# SECTION 5
# ROOF
## INDEX



# FABRIC ROOF COVER (ALL STYLES EXCEPT STATION WAGONS)

## DESCRIPTION

The roof panel fabric cover is a vinyl coated fabric covering applied to the roof panel. The fabric covering is made in sections which are dielectrically joined at the seams.

On certain styles a pad is located between the fabric cover and roof panel. The pad is cemented to the roof panel with nitrile type non-staining cement. The roof panel fabric is cemented around the perimeter only and not to the pad.

On other styles the roof panel fabric is cemented to the entire surface of the roof panel with nitrile type non-staining cement.

The roof panel cover is attached at the windshield and back window opening by drive nails or staples. Drive nails are used at the belt line of the rear quarter area. A flexible retainer secures the fabric cover inside the right and left drip moldings.

**NOTE:** On certain styles where roof panel moldings are utilized, the fabric roof cover is not secured at the windshield opening or inside the roof drip moldings. The retainers utilized to retain the roof panel moldings also secure the fabric roof cover.

Prior to and during removal and installation of fabric roof cover, review Figure 5-1, 5-2, 5-3, 5-4 and 5-5.

Figures 5-1 and 5-2 are applicable for all styles. Figure 5-4 is to be referred to when working on styles not equipped with roof panel moldings. Figure 5-3 is applicable only to styles equipped with a pad. Figure 5-5 should be referred to when working on styles equipped with roof panel moldings.

## REMOVAL

1. The following parts must be removed prior to removing the roof panel fabric cover:
   a. Windshield assembly. (except styles equipped with roof panel moldings)
   b. Roof drip molding scalps. (except styles equipped with roof panel moldings)
   c. Back window assembly.

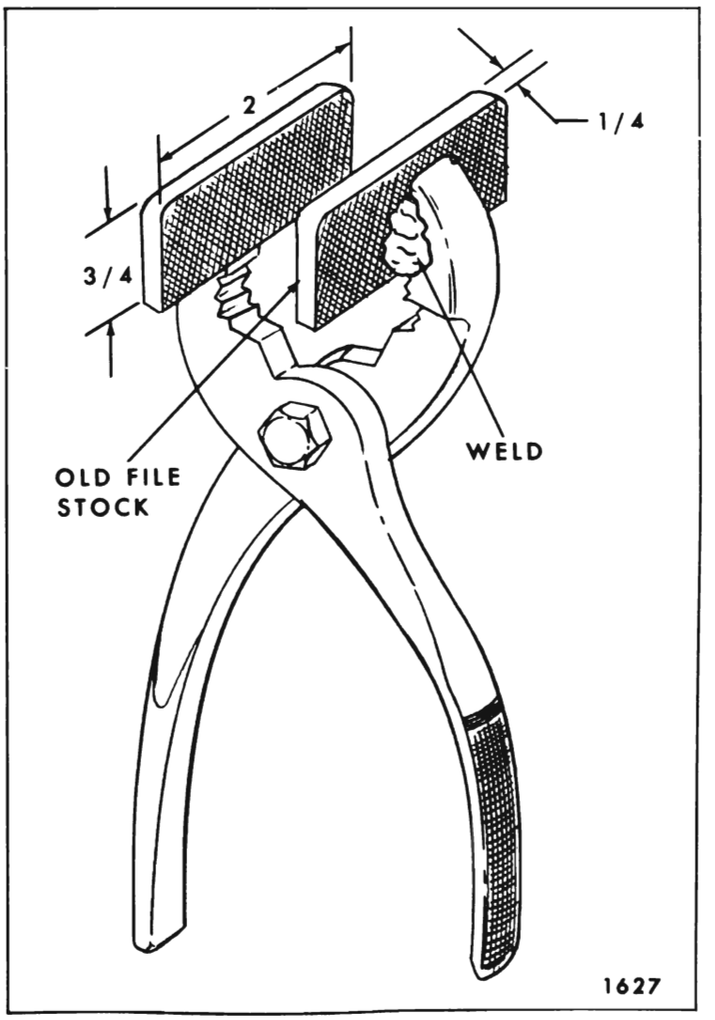


Fig. 5-1—Fabric Cover Pliers

d. Rear quarter belt reveal moldings and rear end belt reveal moldings.

e. Rear extension panel emblem and/or nameplate assembly.

f. All roof panel moldings and molding retainers (on styles so equipped). (View "B", Fig. 5-5).

2. Clean off all excess adhesive caulking material from windshield and back window openings.

3. Remove drive nails and/or staples from edge of fabric cover at windshield, back window openings, and at roof panel extension (at belt).

**NOTE:** Drive nails can best be removed by first driving a screwdriver or suitable tool under the heads of the nails to loosen them. Diagonal cutters or similar tool can then be used to grasp nails and twist them out. Unnecessary enlargement of holes in roof panel should be avoided.

4. Remove flexible retainers securing fabric cover inside right and left drip moldings. (View "C", Fig. 5-4). The retainers may be removed by inserting tip of screwdriver or similar tool under retainer at front of drip molding. While exerting slight outward force on drip molding with pliers, disengage fingers of retainer from drip molding flange. Do not damage drip molding. New retainers are to be used when replacing fabric cover.

**NOTE:** On styles equipped with roof panel moldings, front and side retainers are to be removed by first removing spring clips from weld-on studs. (View "B", Fig. 5-5).

5. Prior to removing fabric cover, application of heat to cemented areas will permit easier loosening of cemented edges.

**CAUTION:** Heat may be applied by lamps held 18" (minimum) from fabric only until fabric is warm. If lamps are held too close or fabric cover is heated over 200°F, the fabric may lose its grain, blister, or become very shiny.

6. Loosen cemented edges of fabric roof cover at windshield, side roof rails, back window, and rear quarter areas; then, carefully remove fabric cover from remaining cemented area of roof panel.

**IMPORTANT:** On styles where a pad is present, exercise care when removing fabric cover so pad will not be damaged.

7. On styles equipped with pad, inspect padding and, if necessary, replace damaged area. Padding may be removed by applying xylol solvent such as 3M Adhesive Cleaner, or equivalent to affected area. Allow solvent to dissolve adhesive and remove padding. Exercise care to avoid softening of roof panel paint finish.

