

TB 9-2855-17

TO 19-75CFBA-17

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

DEPARTMENT OF THE AIR FORCE TECHNICAL ORDER

---

---

**INSTRUCTIONS FOR THE INSTALLATION OF  
HARD-TOP CLOSURE KIT FOR 2½-TON 6X6  
CARGO TRUCK M135 (GMC, 24V) (SNL G-749)**

---

---

Departments of the Army and the Air Force, Washington 25, D. C.

2 June 1953

This bulletin is correct to 7 May 1953

	<i>Paragraphs</i>	<i>Pages</i>
Scope.....	1	1
Applications.....	2	1
Description.....	3	2
Preliminary preparation of vehicle.....	4	2
Preparation of the hard-top closure.....	5	6
Installation of the hard-top closure.....	6	6
Installation of body front end rack.....	7	12

**1. Scope.** *a.* These instructions are published for the information and guidance of all personnel concerned with the installation of the hard-top closure for the 2½-ton 6x6 cargo truck M135 (GMC) (fig. 1) having a 24-volt electrical system.

*b.* Pending the publication of changes to or revisions of current technical manuals pertaining to this vehicle, this bulletin will serve as a supplement to these manuals. In case of conflict between data in this bulletin and earlier publications, including the manufacturer's instruction manual, the data in this bulletin will govern.

**2. Applications.** *a.* The hard-top closure kit is normally for use only in areas where ambient air temperatures as low as -65° F., are anticipated. It is installed in conjunction with the power plant heater kit (TB 9-2855-16).

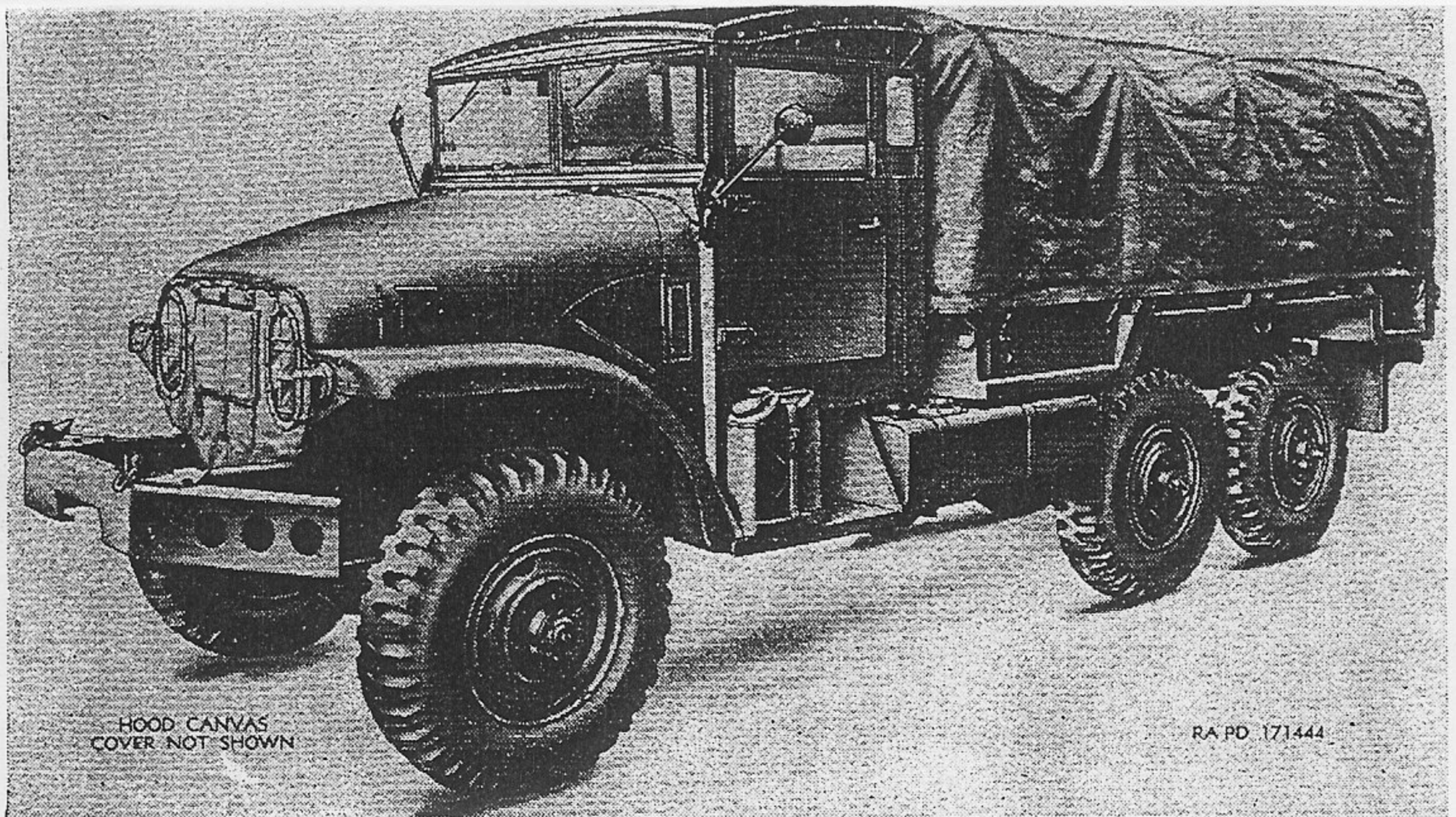


Figure 1. 2½-ton 6X6 cargo truck M135 (GMC)—hard-top closure kit installed.

b. The kit is to be installed by ordnance maintenance units or by troop units under the supervision of ordnance mechanics.

c. The sequence of operations given herein is the result of trial installations; however, deviation from strict adherence thereto to suit individual conditions is permissible. When interference is encountered in the installation of wind rization kits because of the peculiar shape of the vehicle due to modifications or damage, a field expedient may be resorted to by the installation personnel to correct the particular interference.

d. For information on the operation and organizational maintenance of the vehicle, refer to TM 9-819A.

**3. Description** (fig. 2). a. The hard-top closure kit consists of the top panel, back panel, and quarter-side panels, with the necessary insulations and seals.

b. The kit is packaged under the title "HARD-TOP CLOSURE KIT" and bears the stock number G249-5701466 and the ordnance part number 7355578.

**4. Preliminary Preparation of Vehicle.** a. *Removal of top deck.*

- (1) Untie top-deck lashing rope from top-bow set screw handle at each side of cab.
- (2) Pull ropes from loops in sides of rear curtain and then disengage ropes from hooks on roof panels.

