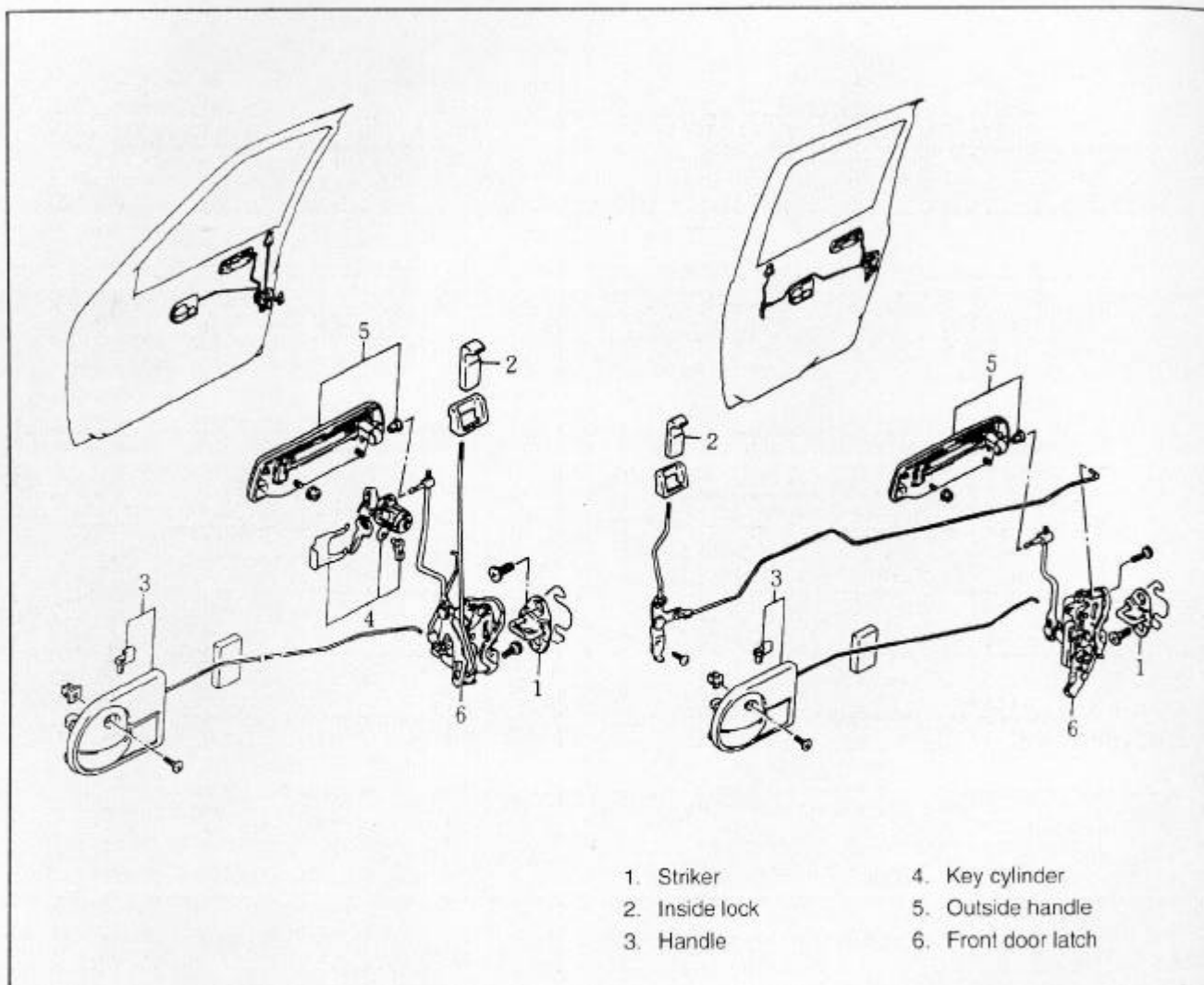


FIG. 6 — 14 DOOR LOCK COMPONENTS

DOOR LOCK

Adjustment

When disconnecting adjusting joint from door outside handle, turn adjusting joint so that door lock assembly clearance "A" is to be 0-2 mm.

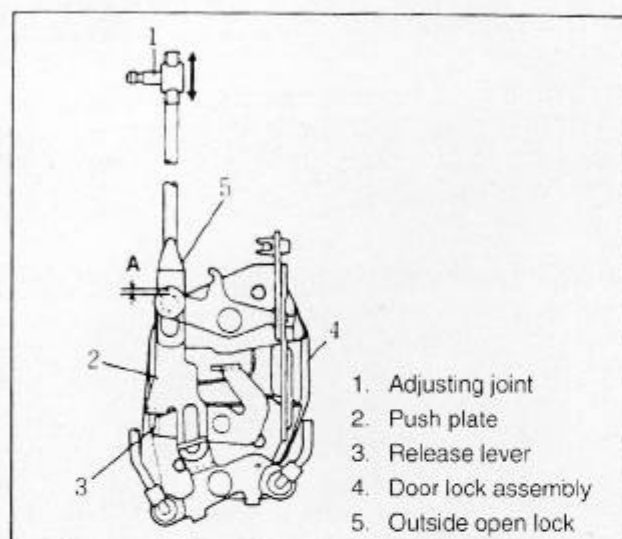


FIG. 6 — 15 ASSEMBLY, INSTALLATION OF ADJUSTING JOINT

When installing door inside handle, install it so that inside open lever to push lever clearance "B" is to be 0-2 mm.

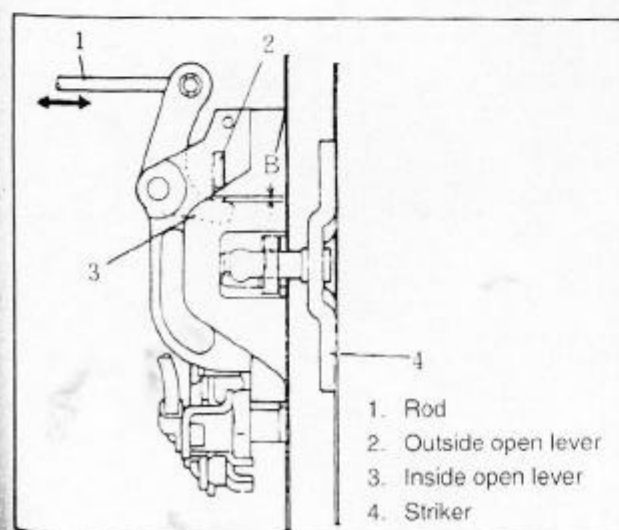


FIG. 6 — 16 DOOR INSIDE HANDLE ATTACHMENT

Adjust striker attachment position so that striker is located at the center of door lock base.