8. Replace pad by cementing pad to roof panel with nitrile vinyl trim adhesive.

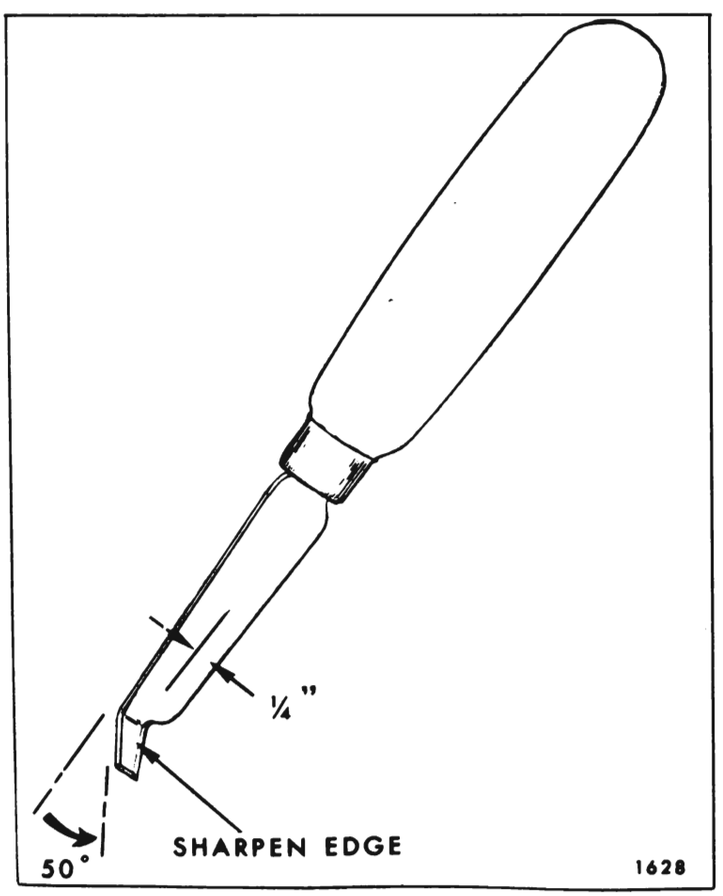


Fig. 5-2—Fabric Cover Trimming Knife

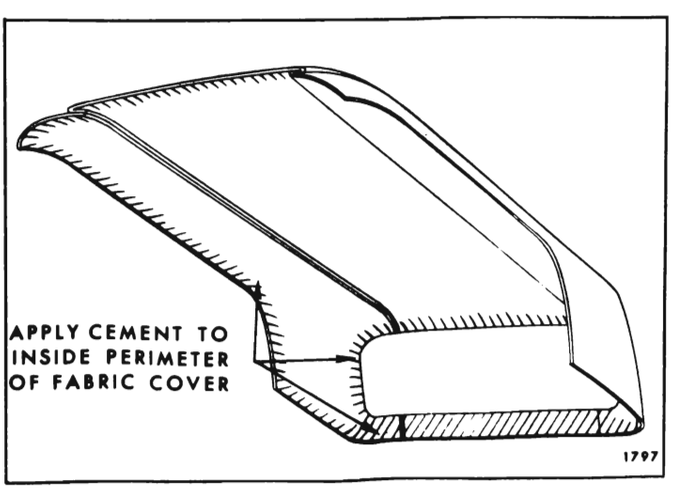


Fig. 5-3—Cementing Fabric Cover with Pad

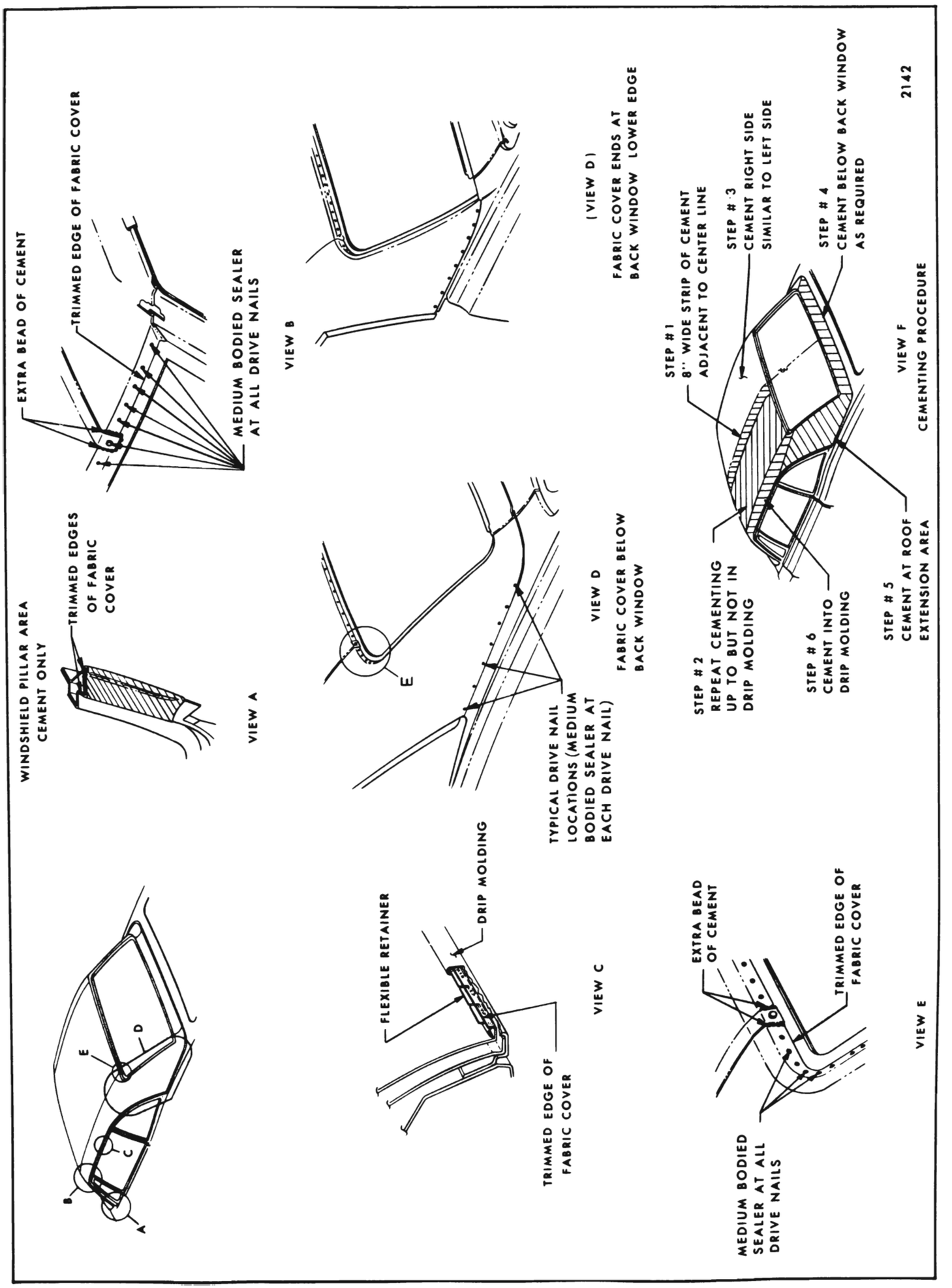


Fig. 5-4—Fabric Roof Cover Installation - Styles without Roof Panel Molding

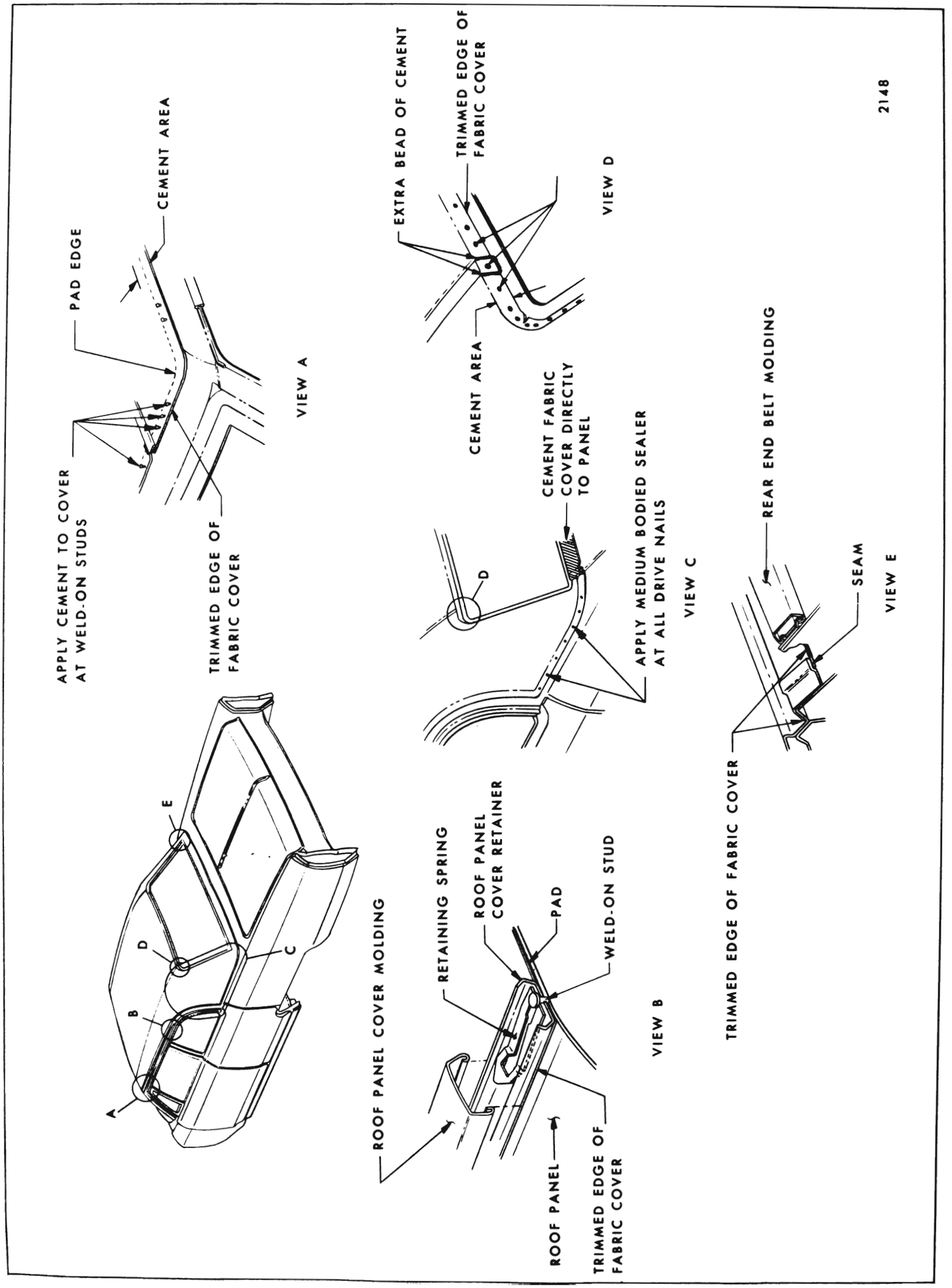


Fig. 5-5—Fabric Roof Cover Installation - Styles with Roof Panel Moldings

## INSTALLATION

1. Check all cementing surfaces on body to insure a smooth surface. Cementing surface must be smooth to prevent "highlighting" of excess cement through fabric cover after new cover has been installed. Clean off old cement as required.

**NOTE:** A xylol solvent such as 3M Adhesive Cleaner or equivalent, should be used to remove or smooth out excess old cement. Apply solvent and allow to soak before rubbing.

**CAUTION:** Be certain to follow manufacturer's directions when using cleaner.

2. On styles equipped with roof panel moldings, completely mask off area of roof panel which is not covered by fabric cover. Extend tape over windshield upper reveal molding so solvent will not contact paint or adhesive caulking material. On all other styles, mask portion of windshield and back window opening where adhesive caulk material will be later applied.

3. Where possible, install new cover at room temperature (approximately 72°), to permit easier fitting and removing of wrinkles from new cover assembly.

**NOTE:** Where new cover is installed at temperatures below 72°, fabricated pliers as shown in Figure 5-1 will aid in removing wrinkles.

4. Determine center line of roof panel by marking center points on windshield and back window opening with tape or equivalent.

