

SECTION 2

CABS—CAP

SECTION INDEX

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CABS

HALF CAB INSTALLATION

General

The following procedure covers installation of the half cab kit on the CJ-5 model (fig. 2-1).

To avoid damage to enameled surfaces, lay components on the cardboard carton and cardboard separators used in packing the kit. Wherever possible, hold bolt heads stationary and tighten the nuts. Centerpunch all holes to prevent the drill from drifting.

Unless directed, do not tighten bolts and nuts fully until installation is complete. Remove the passenger seat prior to installation to provide more working space and make installation easier.

Windshield Sealant

(1) Unlatch windshield and pivot forward to rest on hood.

(2) Apply strip sealant across top edge of cowl, positioning it along front edges of air duct openings (fig. 2-2). Apply sealant around edges of both openings.

(3) Return windshields to upright position, but do not latch.

(4) Loosen but do not remove screws attaching windshield hinges to body.

Hinge Post Adapter Brackets

(1) Temporarily remove two original bolts and two original tapping screws from each side of windshield frame.

(2) Apply sealant along inside corners of two hinge post adapter brackets (fig. 2-3).

(3) Position adapter brackets on sides of windshield frame, aligning bracket holes with existing holes in frame.

(4) Secure upper sides of adapter brackets to windshield frame using original bolts, lockwashers, and nuts.

(5) Attach two upper female-half hinges to lower front sides of adapter brackets using original tapping screws and tighten (fig. 2-1).

NOTE: *The upper female-half hinge must be positioned between the wiper motor cover and the adapter bracket.*

Roof/Rear Panel Assembly

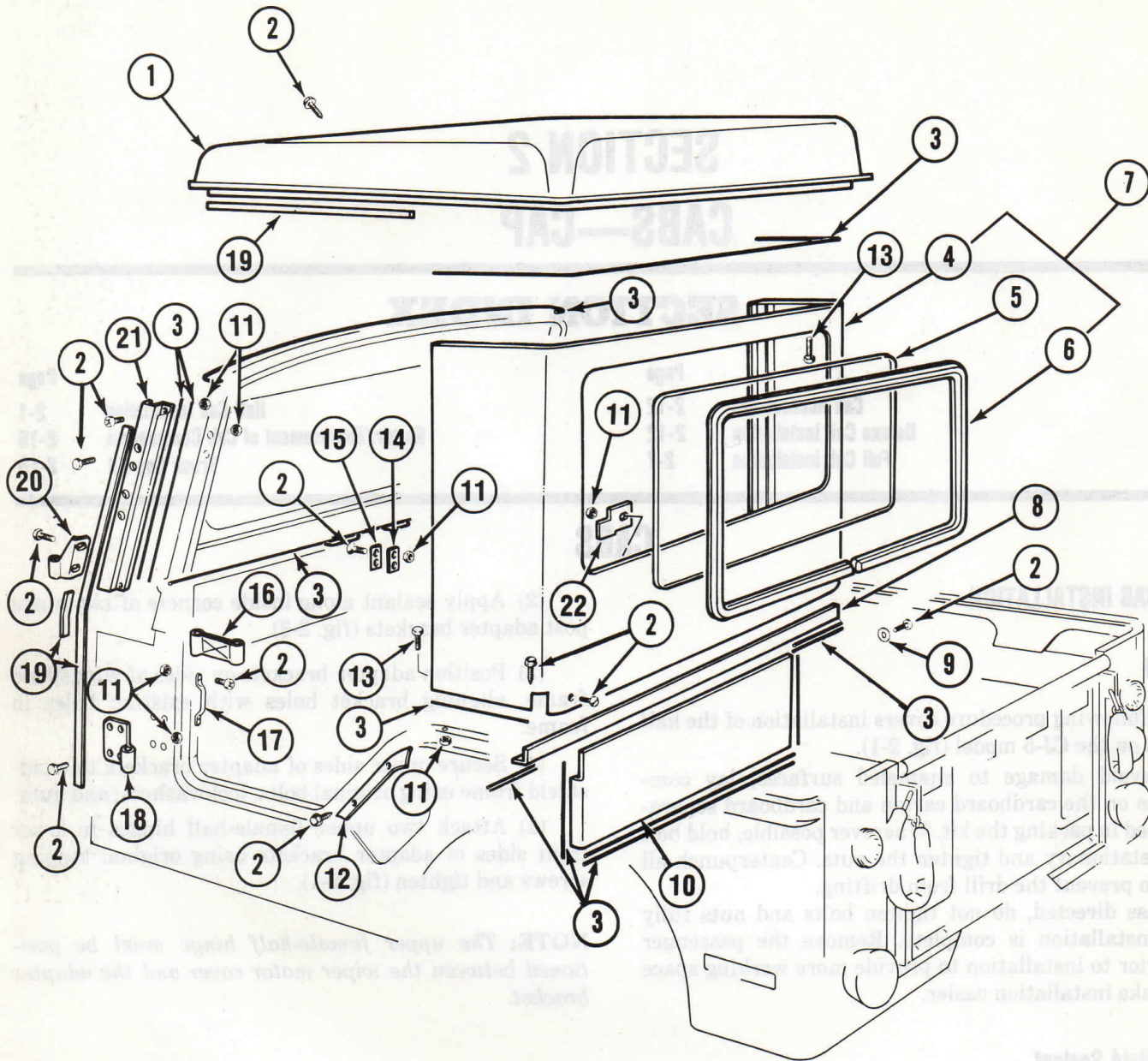
(1) Apply strip of sealant to top flange of rear panel, locating it between holes and outside edge.

(2) Place roof upside down in original carton for protection. Position rear panel on roof. Be careful not to disturb sealant.

(3) Fasten roof and rear panel with bolts and locknuts.

(4) Apply strip of sealant to outside face of windshield frame above roof channel and extend it around top sides of hinge post adapter brackets.

(5) Position roof/rear panel assembly on vehicle with the aid of a helper and pull front of roof down tight on windshield frame.



- | | | | |
|---------------|------------------------|------------------|---------------------|
| 1. ROOF | 7. REAR PANEL ASSEMBLY | 13. BOLT | 19. RUBBER MOULDING |
| 2. SCREW | 8. ANGLE | 14. SPACER | 20. UPPER HINGE |
| 3. SEALANT | 9. WASHER | 15. STRIKER | 21. ADAPTER BRACKET |
| 4. REAR PANEL | 10. FILLER PANEL | 16. STRAP | 22. FILLER PLATE |
| 5. GLASS | 11. LOCKNUT | 17. FOOTMAN LOOP | |
| 6. GASKET | 12. FILLER STRIP | 18. LOWER HINGE | |

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Fig. 2-1 Half Cab Kit Components

(6) Drill a 13/64-inch hole at each corner, using holes in front of roof as guide, and install Phillips washer-head, self-tapping screws to hold front of roof in position (fig. 2-4).

(7) Adjust roof/rear panel assembly position so inside of rear panel is located 42-1/8 inches from front edge of door opening on each side (fig. 2-5).

(8) Position door assemblies temporarily and with aid of a helper adjust roof/rear panel assembly to obtain proper door fit. Place doors as far forward and upward as possible. Use C-clamps when proper fit is obtained to temporarily secure rear panel mounting flanges to vehicle body.

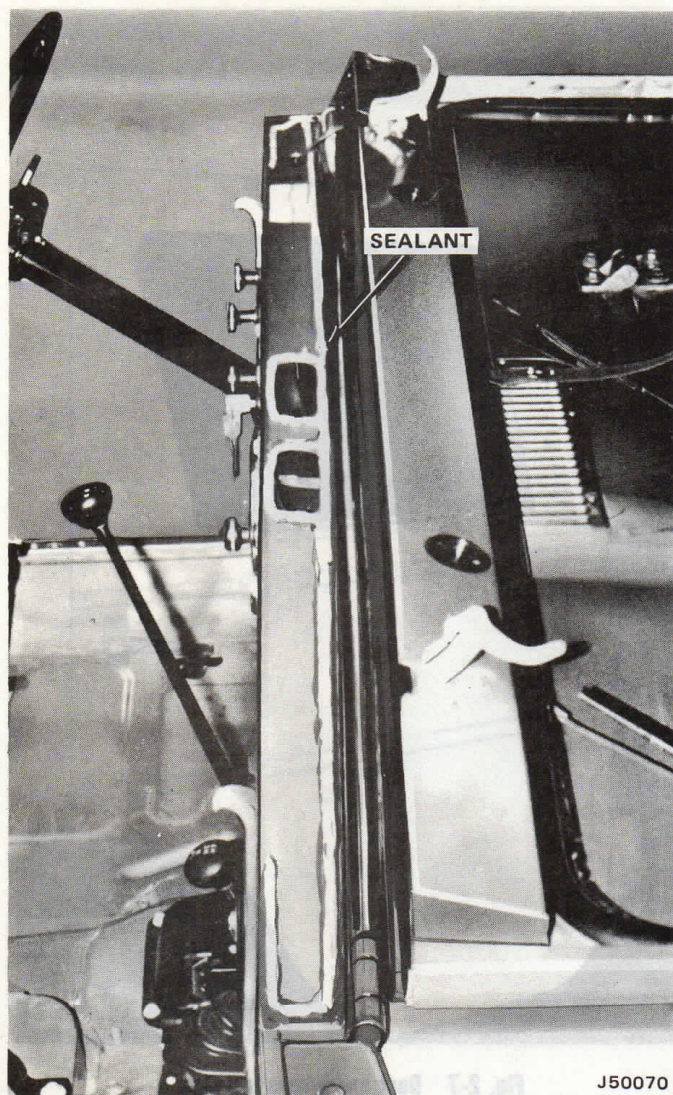


Fig. 2-2 Windshield Sealant Applied to Cowl Top

(9) Drill remaining $13/64$ -inch holes in front of roof and install Phillips washer-head, self-tapping screws.

NOTE: Remove all drill filings to avoid damage to windshield.

(10) Drill a $13/64$ -inch hole through each door opening flange using hole in top of each hinge post as a guide. Fasten with truss-head screws and locknuts.

(11) Check door fit again. If correct, latch windshield and adjust latches, if necessary, to allow complete engagement. Tighten hinge attaching screws.

(12) Drill $9/32$ -inch holes through body using holes in rear panel mounting flanges as templates.

(13) Remove C-clamps and secure rear panel to body with bolts and locknuts.

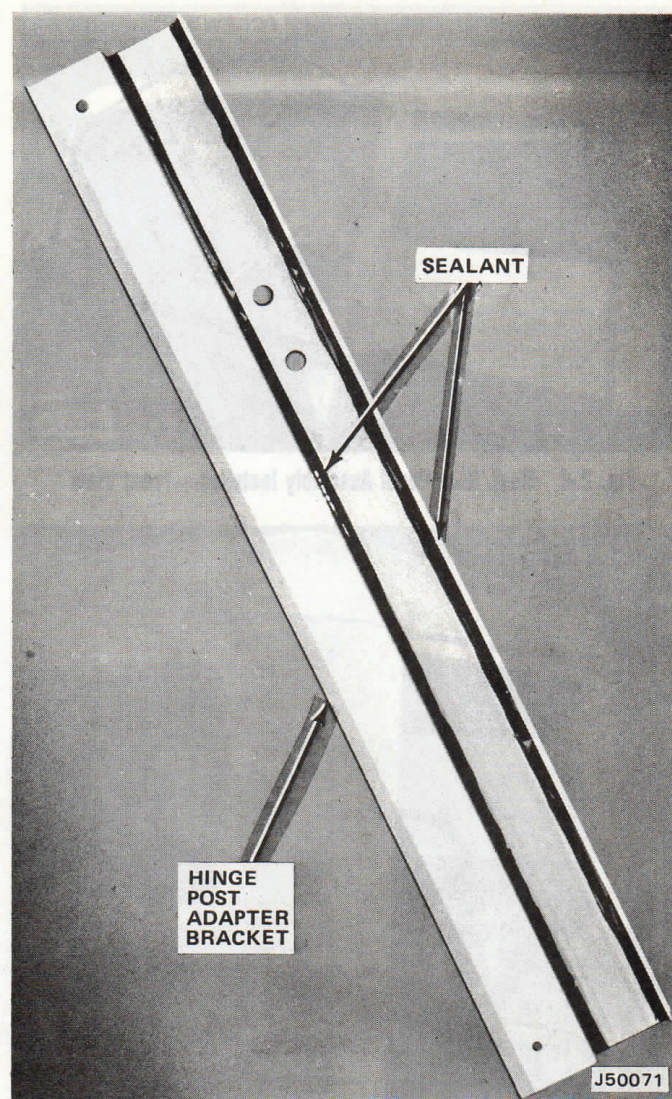


Fig. 2-3 Sealant Applied to Adapter Brackets

Doors and Hinges

(1) Position each door in place, with aid of helper, and insert upper male-half hinges in upper female-half hinges. Centerpunch locations for holes to be drilled in door using upper male-half hinges as templates (fig. 2-6).