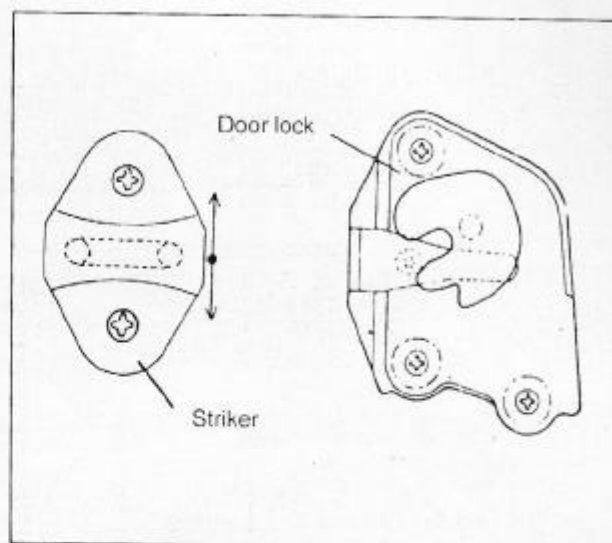


FIG. 6 — 17 STRIKER ATTACHMENT POSITION

Adjust striker height with spacers so that clearance between door lock and striker "C" area is to be about 12.6 mm.

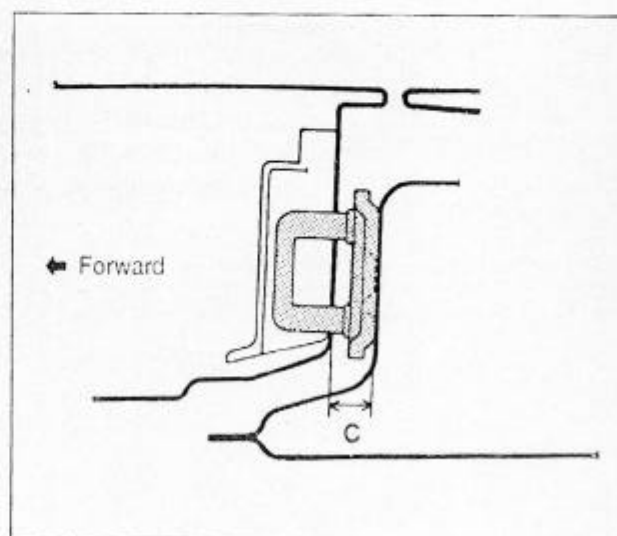


FIG. 6 — 18 STRIKER HEIGHT ADJUSTMENT

Attachment of each rods is performed by inserting pin and by closing the pin opening.

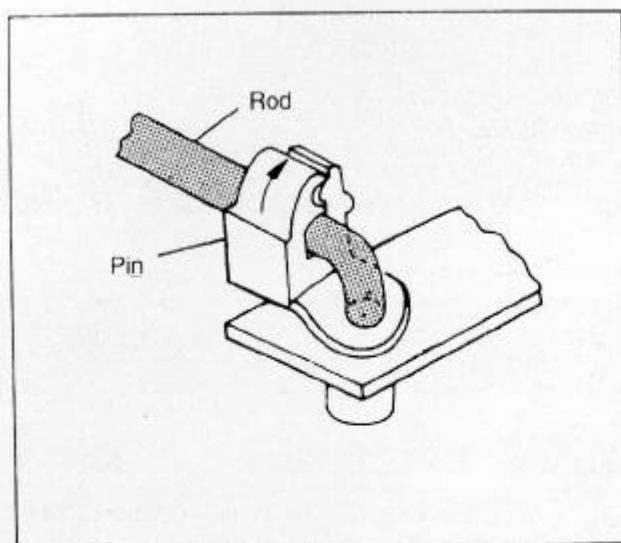


FIG. 6 — 19 ROD ATTACHMENT

FRONT WINDOW GLASS

As window glass is installed only with adhesive, the selection of adhesive is very important. Make sure to use adhesive in SR seal set for window glass adhesion.

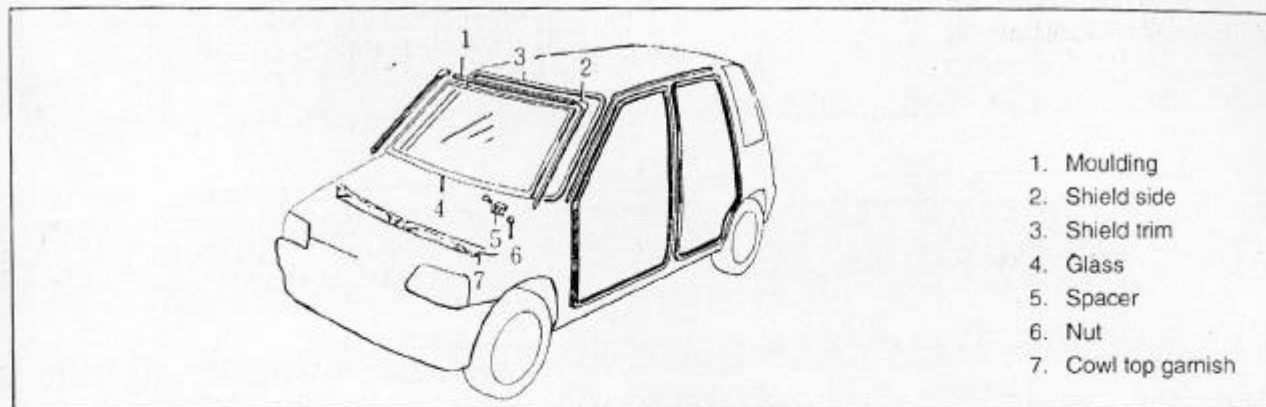


FIG. 6 — 20 FRONT WINDOW GLASS INSTALLATION

CAUTION

- The available limit of SR seal, primer is 3 months since it made in. Do not use it because its performance is reduced if exceeds the available period.
- Store SR seal and primer to dark-cold place
- Use SR seal within 5 minutes, after opening and apply primer within 1 hour after opening (once opening restore is impossible.).
- Use new brush for primer No.35(for glass) No.67(for body) and No.38(for moulding) and do not mix.

Use an adhesive of above mentioned type which has following property.

Shearing strength	40kg/cm ² and more
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Adhesive materials and tools required for replacement of front window glass

- SR seal set : 99000-34130
- Adhesive : Urethane sealant U-80
- Primer for glass : 35
- Primer for body : 67
- Primer for moulding : 38
- Brush for primer application (3 pcs)

- Plastic nozzle (2 pcs)
- Corking gun (for filling adhesive)
- Eyelet
- Piano string
- Knife
- Rubber sucker grip
- White gasoline
- Tape

Removal

1. Detach wiper arms, cowl top garnish and accessories.
2. Clean glass and its adjacent surface with white gasoline (both inner and outer surfaces of room).
3. Remove moulding.
4. Using tape, cover body surface around front window glass (to prevent from damage).
5. Remove room mirror and window glass trim.