5. Fold cover lengthwise, precisely at center location. Mark center location at front and rear of cover.

6. Lay cover on roof panel and align to correspond with center line of roof panel. Determine proper material overhang at windshield and back window openings. (Approximately 2" overhang at seam area at back window and windshield opening).

7. a. On styles where pad is not present, apply an 8" wide strip of nitrile non-staining vinyl trim adhesive (such as 3M Vinyl Trim Adhesive, Permalastic Vinyl Trim Adhesive or equivalent) to the roof panel adjacent to center line of fabric roof cover.

   b. On styles equipped with pad, apply nitrile type trim adhesive to one side of exposed roof panel where fabric roof cover is attached. Make certain that cement overlaps pad approximately 1" (Fig. 5-3).

**IMPORTANT:** Application of nitrile vinyl trim adhesive should be as thin as possible, as an excess amount of cement may result in trapped solvents (blisters) between fabric cover and roof panel. Application of neoprene type adhesive should also be as thin as possible as an excess amount of cement may result in "highlights" (cement build-up). For these reasons, a mohair roller or equivalent should be used to apply a thin coat of cement to fabric cover and roof panel; however, if necessary, a brush may be used. Exercise care when applying cement on lining side (inner layer) of cover to prevent cement from contacting vinyl side.

**NOTE:** If nitrile non-staining cement is not available, neoprene type non-staining weatherstrip cement (3M Weatherstrip Cement or equivalent) may be used.