(2) Drill $9/32$ -inch hole through each door at hole locations. Fasten upper male-half hinge on door with bolts and locknuts.

(3) Check door alignment and remaining hole locations for proper placement.

(4) Drill remaining holes through door and complete fastening hinge to door with bolts and locknuts.

(5) Install lower female-half hinges onto lower male-half hinges attached to each door. Use lower female-half hinges as template and mark hole locations on body with center punch.



Fig. 2-4 Roof/Rear Panel Assembly Installed—Front View

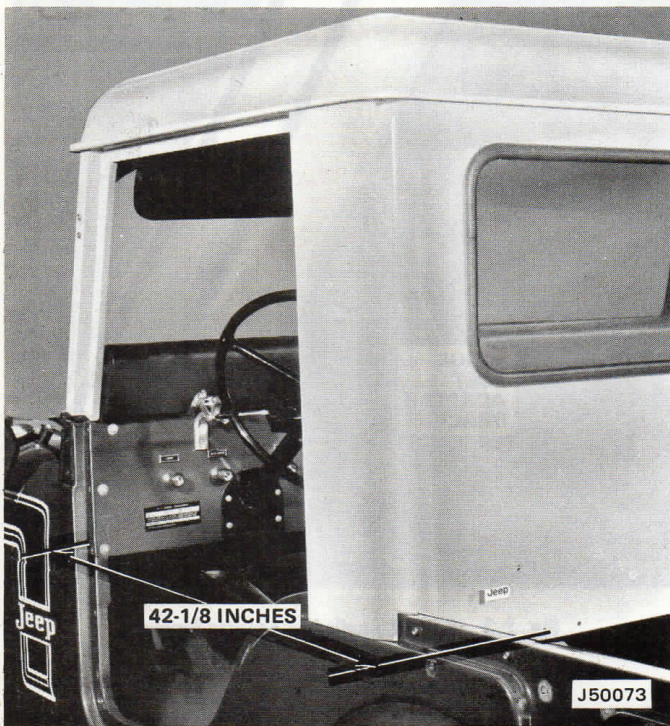


Fig. 2-5 Roof/Rear Panel Assembly Installed—Rear View

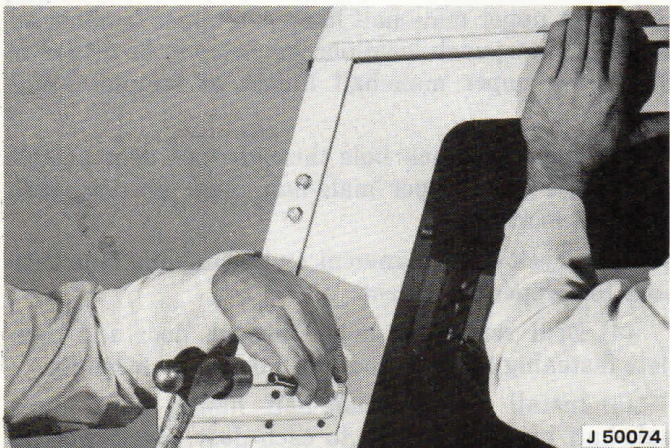


Fig. 2-6 Marking Hole Locations for Half Hinges

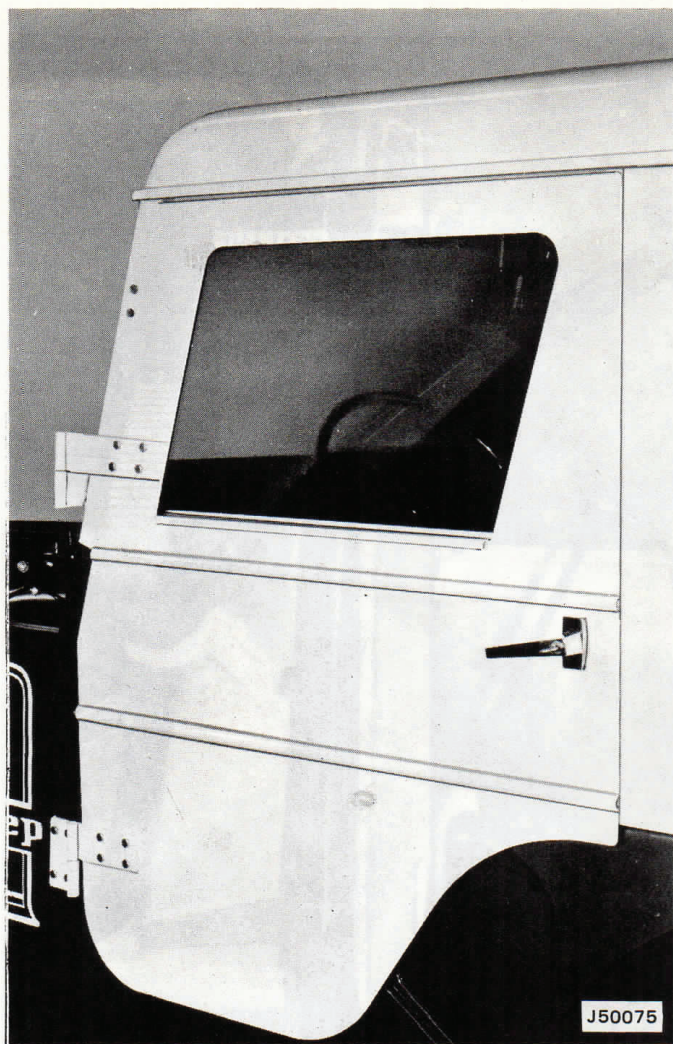


Fig. 2-7 Door and Hinges Installed

(6) Drill 9/32-inch hole through vehicle body on each side and fasten lower female-half hinges with bolts and locknuts.

(7) Check door alignment and remaining hole locations for proper placement.

(8) Drill remaining holes through body and complete fastening hinges to body with bolts and locknuts (fig. 2-7).

(9) Install doors.

Door Strikers

(1) Attach striker to cab rear panel with flat-head screws and locknuts (fig. 2-8).

(2) Use spacers, if necessary, to obtain proper engagement with door latch.

Door Straps and Footman Loops

(1) Slip one end of door strap onto each door strap hook (fig. 2-9). Insert footman loop into opposite end of

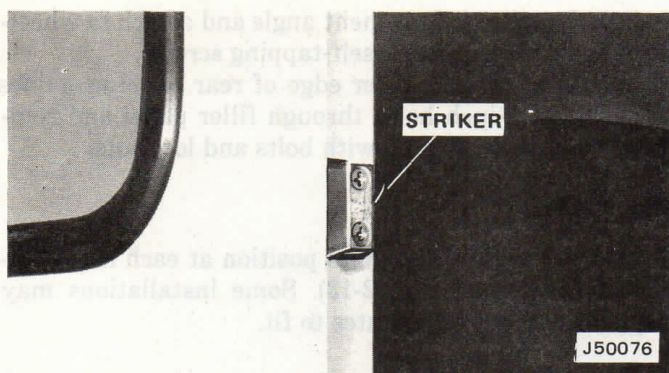


Fig. 2-8 Door Striker Installed

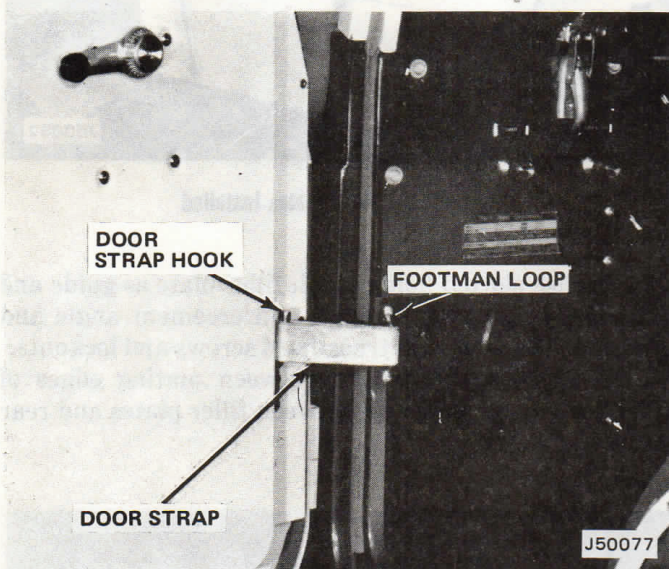


Fig. 2-9 Door Strap and Footman Loop Installed

each door strap. Position each footman loop on its respective body flange. Locate door strap so it is horizontal.

(2) Use footman loops as templates and mark hole locations on each body flange with a center punch. Drill 7/32-inch holes through each flange at locations marked.

(3) Attach each footman loop to its respective body flange with oval-head screws and locknuts. Check for proper alignment and tighten.

Rubber Moulding Door Strips

A roll of pressure-sensitive rubber moulding is furnished for making door openings weathertight. Proper application of the moulding is important.

NOTE: Do not stretch moulding when applying.

(1) Apply vertical strip of rubber moulding along edge of door (striker side), parallel to and 1/8 inch from

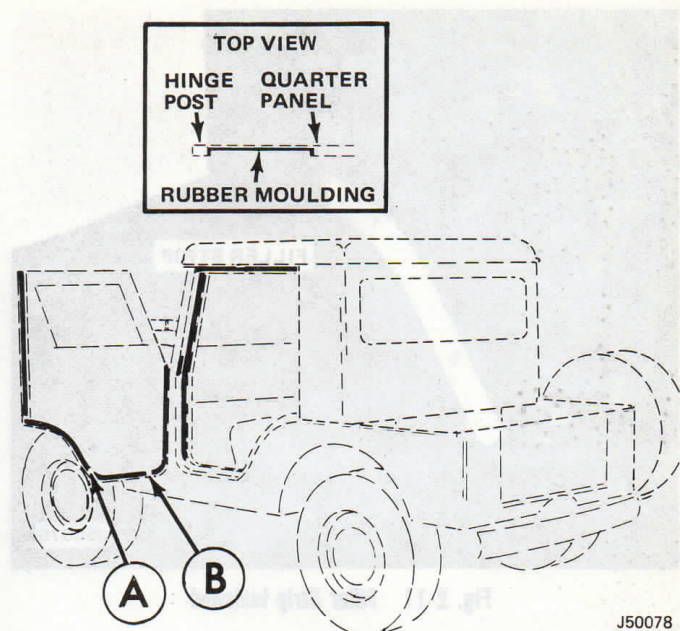


Fig. 2-10 Rubber Moulding Door Strips Installed

outside edge and extend from top of door to bottom corner (fig. 2-10).

(2) Butt second strip against lower end of vertical strip, parallel to and 1/8 inch from outside edge, and extend down along bottom of door and up hinge side. Trim surplus material and cut two vertical 1/4-inch wide drain channels at A and B locations.

(3) Apply horizontal strip along top of door opening, beginning on back side of hinge post adapter bracket and extend around corner onto front edge of rear panel.

(4) Apply vertical strip along front edge of door opening, butt top of strip against bottom of horizontal strip, and extend around corner to bottom of hinge post adapter bracket.

(5) Apply vertical strip from bottom of hinge post adapter bracket and extend it down to beginning of radius at bottom corner of door opening.

