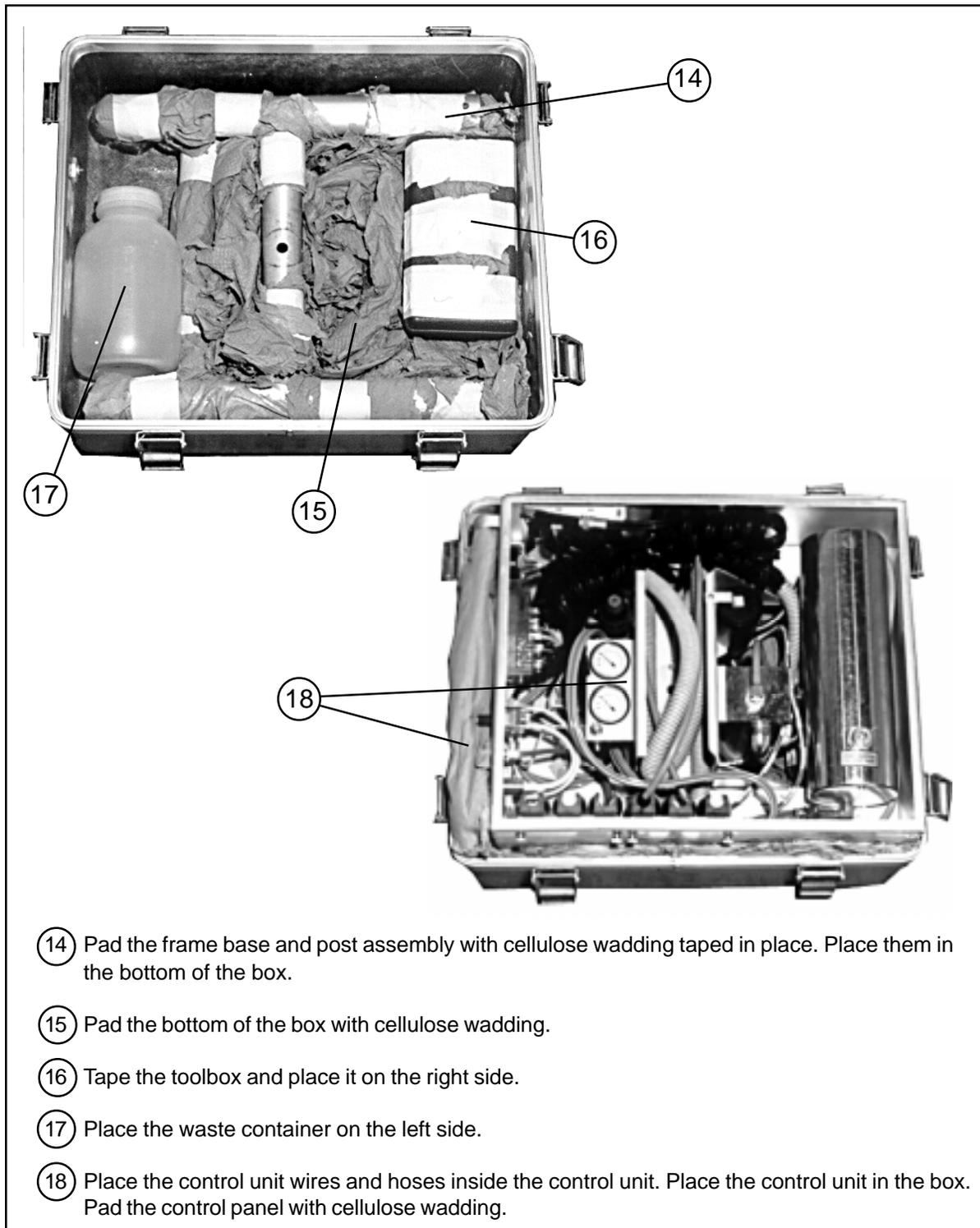


Figure 5-14. Dental Operative Field Set Rigged in M998 Tuck (continued)



- ⑭ Pad the frame base and post assembly with cellulose wadding taped in place. Place them in the bottom of the box.
- ⑮ Pad the bottom of the box with cellulose wadding.
- ⑯ Tape the toolbox and place it on the right side.
- ⑰ Place the waste container on the left side.
- ⑱ Place the control unit wires and hoses inside the control unit. Place the control unit in the box. Pad the control panel with cellulose wadding.

Figure 5-14. Dental Operative Field Set Rigged in M998 Tuck (continued)

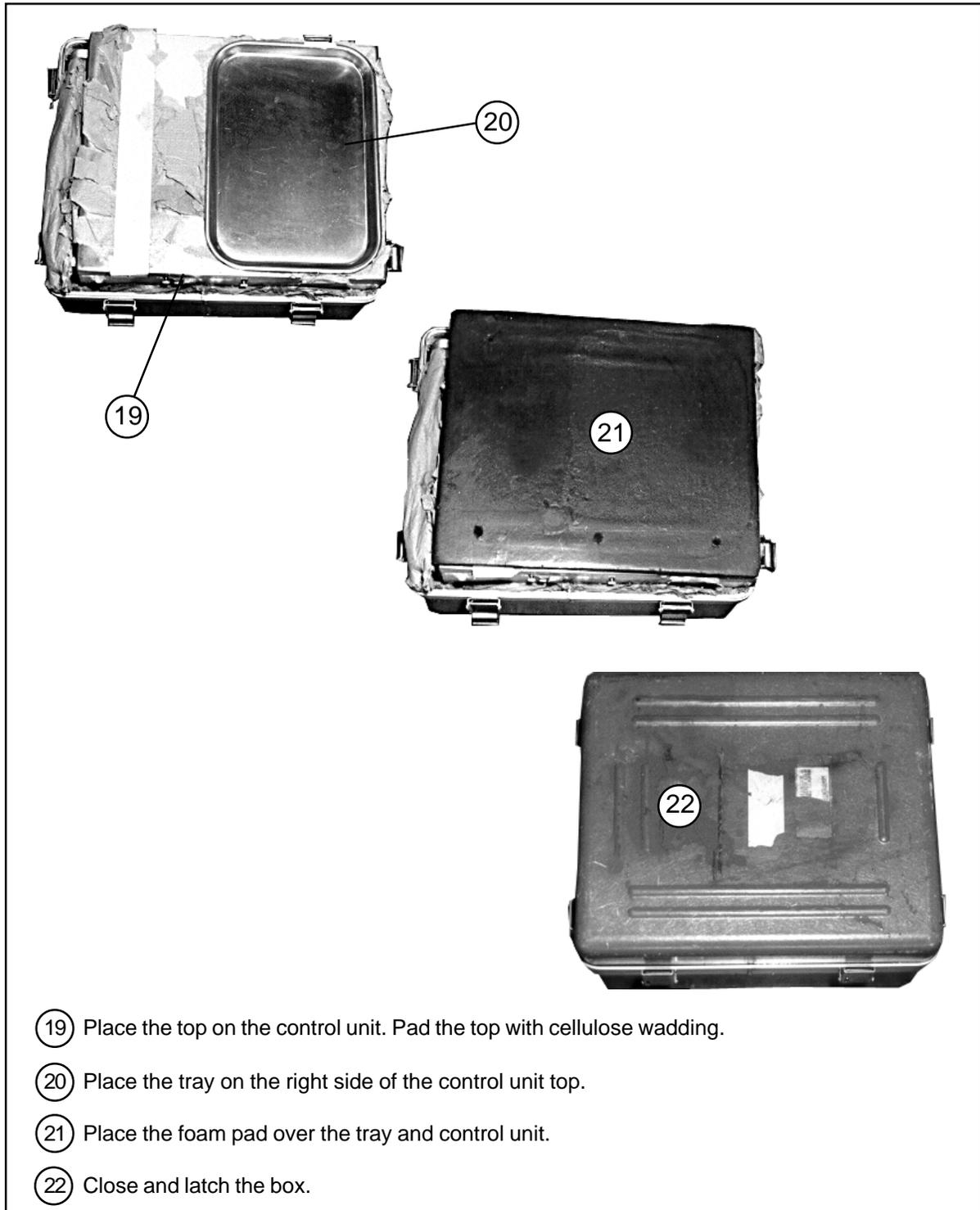


Figure 5-14. Dental Operative Field Set Rigged in M998 Tuck (continued)



Figure 5-14. Dental Operative Field Set Rigged in M998 Tuck (continued)