8. a. On styles without pad apply an 8" wide strip of cement to fabric roof cover.

   b. On styles equipped with pad, install drive nail at seam areas only in back window opening. Apply cement to outer perimeter of fabric roof cover that will contact the portion of roof panel only that cement has previously been applied. Allow to dry.

**NOTE:** Allow approximately 15 minutes for cement to dry.

9. Apply cemented portion of fabric roof cover to cemented portion of roof panel making absolutely certain center of cover aligns with center of windshield and back window opening.

10. Repeat 7a and 8a until cover is completely cemented up to but not in drip moldings or weld-on studs for roof panel molding retainers.

**NOTE:** Make certain that cover is completely free of wrinkles and seams are straight. Fabric cover pliers (see Fig. 5-1) may be used in aiding removal of wrinkles.

**NOTE:** When installing fabric cover to inside of drip molding, a small thin-edged piece of plastic or similar material may be used to insert cover in place inside drip rails. Exercise care so damage will not occur to cover when performing this operation.

11. Cut relief notches in fabric cover at radius of windshield and back window opening and at all weld-on studs that are present. On styles where roof panel moldings are used, cut relief notches along front and sides of cover to accommodate weld-on studs. After notches have been cut cement fabric cover at these areas.

12. Using hammer and flat end punch install drive nails at top of windshield and back window openings. (View "B" and "E" Fig. 5-4 shows typical drive nail installation). Drive nails are not to be used at weld-on studs on roof panel on styles equipped with roof panel moldings.

    **NOTE:** When installing drive nails it is best to first use an awl or similar tool to initiate a hole in metal. Drive nails should be spaced approximately 2" apart on styles with felt pad and 3" apart for other styles in a straight area, and 1" apart at a radius. Strike drive nails only hard enough to seat them. Installation of drive nails should also be as low as possible in windshield and back window opening. This will aid in preventing cutting edge of fabric cover due to a missed hammer blow when drive nails are installed.

13. On styles where fabric cover extends below back window opening, install cover in the following manner.

    a. Align seam on cover with coach weld joints on rear compartment front panel.

    b. Cement the cover to the rear compartment front panel (between coach weld joints only) in the same manner as outlined in original installation.

14. Cement fabric at left roof extension area in the same manner as described in steps 7a, b and 8a, b. Pull fabric down and rearward and fasten (cement only) into back window opening. When operation is completed, fabric cover should be free of all wrinkles and draws in this area.

15. Repeat step 14 on right side.

16. Make sure that fabric cover is completely cemented around back window opening.

17. Using flat end punch and hammer, install drive nails at side of back window opening and roof extension area (belt).

18. On styles equipped with roof panel moldings, position roof panel cover retainers over weld-on studs and install retaining clips.

19. On styles where roof panel cover extends down windshield pillar, cement fabric roof cover to windshield pillar in same manner as outlined in original installation.

20. On styles equipped with roof panel moldings, trim fabric cover along roof panel molding retainers. (View "B", Fig. 5-5). Trimming tool (J-21092) or suitable small knife may be used to trim cover. (See Fig. 5-2). Do Not Damage Paint Finish. At front corners, raise cemented edge of cover and using scissors or sharp knife cut radius so roof panel moldings cover cut edge. Recement fabric cover to roof panel. (See View "A", Fig. 5-5). Remove masking tape from roof panel.

21. On all styles trim material along belt line at roof extension area. On styles where fabric cover extends below back window, trim cover along rear end belt molding area. If it is necessary to trim material from outer edge of fabric cover around windshield or back window opening, raise cemented edge and cut as required. Edge of fabric cover should exist as shown in View "B" and "E", Fig. 5-4. Do Not Damage Paint Finish.

22. On styles not equipped with roof panel moldings perform the following operations.

    a. Cement fabric cover into drip moldings.

    b. Using fabric cover trimming tool (J-21092), or suitable small knife, trim fabric cover just under lip of roof drip molding. (View "C", Fig. 5-4). A tool may be fabricated to trim material along side roof rail drip moldings as illustrated in Figure 5-2.

    c. Prior to installing flexible retainers in side roof rail drip moldings, spread them slightly to insure a tight fit.

    d. Install flexible retainer starting at radius area above rear door or quarter window. Working toward rear of body, carefully insert retainer into drip molding so that fingers are under drip molding flange. (See View "C", Fig. 5-4). Use fibre or wood block with slight concave end to push retainer downward. DO NOT DAMAGE RETAINER.

23. Apply medium bodied sealer at the following locations:

    1. Each drive nail.

    2. All relief notches cut in fabric cover except at roof panel molding areas.

24. Remove masking tape from windshield and back window opening.

25. Install all previously removed moldings and assemblies.

    **NOTE:** Normally minor creases or fold marks will gradually disappear after cover assembly has been in service.

**IMPORTANT:** If nitrile adhesive is used, fabric cover should be allowed to dry approximately four hours after installation. If fabric cover is subjected to extreme direct sunlight or heat immediately after installation, blistering due to trapped solvents may occur.

26. Use mineral spirits, kerosene or equivalent to remove windshield and back window adhesive caulking material from fabric cover.

**IMPORTANT:** Do not apply excessive pressure when wiping cover as damage may occur to fabric cover.

# FABRIC ROOF COVER (STATION WAGON STYLES)

The procedure for removal and installation of the fabric cover on station wagon styles is divided into two sections. The roof panel fabric cover procedure is followed by the tailgate fabric cover procedure.

**NOTE:** The roof panel fabric cover assembly is ordered as a separate service part. The fabric used on the tailgate is ordered as "yardage material" in the normal manner.

## DESCRIPTION

The roof panel fabric cover is cemented to the entire surface of the roof panel and tailgate with nitrile type non-staining cement. In addition to cement, the fabric cover is attached at the windshield by drive nails and in the tailgate opening by two screws at the seams. Drive nails are used at the belt line of the back body opening pillar. A flexible retainer secures the fabric cover inside the right and left drip moldings.

Prior to and during removal and installation of fabric roof cover, review Fig. 5-1, 5-2 and 5-6.

## REMOVAL

1. The following parts must be removed prior to removing the roof panel fabric cover:
   a. Windshield pillar drip molding.
   b. Windshield assembly.
   c. Back body opening upper and side reveal moldings.
   d. Roof drip molding scalps.
   e. Back body pillar cover finishing molding retainers.
   f. Tailgate upper glass run channel.
2. Clean off all excess adhesive caulking material from windshield opening.
3. Remove screws, drive nails and/or staples from edge of fabric cover at windshield, and at back body pillar.

**NOTE:** Drive nails can best be removed by first driving a screwdriver or suitable tool under the heads of the nails to loosen them. Diagonal cutters or similar tool can then be used to grasp nails and twist them out. Unnecessary enlargement of holes in roof panel should be avoided.