(6) Apply 8-inch strip at a right angle to vertical strips positioning strip top at bottom of hinge post adapter bracket.

(7) Check operation of doors and adjust striker plates, if necessary.

Filler Strip

(1) Position filler strip on body panel (fig. 2-11). Use filler strip as template and mark two hole locations.

(2) Drill 13/64-inch holes through body and attach filler strip with self-tapping screws.

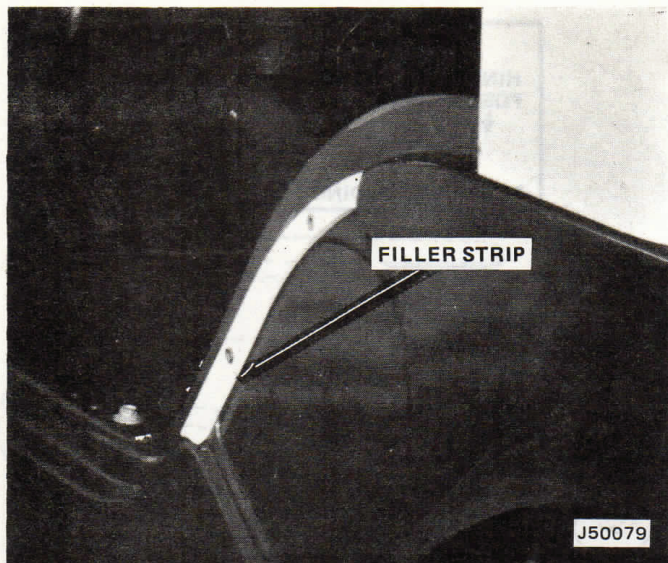


Fig. 2-11 Filler Strip Installed

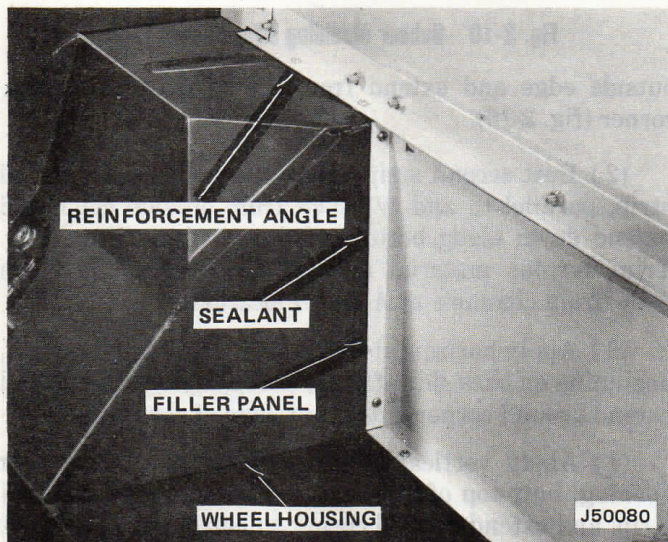


Fig. 2-12 Filler Panel and Reinforcement Angle Installed

Filler Panel and Reinforcement Angle

(1) Temporarily position filler panel and reinforcement angle (fig. 2-12). Use panel and angle as templates and centerpunch hole locations on top and sides of wheelhousings and on floor.

(2) Remove reinforcement angle and filler panel. Drill 5/32-inch holes in locations previously marked.

(3) Apply strip of sealant on top of each wheelhousing, locating it between drilled holes and rear panel. Apply second strip directly on top of first strip.

(4) Apply single strip of sealant on sides of wheelhousings and across floor, positioning it just behind drilled holes.

(5) Position filler panel in vehicle. Be careful not to disturb sealant and attach panel to wheelhousings and floor with pan-head, self-tapping screws.

(6) Install reinforcement angle and attach to wheelhousings with pan-head, self-tapping screws.

(7) Use holes in lower edge of rear panel as guides and drill 9/32-inch holes through filler panel and reinforcement angle. Fasten with bolts and locknuts.

Filler Plates

(1) Slide filler plate into position at each lower corner of rear panel (fig. 2-13). Some installations may require grinding filler plates to fit.

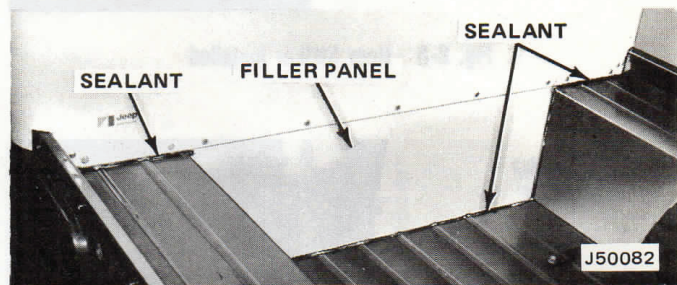


Fig. 2-13 Filler Plates Installed

(2) Use slotted hole in each filler plate as guide and drill 13/64-inch hole through reinforcement angle and rear panel. Fasten with truss-head screws and locknuts.

(3) Force strip sealant between mating edges of filler plates and body and between filler plates and rear panel (fig. 2-14).

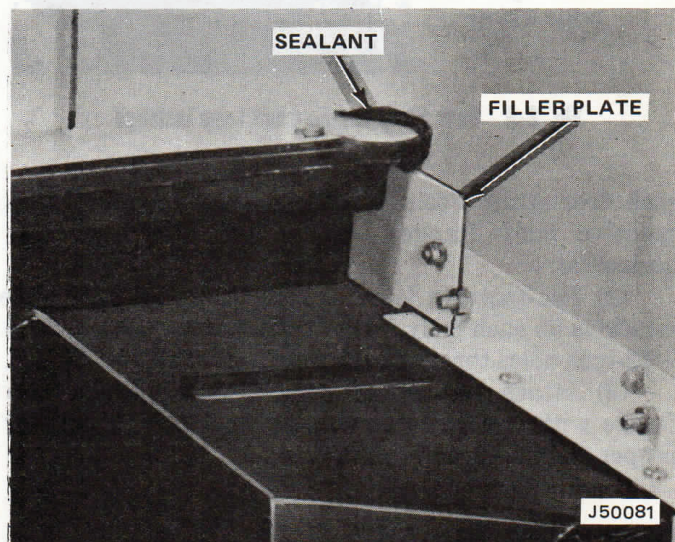


Fig. 2-14 Filler Panel and Body Sealant Installation

Cleanup

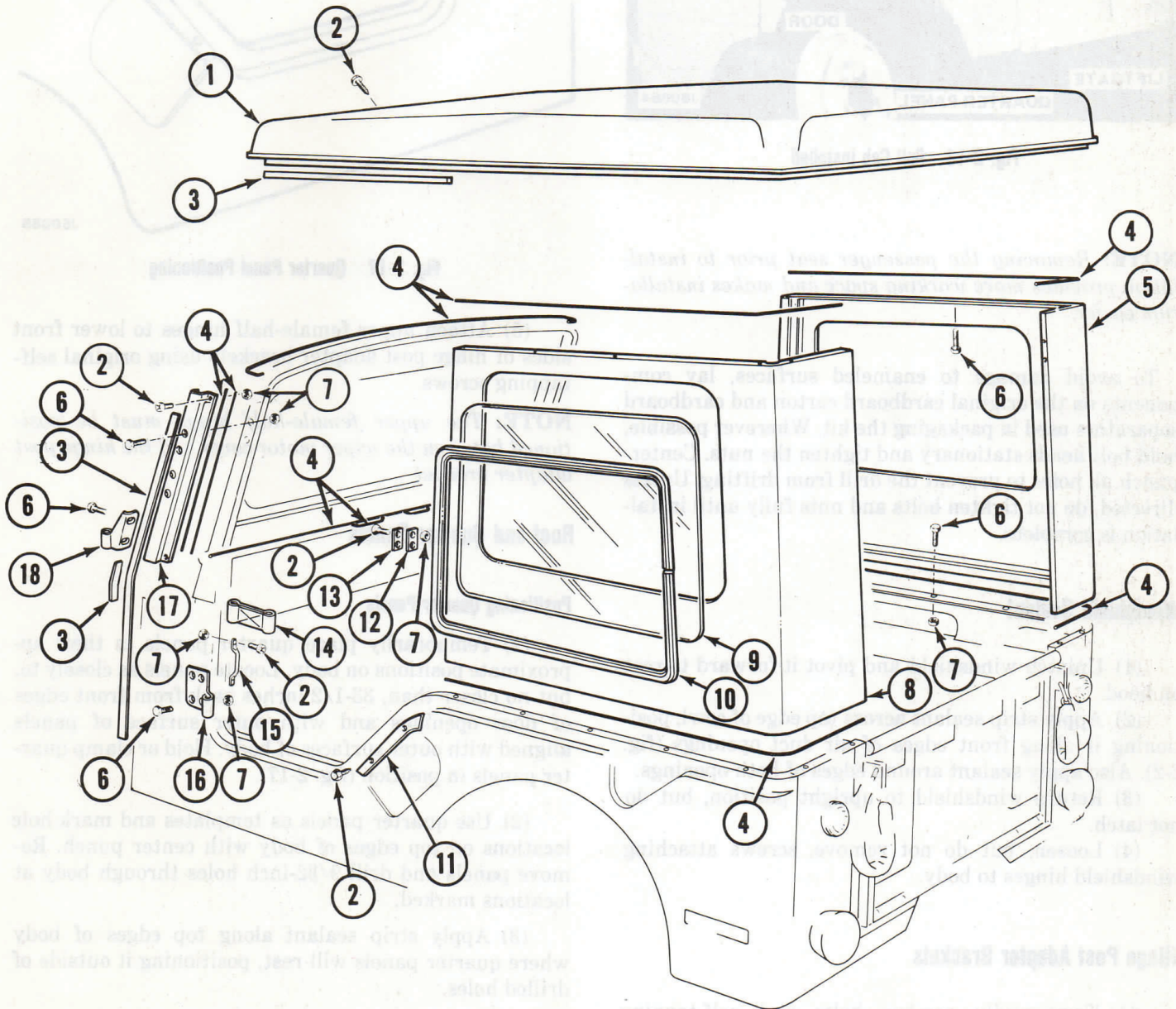
(1) Check all joints and seams for complete sealing; use additional strip sealant where necessary. Remove excess sealant with kerosene or suitable solvent.

- (2) Be sure that all bolts and nuts are tightened.
- (3) Touch up surface scratches or blemishes using 432 Champagne White (Ditzler 8818 or Dupont 7314) or equivalent.
- (4) Cover exposed joint sealant with matching enamel or lacquer.
- (5) Check top ends of canopy sockets and grind flush with top edge of body where necessary.

FULL CAB INSTALLATION

General

The following procedure covers installation of the full cab kit on CJ-5 models. Full cab components and hardware are illustrated in figures 2-15 and 2-16.



- 1. ROOF
- 2. SCREW
- 3. RUBBER MOULDING
- 4. SEALANT
- 5. QUARTER PANEL, RH

- 6. BOLT
- 7. LOCKNUT
- 8. QUARTER PANEL, LH
- 9. GLASS
- 10. GASKET

- 11. FILLER STRIP
- 12. SPACER
- 13. STRIKER
- 14. STRAP
- 15. FOOTMAN LOOP

- 16. HINGE
- 17. ADAPTER BRACKET
- 18. HINGE

Fig. 2-15 Full Cab Components and Hardware

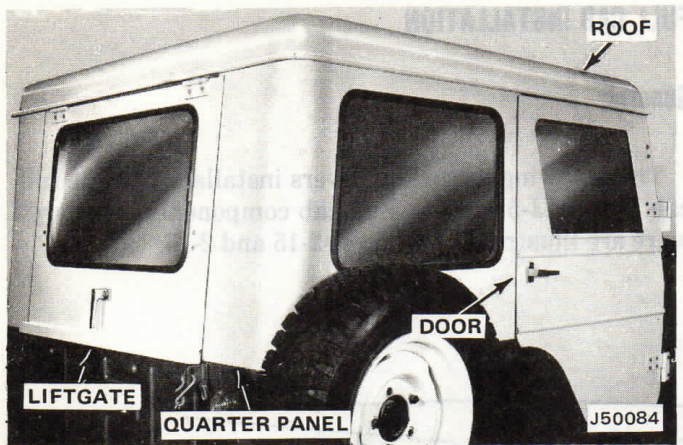


Fig. 2-16 Full Cab Installed

NOTE: Removing the passenger seat prior to installation provides more working space and makes installation easier.