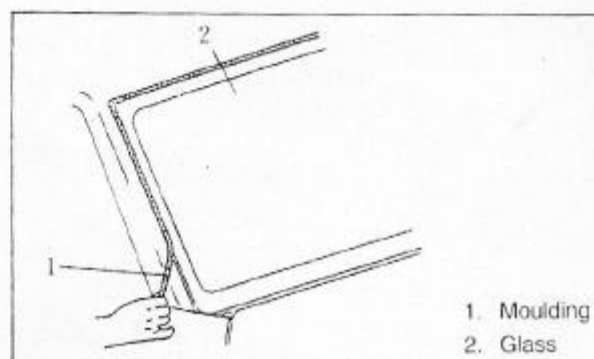


FIG. 6 — 21

6. Drill hole with eyeleteer through adhesive and let piano string through it.

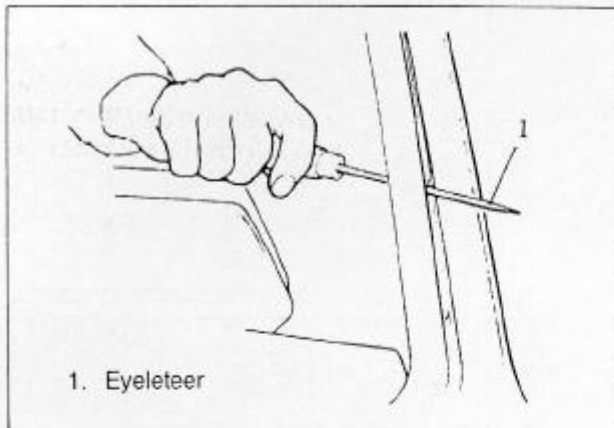


FIG. 6 — 22

7. Cut adhesive all around front glass with piano string.

CAUTION

Cut adhesive as close to glass as possible so as to prevent damage to body.

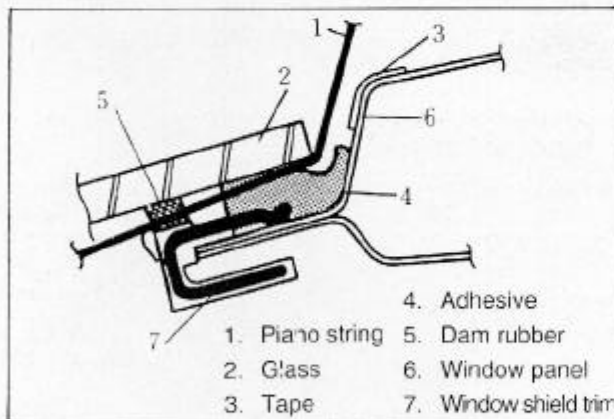


FIG. 6 — 23

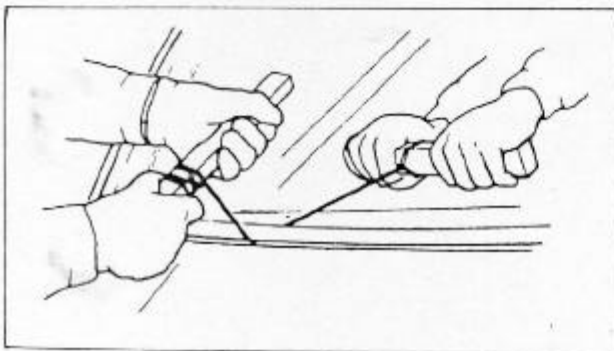


FIG. 6 — 24

8. Cut adhesive on body side and finish remaining adhesive evenly with knife so that it is 1-2mm thick all around.

CAUTION

Before using knife, clean it with white gasoline to remove oil from it.

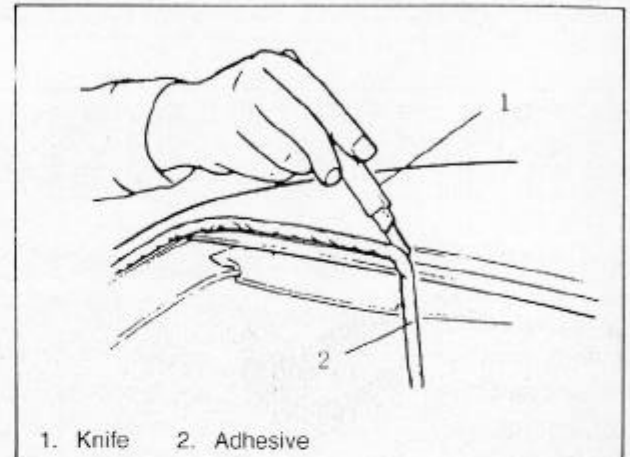


FIG. 6 — 25

9. When re-using window glass remove adhesive from glass using care not to damage primer coated surface.

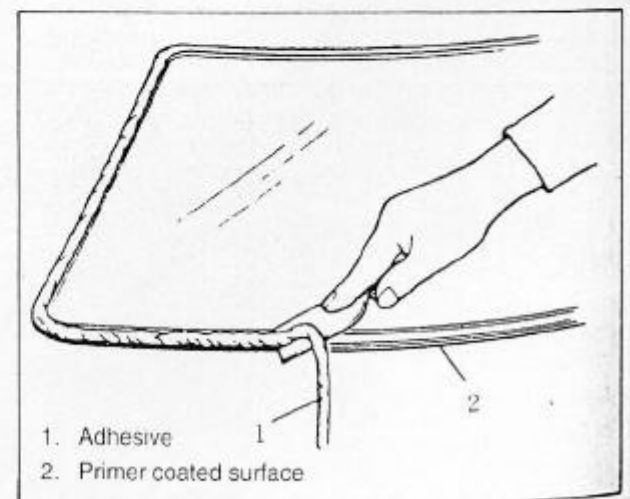


FIG. 6 — 26

Installation

1. Using white gasoline, clean surface in which mated with window glass and body and let it dry (for more than 10 minutes).
2. Install side moulding to glass.
3. Install shield trim to body.

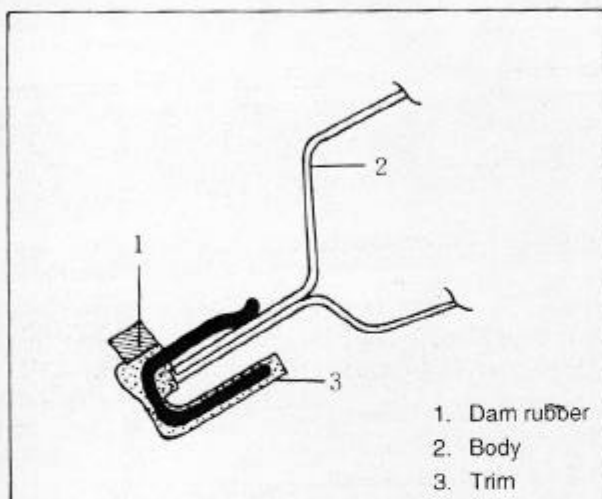


FIG. 6-27

4. Install two glass stoppers as shown.

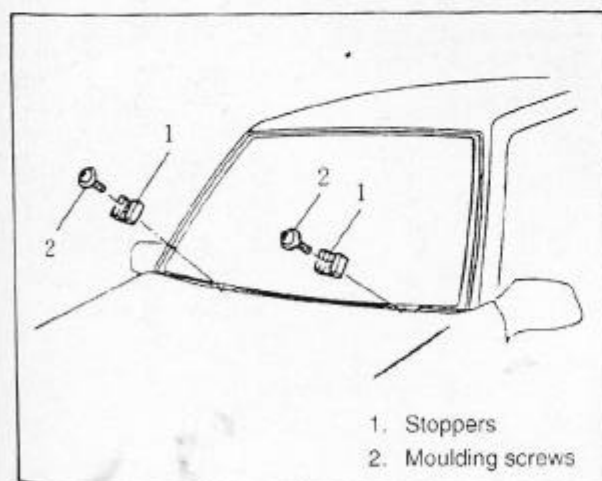


FIG. 6-28

5. To determine installing position of glass to body position glass against body so that clearance between upper and lower or each side end(right & left) of glass and body are even. Then mark mating marks on glass and body as shown.