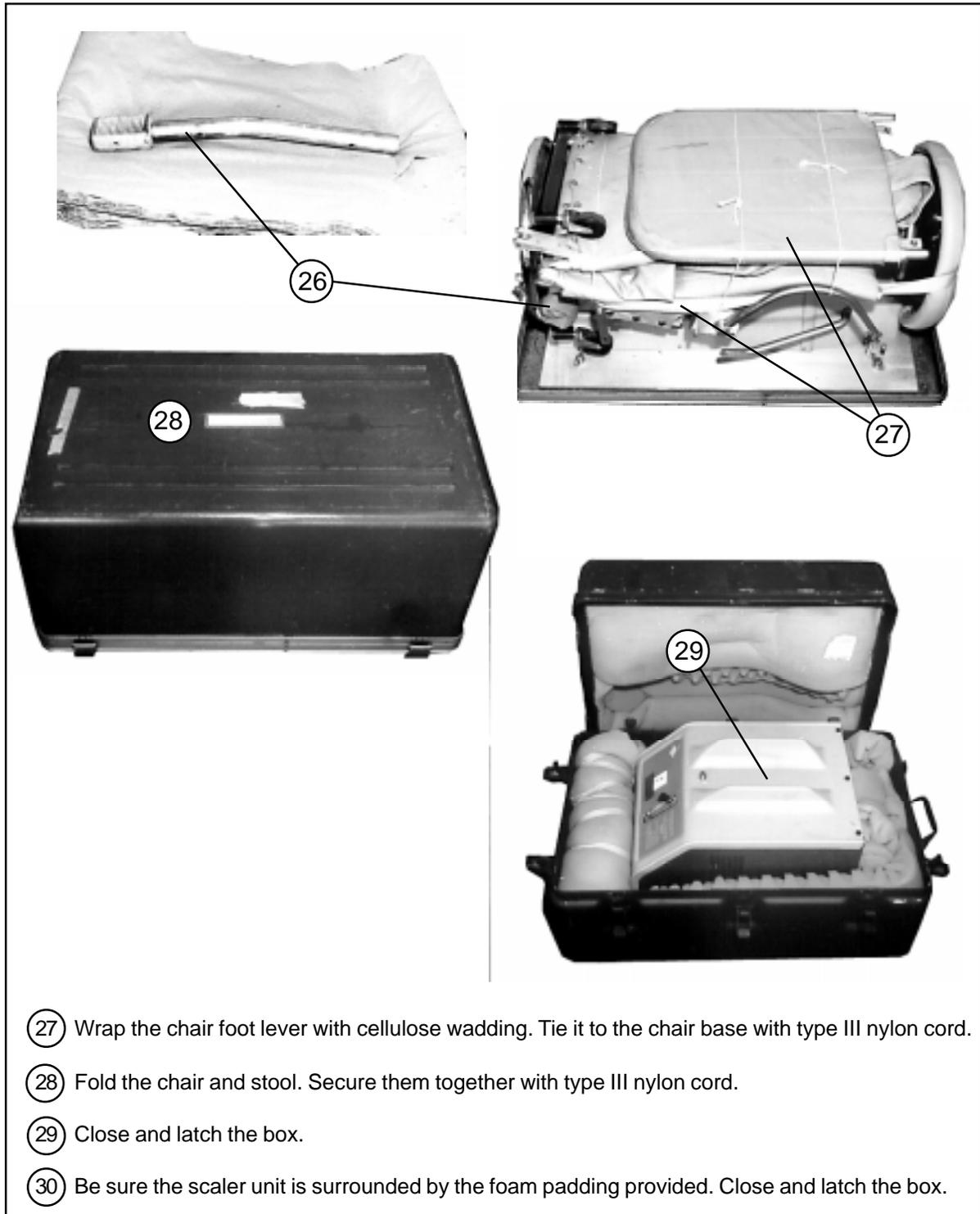


Figure 5-14. Dental Operative Field Set Rigged in M998 Tuck (continued)

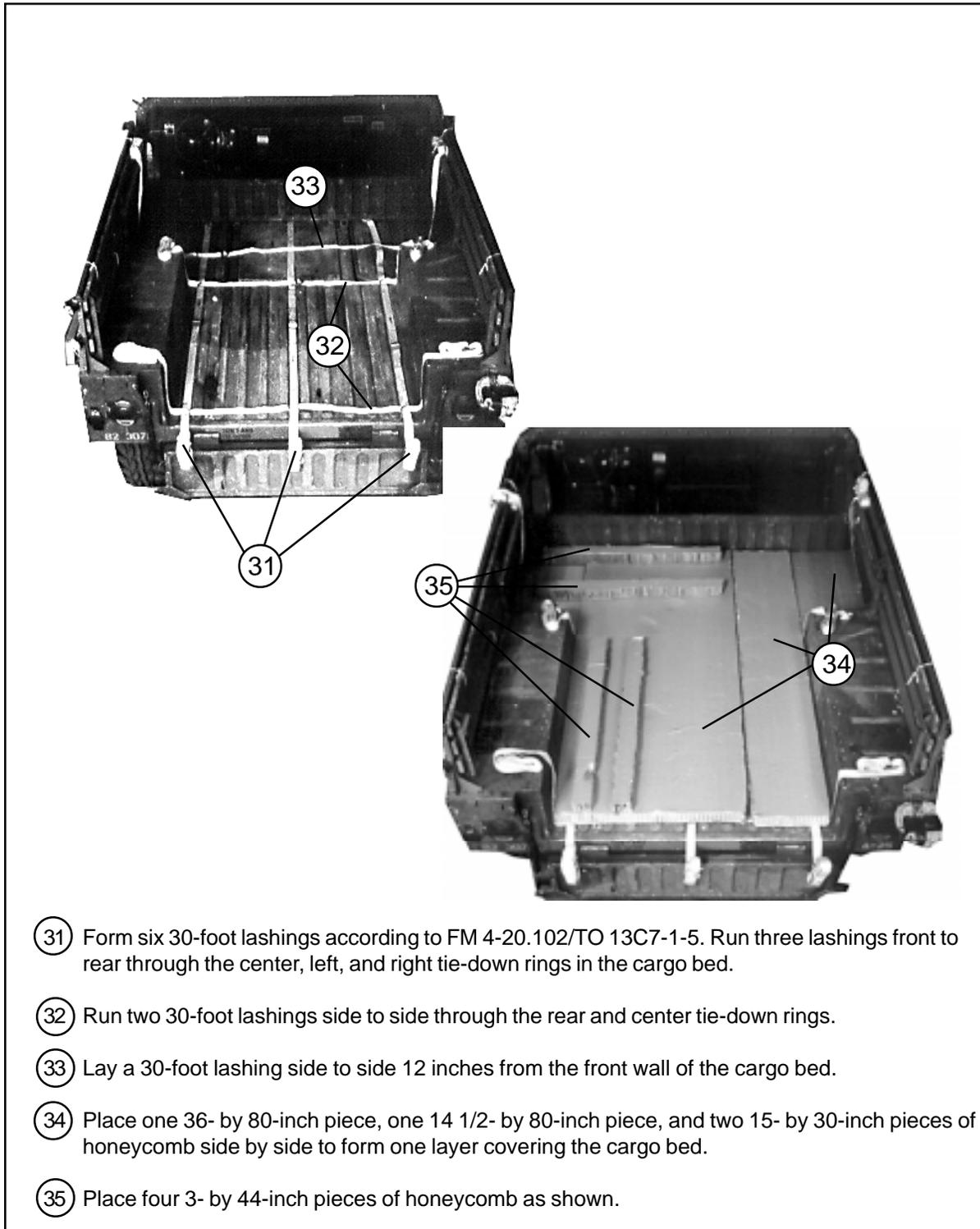


Figure 5-14. Dental Operative Field Set Rigged in M998 Tuck (continued)

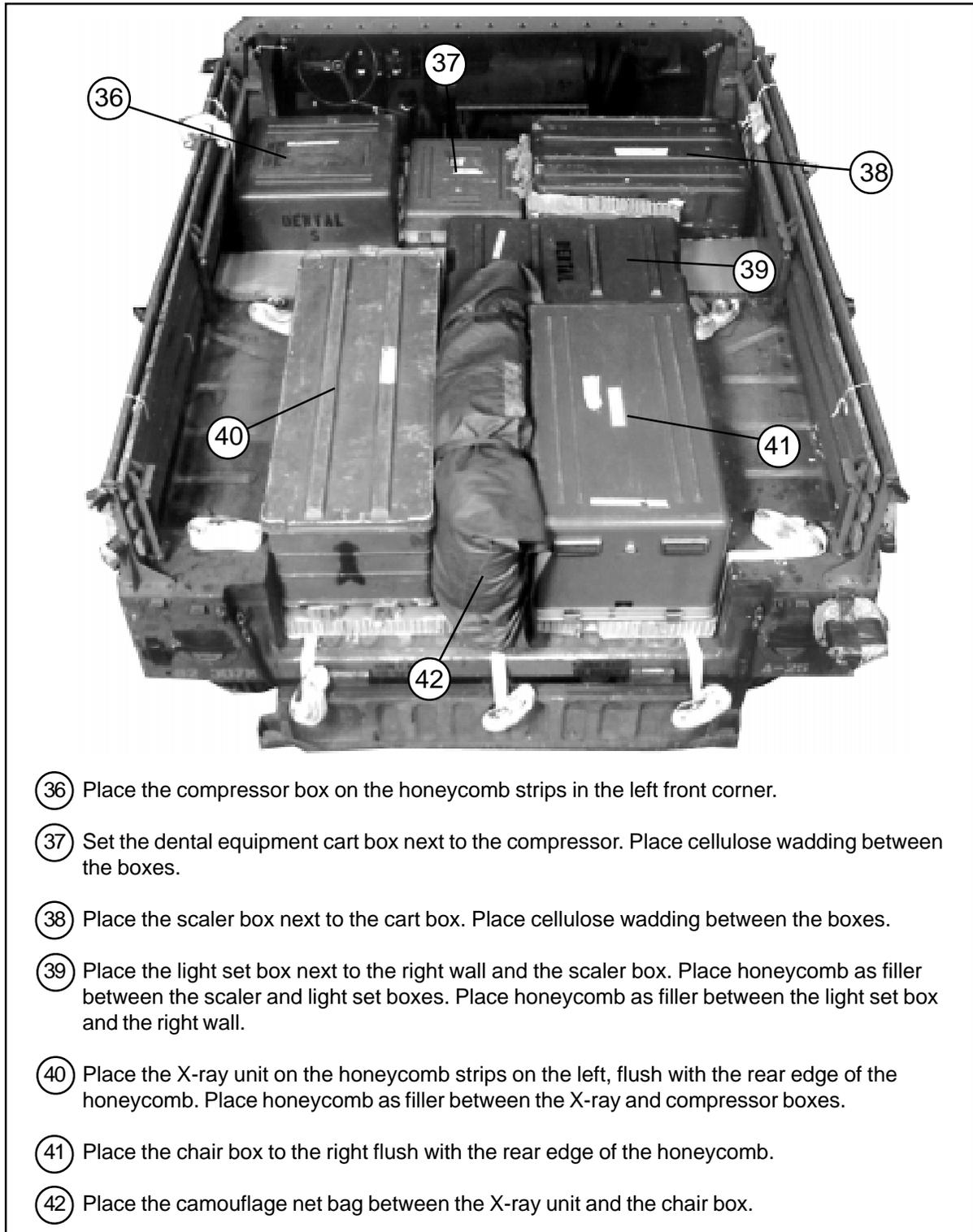


Figure 5-14. Dental Operative Field Set Rigged in M998 Tuck (continued)



- ④③ Secure the lashings placed in steps 32 and 33 on top of the load with D-rings and load binders.
- ④④ Secure the lashings placed in step 31 on top of the load with D-rings and load binders.
- ④⑤ Install the body side boards as shown in Figure 2-13. The lashing supporting the body side boards is shown.