To avoid damage to enameled surfaces, lay components on the original cardboard carton and cardboard separators used in packaging the kit. Wherever possible, hold bolt heads stationary and tighten the nuts. Center-punch all holes to prevent the drill from drifting. Unless directed, do not tighten bolts and nuts fully until installation is complete.

Windshield Sealant

- (1) Unlatch windshield and pivot it forward to rest on hood.
- (2) Apply strip sealant across top edge of cowl, positioning it along front edges of air duct openings (fig. 2-2). Also apply sealant around edges of both openings.
- (3) Return windshield to upright position, but do not latch.
- (4) Loosen, but do not remove, screws attaching windshield hinges to body.

Hinge Post Adapter Brackets

- (1) Temporarily remove bolts and self-tapping screws from each side of windshield frame.
- (2) Apply sealant along inside corners of hinge post adapter brackets (fig. 2-3).
- (3) Position hinge post adapter brackets on sides of windshield frame, aligning adapter holes with existing holes in frame.
- (4) Secure upper sides of hinge post adapter brackets to windshield frame using bolts, lockwashers, and nuts.

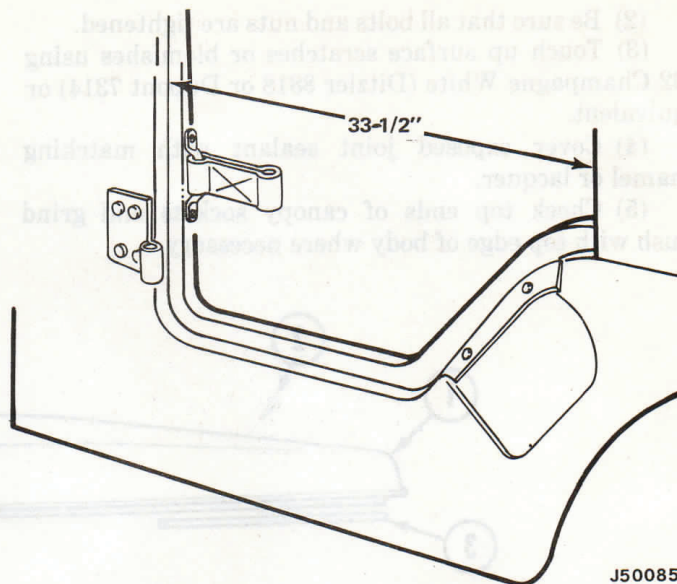


Fig. 2-17 Quarter Panel Positioning

- (5) Attach upper female-half hinges to lower front sides of hinge post adapter brackets using original self-tapping screws.

NOTE: The upper female-half hinge must be positioned between the wiper motor cover and the hinge post adapter bracket.

Roof and Quarter Panels

Positioning Quarter Panels

- (1) Temporarily place quarter panels in their approximate positions on body. Locate panels as closely to, but no closer than, 33-1/2 inches back from front edges of door openings and with outer surface of panels aligned with outer surfaces of body. Hold or clamp quarter panels in position (fig. 2-17).
- (2) Use quarter panels as templates and mark hole locations on top edges of body with center punch. Remove panels and drill 9/32-inch holes through body at locations marked.
- (3) Apply strip sealant along top edges of body where quarter panels will rest, positioning it outside of drilled holes.

Assembling Roof and Quarter Panels

- (1) Apply strip sealant to top quarter edges of quarter panels (fig. 2-18).
- (2) Place quarter panels on roof (with roof upside down in carton for protection) so that mating holes are aligned. Fasten each panel to roof with bolts and locknuts.

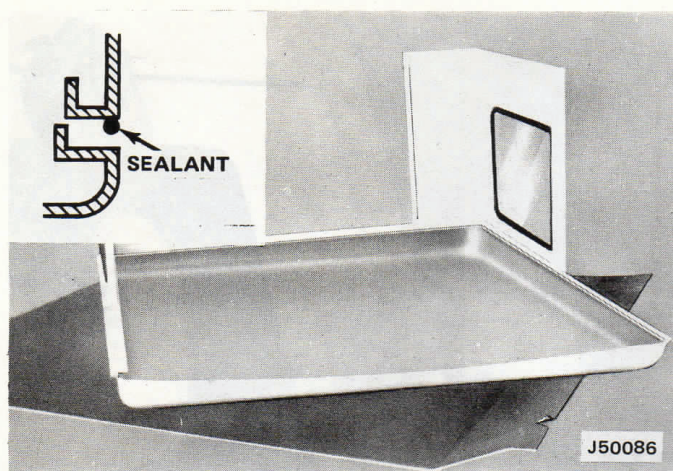


Fig. 2-18 Roof and Quarter Panels Assembled

(3) Lower quarter panels into position and align with previously drilled holes. Secure with bolts and locknuts.

Mounting Quarter Panel Assembly on Body

(1) Apply strip of sealant to outside face of windshield frame above roof channel and extend around top sides of hinge post adapter brackets.

(2) Lift roof/quarter panel assembly with aid of helper over body and lower front of roof into position over windshield frame and hinge post adapter brackets (fig. 2-19).

(3) Pull front of roof down tight on windshield frame. Be sure roof is centered on frame.

(4) Use holes in front of roof as guide and drill 13/64-inch hole at each corner and install Phillips washer-head, self-tapping screws to hold front of roof in position. Drill remaining holes and install screws.

NOTE: Remove all drill filings to avoid damage to windshield.

(5) Check position of roof and quarter panels on body then tighten all bolts and nuts.

(6) Use hole in top of each hinge post adapter bracket as guide and drill 13/64-inch holes through each door opening flange. Fasten adapter brackets to roof with screws and locknuts and apply sealant around joint (fig. 2-20).

(7) Latch windshield and adjust latches, if necessary, to allow complete engagement. Tighten windshield hinge attaching screws.

Filler Strip

(1) Position filler strip on body panel (fig. 2-21). Use filler strip as template and mark two hole locations.



Fig. 2-19 Mounting Roof—Quarter Panel Assembly on Body

(2) Drill 13/64-inch holes through body and attach filler strip with two self-tapping screws.

Doors and Hinges

(1) Place each door in its respective opening and align so top edge of door is parallel to top of opening and door is as far forward and upward as possible. Hold door in this position and insert upper male-half hinge into upper female-half hinge. Use male-half hinge as template and centerpunch locations for holes to be drilled in door (fig. 2-22).

(2) Drill 9/32-inch hole through door at one of hole locations. Fasten upper male-half hinge to door with bolt and locknut.

(3) Check door alignment and remaining hole locations for proper placement. Drill remaining holes and install bolts and locknuts.

(4) Fit lower female-half hinge onto lower male-half hinge attached to door. Hold doors in proper position and, using lower female-half hinge as a template, mark hole locations on body (fig. 2-23).

(5) Drill 9/32-inch hole through body at one location and fasten lower female-half hinge with bolt and locknut.

(6) Check door alignment and remaining hole locations for proper placement. Drill remaining holes through body and install bolts and locknuts.

(7) Install doors.

Door Striker

(1) Attach striker to quarter panels with screws and locknuts (fig. 2-8).

(2) Use spacers, if necessary, to permit proper engagement with door latch.

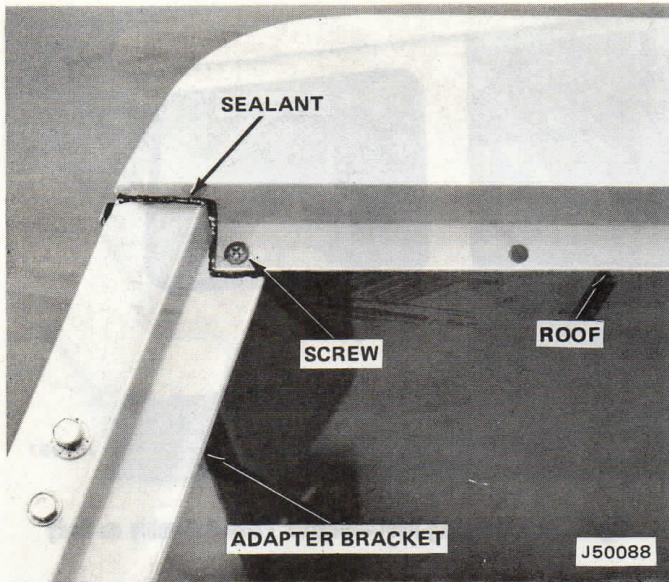


Fig. 2-20 Adapter Bracket Installed

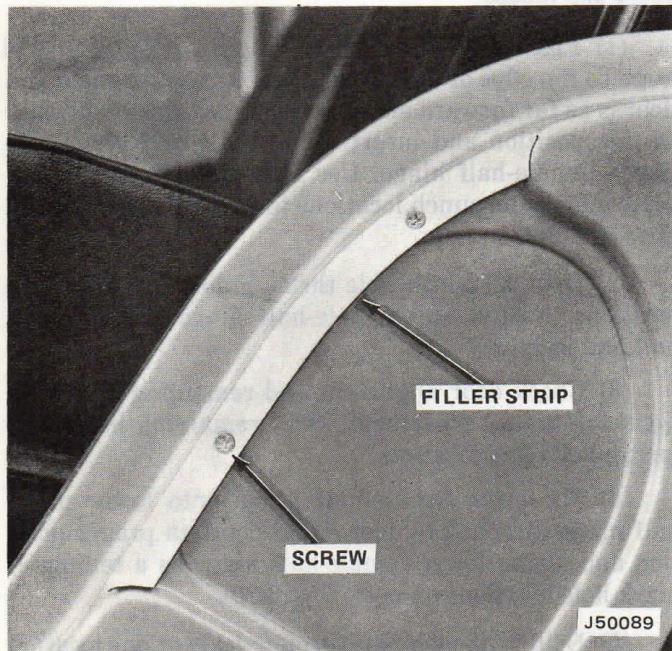


Fig. 2-21 Filler Strip Installed

Door Straps and Footman Loops

(1) Slip one end of door strap onto each door strap hood (fig. 2-9). Insert footman loop into opposite end of each door strap. Position each footman loop on respective body flange. Locate door strap so it is horizontal.

(2) Use footman loops as templates and mark hole locations on each body flange with center punch. Drill 7/32-inch holes through each flange at locations marked.

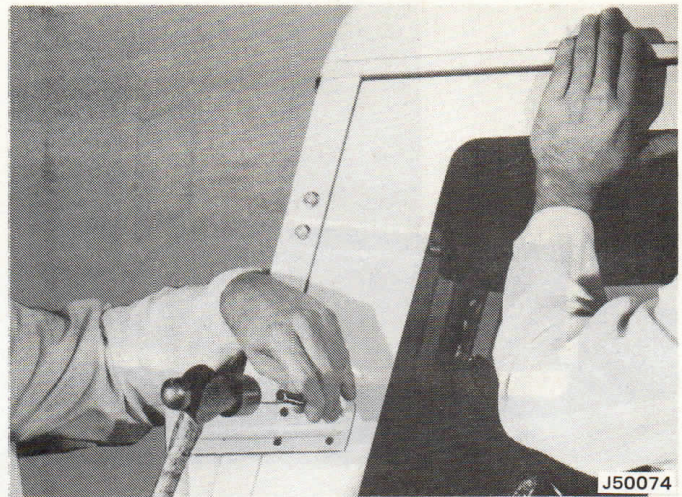


Fig. 2-22 Marking Hole Locations for Upper Male-Half Hinges

(3) Attach each footman loop to its respective body flange with oval-head screws and locknuts. Check for proper alignment and tighten.