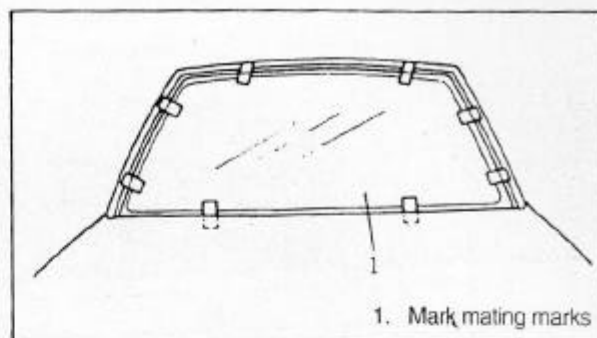


FIG. 6-29

6. Using new brush, apply sufficient amount of primer for body to body surface where windshield is to be adhered.

CAUTION

Be sure to refer to marker instruction for proper handling and drying time.

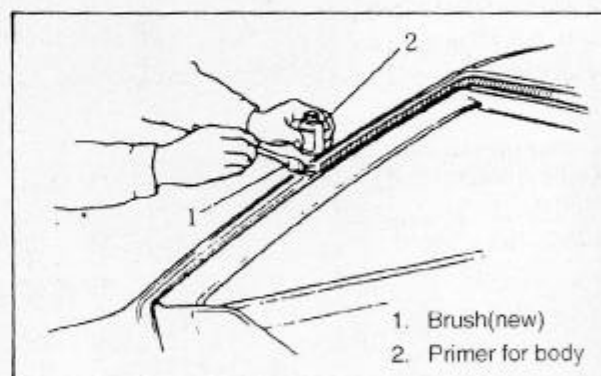


FIG. 6-30

7. Clean glass surface to be adhered to window with clean cloth. If white gasoline is used let it dry for more than 10 minutes.
8. Using new brush apply sufficient amount of primer for glass to glass surface to be adhered to window.

CAUTION

Keep cleaned glass and body surface free from water, oil and dust, also make sure not to touch with hands.

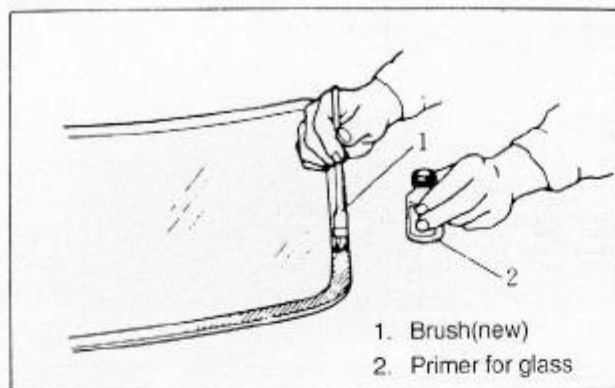


FIG. 6 — 31

9. Apply adhesive along glass surface.

CAUTION

- After applying primer let it dry for more than 10 minutes. Then start to apply from lower center of glass as shown below.
- Height of adhesive should be maintained more than those shown below.
- Apply adhesive evenly.
- Be careful not to damage to primer coated surface.
- Press glass against body within 5 minutes after applying adhesive.

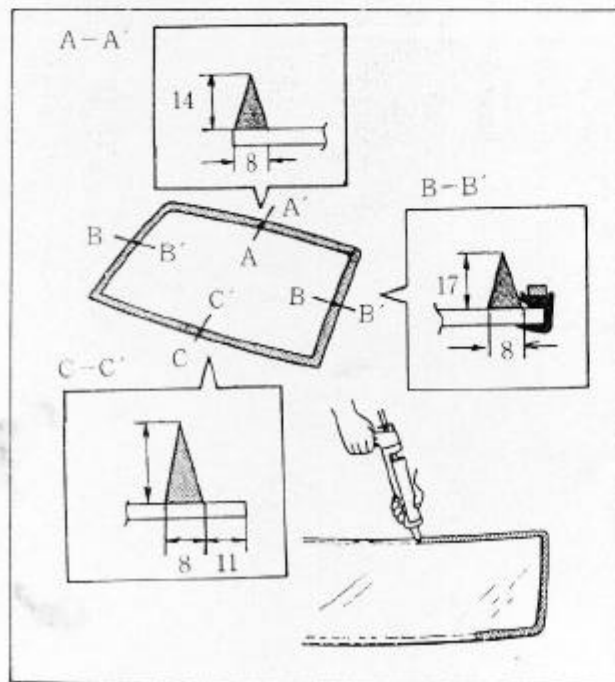


FIG. 6 — 32

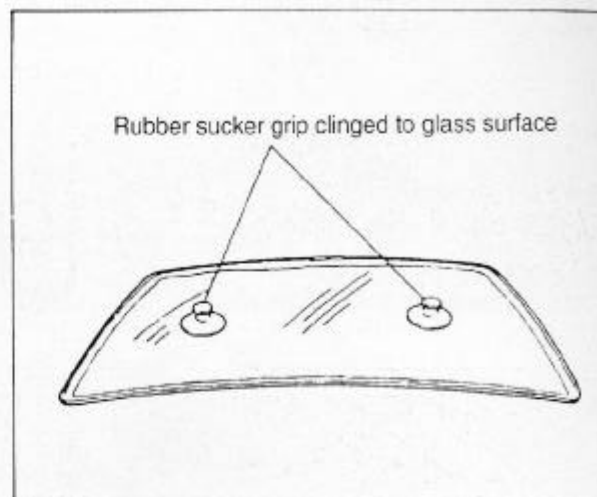


FIG. 6 — 33

10. Peel remaining paper from dam rubber.
11. Holding rubber sucker grips, place glass onto body by aligning mating marks marked in step 5 and press it against body.

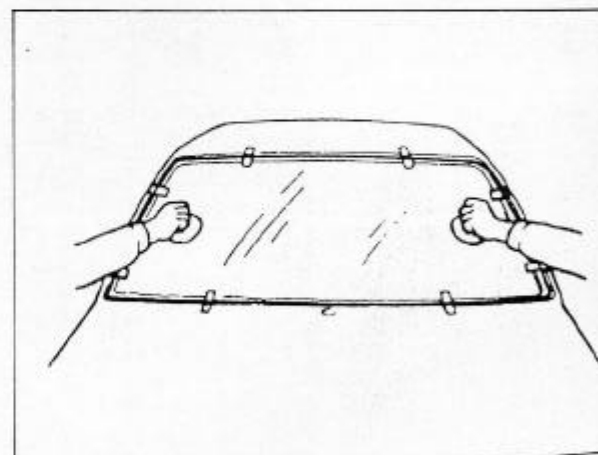


FIG. 6 — 34

12. Exchange cartridge nozzle with nozzle for repair and fill adhesive to insufficient area. Remove excess adhesive with a shoe horn. If adhesive is applied on the body and glass surface remove it with white gasoline.