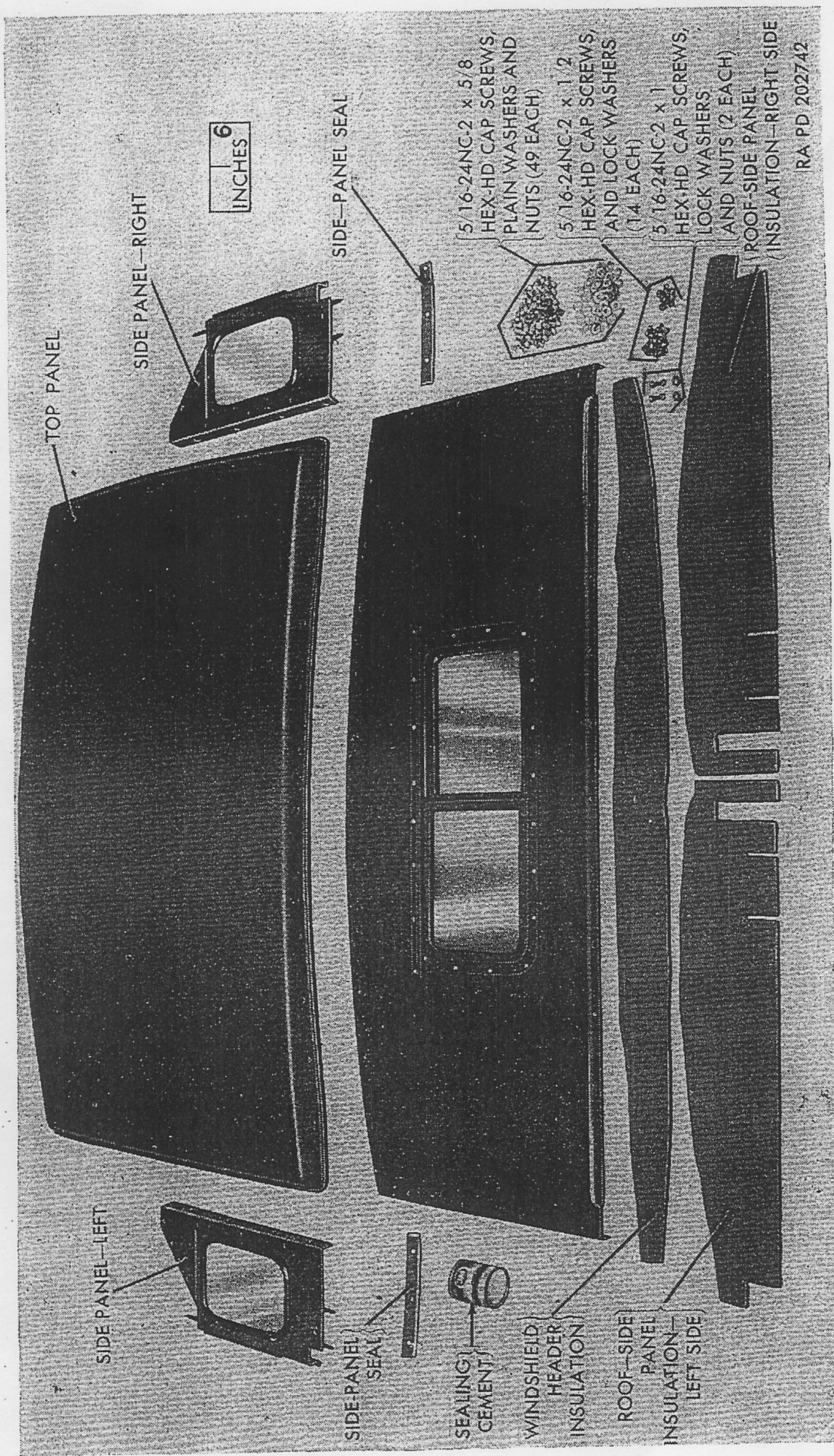
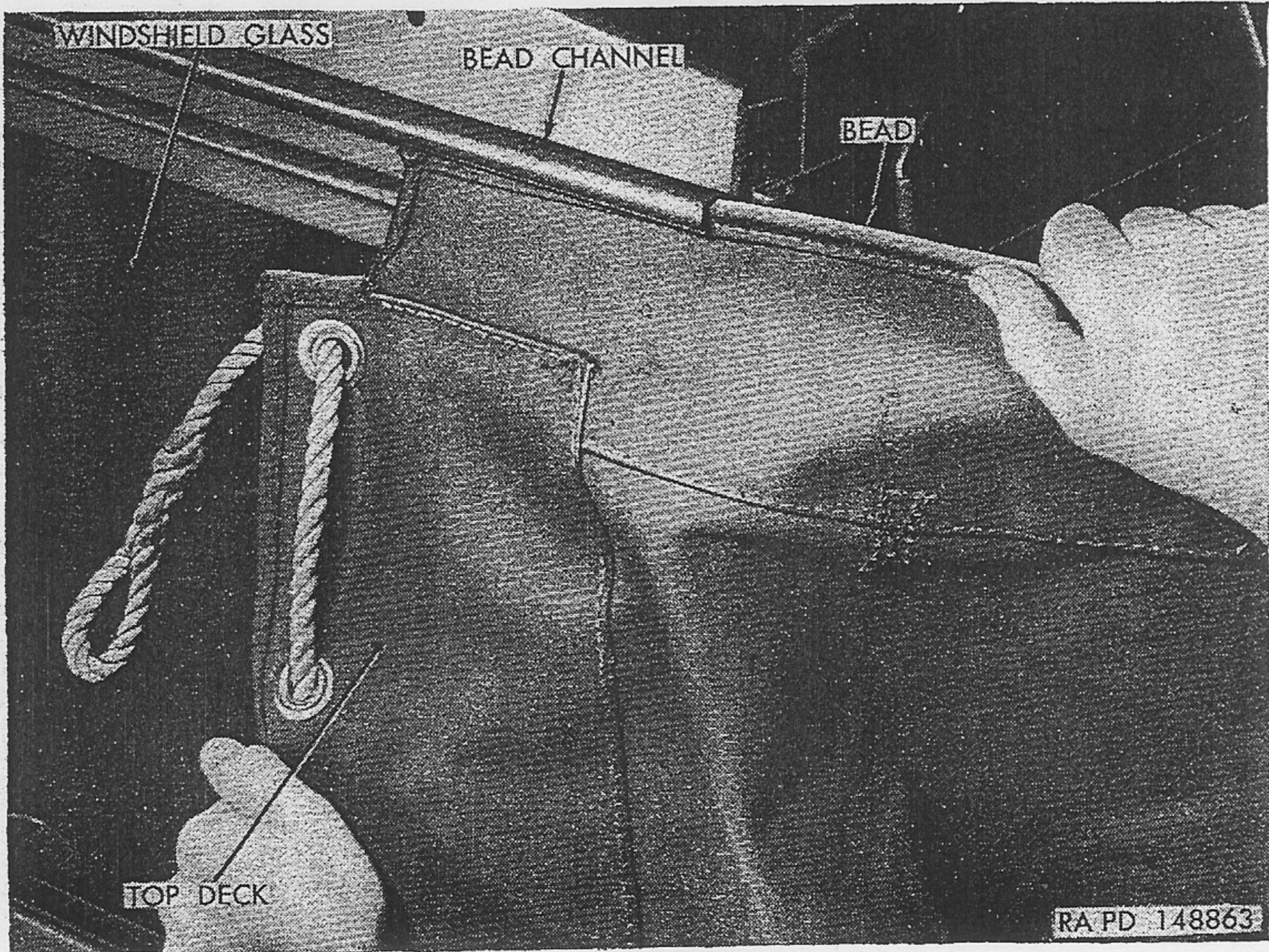