Figure 5-14. Dental Operative Field Set Rigged in M998 Tuck (continued)

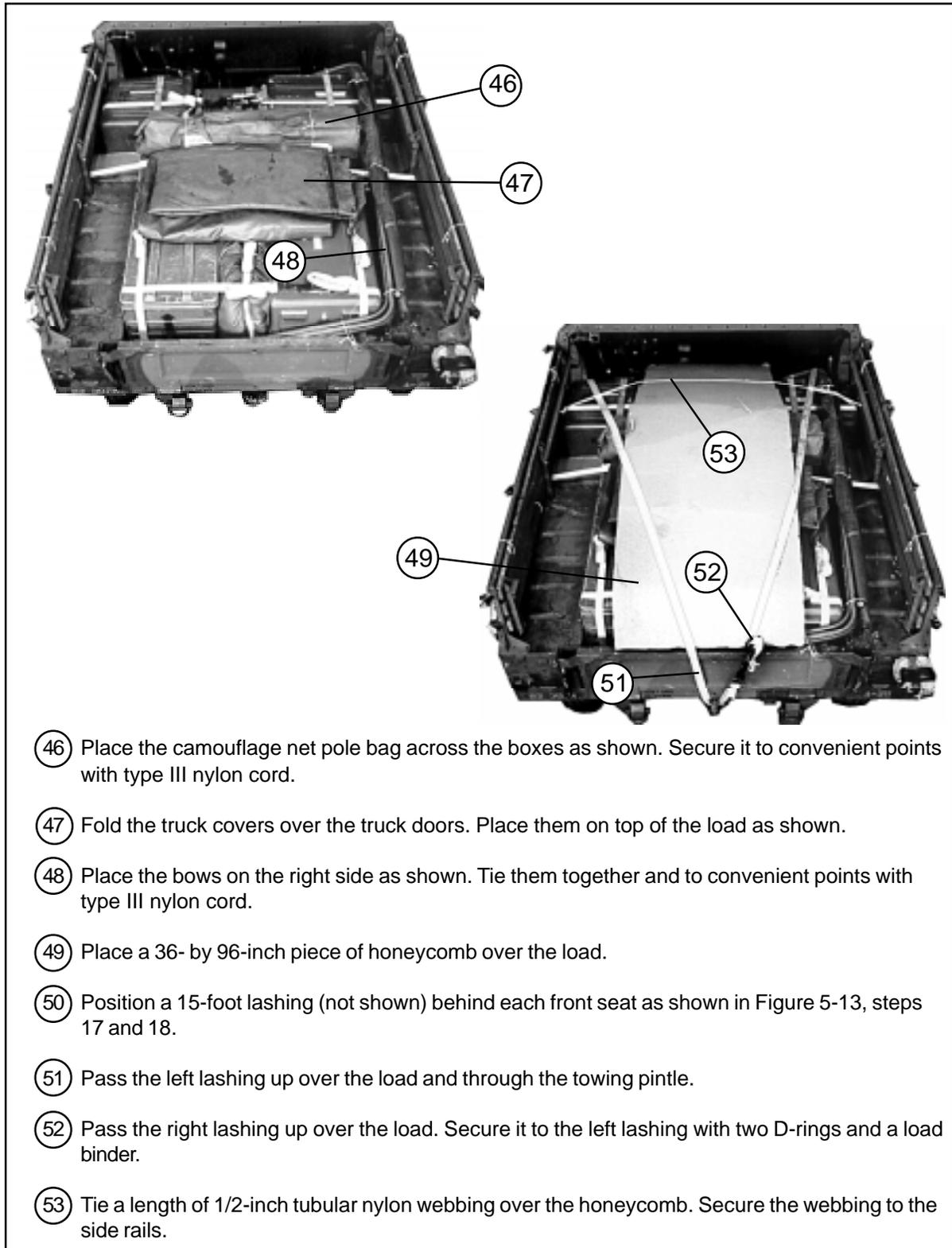


Figure 5-14. Dental Operative Field Set Rigged in M998 Tuck (continued)

RIGGING SOFT TOP INSTALLATION KIT IN M998 TRUCK

5-15. Use the procedures shown in Figure 5-15 to rig the soft top installation kit and accompanying equipment in a cargo/troop carrier-configured truck. An additional 300 pounds must be added to the items shown to meet the minimum weight requirement of 800 pounds for the accompanying load. Three boxes of 105-mm ammunition are shown here, but other items weighing the same or more may be used.