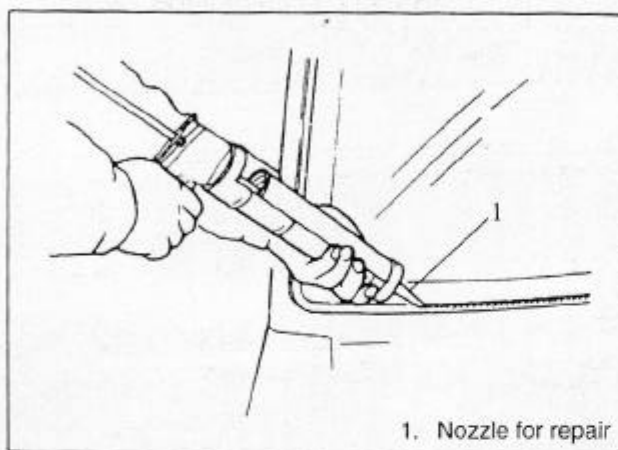


FIG. 6 — 35

13. Install new moulding.

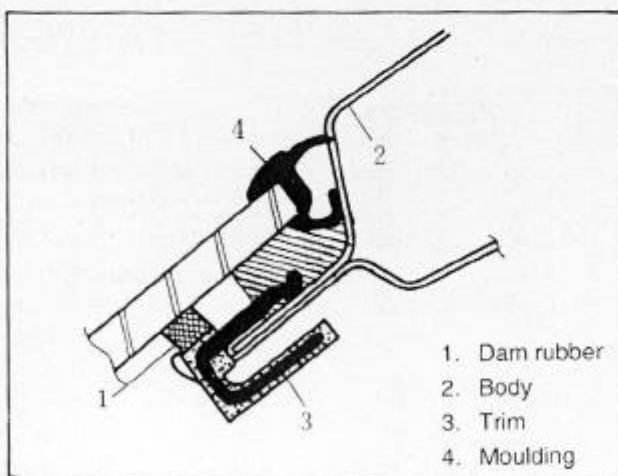


FIG. 6 — 36

14. Check for water leakage by pouring water over window through hose 1 hour after installing. If leakage is found, dry window and fill leaky point with adhesive. If water still leak even after that, remove glass and repeat entire installation procedures.

CAUTION

- Do not use high pressure water.
- Do not blow compressed air directly at adhesive applied part when drying.
- Do not use infrared lamp or the like for drying.



FIG. 6 — 37

CAUTION

Upon completion of installation, note the following.

- Do not open the door.
- Hold moulding down with a tape until adhesive is completely set.
- About 4 hours may be required to cure, do not drive the car within 2 hours.

QUARTER WINDOW GLASS

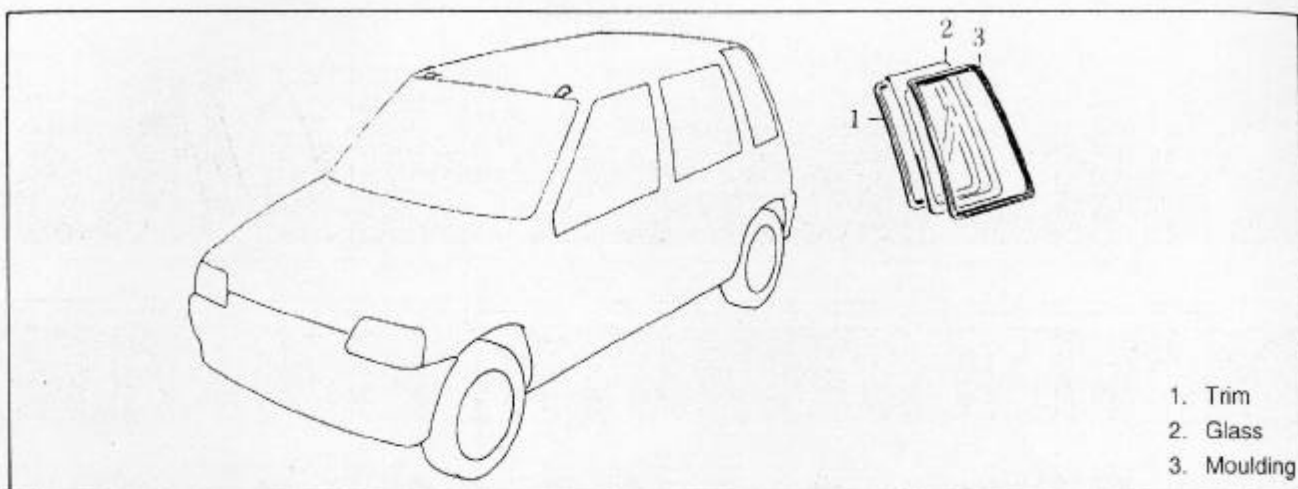


FIG. 6 — 38

Removal and installation of quarter window glass is same as those of front window glass and notice the followings.

- Apply the adhesive as shown in below.

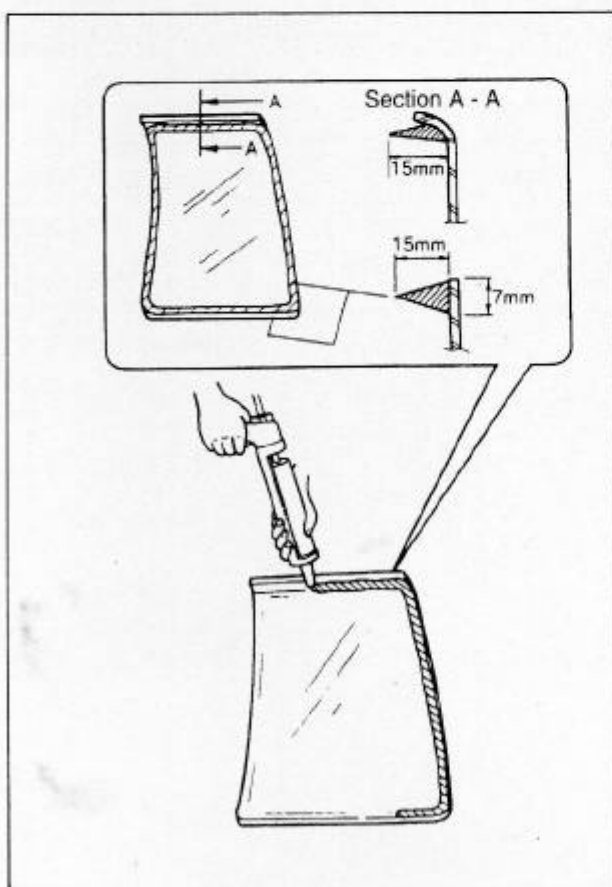


FIG. 6 — 39

BODY DIMENSIONS

Upper Body(Front)