Figure 2. Hard-top closure kit components.

- panel.
- (4) Lift top deck over top bow and windshield onto the engine hood.
  - (5) From either side, pull bead of canvas top deck from bead channel as upper-front of windshield frame, as shown in figure 3.
  - (6) Return top deck to storage.



*Figure 3. Removing top deck from windshield channel.*

*b. Removal of rear curtain.*

- (1) Untie rear curtain lashing rope from each top-bow set screw handle.
- (2) Disengage lashing rope from hooks on inside of cab rear panel.
- (3) Remove rear curtain from top bow and return to storage.
- (4) Insert legs of bow through sockets and tighten top-bow set screw on each side of cab.

*c. Removal of roof-side and side panels.*

- (1) Push each roof-side panel straight upward to disengage it from windshield support, top-bow anchor, and side-panel studs, as shown in figure 4. Set aside for subsequent use.
- (2) Remove both side panels (fig. 4) and return to storage.



Figure 4. Removing roof and side panels.

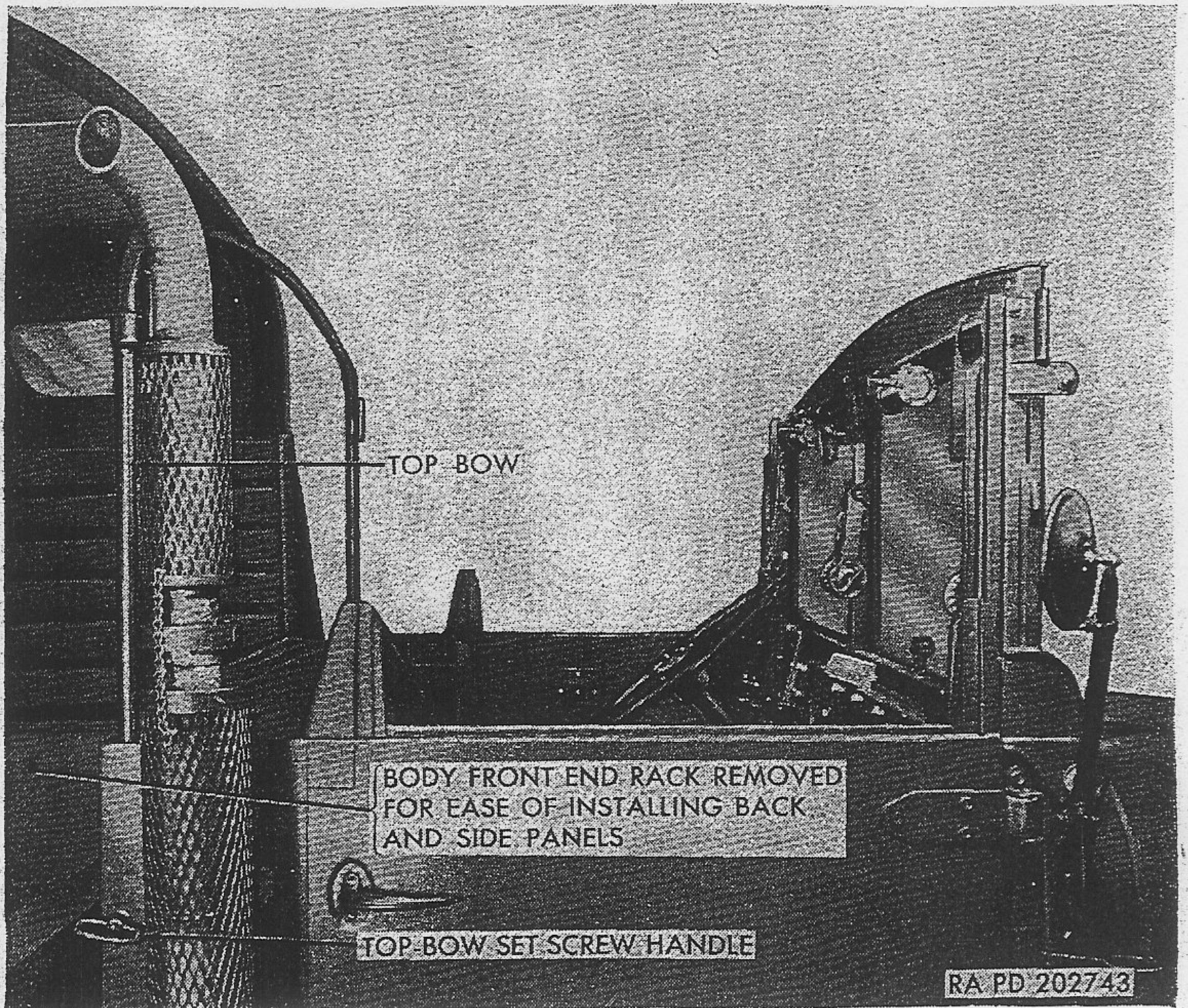


Figure 5. Top deck, rear curtain, roof and side panels removed from cab.

- (3) Loosen both top-bow set screws and then pull top bow, with rear curtain, straight upward and out of the sockets.

*d. Front end rack.* Unlatch and remove the body front end rack, as shown in figure 5, to facilitate the installation of the back and side panels.

*Note.* If vehicle shelter is installed, it is not necessary to remove front end rack.