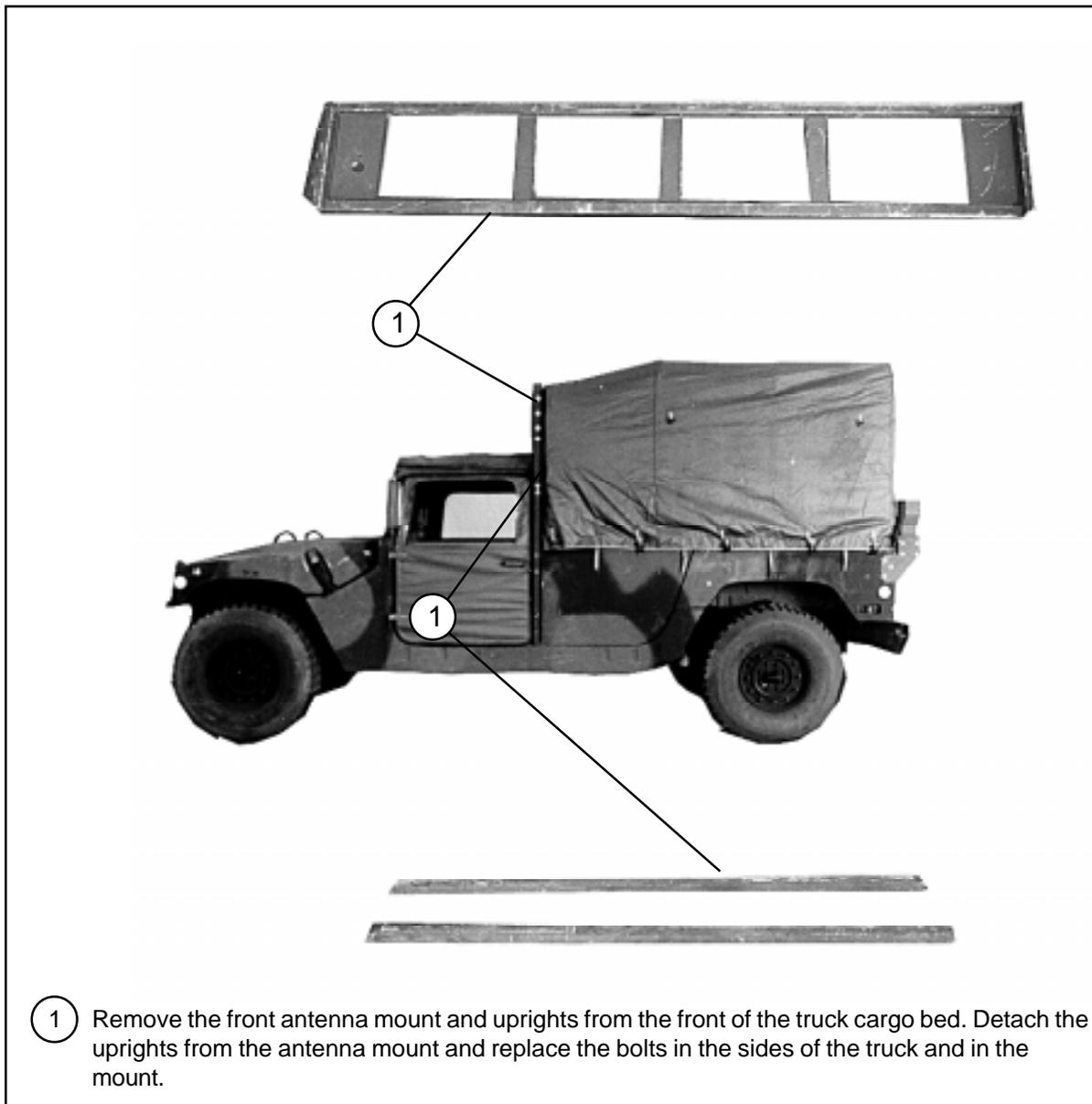


Figure 5-15. Soft Top Installation Kit Rigged in M998 Truck

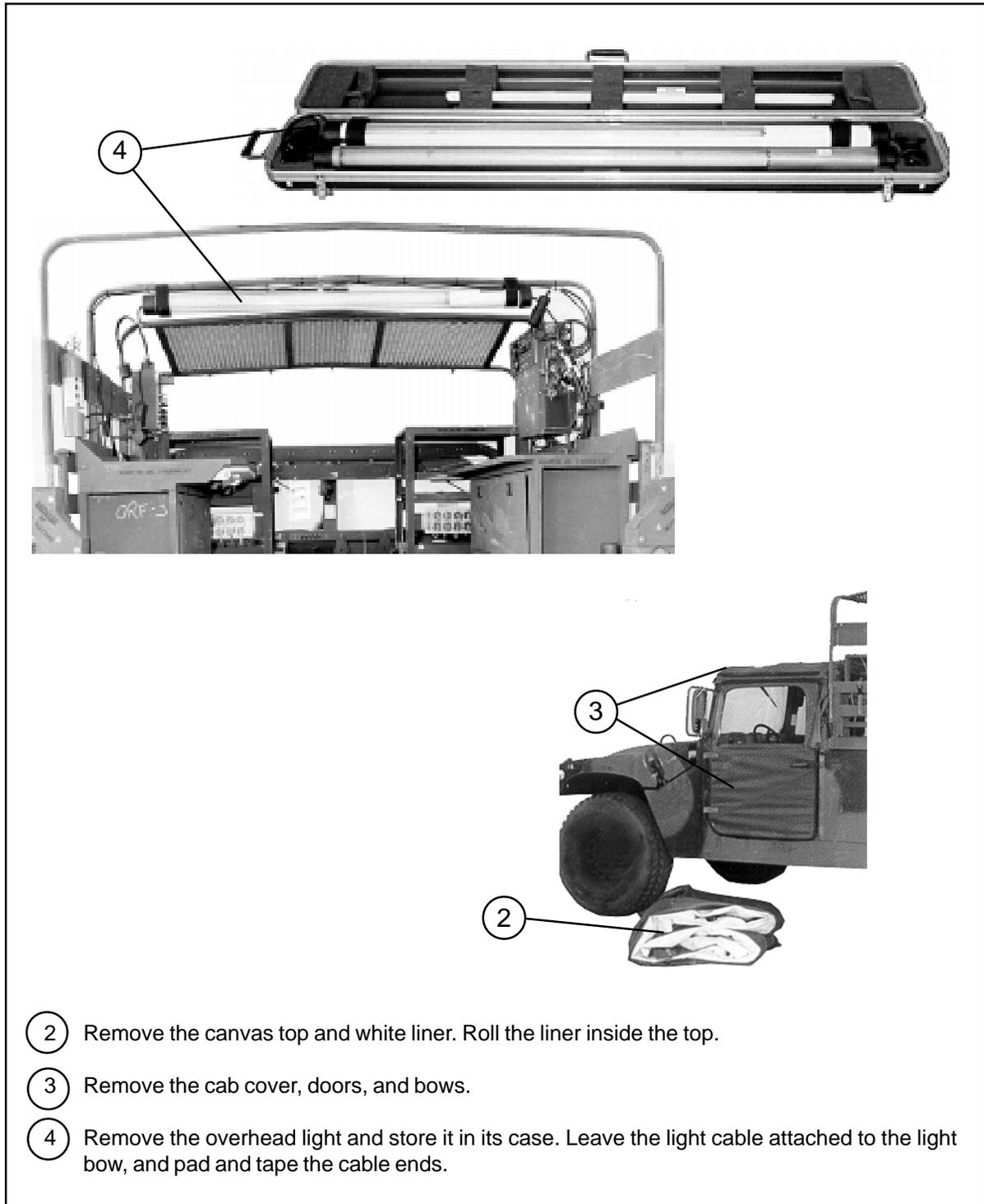
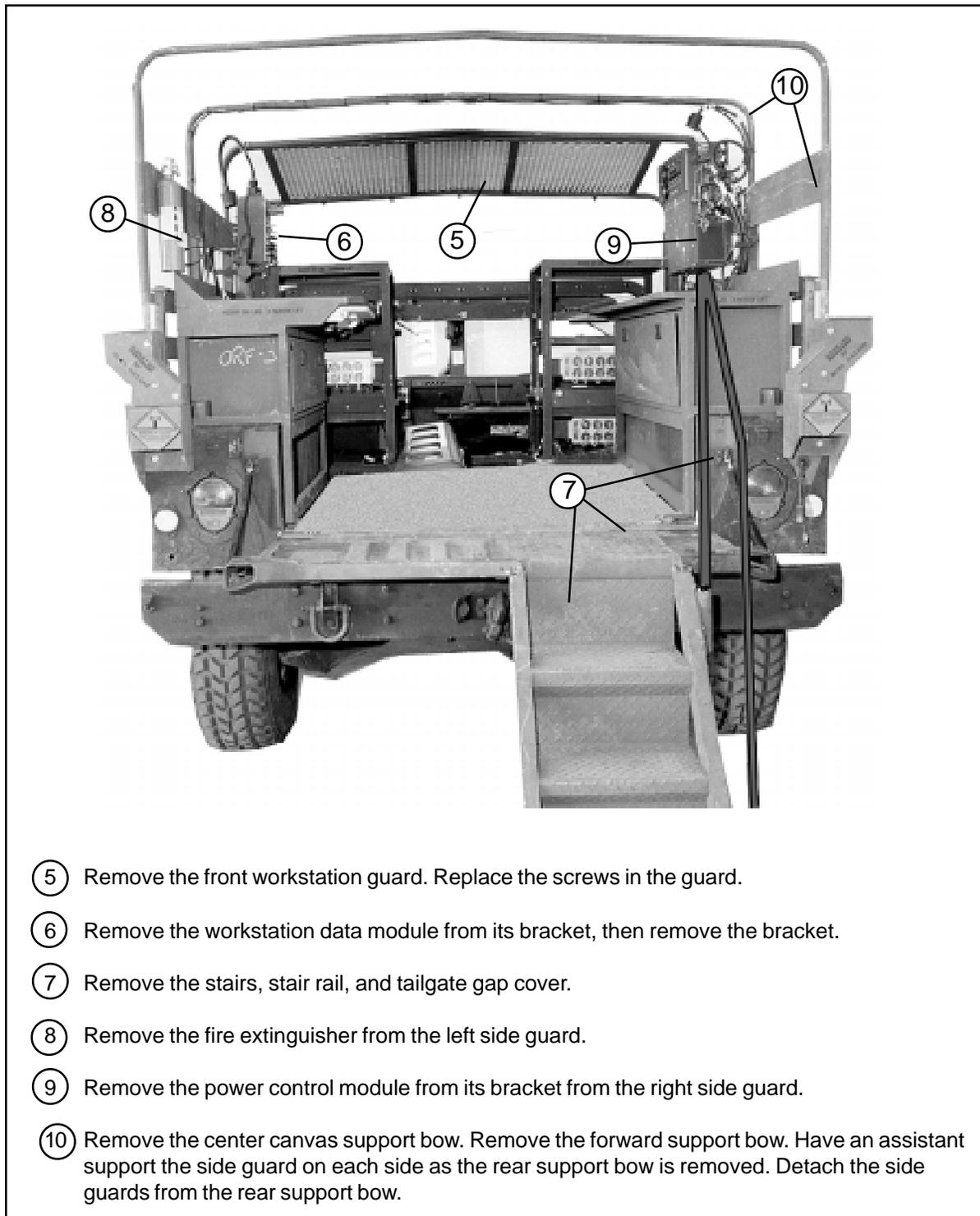
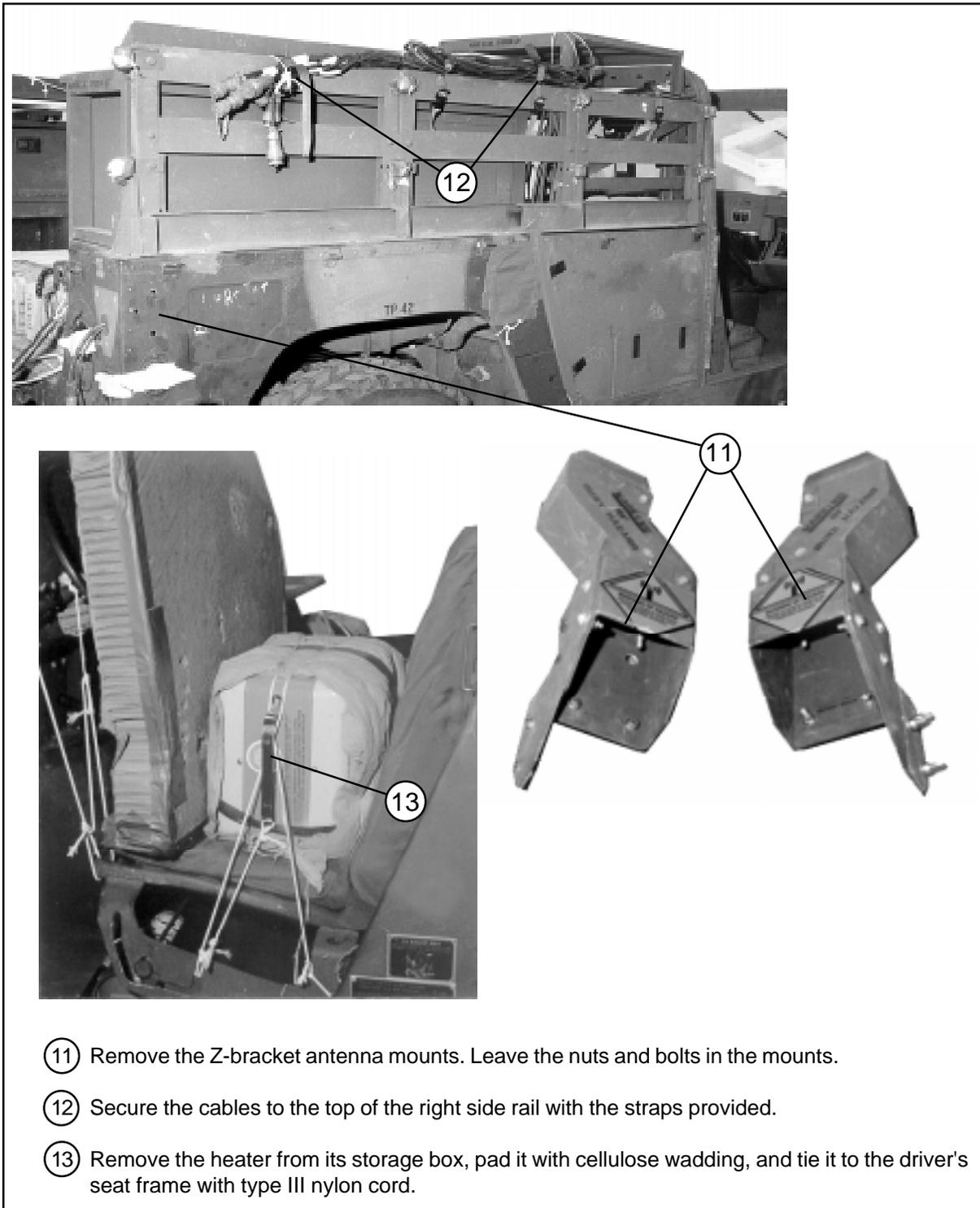


Figure 5-15. Soft Top Installation Kit Rigged in M998 Tuck (continued)



- ⑤ Remove the front workstation guard. Replace the screws in the guard.
- ⑥ Remove the workstation data module from its bracket, then remove the bracket.
- ⑦ Remove the stairs, stair rail, and tailgate gap cover.
- ⑧ Remove the fire extinguisher from the left side guard.
- ⑨ Remove the power control module from its bracket from the right side guard.
- ⑩ Remove the center canvas support bow. Remove the forward support bow. Have an assistant support the side guard on each side as the rear support bow is removed. Detach the side guards from the rear support bow.