4. Remove flexible retainers securing fabric cover inside right and left drip moldings. (See Section A-A, Fig. 5-6). The retainers may be removed by inserting tip of screwdriver or similar tool under retainer at front of drip molding. While exerting slight outward force on drip molding with pliers, disengage fingers of retainer from drip molding flange. DO NOT DAMAGE DRIP MOLDING.

**NOTE:** New flexible retainers should be used when replacing fabric cover.

5. Prior to removing fabric cover, application of heat to cemented areas will permit easier loosening of cemented edges.

**CAUTION:** Heat may be applied by lamps held 18" (minimum) from fabric only until fabric is warm. If lamps are held too close or fabric cover is heated over 200°F, the fabric may lose its grain, blister, or become very shiny.

6. Loosen cemented edges of fabric roof cover at windshield area, drip moldings, back body opening, and back body pillar areas; then, carefully remove fabric cover from remaining cemented area of roof panel.

## INSTALLATION

1. Check all cementing surfaces on body to insure a smooth surface. Cementing surface must be smooth to prevent "highlighting" of excess cement through fabric cover after new cover has been installed. Clean off old cement as required.

**NOTE:** A xylol solvent such as 3M Adhesive Cleaner or equivalent, should be used to remove or smooth out excess old cement. Apply solvent and allow to soak before rubbing.

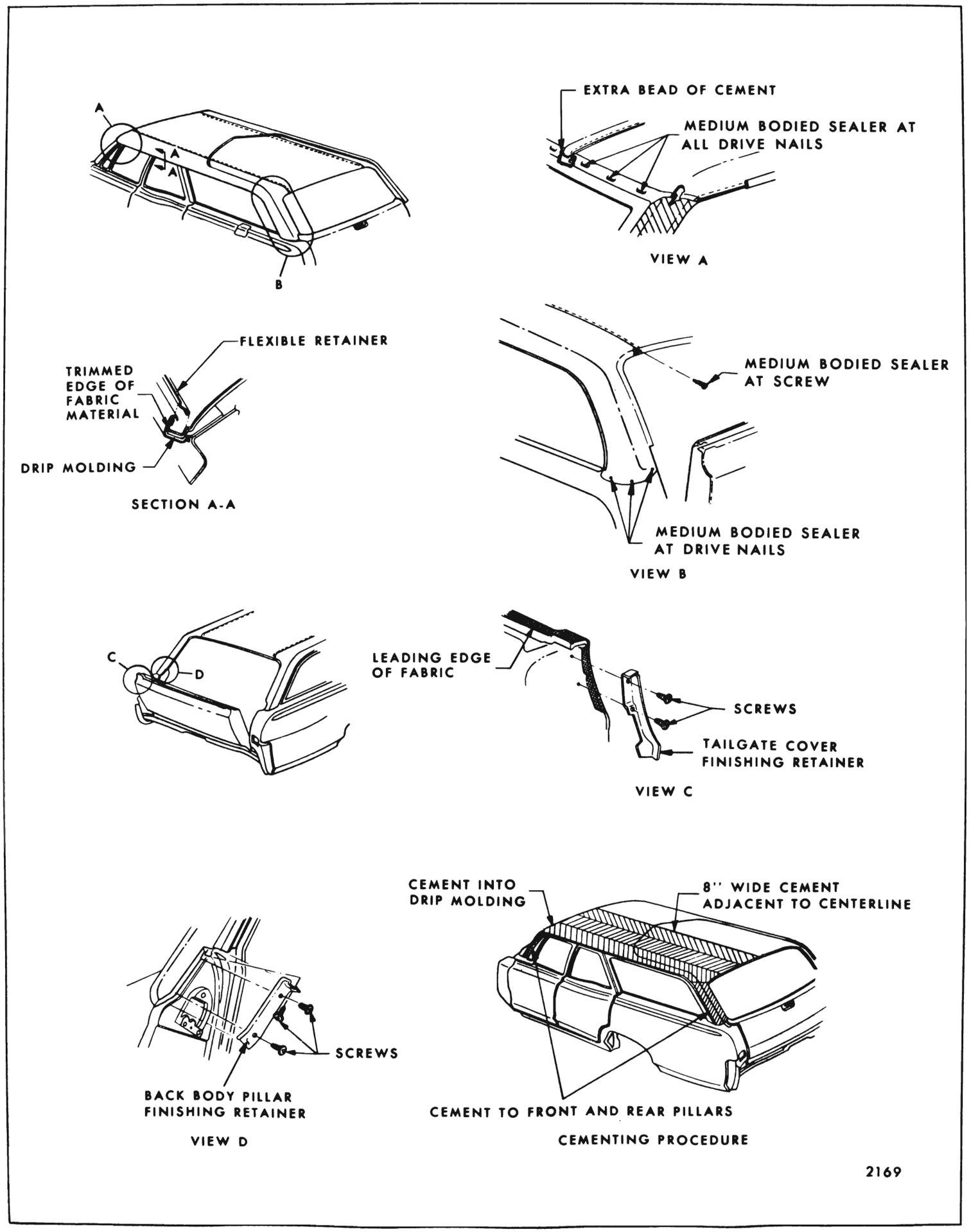


Fig. 5-6—Fabric Roof Cover Installation - Station Wagon Styles

**CAUTION:** Be certain to follow manufacturer's directions when using cleaner.

2. Mask painted surfaces below belt line, windshield pinchweld flange, instrument panel, and back body opening to protect painted surfaces.

**CAUTION:** Avoid prolonged contact of saturated masking materials to painted surfaces or paint etching may result.

3. Where possible, install new cover at room temperature (approximately 72°F), to permit easier fitting and removing of wrinkles from new cover assembly.

**NOTE:** Where new cover is installed at temperatures below 72°F, pliers fabricated as shown in Figure 5-1, will aid in removing wrinkles.

4. Determine center line of roof panel by marking center points on windshield and back body opening with chalk or equivalent.

5. Fold cover lengthwise, precisely at center location. Mark center location at front and rear of cover.

6. Lay cover on roof panel and align to correspond with center line of roof panel. Determine proper material overhang at windshield and back body openings. (Approximately 2" overhang at seam area at back body and windshield opening).

7. Using a mohair roller or brush, apply an 8" wide strip of nitrile non-staining vinyl trim adhesive (such as 3M Vinyl Trim Adhesive, Permalastic Vinyl Trim Adhesive or equivalent) to the roof panel adjacent to center line of fabric roof cover.

**IMPORTANT:** Application of nitrile vinyl trim adhesive should be as thin as possible, as an excess amount of cement may result in trapped solvents (blisters) between fabric cover and roof panel. Application of neoprene type adhesive should also be as thin as possible as an excess amount of cement may result in "highlights" (cement build-up). For these reasons, a mohair roller or equivalent should be used to apply a thin coat of cement to fabric cover and roof panel; however, if necessary, a brush may be used. Exercise care when applying cement on lining side (inner layer) of cover to prevent cement from contacting vinyl side.