**5. Preparation of the Hard-Top Closure.** *a.* Place the back panel on the floor and assemble the left and right side panels to the back panel, using three  $\frac{5}{16}$  x  $\frac{1}{2}$  hex-head cap screws, nuts, and lock washers at each side, as shown in figure 6.

*b.* Turn back and side panel group over so that the side panels rest on floor. Place a support under the back panel. Exercise care not to break windows. Further secure the side panels to the back panel, using four  $\frac{5}{16}$  x  $\frac{1}{2}$  hex-head cap screws and lock washers at each end, as shown in figure 6.

*Note.* All heads of cap screws are on the outside. Do not tighten fully until panels are mounted on chassis.

**6. Installation of the Hard-Top Closure.** *a. Back and side panel group.*

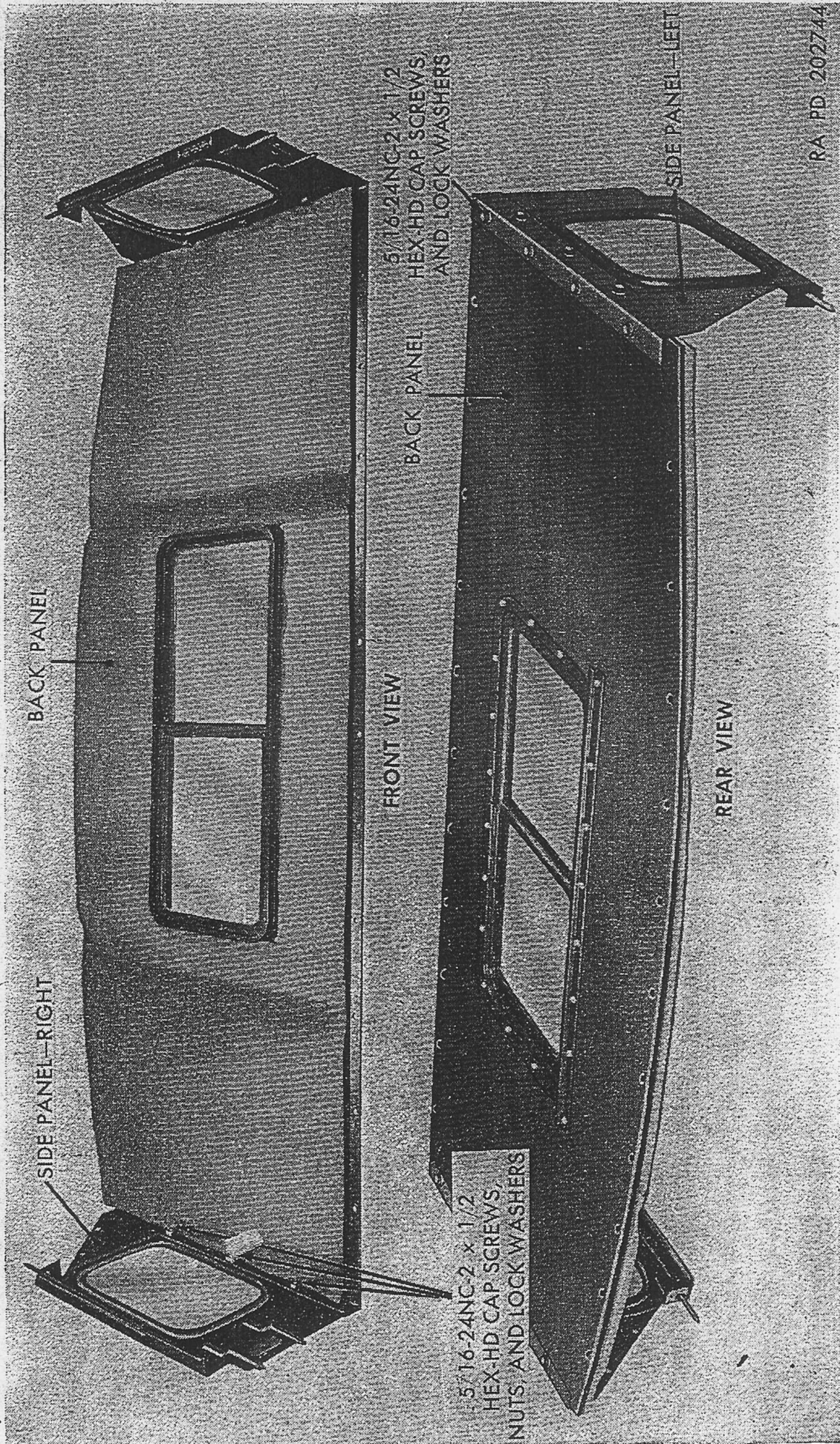
- (1) Place back and side panel group on vehicle so that the bottom holes in back panel aline with holes in chassis and two side panel clips rest in the chassis sockets (fig. 7).
- (2) Install eleven  $\frac{5}{16}$  x  $\frac{5}{8}$  hex-head cap screws with plain washers and hex nuts in bottom holes of back panel and chassis, as shown in figure 8.

*Note.* Do not tighten nuts until all holes are alined. Insert center screw first and work toward ends. Use drift pin, if necessary. Heads of screws should be on outside of vehicle.

*Note.* If front rack was not removed, slide rear glass from side to side and install screws at top and bottom of back panel.

*b. Roof-side panels.*

- (1) Place one side-panel seal on each side panel, with the flange toward inside and with the hole nearest the end over the panel stud. Raise top bow to approximate required height.
- (2) Install original vehicle right and left roof-side panels so that they rest on roof-side panel windshield supports, top-bow anchors, and side-panel studs; holes in seals aline with holes in panels, as shown in figure 9. Adjust top bow to suit. Locate the two holes of side panel on right



RA PD 202744

Figure 6. Side panels assembled to back panel.