Figure 5-15. Soft Top Installation Kit Rigged in M998 Tuck (continued)



- ①① Remove the Z-bracket antenna mounts. Leave the nuts and bolts in the mounts.
- ①② Secure the cables to the top of the right side rail with the straps provided.
- ①③ Remove the heater from its storage box, pad it with cellulose wadding, and tie it to the driver's seat frame with type III nylon cord.

Figure 5-15. Soft Top Installation Kit Rigged in M998 Tuck (continued)

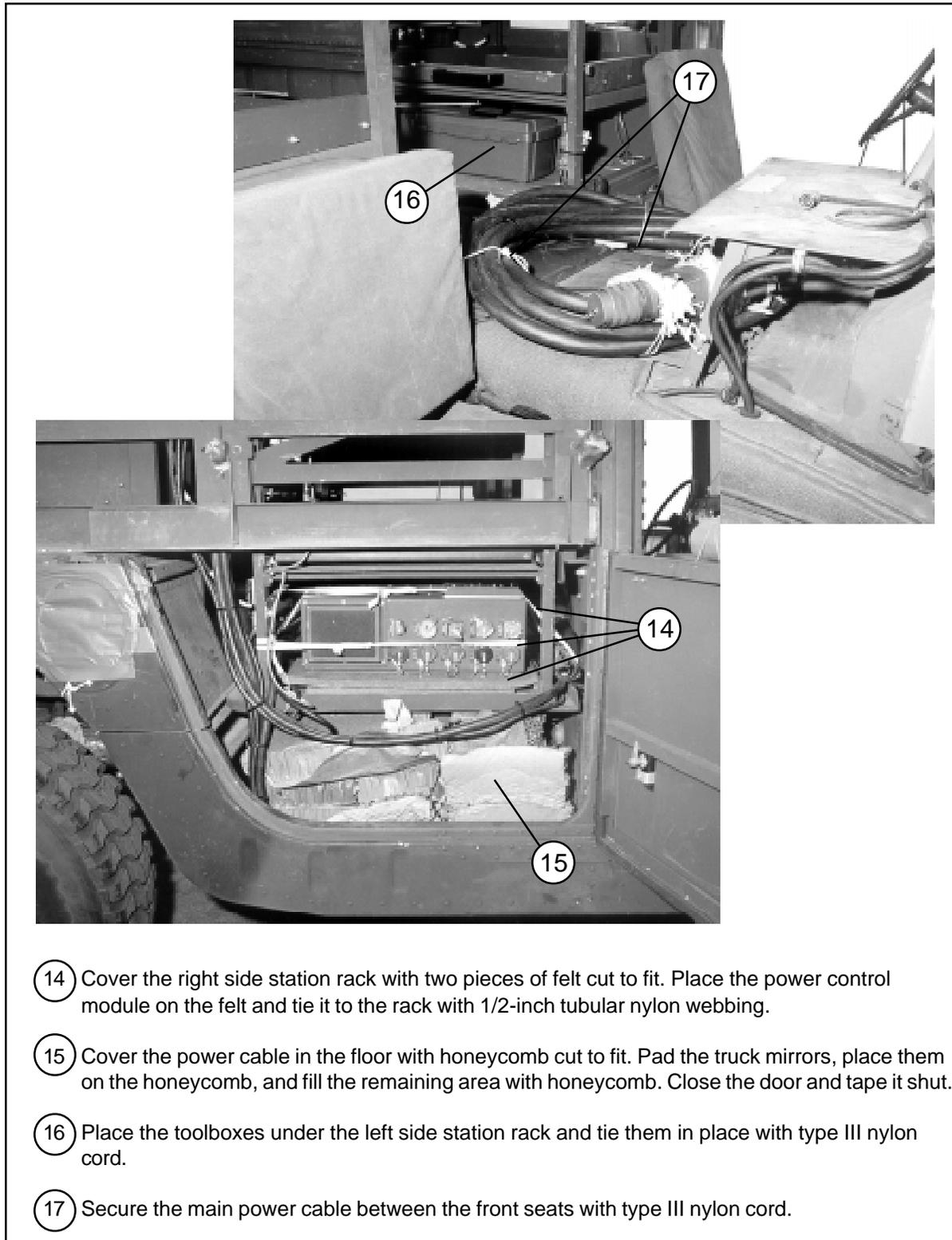


Figure 5-15. Soft Top Installation Kit Rigged in M998 Truck (continued)