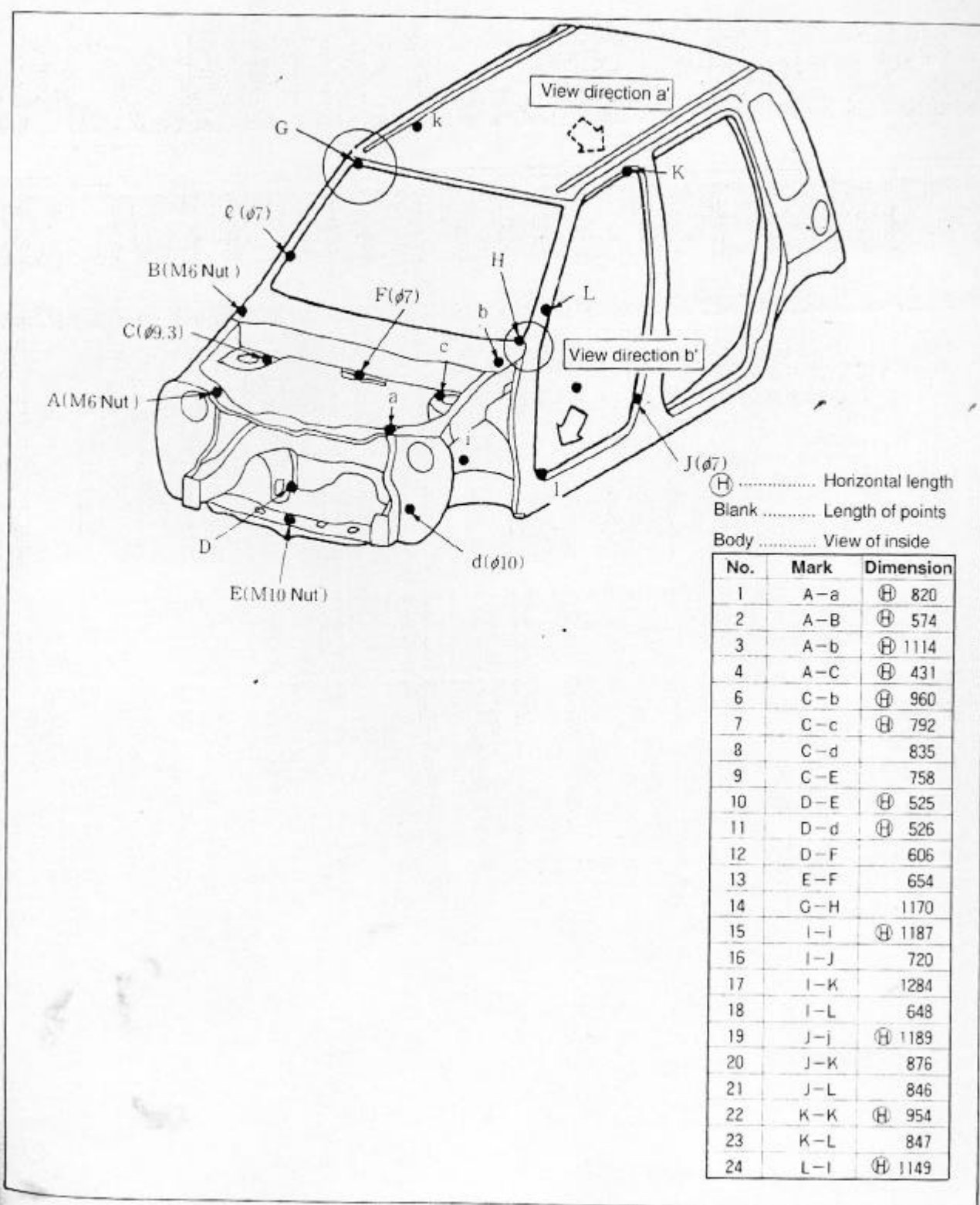
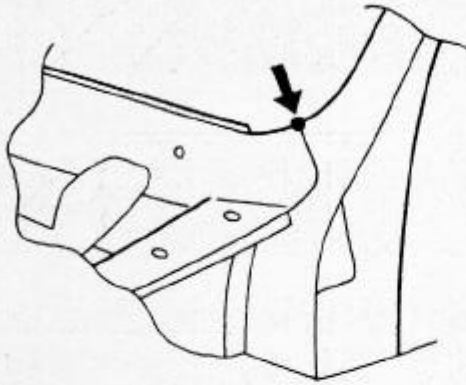
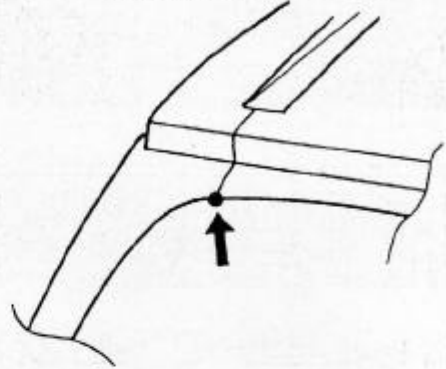


FIG. 6 — 40

H: Upper point of cowl top panel

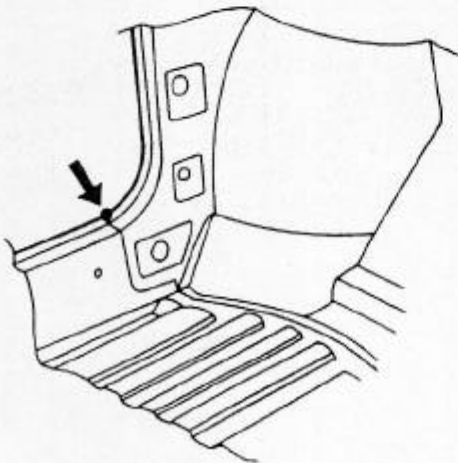


G: Foremost point of roof panel

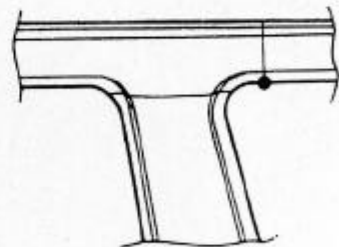


I, View b'

Left foremost point of main floor panel



K, View a'



Upper Body(Back)