**NOTE:** If nitrile non-staining cement is not available, neoprene type non-staining weatherstrip cement (3M Super Weatherstrip Cement or equivalent) may be used.

8. Apply an 8" wide strip of cement to fabric roof cover.

**NOTE:** Allow approximately 15 minutes for cement to dry.

9. Apply cemented portion of fabric roof cover to cemented portion of roof panel making absolutely certain center of cover aligns with center of windshield and back body opening.

10. Repeat 7, 8 and 9 until cover is completely cemented up to and in drip moldings. Make certain that cover is completely free of wrinkles and seams are straight. Fabric cover pliers (See Fig. 5-1) may be used in aiding removal of wrinkles.

**NOTE:** When installing fabric cover to inside of drip molding, a small thin edged piece of plastic, or similar material, may be used to insert cover in place inside drip molding. Exercise care to prevent damage to cover when performing this operation.

11. Cement fabric cover to windshield pillar and back body pillar area in the same manner as original installation. At windshield and back body openings cement cover into opening.

12. Using hammer and flat end punch install drive nails at windshield opening.

**NOTE:** When installing drive nails it is best to first use an awl or similar tool to initiate a hole in the metal. Drive nails should be spaced approximately 3" apart in a straight area, and 1" apart at a radius. Strike drive nails only hard enough to seat them. Installation of drive nails should also be low as possible in windshield opening. This will aid in preventing cutting edge of fabric cover due to a missed hammer blow when drive nails are installed.

13. Install drive nails at belt line of back body pillar area and screws in back body opening. Do not use awl for punching holes at belt line. Use existing holes or drill.

14. Trim off material at windshield opening, windshield pillar, back body opening, and back body pillar.

15. Using fabric cover trimming tool (J-21092), or suitable small knife, trim fabric cover just under lip of roof drip molding (Section A-A, Figure 5-6). A tool may be fabricated to trim material along roof drip rail moldings as illustrated in Figure 5-2.

16. Prior to installing flexible retainers in side

roof rail drip moldings, spread them slightly to insure a tight fit.

17. Install flexible retainer starting at front end of drip molding. Working toward rear of body, carefully insert inner edge of retainer into drip molding and snap fingers of retainer under drip molding flange. Use fibre or wood block with slight concave end to push retainer downward. DO NOT DAMAGE RETAINER.

18. Apply medium bodied sealer at the following locations at each drive nail and at 2 screws at seam area in back body opening.

19. Remove all masking tape.

20. Install all previously removed moldings and assemblies.

**NOTE:** Normally minor creases or fold marks will gradually disappear after cover assembly has been in service.

**IMPORTANT:** If nitrile adhesive is used, fabric cover should be allowed to dry approximately four hours after installation. If fabric cover is subjected to extreme direct sunlight or heat immediately after installation, blistering due to trapped solvents may occur.

# TAIL GATE FABRIC COVER

## DESCRIPTION

The tail gate fabric cover is a vinyl coated fabric of one section and is cemented to the surface of tailgate.

## REMOVAL

1. The following parts must be removed prior to removing the tailgate fabric cover.

   a. Tail gate belt reveal molding.

   b. Tail gate window lower reveal molding.

   c. Tail gate cover finishing retainer.

2. Prior to removing fabric cover, application of heat to cemented areas will permit easier loosening of cemented edges.

**CAUTION:** Heat may be applied by lamps held 18" (minimum) from fabric only until fabric is warm. If lamps are held too close or fabric cover is heated over 200°F, the fabric may lose its grain, blister, or become very shiny.

3. Loosen cemented edges of fabric cover on tail gate, then carefully remove cover from remaining cemented area.

## INSTALLATION

1. Check cementing surfaces on body to insure a smooth surface. Cementing surface must be smooth to prevent "highlighting" of excess cement through fabric cover after new cover has been installed. Clean off old cement as required.

**NOTE:** A xylol solvent such as 3M Adhesive Cleaner or equivalent, should be used to remove or smooth out excess old cement. Apply solvent and allow to soak before rubbing.

**CAUTION:** Be certain to follow manufacturer's directions when using cleaner.

2. Mask area below fabric break line on tailgate to protect painted surfaces.

**CAUTION:** Avoid prolonged contact of saturated masking materials to painted surfaces or paint etching may result.

2. To permit easier fitting and removing of wrinkles from new cover assembly, where possible, install new cover at room temperature (approximately 72°).

3. Position and install fabric cover on tailgate as follows:

   a. Place fabric cover on protected surface with inner layer of material exposed.

   b. Apply adhesive material to entire inner surface of fabric roof cover.

   c. Apply adhesive material to exposed surface of tail gate panel including inner flange.

   d. Position fabric to top leading edge of tail gate panel and work material down to molding attaching holes. (See View "C", Fig. 5-6).

   e. Wrap fabric around flange on tailgate.

   f. Trim off excess material on tail gate flange. (View "C", Fig. 5-6).

4. Install all previously removed moldings and assemblies.

**IMPORTANT:** If nitrile adhesive is used, fabric cover should be allowed to dry approximately four hours after installation. If fabric cover is subjected to extreme direct sunlight or heat immediately after installation, blistering due to trapped solvents may occur.

5. Remove all masking tape.

# FRONT AND SIDE SKYLIGHT WINDOWS ("55" AND "65" STYLES)

## DESCRIPTION

The front and side skylight window glass are retained in the body opening by adhesive caulked material. The extended method is to be used when replacing a skylight window glass. Procedures covering the removal and replacement of adhesive caulked glass including cutting out of material, necessary service parts, application of material, watertesting and waterleak repairing are described in the General Information Section. Specific details applying to skylight window glass removal and installation, will be covered in this section.

## REMOVAL

1. Remove glass as outlined in General Information Section. If the original glass is to be reused, place it on a protected bench or holding fixture and remove old caulking material from glass with sharp scraper or razor blade. Remove all remaining traces with toluene or thinner dampened cloth.

**NOTE:** Do not use an oil base solvent. Any traces of oil will prevent adhesion of new caulking material to glass.

2. Using a sharp scraper or chisel, remove major portion of old caulking material from pinchweld flange around glass opening. It is not necessary that all material be removed, but there should not be any loose pieces left in the opening.

## INSTALLATION

1. Check all reveal molding retaining clips. If upper end of clip is bent away from body metal more than 1/16 of an inch, either reform or replace clip. Check all clip screws and tighten as required. Place protective covering over interior trim below window opening.