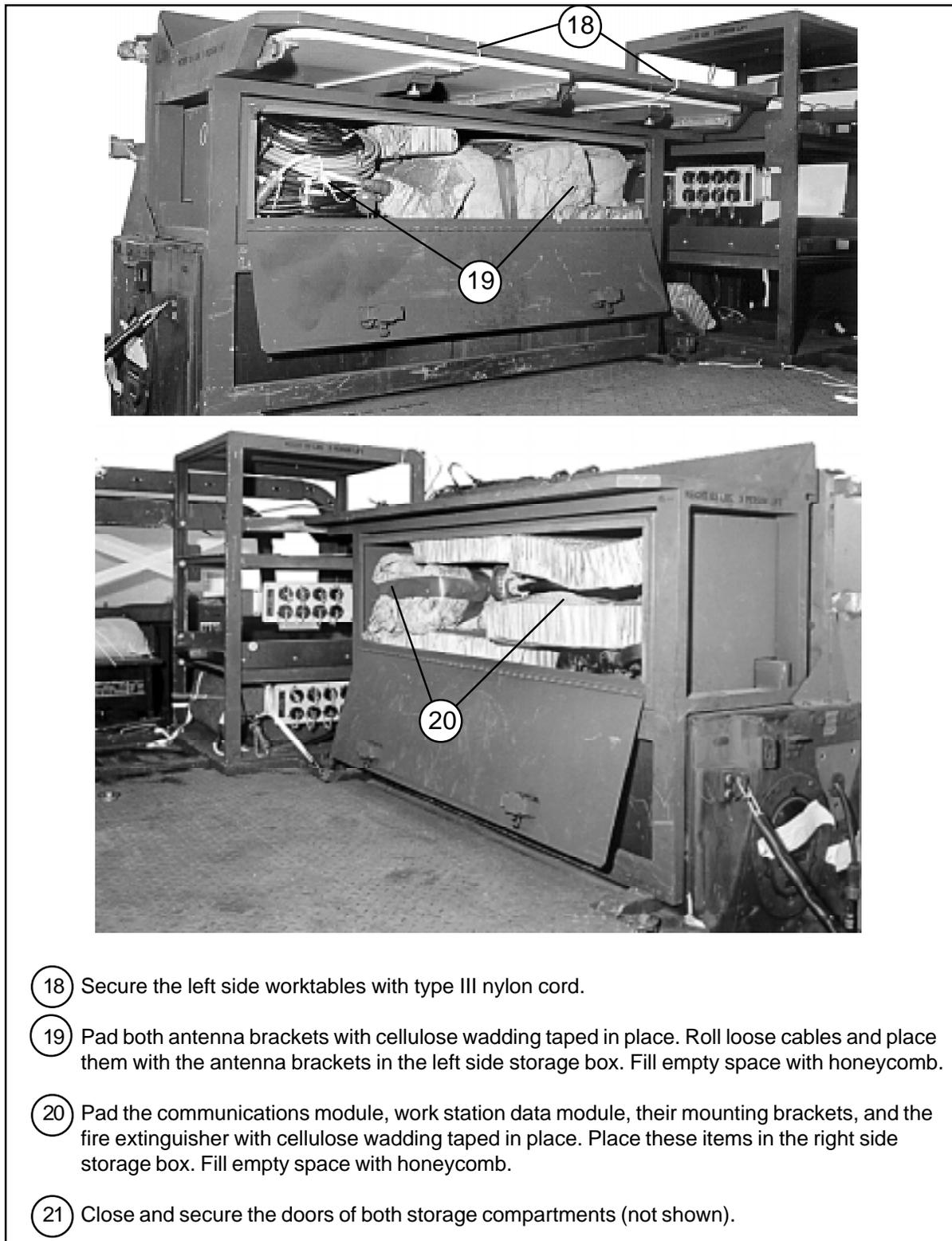
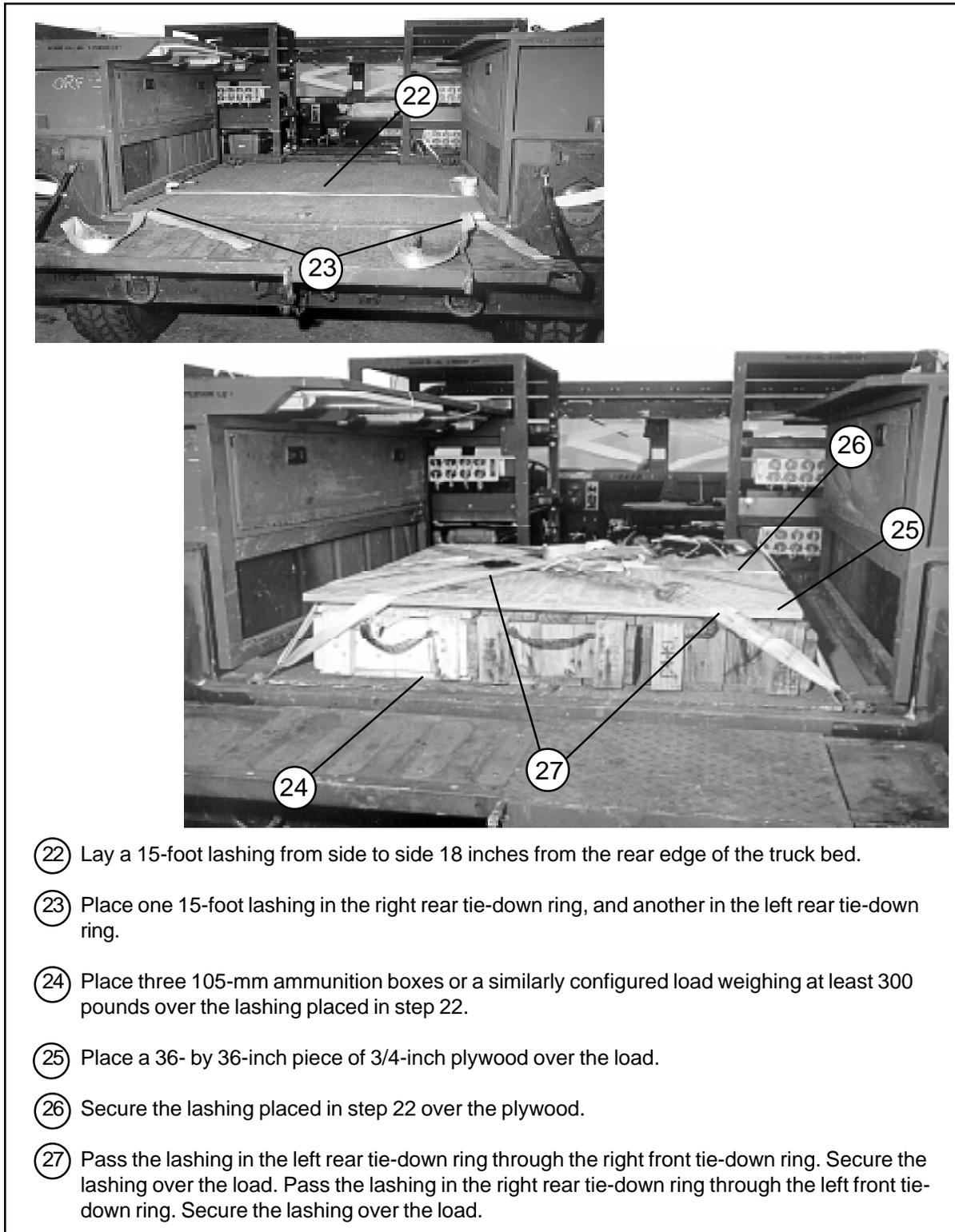
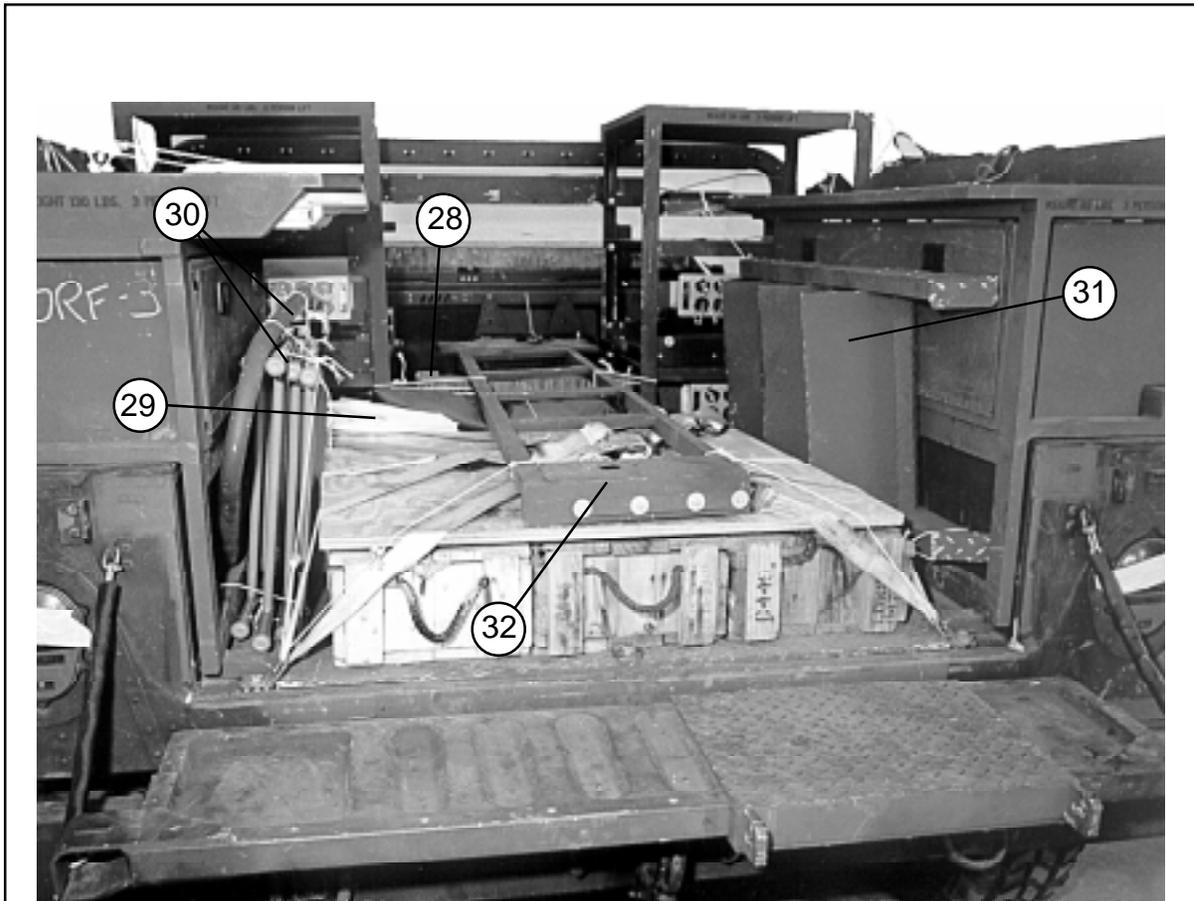


Figure 5-15. Soft Top Installation Kit Rigged in M998 Tuck (continued)



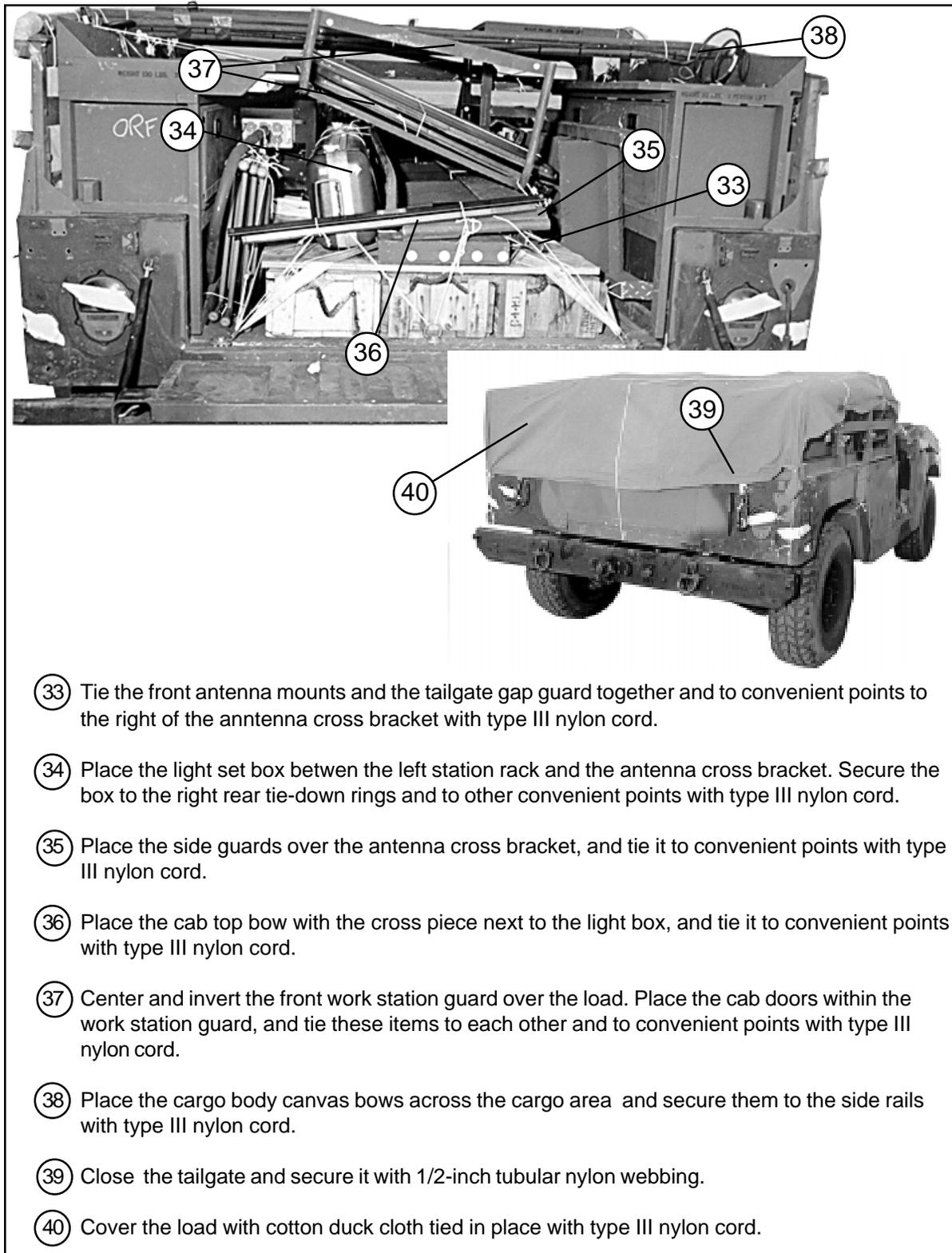
- ② Lay a 15-foot lashing from side to side 18 inches from the rear edge of the truck bed.
- ③ Place one 15-foot lashing in the right rear tie-down ring, and another in the left rear tie-down ring.
- ④ Place three 105-mm ammunition boxes or a similarly configured load weighing at least 300 pounds over the lashing placed in step 22.
- ⑤ Place a 36- by 36-inch piece of 3/4-inch plywood over the load.
- ⑥ Secure the lashing placed in step 22 over the plywood.
- ⑦ Pass the lashing in the left rear tie-down ring through the right front tie-down ring. Secure the lashing over the load. Pass the lashing in the right rear tie-down ring through the left front tie-down ring. Secure the lashing over the load.