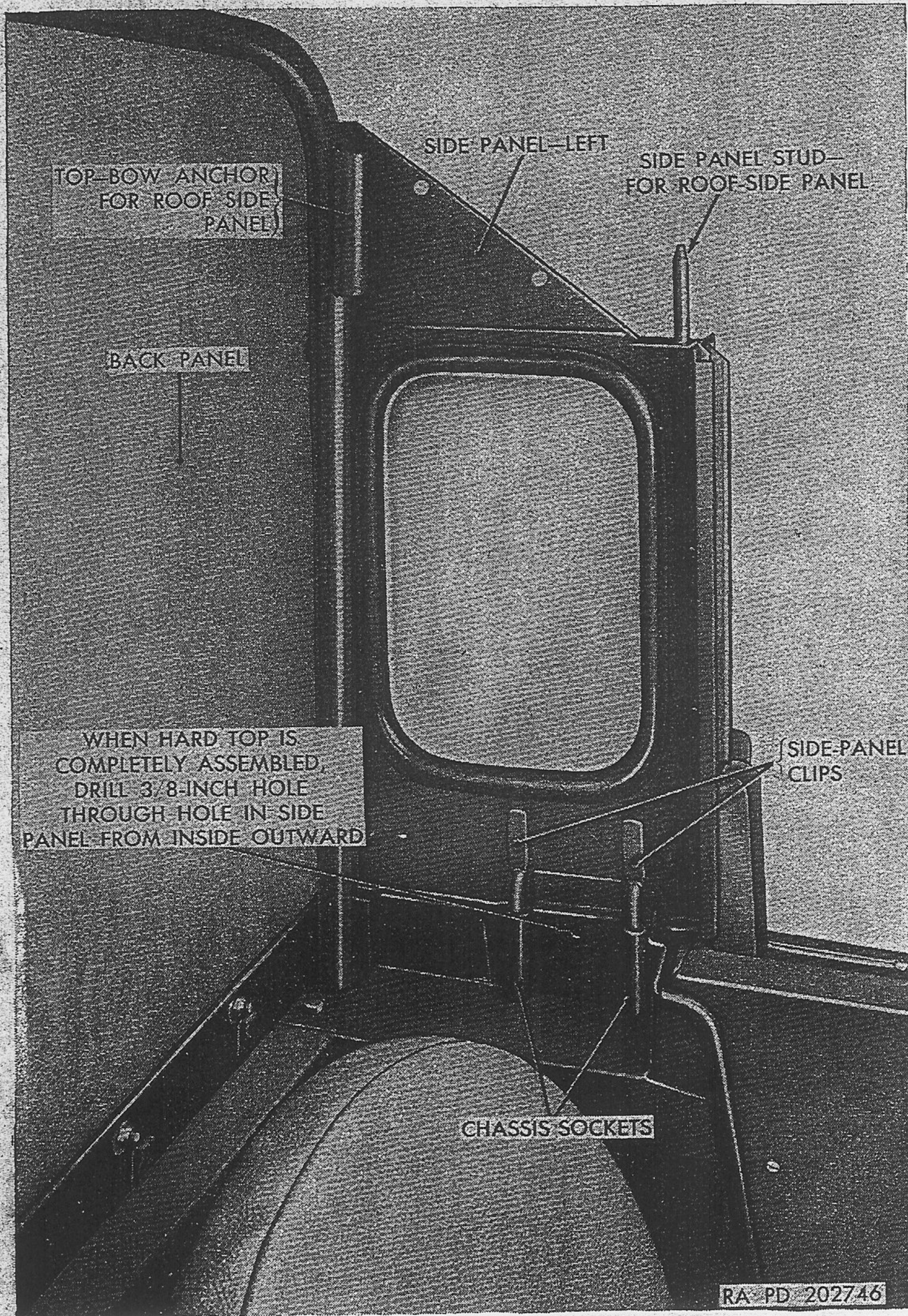


Figure 7. Back and side panels installed—inside view.

roof-side panel, remove roof-side panel, drill two  $\frac{3}{8}$ -inch holes, and install roof-side panel. Left side is drilled in c(4) below.

*Note.* Holes in seal should aline with holes in panel. This is necessary because of interference of exhaust stack.



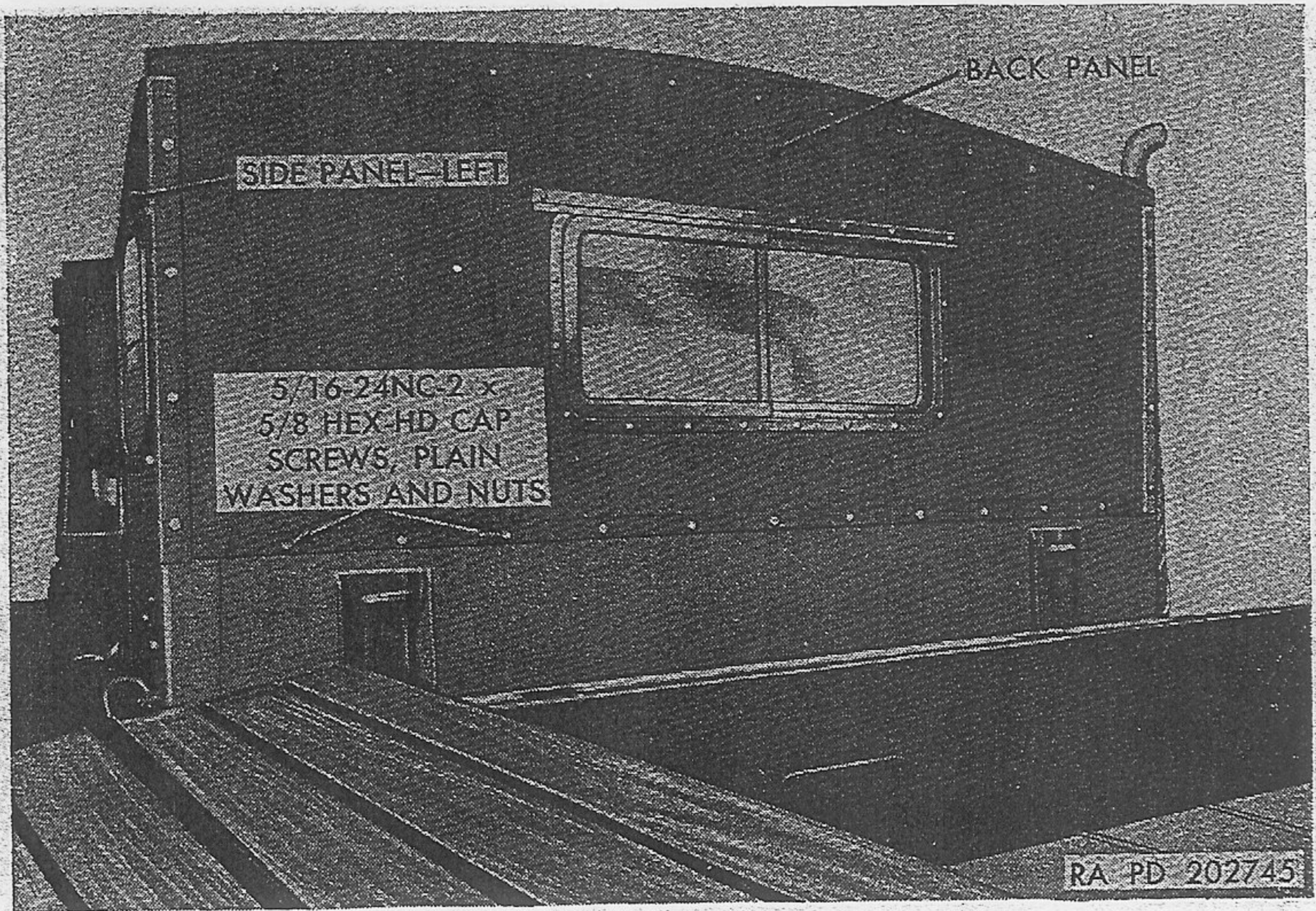


Figure 8. Back and side panels installed—rear view.