Vertical Rear Door

If vertical rear door is to be installed rather than the liftgate, refer to Vertical Rear Door Installation instructions listed under Cab Accessories.

Liftgate Hinges and Support Arms

(1) Attach hinges to roof with screws and locknuts (fig. 2-24).

(2) Attach support arms to liftgate by fastening right angle bracket end with bolts and locknuts.

Liftgate

(1) Position liftgate into its opening and secure to hinges with bolts and locknuts (fig. 2-25).

(2) Be sure that hinge assemblies are properly aligned and liftgate is positioned for minimum clearance at top. Tighten screws, bolts, and locknuts.

(3) Attach opposite ends of support arms to quarter panels with screws and locknuts.

Rubber Moulding Door Strips

A roll of pressure-sensitive rubber moulding is furnished for making door openings weathertight. Proper application of the moulding is important.

NOTE: Do not stretch moulding when applying.

(1) Apply vertical strip of rubber moulding along edge of door (striker side), parallel to and 1/8 inch from

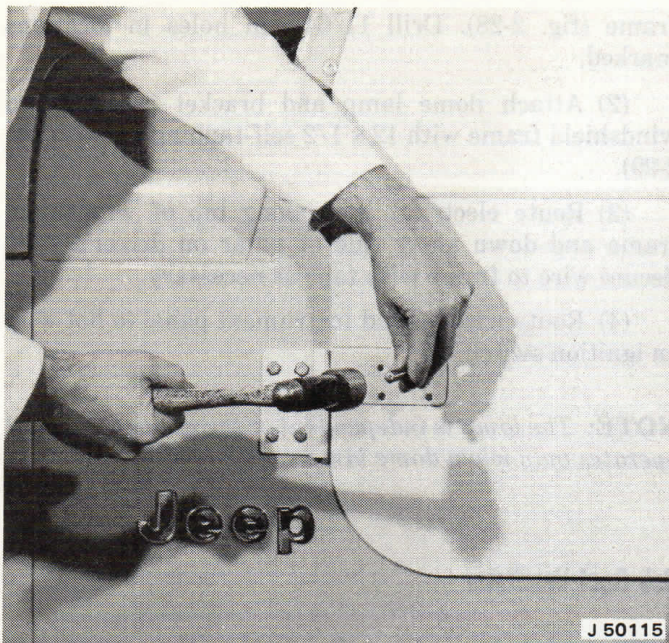


Fig. 2-23 Marking Hole Locations for Lower Hinge

outside edge, and extending from top of door to bottom corner (fig. 2-26).

(2) Butt second strip against lower end of vertical strip, parallel to and 1/8 inch from outside edge, and extend down along bottom of door and up hinge side. Trim surplus material and cut two vertical 1/4-inch wide drain channels at locations A and B (fig. 2-26).

(3) Apply horizontal strip along top of door opening, beginning on back side of adapter bracket, and extending around corner onto front edge of quarter panel.

(4) Apply vertical strip along front edge of door opening, butt top of strip against bottom of horizontal strip, and extend it down to bottom of adapter bracket.

(5) Apply vertical strip from bottom of adapter bracket, extending it down to beginning of radius at bottom corner of door opening.

(6) Apply 8-inch strip at right angle to vertical strip installed above, with its top end at bottom of adapter bracket.

(7) Check door operation and adjust strikers, if necessary.

Liftgate Rubber Moulding

(1) Apply horizontal strip of rubber moulding along bottom of liftgate.

(2) Apply vertical strips along each side of liftgate, parallel to and 1/8 inch from outside edges, and extending from top edge of liftgate down to butt against horizontal strip.

(3) Apply horizontal strip along top of liftgate opening, positioning it between hinges.

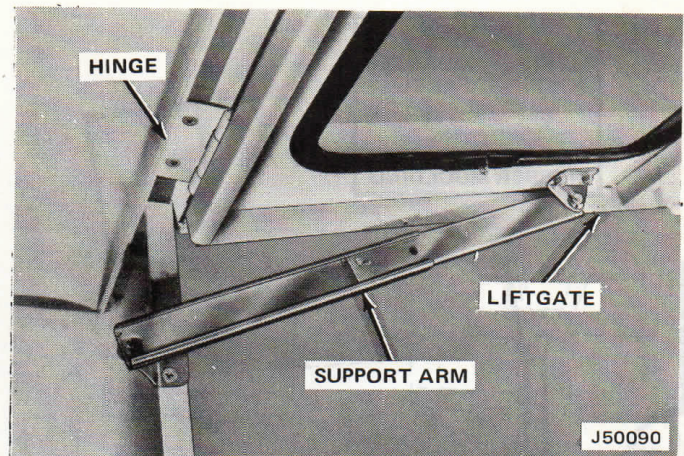


Fig. 2-24 Liftgate Hinges and Support Arms Installed

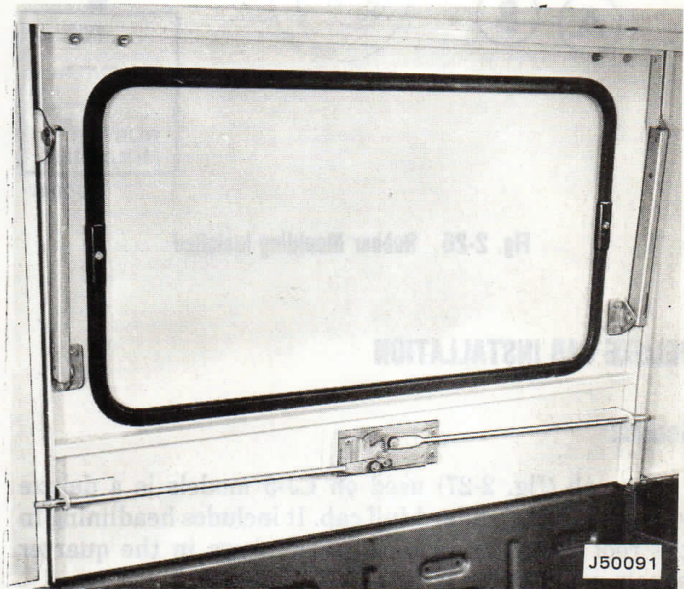


Fig. 2-25 Liftgate Installed—Interior Views

(4) Apply two short strips along top of liftgate opening, positioning them between each hinge and outside corner of opening.

(5) Apply liftgate hinge rubber seal on each liftgate hinge, aligning it with rubber moulding.

Cleanup

(1) Check all joints and seams for complete sealing. Use additional strip sealant where necessary. Remove excess sealant with suitable solvent.

(2) Be sure that all bolts and nuts are tightened.

(3) Touch up surface scratches or blemishes with 432 Champagne White (Ditzler 8818 or Dupont 7314) or equivalent.

(4) Cover exposed joint sealant with matching enamel or lacquer.

(5) Check top ends of canopy sockets and grind flush with top edge of body where necessary.

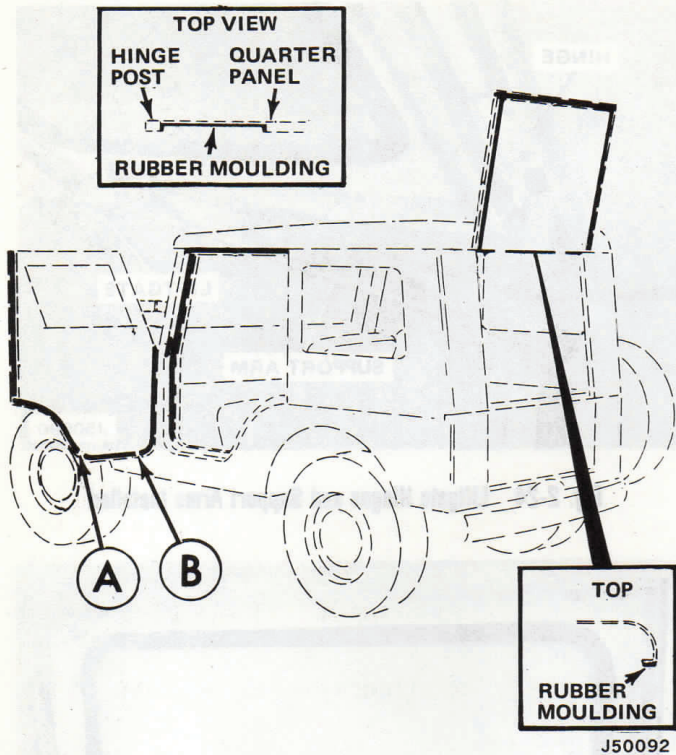


Fig. 2-26 Rubber Moulding Installed

DELUXE CAB INSTALLATION

General

The cab (fig. 2-27) used on CJ-5 models is a deluxe version of the standard full cab. It includes headlining in the roof assembly, additional windows in the quarter panels, and a dome lamp.

Installation

Installation procedures for the deluxe cab are identical to those described for the standard full cab in this section.

CAB ACCESSORIES

Dome Lamp

The dome lamp (fig. 2-28) can be installed in full or half cabs and is grounded electrically through the two self-tapping mounting screws. Be sure there is good metal-to-metal contact between the mounting screws and the bracket.

(1) Use dome lamp mounting bracket as template and mark two hole locations on top center of windshield

frame (fig. 2-28). Drill 11/64-inch holes in locations marked.

(2) Attach dome lamp and bracket assembly to windshield frame with 12 x 1/2 self-tapping screws (fig. 2-29).

(3) Route electrical wire along top of windshield frame and down along side of pillar on driver's side. Secure wire to frame with tape as necessary.

(4) Route wire behind instrument panel to hot wire on ignition switch.

NOTE: The lamp is independent of the ignition key and operates only when dome lamp switch is activated.

Cab Roof Ventilator

The cab roof ventilator (fig. 2-30) is designed for use on full cabs installed on the CJ-5 model. Figure 2-31 shows ventilator assembly components. A template is provided for accurate locating of the opening required for the ventilator assembly.

(1) Cut hole in template where indicated. Place template on top of roof. Be sure that roof and rib centerlines are properly aligned. Tape template securely in place.

(2) Scribe or mark outline of opening on roof and remove template.

(3) Cut roof opening. Bevel edges slightly and remove burrs.

(4) Install narrow slot of weatherstrip over edge of roof opening (refer to enlarged section view on template), extending weatherstrips completely around to frame the opening. Be sure weatherstrip ends butt tightly together.

(5) Separate ventilator frame from ventilator handle assembly by removing rod (fig. 2-13).

(6) Place outside edge of ventilator frame in wide slot of weatherstrip, beginning at one corner. Use suitable tool to guide edge of frame into entire slot.

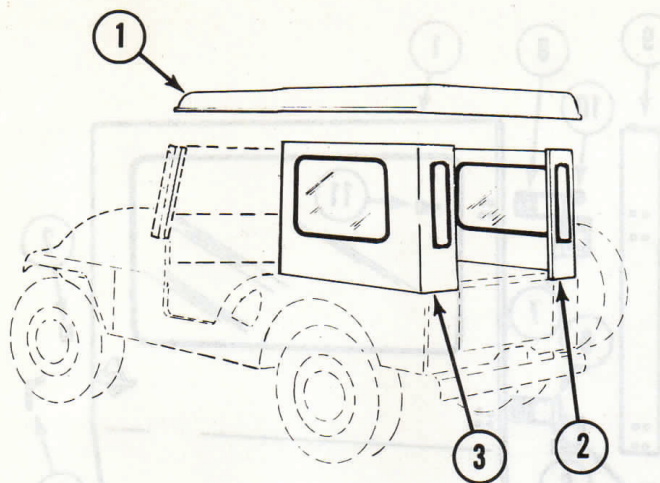
(7) Lubricate filler strip with liquid detergent or soapy water. Use seal insert installer or suitable tool to force filler strip into groove on top of weatherstrip. Cut off excess, if any, so that ends butt tightly together.

(8) Position ventilator handle assembly in ventilator frame and install rod and screens.

(9) Touch up cab roof ventilator as required with 432 Champagne White (Ditzler 8818 or Dupont 7314) or equivalent.

Vertical Rear Door

The vertical rear door installation on the full cab is described in the following procedures (fig. 2-32).