Figure 5-15. Soft Top Installation Kit Rigged in M998 Truck (continued)



- ②⑧ Place three 24- by 24-inch pieces of honeycomb between the left and right work station racks.
- ②⑨ Lay the folded cab and cargo body covers and the white liner in front of the ammunition boxes and tie them to convenient points with type III nylon cord.
- ③⑩ Place the folding chairs and stair handrail against the left cabinet and tie them to convenient points with type III nylon cord.
- ③⑪ Place the stairs against the right cabinet, and tie them to convenient points with type III nylon cord.
- ③⑫ Center the front antenna mount cross bracket over the honeycomb placed in step 28 and the ammunition boxes. Secure the bracket to tie-down rings and to the racks with type III nylon cord.

Figure 5-15. Soft Top Installation Kit Rigged in M998 Truck (continued)



- ③③ Tie the front antenna mounts and the tailgate gap guard together and to convenient points to the right of the antenna cross bracket with type III nylon cord.
- ③④ Place the light set box between the left station rack and the antenna cross bracket. Secure the box to the right rear tie-down rings and to other convenient points with type III nylon cord.
- ③⑤ Place the side guards over the antenna cross bracket, and tie it to convenient points with type III nylon cord.
- ③⑥ Place the cab top bow with the cross piece next to the light box, and tie it to convenient points with type III nylon cord.
- ③⑦ Center and invert the front work station guard over the load. Place the cab doors within the work station guard, and tie these items to each other and to convenient points with type III nylon cord.
- ③⑧ Place the cargo body canvas bows across the cargo area and secure them to the side rails with type III nylon cord.
- ③⑨ Close the tailgate and secure it with 1/2-inch tubular nylon webbing.
- ④① Cover the load with cotton duck cloth tied in place with type III nylon cord.

Figure 5-15. Soft Top Installation Kit Rigged in M998 Tuck (continued)

RIGGING VIPER GENERATOR SYSTEM IN HMMWV-SERIES TRUCK

5-16. Use the procedures shown in Figure 5-16 to rig the Viper generator system in HMMWV-series trucks. The Viper consists of an under-the-hood engine-driven generator, control switches on the truck's instrument panel, and control boxes located under the rear seat. The generator and instrument panel switches require no preparation. Prepare the control boxes as shown in Figure 5-16.

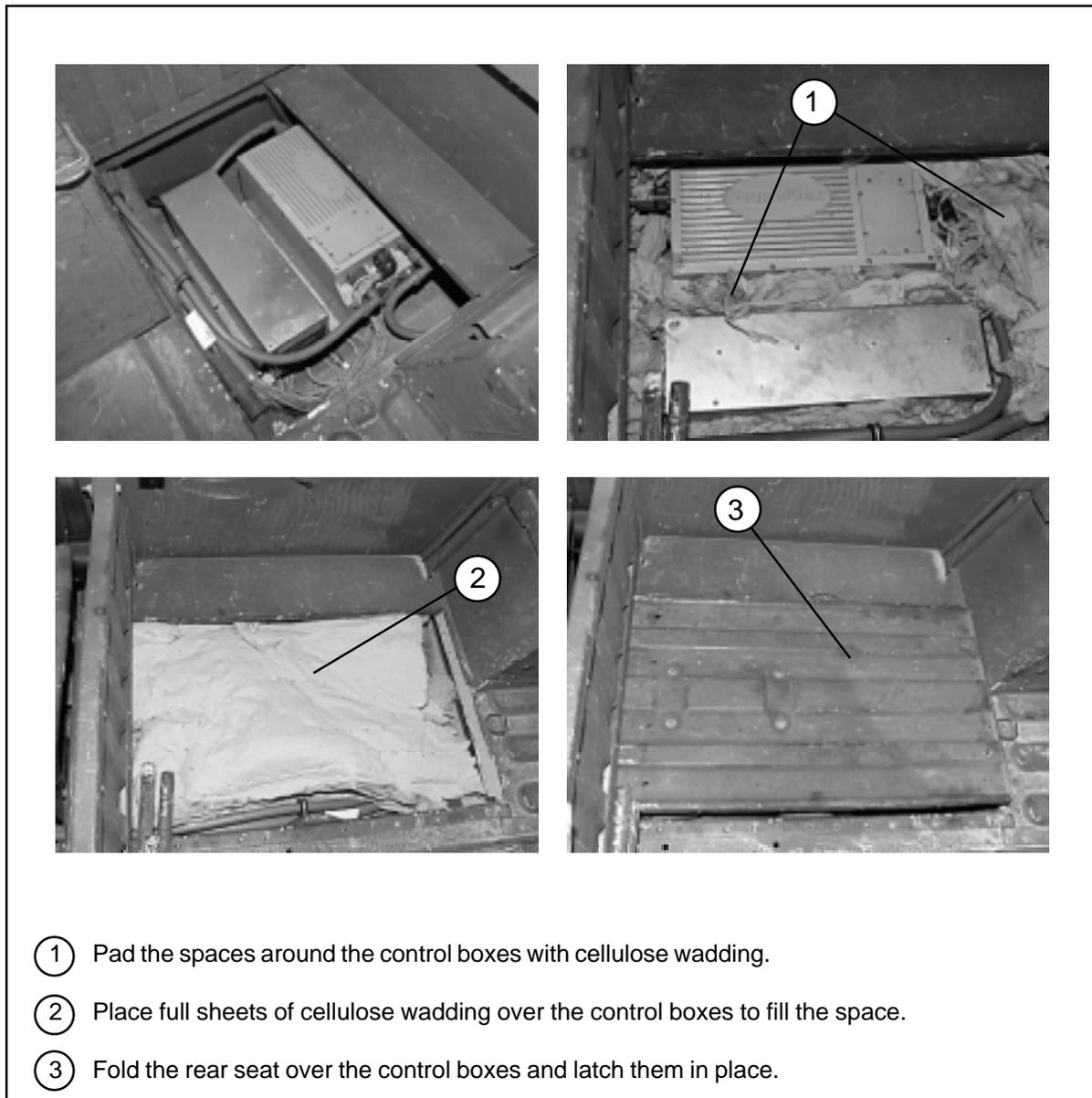


Figure 5-16. Viper Generator System Control Boxes Prepared

RIGGING DRIVER VISION ENHANCER IN HMMWV-SERIES TRUCK

5-17. Use the procedures shown in Figure 5-17 to rig the driver vision enhancer (DVE) in HMMWV-series trucks. The optical components fit into their own padded case. The rest of the system fits into a rack mounted behind the driver's seat.