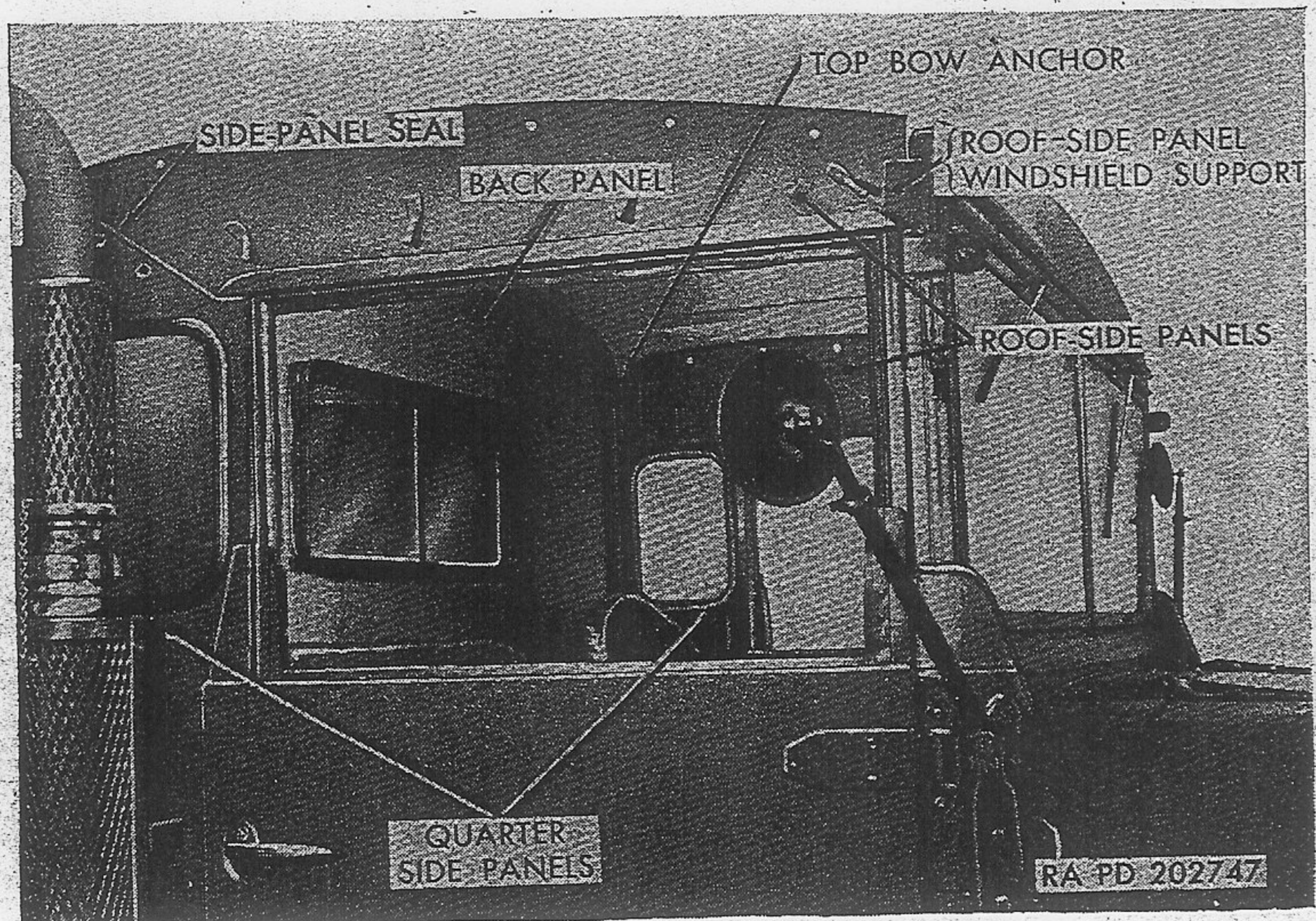


Figure 9. Roof-side panels installed.

c. Top panel.

- (1) Place the top panel on the vehicle, as shown in figure 10.
- (2) Loosen the top-bow set screws on both sides of the cab and lower top bow to facilitate installation.