2. Using black weatherstrip adhesive, cement flat rubber spacers #4848472 or equivalent (.18 x .5 x 1.0) to window opening pinchweld flanges at "X" locations as shown in Circle "A" in Figure 5-7.

**NOTE:** Use sufficient adhesive to obtain a watertight seal beneath spacer, however, do not allow excessive squeeze-out. Weatherstrip adhesive is not compatible with the replacement adhesive material and waterleaks may develop at locations where these two materials are used together to form a seal.

3. Using black weatherstrip adhesive, cement rectangular spacers #4404196 or equivalent (.30 x .44 x 1.0) to window opening rabbet at "Y" locations shown in Section "B-B" in Figure 5-7.

4. If the front skylight is being installed, attach glass handling suction cups to outer surface of glass and position glass in body opening (See Fig. 5-8).

   If side skylight is being installed, carry glass to body with aid of a helper as shown in Figure 5-9.

   Supporting glass with one hand, extend other arm into body and back through window opening as shown in Figure 5-10 and lower glass into position.

5. Check relationship of glass to pinchweld flange around entire perimeter. Overlap of pinchweld flange should be equal with a minimum overlap of 3/16". Overlap across top may be varied by changing lower glass support spacers. Both .30 thick (#4404196 or equivalent) and .34 thick (#4871330 or equivalent) rectangular spacers are available as service parts.

6. Check relationship of glass contour to body opening. Gap space between glass and pinchweld flange should be no less than 1/8" nor more than 1/4". If difficulty is encountered staying between these limits, correction can be made by any one of the following methods:

   a. Reposition flat spacers.

   b. Apply more caulking material than is specified at excessive gap areas. Material can be applied to pinchweld flange or by allowing bead on glass to exceed 3/8" height at gap areas.

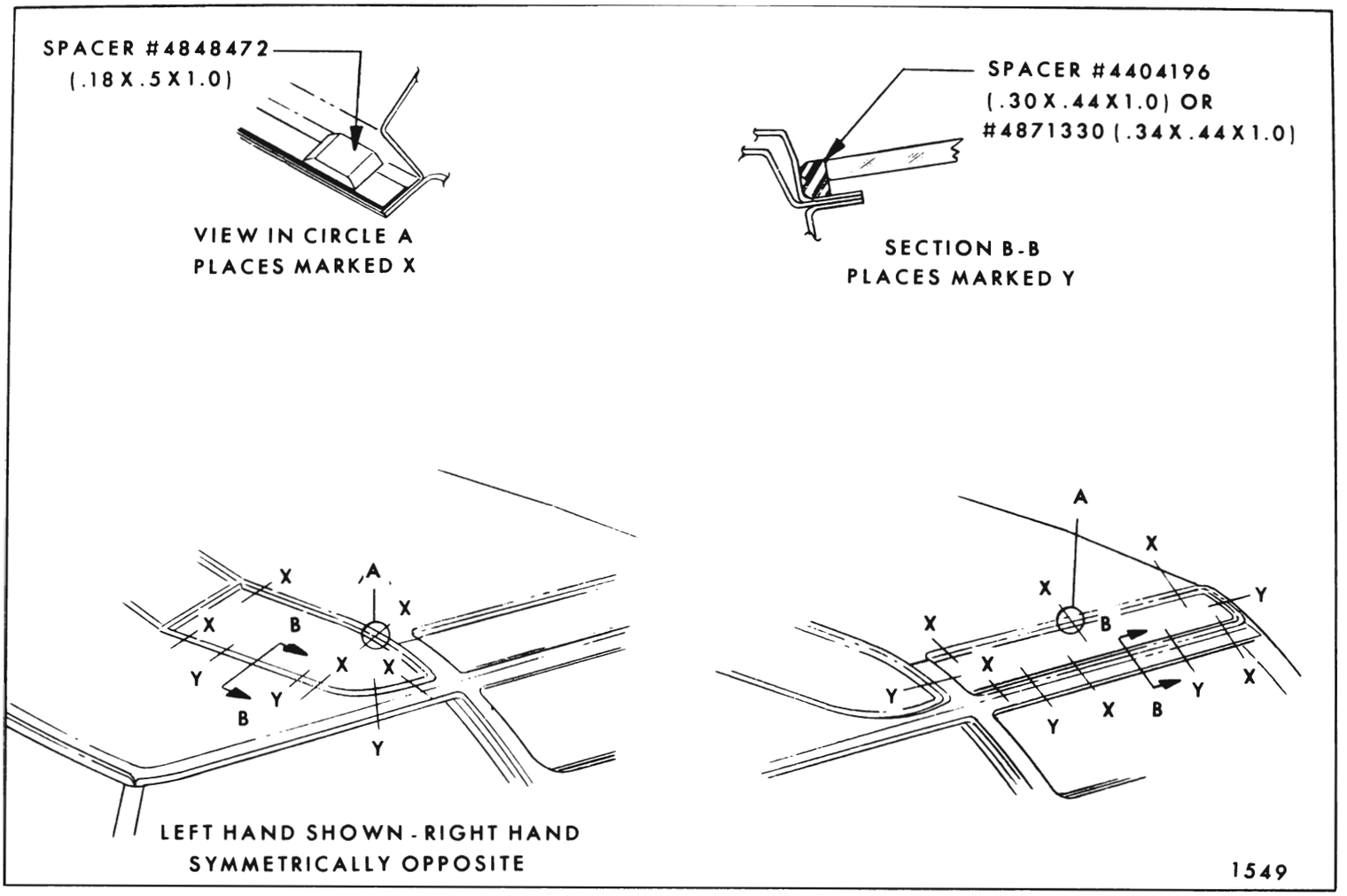


Fig. 5-7—Front and Side Skylight Rubber Spacer Installation

c. Change glasses - another glass may fit opening better.

d. Rework pinchweld flange.

7. After final adjustments have been made and glass is in proper position, apply pieces of masking tape over edges of glass and body (see View "A" in Fig. 5-8 or 5-10, depending on window being installed). Tape on glass can be aligned with tape on body to guide glass into opening during installation.

8. Apply one inch masking tape completely around inner surface of glass 1/4" inboard from outer edge (see Fig. 5-11). Removal of tape after glass installation will aid in clean-up and give a smooth even edge to adhesive material.