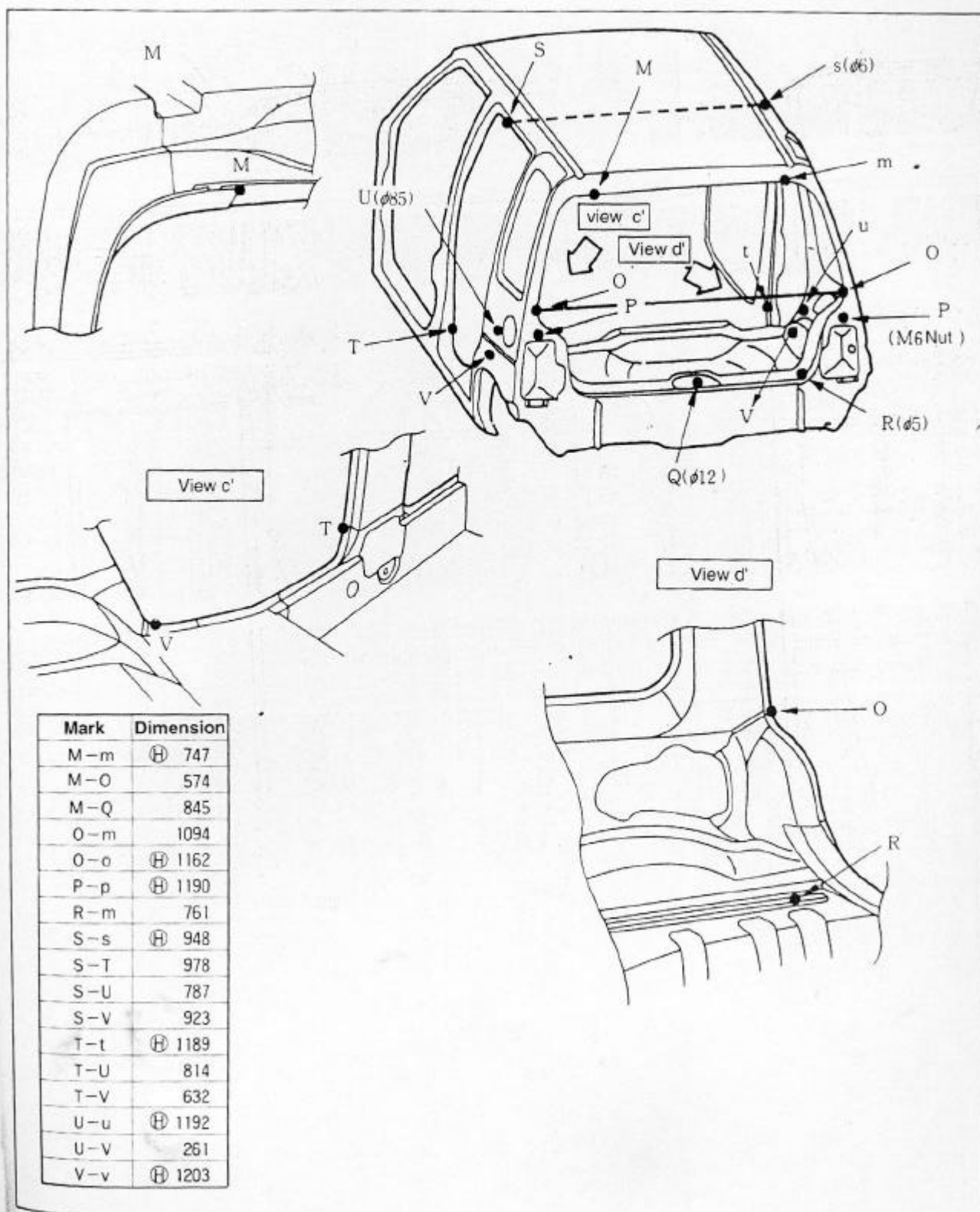


FIG. 6 — 42

Under Body

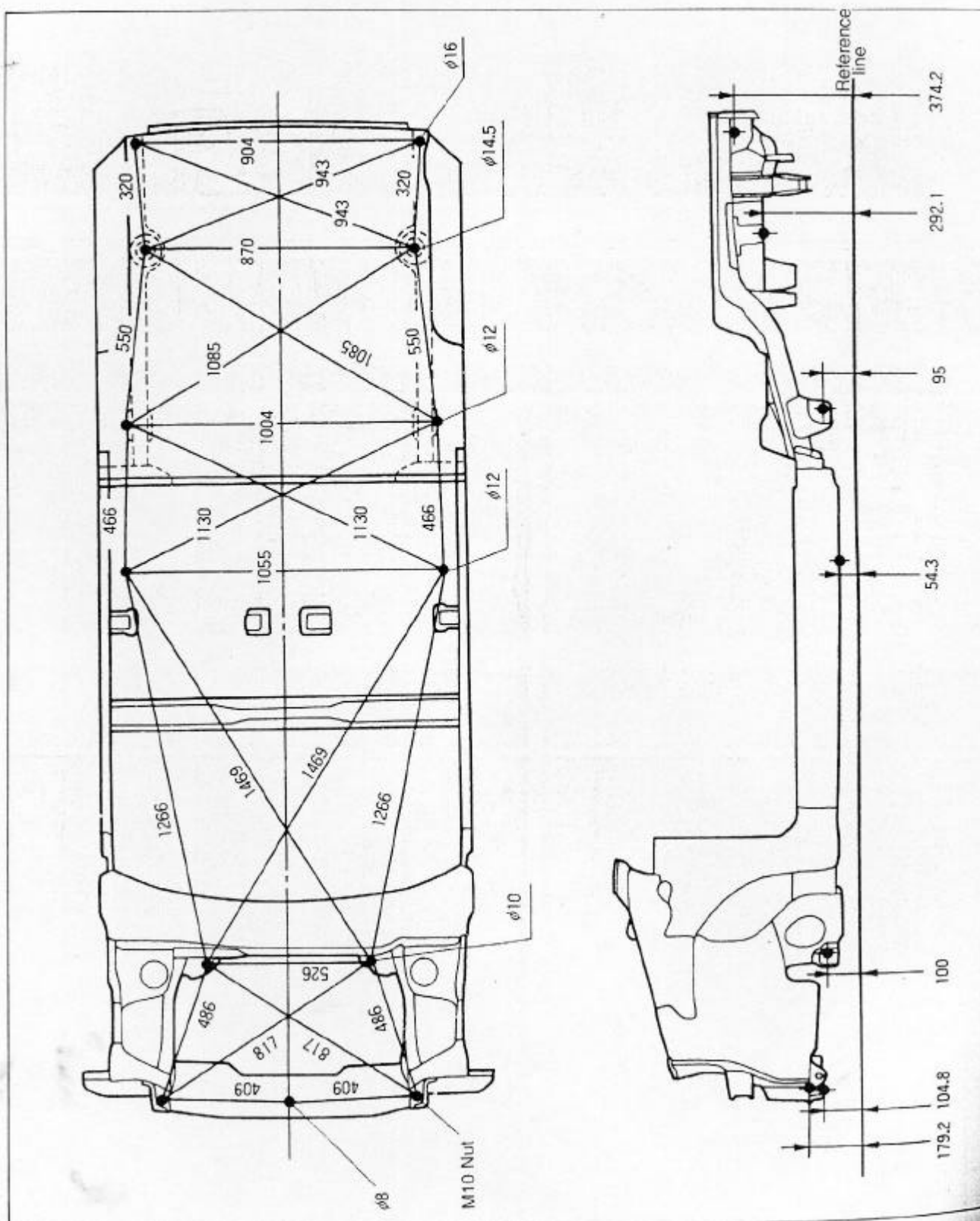


FIG. 6 — 43