1. ROOF AND HEADLINER
2. QUARTER PANEL, RH

3. QUARTER PANEL, LH

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Fig. 2-27 Deluxe Full Cab Components

Vehicle Body Preparation

(1) Remove tailgate from its hinges and remove tailgate hinges from body.

(2) Use either cutting torch or chisel to carefully remove both chain bracket/latches from body. Grind flush with body and refinish to prevent metal deterioration.

Rubber Moulding Strips

A roll of pressure-sensitive rubber moulding is provided for making all openings weathertight. Proper application is important. Do not stretch moulding when applying.

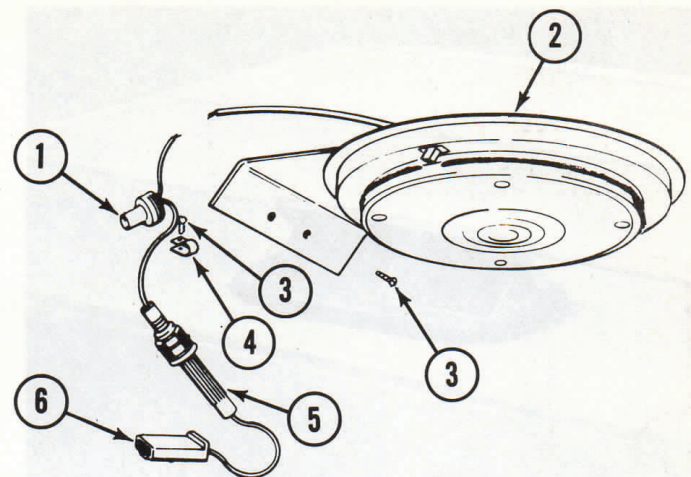
(1) Lay vertical rear door, with its inside surface facing up, on cardboard for protection.

(2) Apply vertical strip of rubber moulding (A, fig. 2-33) to flange on latch side of door, positioning one end at bottom corner. Extend strip upward to top of door, with edge of moulding butted against box section.

(3) Apply horizontal strip B to bottom flange of door, positioning it with one end even with outside edge of strip A and extending it to opposite edge of door.

(4) Apply vertical strip C to flange on hinge side door, butting one end against the edge of strip B. Extend strip upward to top of door, with edge of moulding butted against box section. Trim strip flush with edge of door with sharp knife or single-edge razor blade. Hold blade in a vertical position, stroking it smoothly up and down, using edge of door as a guide and using other hand to pull cutoff material away (fig. 2-34).

(5) Apply horizontal strip D to face of box section on top of door, extending it from one edge to the other,



1. CONNECTOR
2. DOME LAMP

3. SCREW
4. CLAMP

5. FUSE ASSEMBLY
6. SPADE TERMINAL

J50094

Fig. 2-28 Dome Lamp Components and Wiring

with top edge of moulding even with top edge of box section.

(6) Apply horizontal strip E directly over strip B on bottom flange of door.

(7) Apply vertical strips F directly over strips A and C, positioning each with one end butted against edge of strip E, and extending up to point where door bends. Trim strip on hinge side.

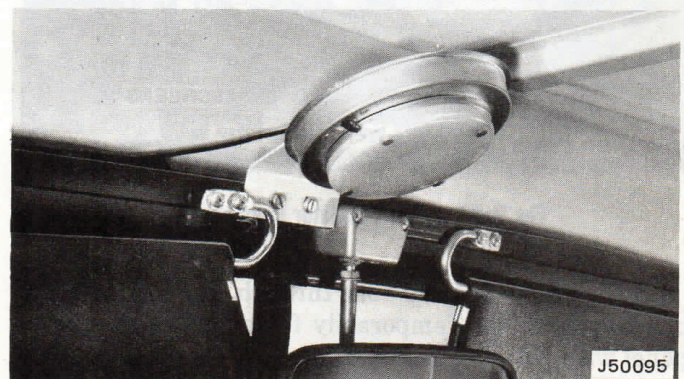
(8) Apply horizontal strip of rubber moulding across vertical flange on top of door opening. Position ends of strip against quarter panels, with top edge of moulding flush against horizontal surface.

Hinges

(1) Attach upper hinges to vertical rear door assembly with bolts and locknuts (fig. 2-32).

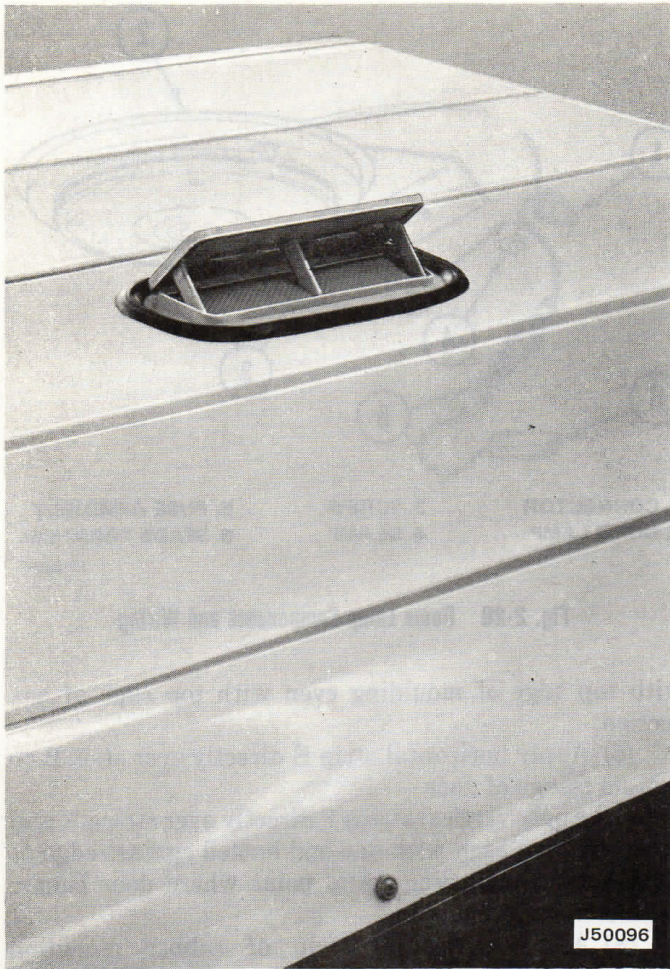
(2) Position and align door, with aid of helper, in opening and fit lower hinge on upper hinge.

(3) Use lower hinge as template and mark locations for holes to be drilled in left quarter panel.



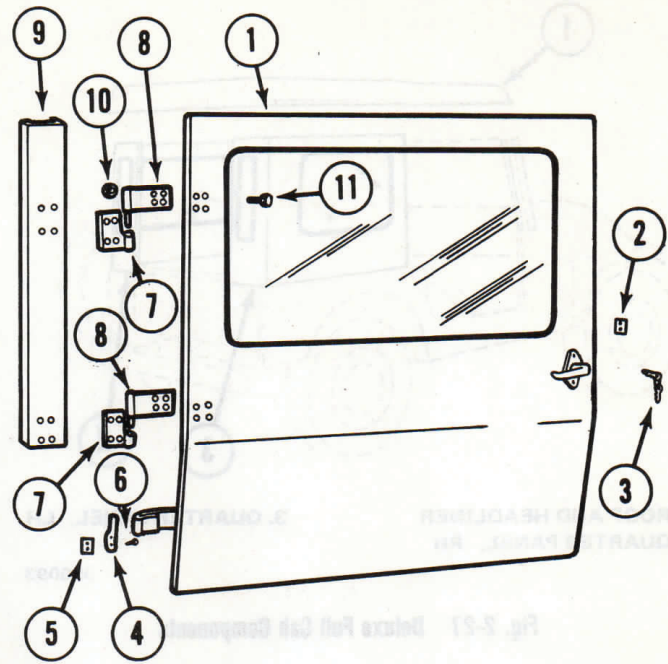
J50095

Fig. 2-29 Dome Lamp Installed



J50096

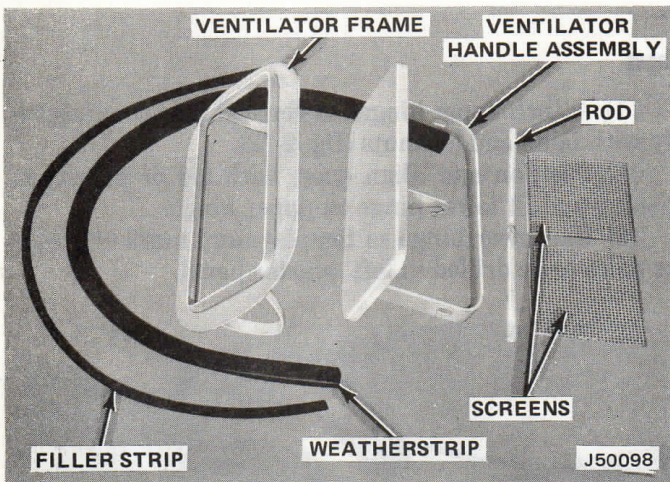
Fig. 2-30 Roof Ventilator Installed



- 1. VERTICAL REAR DOOR
- 2. STRIKER
- 3. KEYS
- 4. HOOK
- 5. REINFORCEMENT
- 6. SCREW
- 7. LOWER HINGE
- 8. UPPER HINGE
- 9. REINFORCEMENT
- 10. LOCKNUT
- 11. BOLT

J50099

Fig. 2-32 Vertical Rear Door Components

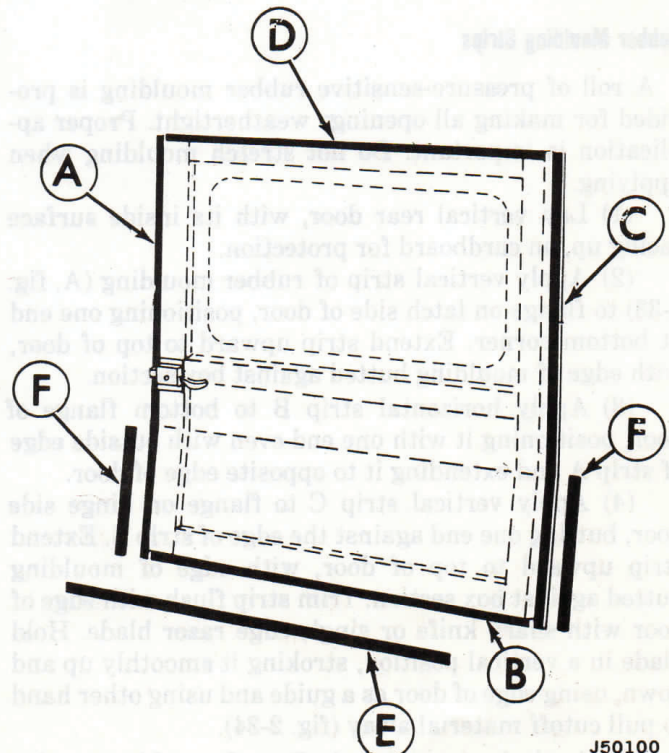


J50098

Fig. 2-31 Roof Ventilator Components

(4) Drill 9/32-inch hole through quarter panel at one hole location. Temporarily fasten hinge to quarter panel with bolt and locknut.

(5) Check door alignment and remaining hole locations for proper placement.



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Fig. 2-33 Vertical Rear Door Rubber Moulding Strips

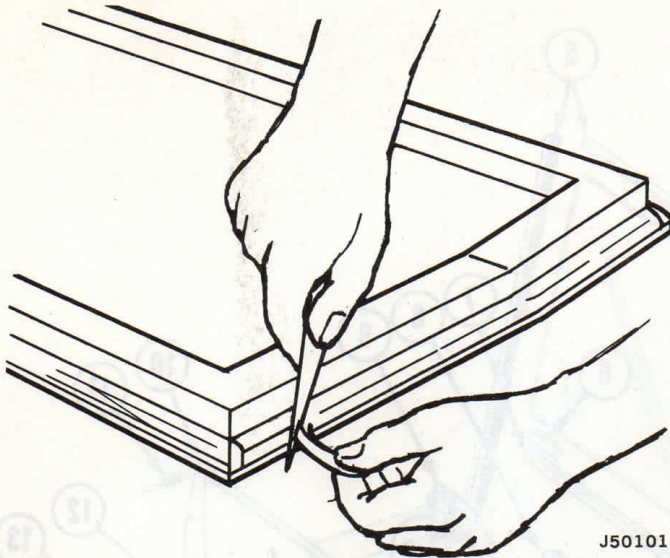


Fig. 2-34 Trimming Rubber Moulding Strip

(6) Remove hinge from quarter panel and drill remaining holes. Install hinge temporarily with bolts and locknuts.