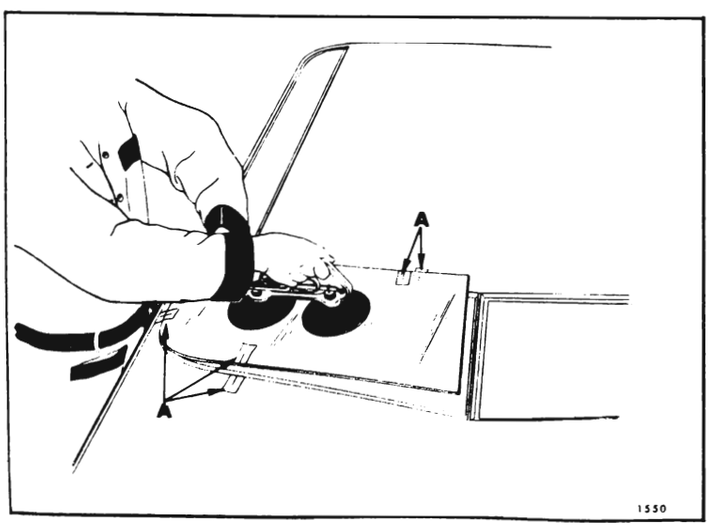


Fig. 5-8—Glass Suction Cup Usage

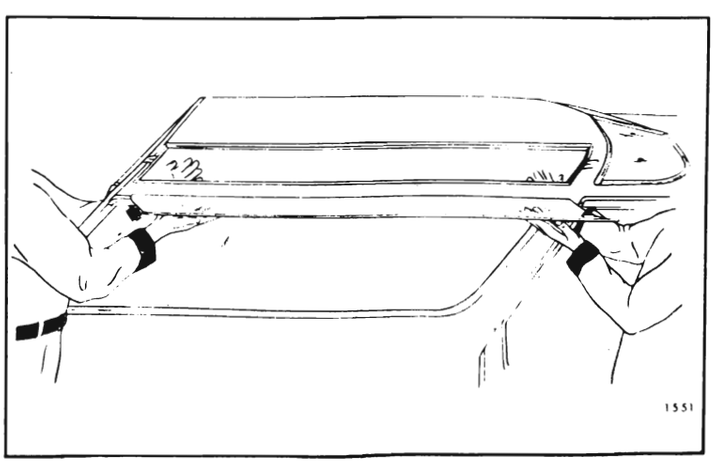


Fig. 5-9—Side Skylight Window Installation

9. Using a clean lint-free cloth liberally dampened with Adhesive Caulking Primer or equivalent (supplied in kit #4226000), briskly rub primer over original adhesive material remaining on pinchweld flange. Perform the following steps while allowing primer to dry for 5 to 10 minutes.

**NOTE:** If the pinchweld flange has been repainted, prime pinchweld flange with Paint Surface Primer (or equivalent). Paint Surface Primer is available as a service part.

**CAUTION:** Use extreme care to avoid spilling any primer solution on trim or painted surfaces. Wipe any spills immediately as primers will etch trim or interior paint finishes on contact.

10. Wipe surface of glass to which bead of adhesive material will be applied (between applied masking tape and edge of glass) with a clean water-dampened cloth. Dry glass with a clean cloth.

11. Positioning gun and nozzle as shown in Figure 5-11, carefully apply a smooth continuous bead of caulking material 3/8" high by 3/16" wide at base completely around edge of glass.

**NOTE:** Adhesive caulking material begins to cure after 15 minutes exposure to air; therefore, perform the following steps immediately and install glass in opening as quickly as possible.

12. Install glass in opening, focus attention on tape guides previously applied to obtain proper positioning.

**NOTE:** When installing front skylight, position outer lower corner first as shown in Figure 5-8, and lower glass into opening.

13. Press glass firmly to set caulking material. Use caution to avoid excessive squeeze-out of material.

**NOTE:** Glass handling suction cups may be used when removing or installing the skylight glass.

14. Inspect installation for proper seal between new caulking material and original material. If a gap is encountered, apply sufficient caulking material to fill the void. On inside of body run a flat stick around the pinchweld flanges to push excess caulking material back into opening between glass and flanges. Remove any excess squeeze-out of material.

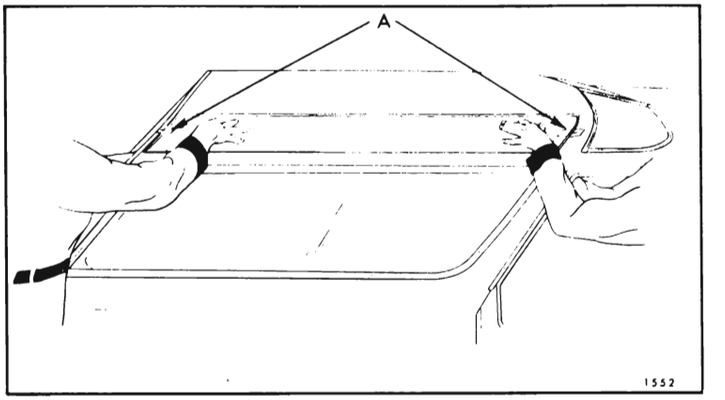


Fig. 5-10—Side Skylight Window Installation

15. Watertest installation immediately using cold water spray.

16. Remove masking tape from inside of glass.

17. Install reveal moldings, inside garnish moldings and previously removed parts.

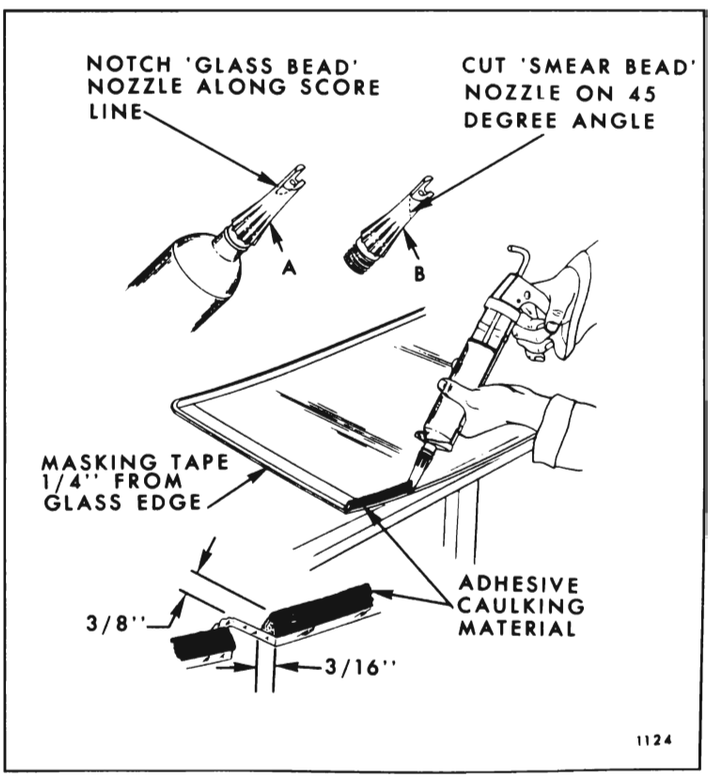


Fig. 5-11—Adhesive Caulking Material Application - Extended Method