SEALANT APPLY POINT

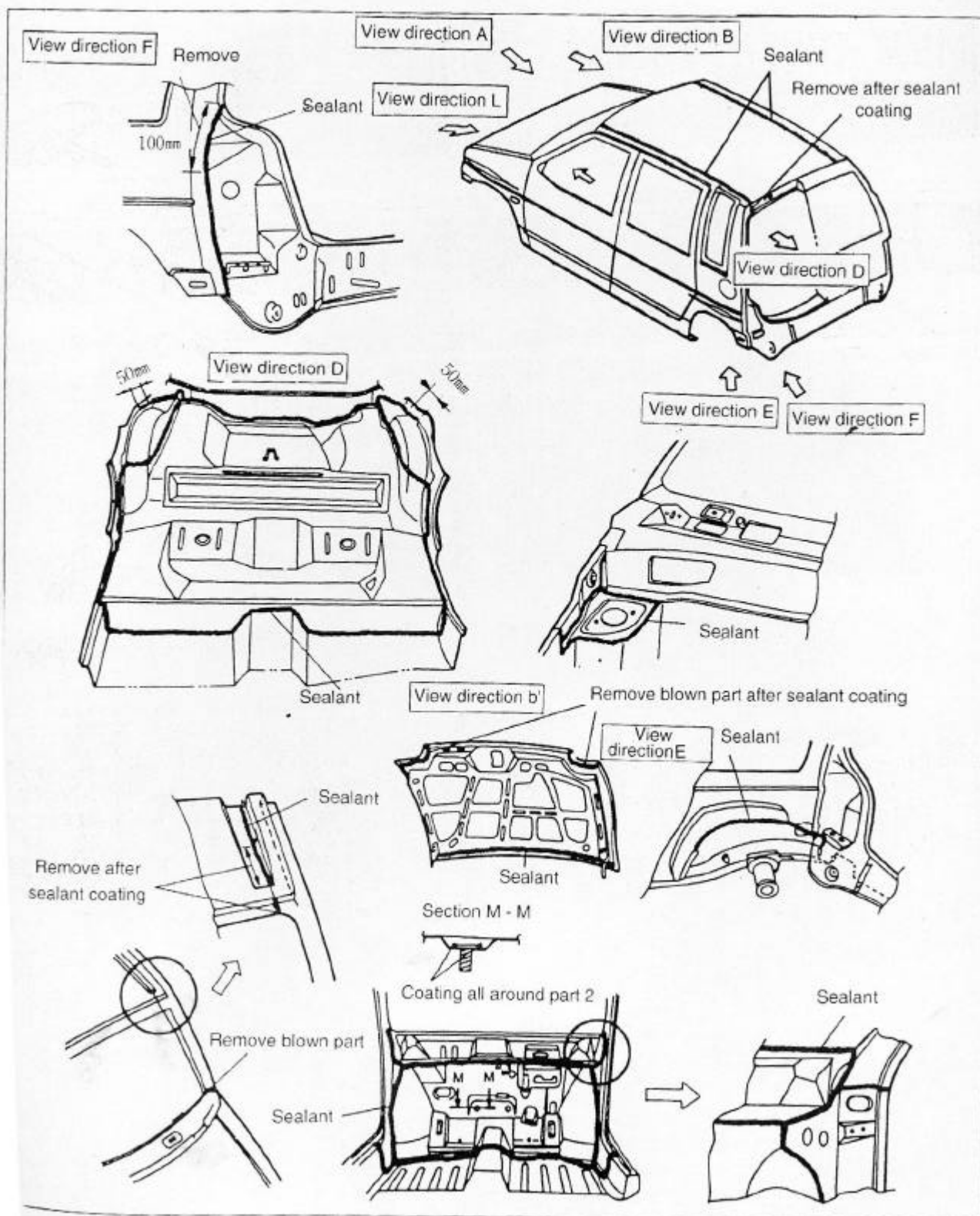


FIG. 6 — 44

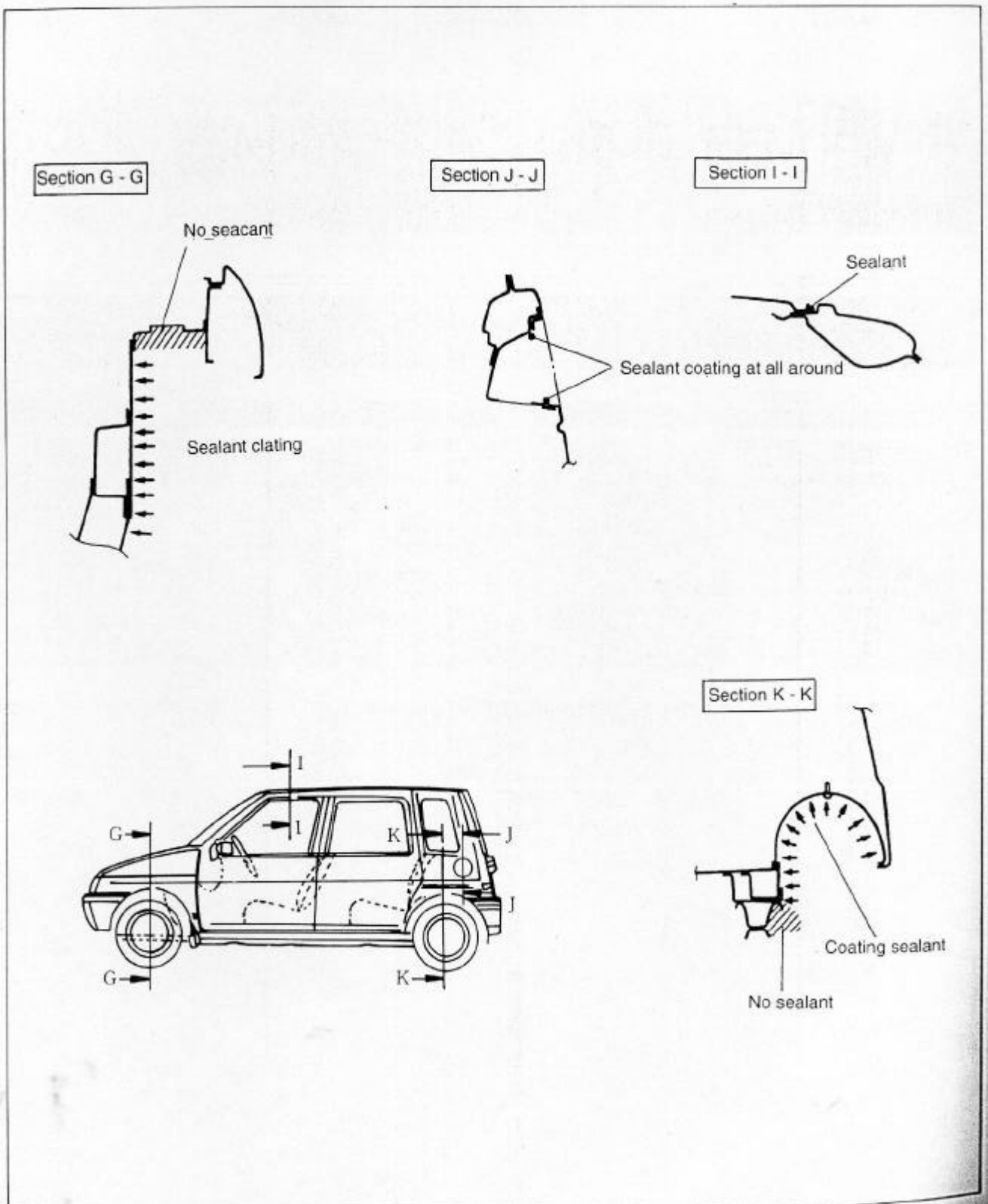


FIG. 6 — 45