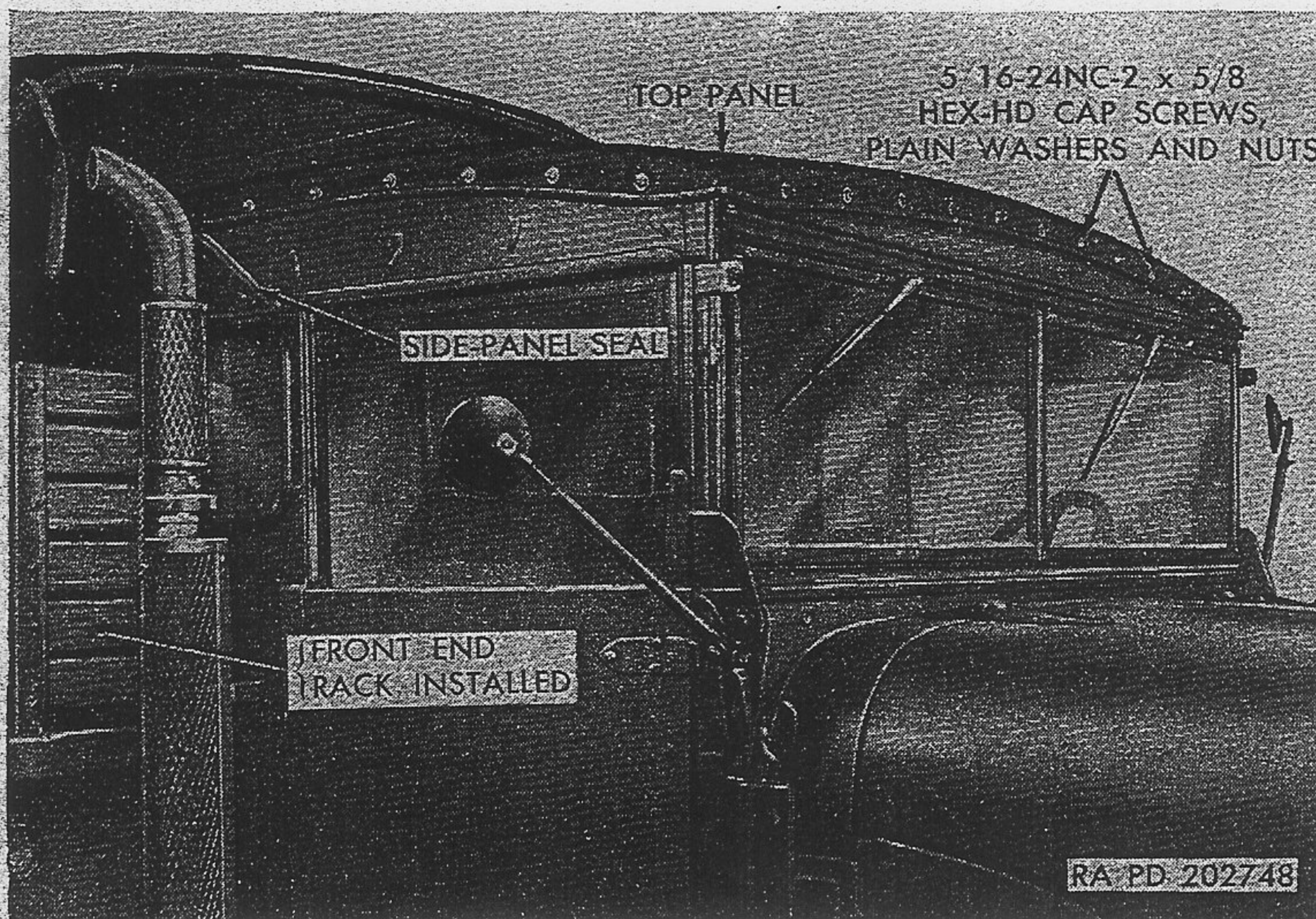
- (3) Aline all holes of the top panel with those of the wind-shield header, roof-side panels, and back panel and secure with  $\frac{5}{16}$  x  $\frac{5}{8}$  hex-head cap screws, plain washers, and hex nuts all around, as shown in figure 10. Do not tighten nuts until all holes are alined.

*Note.* Insert center screw first and work toward ends. Use drift pin, if necessary. Heads of screws should be on inside of cab.

- (4) Using the left side panel as a template, drill two  $\frac{3}{8}$ -inch holes from the outside through the roof-side panel, as shown in figure 11.
- (5) Insert two  $\frac{5}{16}$  x  $\frac{5}{8}$  hex-head cap screws from inside of cab through holes in side panels, seals, and roof-side panels, install washers and nuts on outside, and tighten.
- (6) Using the side panels as templates, drill one  $\frac{3}{8}$ -inch diameter hole on each side from inside of cab, as shown in figure 7. Insert the  $\frac{5}{16}$  x 1 hex-head cap screws from inside of cab and secure with lock washers and nuts, as shown in figures 9 and 11.

#### *d. Insulation.*

- (1) Apply sealing cement to inside of the two roof-side panels. When cement becomes tacky, install the roof-side panel insulations, leaving approximately  $\frac{7}{8}$ -inch overhang at front, as shown in figure 12. Apply the in-



*Figure 10. Top panel installed.*

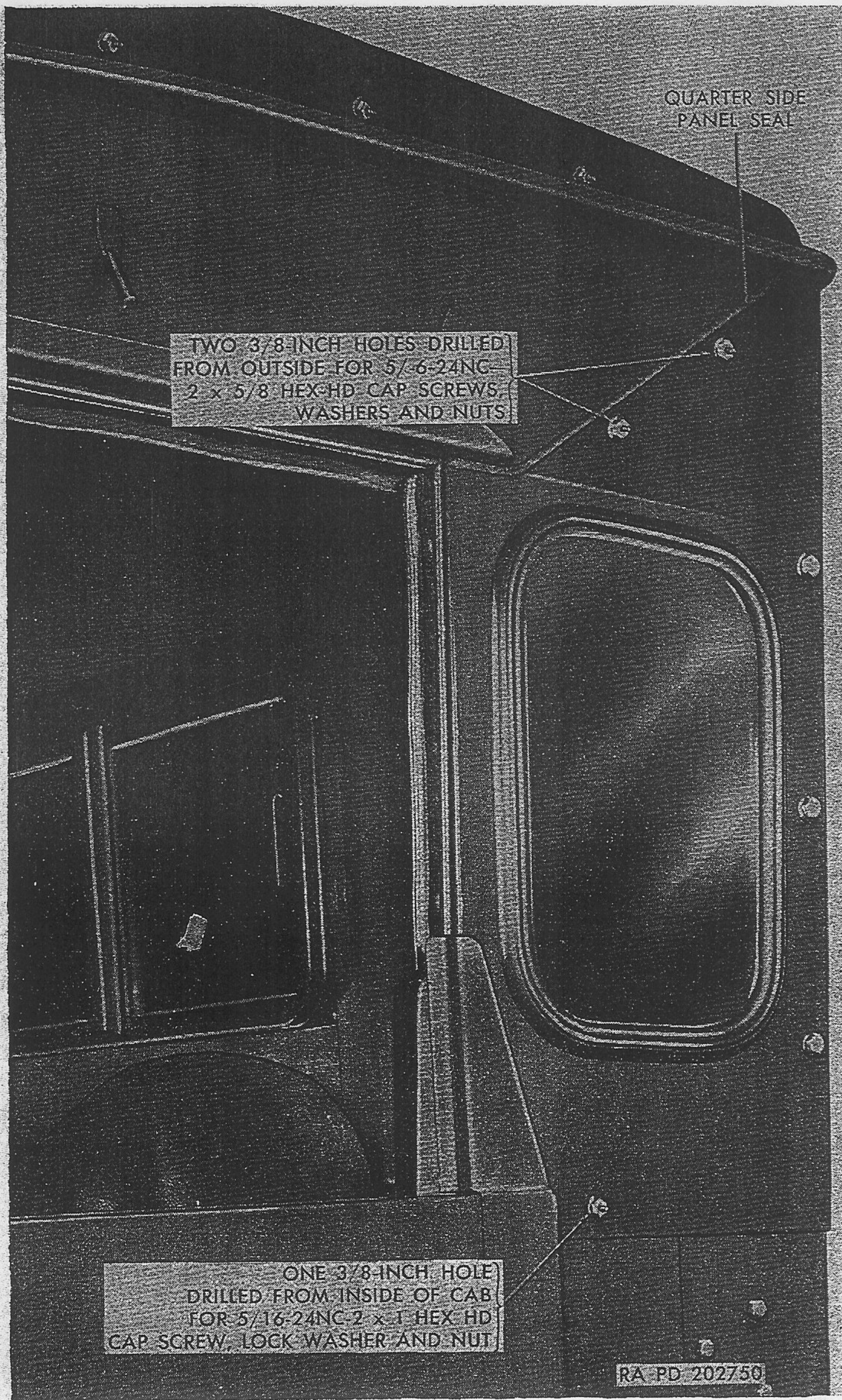


Figure 11. Side panel secured to roof-side panel and chassis.

sulations so that they butt tightly against the top panel insulation.