(7) Hold door in proper position and fit lower hinge onto upper hinge (fig. 2-32). Use hinge as template and mark locations for holes to be drilled in left quarter panel.

(8) Drill 9/32-inch hole through quarter panel at one hole location and temporarily fasten hinge to quarter panel with bolt and locknut.

(9) Check door alignment and drill remaining holes through quarter panel using hinge as a guide.

(10) Remove door/upper hinge assembly from lower hinges. Remove lower hinges from quarter panel.

(11) Position hinge reinforcement inside left quarter panel in alignment with drilled holes (fig. 2-32). Install hinges with bolts and locknuts.

(12) Install door.

Door Check Components

(1) Open door to desired position (over 90° from closed position). While holding door in this position, swing end of door check rod into position over rear edge of floor and mark location (fig. 2-35).

(2) Drill 3/8-inch hole through floor at location previously marked and place end of door check rod into hole to hold door open.

(3) Hold door open using check rod and insert door strap hook into end loop of strap. Pull strap tight with hook, locate hook on side of wheelhousing, and use hook as template to mark hole locations.

(4) Drill 9/32-inch holes through wheelhousing at locations marked, and attach door strap hook to wheelhousing with bolts and locknuts.

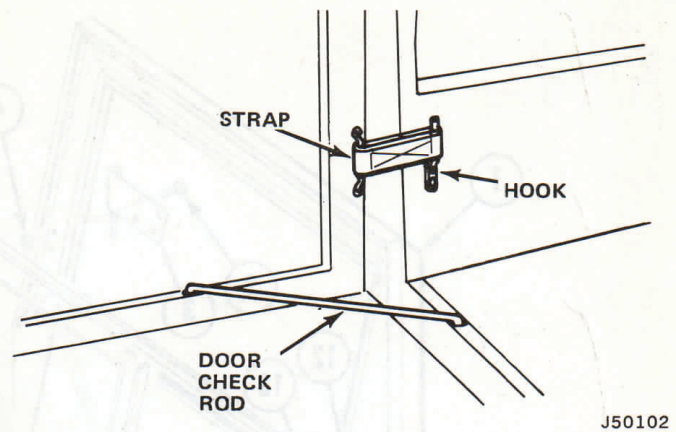


Fig. 2-35 Door Check Components

Striker

(1) Mark right quarter panel where door latch contacts. Use mark as a guide, locate striker on quarter panel, and mark hole locations.

(2) Drill two 7/32-inch holes through quarter panel at locations marked. Attach striker plate with screws and locknuts.

REPAIR/REPLACEMENT OF CAB COMPONENTS

Cab Doors

The cab door components and hardware items described and illustrated in figures 2-36 and 2-37 are common to half cabs and full cabs.

Door Latch and Outside Handle Removal

(1) Drill out rivets securing door latch to door (fig. 2-36). Remove latch.

(2) Remove screws and lockwashers securing outside handle. Remove handle and gasket.

Inner Door Panel Removal

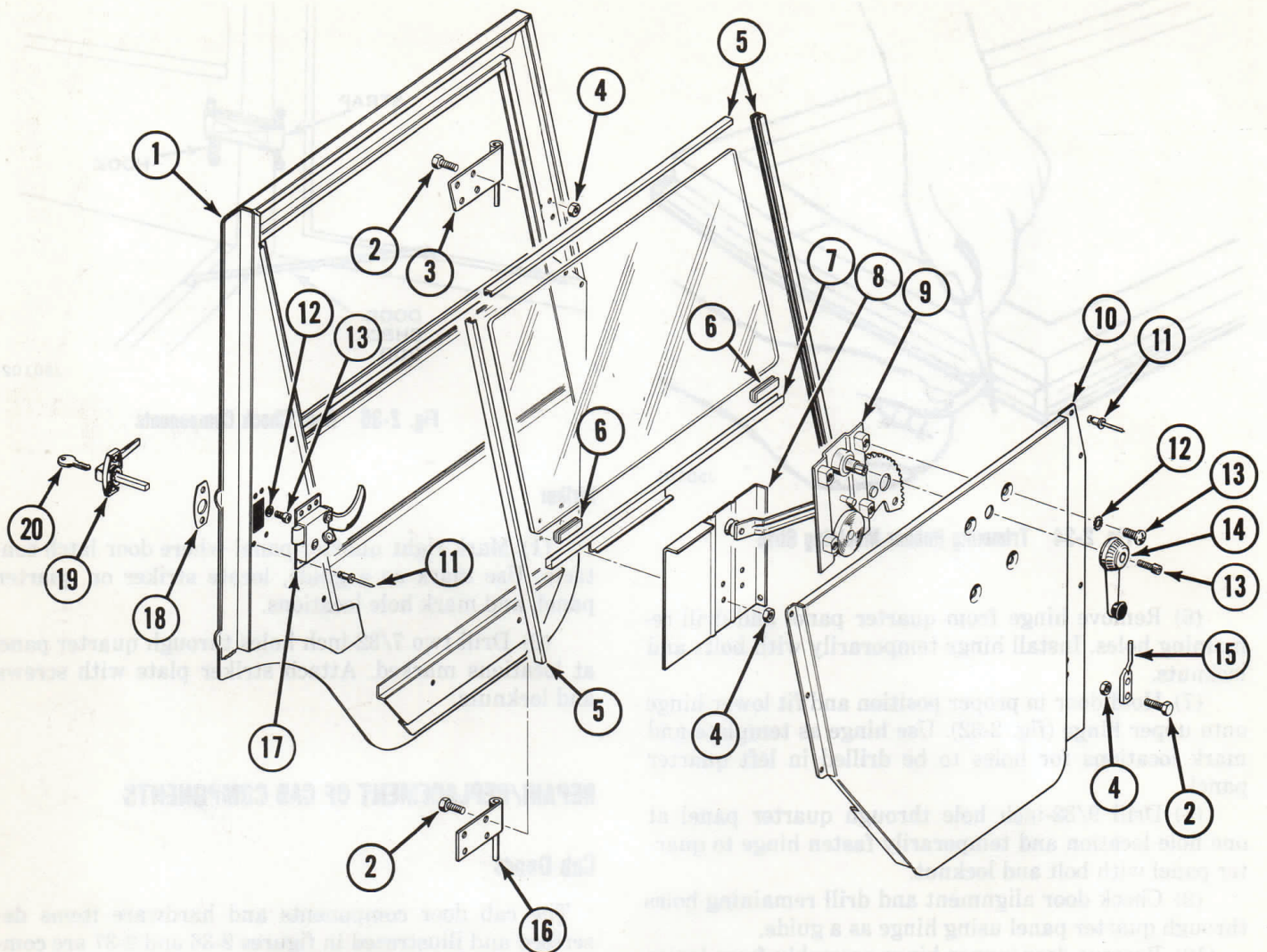
(1) Drill out rivets securing inner panel to door (fig. 2-37).

(2) Slide panel forward to disengage window regulator arm from lifter channel and remove panel.

Window Regulator Removal

(1) Remove window regulator handle (fig. 2-36).

(2) Remove inner door panel.



1. DOOR
2. BOLT
3. UPPER HINGE
4. LOCKNUT
5. WINDOW TRACK
6. SEAL STRIP

7. LIFTER CHANNEL
8. STIFFENER
9. WINDOW REGULATOR
10. INNER PANEL
11. RIVET
12. LOCKWASHER

13. SCREW
14. REGULATOR HANDLE
15. HOOK
16. LOWER HINGE
17. DOOR LATCH
18. GASKET

19. OUTSIDE HANDLE
20. KEY

J50103

Fig. 2-36 Cab Door Components

(3) Remove screws and lockwashers attaching window regulator to inner door panel. Remove regulator.

Cab Door Window Glass Removal

(1) Remove inner door panel (fig. 2-36).

(2) Remove bolts and locknuts securing lower hinge and door stiffener to door. Remove hinge and stiffener.

(3) Slide window glass out. If glass is to be replaced, remove lifter channel and two seal strips.

Cab Door Window Track Replacement

(1) Break adhesive bond with putty knife while pulling window track free over entire length (fig. 2-36). Remove window track.

(2) Apply 1/8-inch bead of 3M Super Weatherstrip Adhesive (or equivalent) over entire length of window channel.

(3) Position window track in door channel, starting at top, and press firmly into position.

Fixed Window Glass and Gasket Replacement

(1) Insert fiber stick or suitable tool into gasket to unsnap. Use finger to unlock entire length of gasket.