- (2) Apply sealing cement to inside of windshield header and install windshield header insulation, as shown in figure 12. Apply the insulation so that it butts tightly against the roof and side panel insulations.
- (3) Cement the loose end of the back panel insulation and tuck it over and between screws. Butt top and back panel insulations tightly together.
- (4) Check side panel seals and adjust, if necessary; rough side should be against the panels.

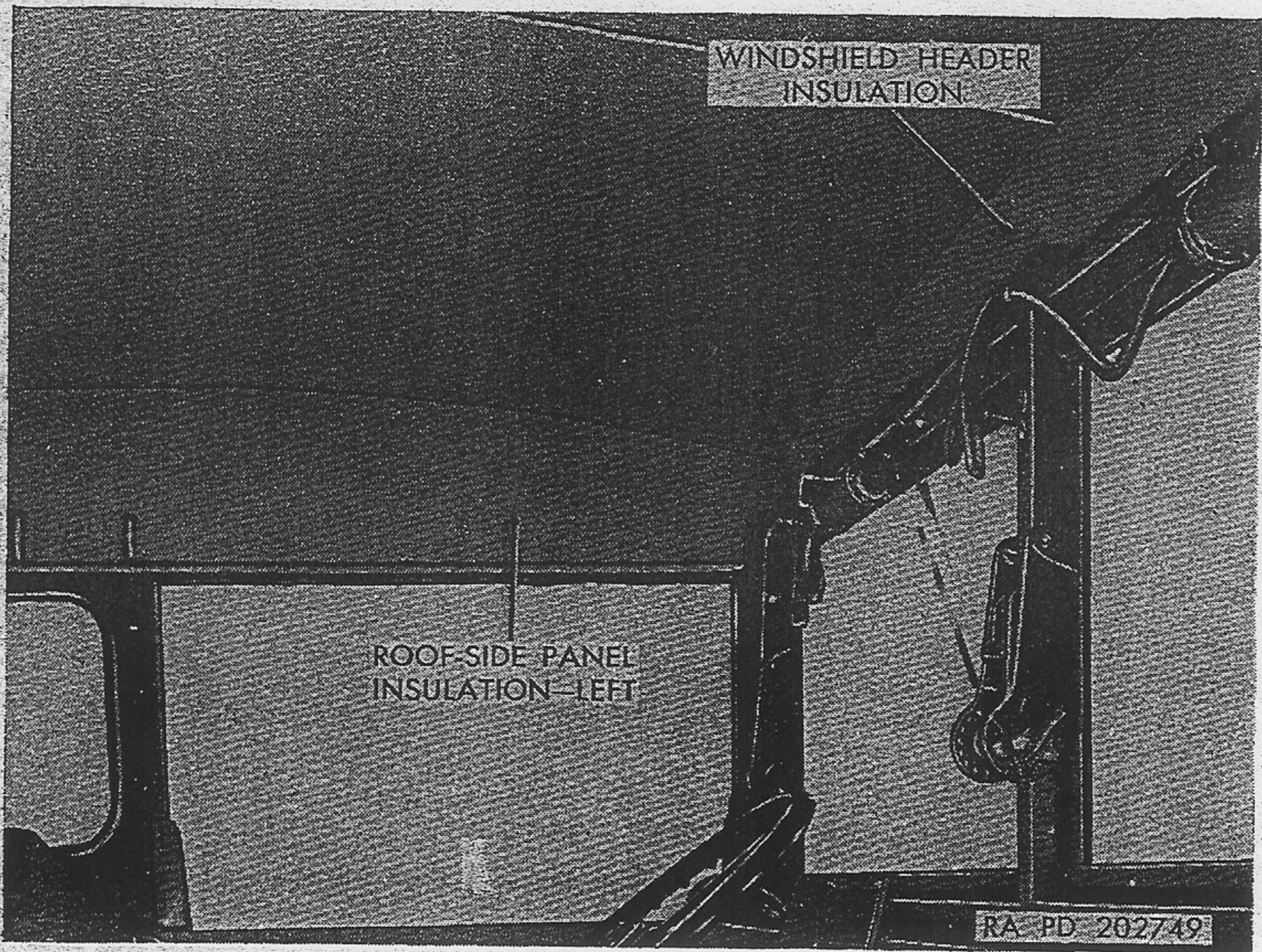


Figure 12. Roof-side panel and windshield header insulations installed.

7. Installation of Body Front End Rack. *a. Body rack.* Place body front end rack into position on vehicle.

*b. Spare wheel.* Position spare wheel on carrier bracket and install the lock plate. Install nut and tighten securely.

BY ORDER OF THE SECRETARIES OF THE ARMY AND THE AIR  
FORCE:

OFFICIAL:

WM. E. BERGIN  
*Major General, USA*  
*The Adjutant General*

J. LAWTON COLLINS  
*Chief of Staff*  
*United States Army*

OFFICIAL:

K. E. THIEBAUD  
*Colonel, USAF*  
*Air Adjutant General*

HOYT S. VANDENBERG  
*Chief of Staff*  
*United States Air Force*

DISTRIBUTION:

*Active Army:*

Tech Svc (1); Tech Svc Bd (2); AFF (3); AA Comd (2); OS Maj Comd (5); Base Comd (2); MDW (3); Log Comd (5); A (5); CHQ (2); Div (2); Regt 9 (2); Bn 9 (2); Co 9 (2); FT (2); Sch (5) except 9 (50); PMS&T 9 (1); Gen Dep (2); Dep 9 (10); POE (5); OSD (2); PRGR 9 (10); Ars 9 (10); Proc Dist 9 (10); Mil Dist (3).

*NG:* Same as Active Army except one copy to each unit.

*Army Reserve:* Same as Active Army except one copy to each unit.

For explanation of distribution formula, see SR 310-90-1.