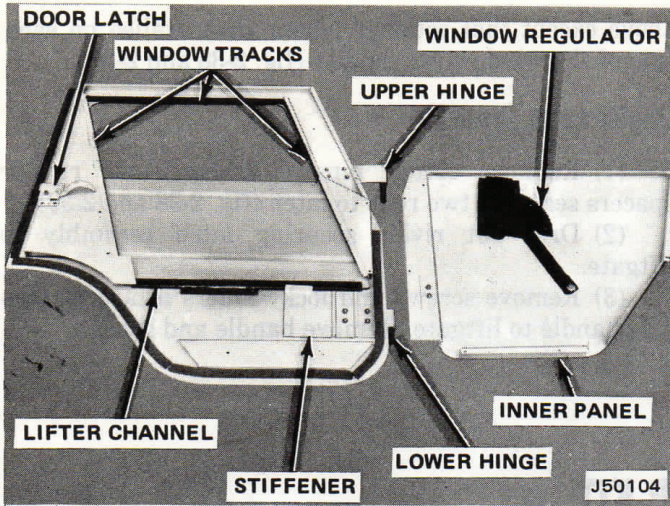


Fig. 2-37 Cab Door with Inner Panel Removed

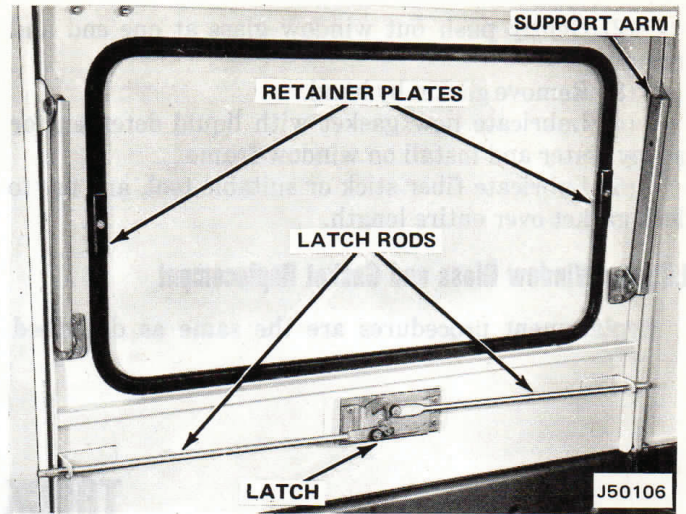
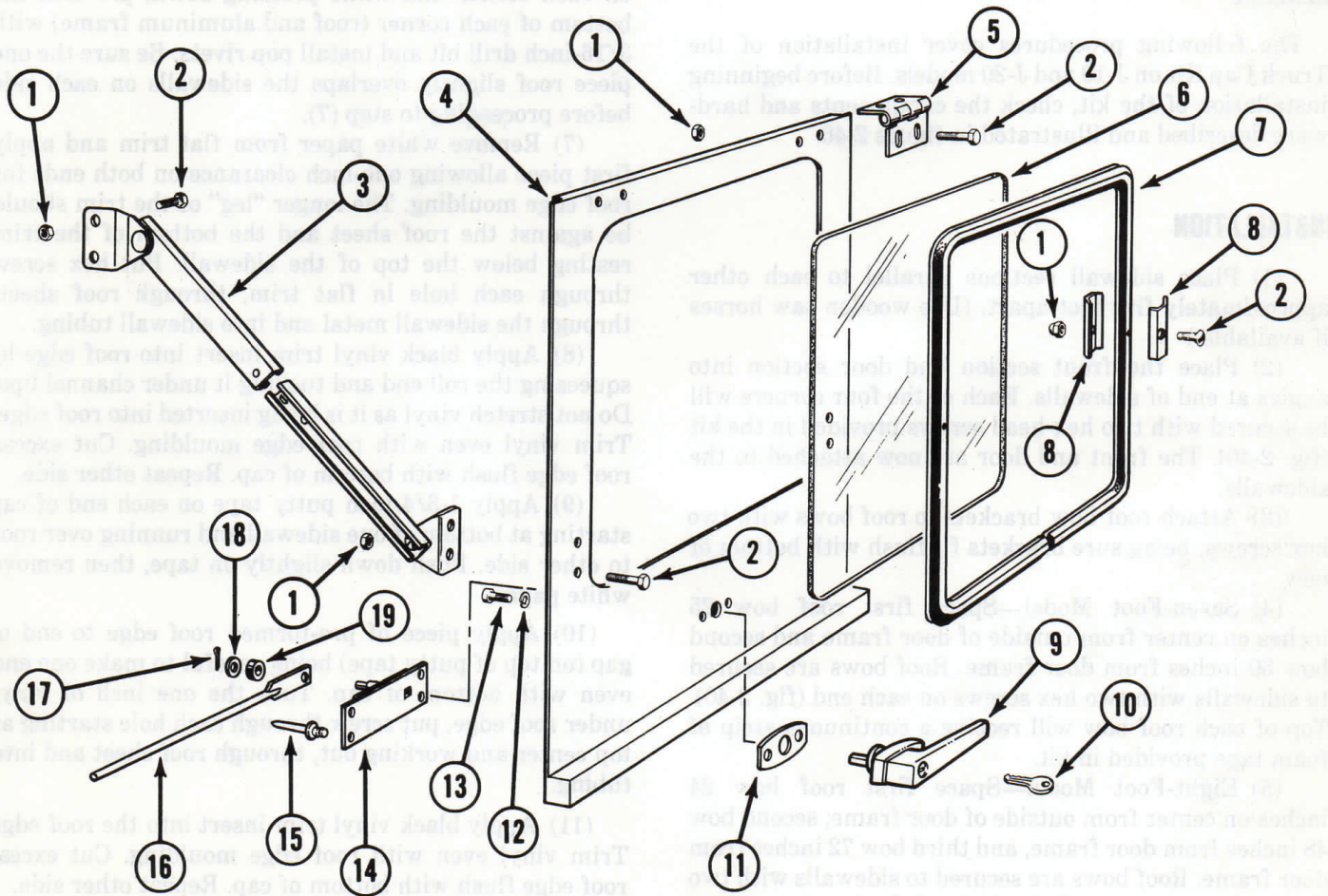


Fig. 2-38 Liftgate Components Installed



- | | | |
|----------------|-------------------|-------------------|
| 1. LOCKNUT | 8. RETAINER PLATE | 15. RIVET |
| 2. BOLT | 9. OUTSIDE HANDLE | 16. LATCH ROD |
| 3. SUPPORT ARM | 10. KEY | 17. COTTER PIN |
| 4. LIFTGATE | 11. GASKET | 18. WASHER |
| 5. HINGE | 12. LOCKWASHER | 19. RUBBER SPACER |
| 6. GLASS | 13. SCREW | |
| 7. WEATHERSEAL | 14. LATCH | |

Fig. 2-39 Liftgate Components

(2) Gently push out window glass at one end and remove.

(3) Remove gasket by hand.

(4) Lubricate new gasket with liquid detergent or soapy water and install on window frame.

(5) Lubricate fiber stick or suitable tool, and use to lock gasket over entire length.

Liftgate Window Glass and Gasket Replacement

Replacement procedures are the same as described

above except that retainer plates are installed on each side of the window for rigidity (fig. 2-38 and 2-39).

Liftgate Latch Assembly

(1) Remove cotter pins, washers, and rubber spacers securing two rods to latch (fig. 2-38 and 2-39).

(2) Drill out rivets securing latch assembly to liftgate.

(3) Remove screws and lockwashers attaching outside handle to liftgate. Remove handle and gasket.

TRUCK CAP KIT

GENERAL

The following procedures cover installation of the Truck Cap Kit on J-10 and J-20 models. Before beginning installation of the kit, check the components and hardware described and illustrated in figure 2-40.

INSTALLATION

(1) Place sidewall sections parallel to each other approximately five feet apart. (Use wooden saw horses if available.)

(2) Place the front section and door section into angles at end of sidewalls. Each of the four corners will be secured with two hex-head screws provided in the kit (fig. 2-40). The front and door are now attached to the sidewalls.

(3) Attach roof bow brackets to roof bows with two hex screws, being sure brackets fit flush with bottom of bow.

(4) Seven-Foot Model—Space first roof bow 25 inches on center from outside of door frame and second bow 50 inches from door frame. Roof bows are secured to sidewalls with two hex screws on each end (fig. 2-40). Top of each roof bow will receive a continuous strip of foam tape provided in kit.

(5) Eight-Foot Model—Space first roof bow 24 inches on center from outside of door frame; second bow 48 inches from door frame, and third bow 72 inches from door frame. Roof bows are secured to sidewalls with two hex screws on each end (fig. 2-40). Top of each roof bow will receive a continuous strip of foam tape provided in kit.

(6) After finding the center of the front and back frame (place a tape measure over each end frame and mark center), fit the one piece roof so that the center marks on each end of the roof line up with the end frame centers located above. Pre-drill centers with 3/16-inch drill bit (roof and aluminum frame) and install one pop rivet in each end. Firmly press down roof at the radius

on each corner and while pressing down, pre-drill the bottom of each corner (roof and aluminum frame) with 3/16-inch drill bit and install pop rivets. Be sure the one piece roof slightly overlaps the sidewalls on each side before proceeding to step (7).

(7) Remove white paper from flat trim and apply first piece allowing one-inch clearance on both ends for roof edge moulding. The longer "leg" of the trim should be against the roof sheet and the bottom of the trim resting below the top of the sidewall. Put hex screw through each hole in flat trim, through roof sheet, through the sidewall metal and into sidewall tubing.

(8) Apply black vinyl trim insert into roof edge by squeezing the roll end and tucking it under channel lips. Do not stretch vinyl as it is being inserted into roof edge. Trim vinyl even with roof edge moulding. Cut excess roof edge flush with bottom of cap. Repeat other side.

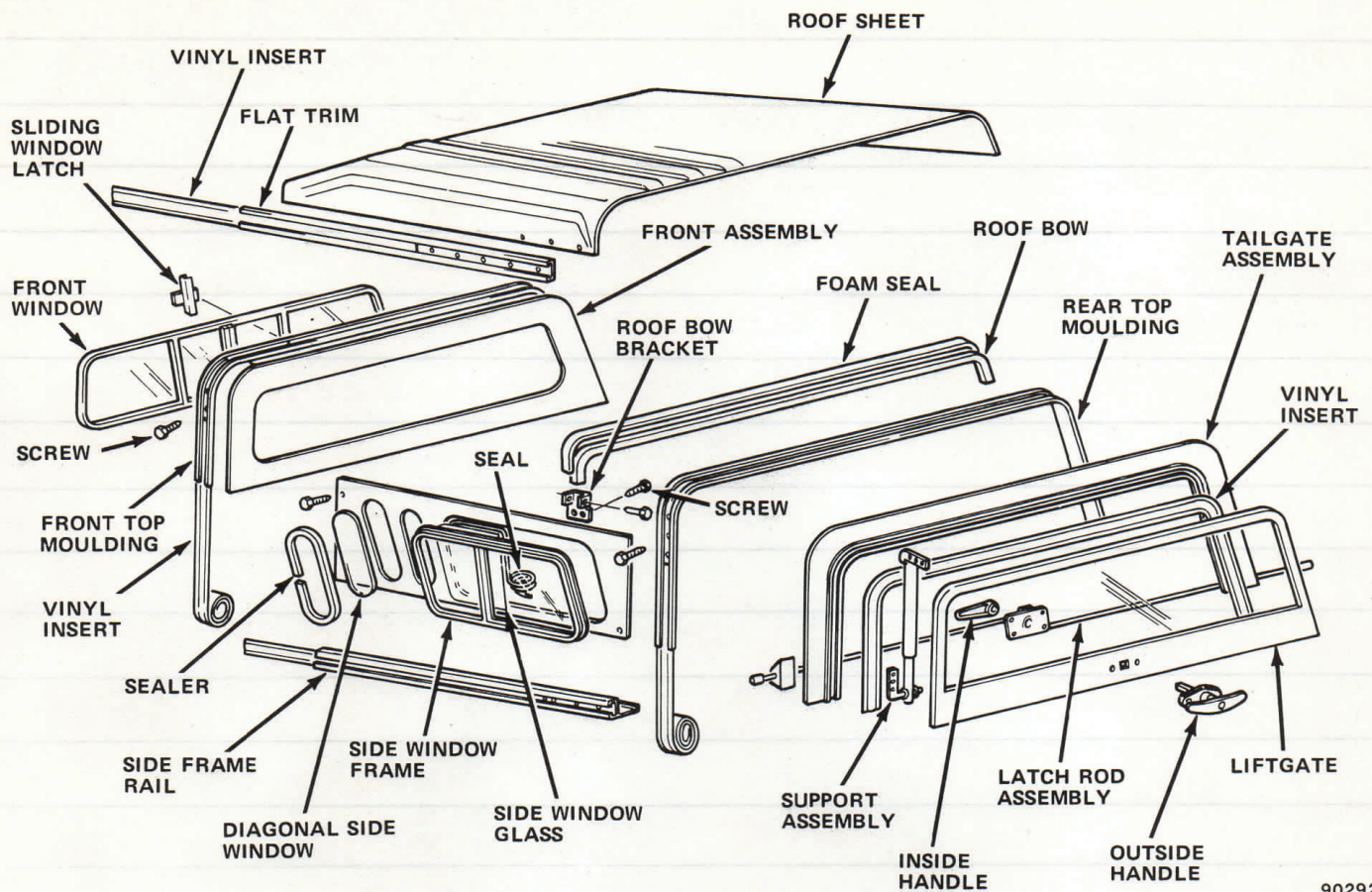
(9) Apply 1-3/4-inch putty tape on each end of cap starting at bottom of one sidewall and running over roof to other side. Push down slightly on tape, then remove white paper.

(10) Apply piece of pre-formed roof edge to end of gap (on top of putty tape) being careful to make one end even with bottom of cap. Tuck the one inch of vinyl under roof edge, put screw through each hole starting at top center and working out, through roof sheet and into tubing.

(11) Apply black vinyl trim insert into the roof edge. Trim vinyl even with roof edge moulding. Cut excess roof edge flush with bottom of cap. Repeat other side.

(12) Drill and install pop rivets (from bottom of cap) through mounting rail into tubing at each of the four corners of the cap (two pop rivets each corner).

(13) Clean truck box rail free of dirt and moisture and carefully lay mounting tape over stake pockets on both sides and two layers on front rail. Carefully line up cap on Jeep truck box, being careful inside mounting rails are even with inside of box and door shuts easily with tight fit on tailgate.



90292

Fig. 2-40 Truck Cap Components

(14) After unit is positioned on truck, drill three 3/8-inch holes through both mounting rails and truck rails spaced evenly. Install 3/8 x 1-1/2 bolts, washers and nuts.

NOTE: In some cases, additional or replacement fasteners may be required to complete an installation. When necessary, obtain the required parts from your stock.