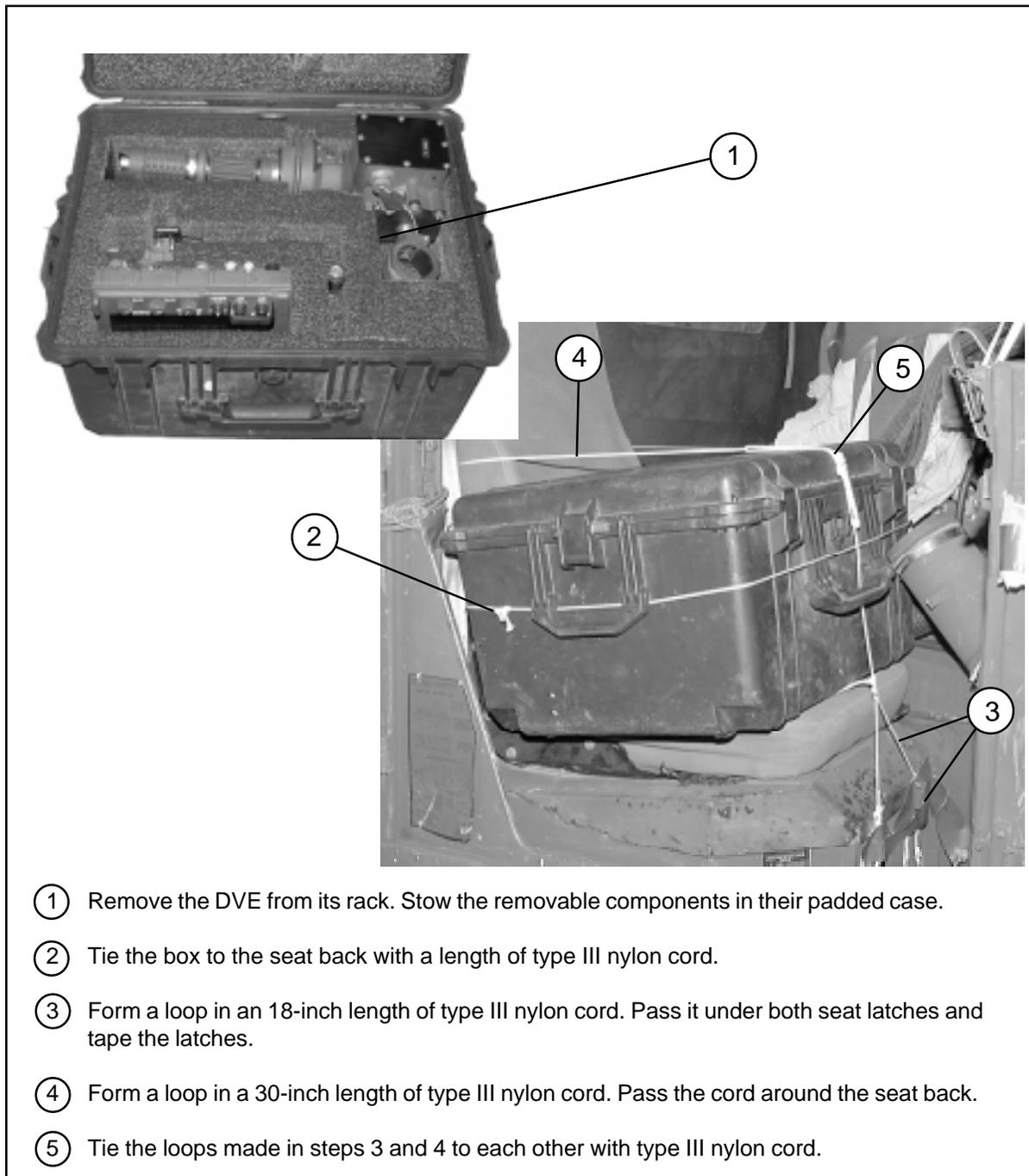


Figure 5-17. DVE Rigged in Cargo/Toop Carrier

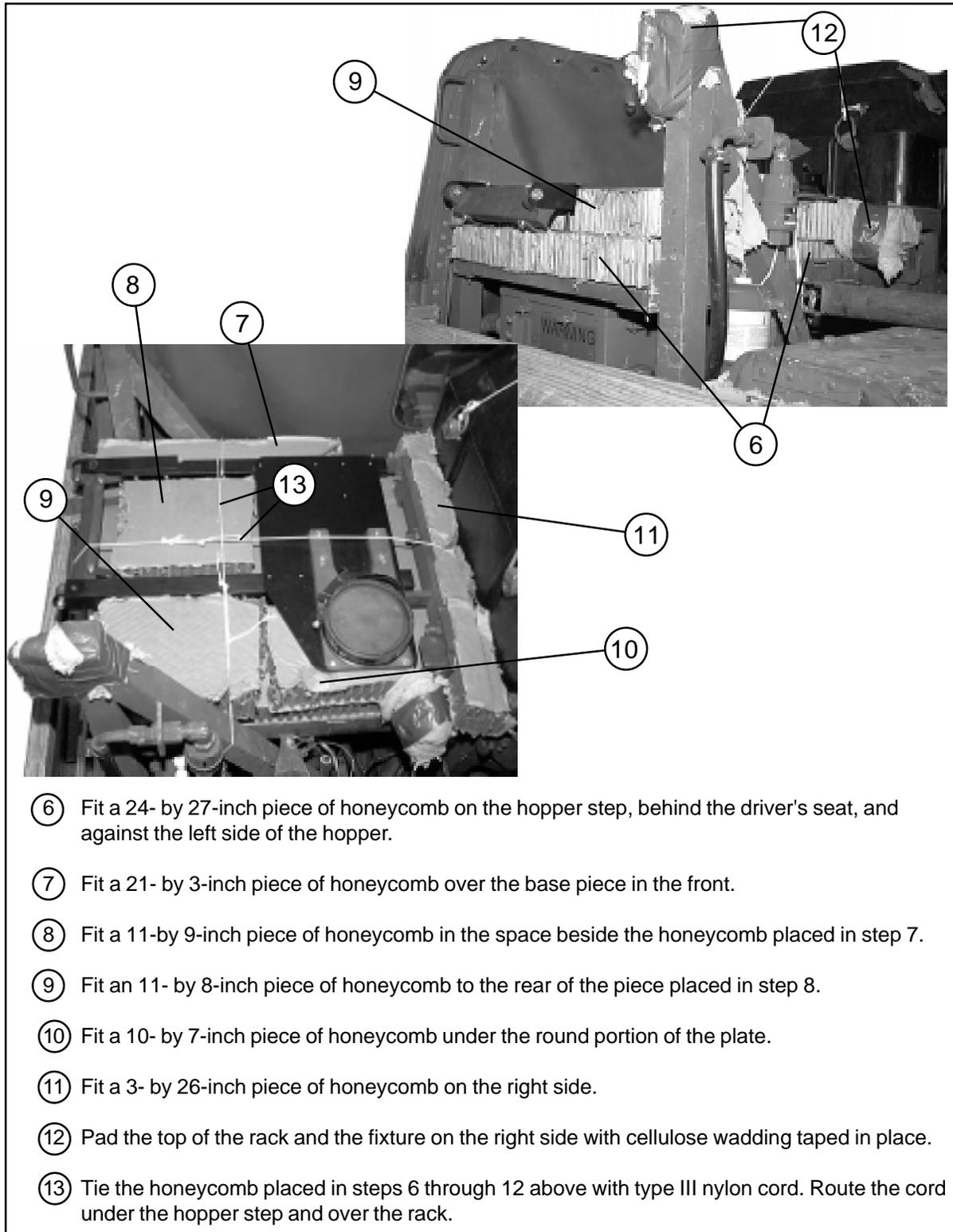
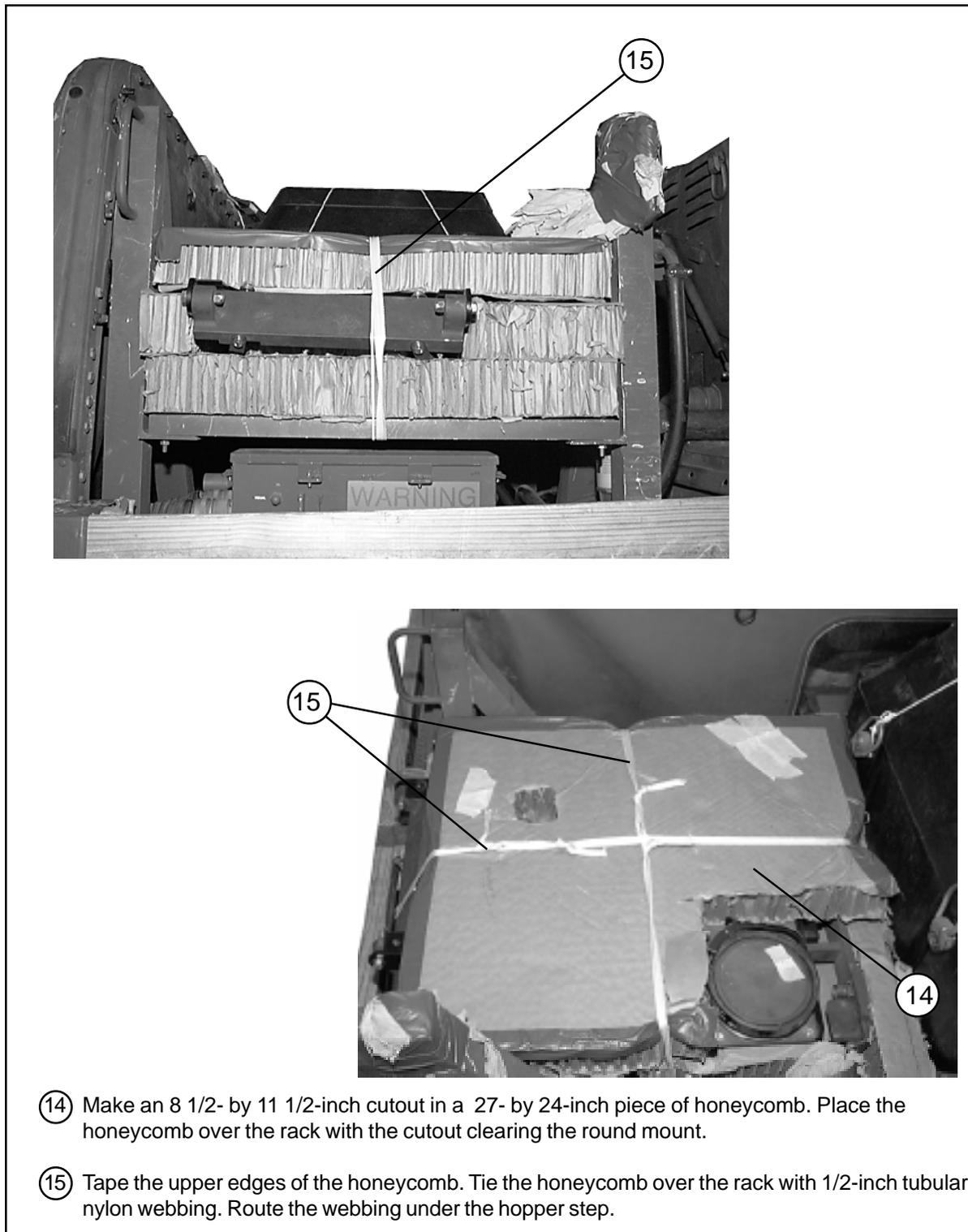


Figure 5-17. DVE Rigged in Cargo/Toop Carrier (continued)



- ⑭ Make an 8 1/2- by 11 1/2-inch cutout in a 27- by 24-inch piece of honeycomb. Place the honeycomb over the rack with the cutout clearing the round mount.
- ⑮ Tape the upper edges of the honeycomb. Tie the honeycomb over the rack with 1/2-inch tubular nylon webbing. Route the webbing under the hopper step.

Figure 5-17. DVE Rigged in Cargo/Toop Carrier (continued)

RIGGING THE AN/VAS-5 DVE MOUNTED ON HMMWV-SERIES TRUCK

5-18. The AN/VAS-5 DVE can be rigged on the following model HMMWV's: M966, M966A1, M1025, M1025A1, M1025A2, M1026, M1026 modified, M1026A1, M1121 and M1151. Use the procedures shown in Figure 5-18 to rig the AN/VAS-5 DVE mounted on HMMWV-series trucks.

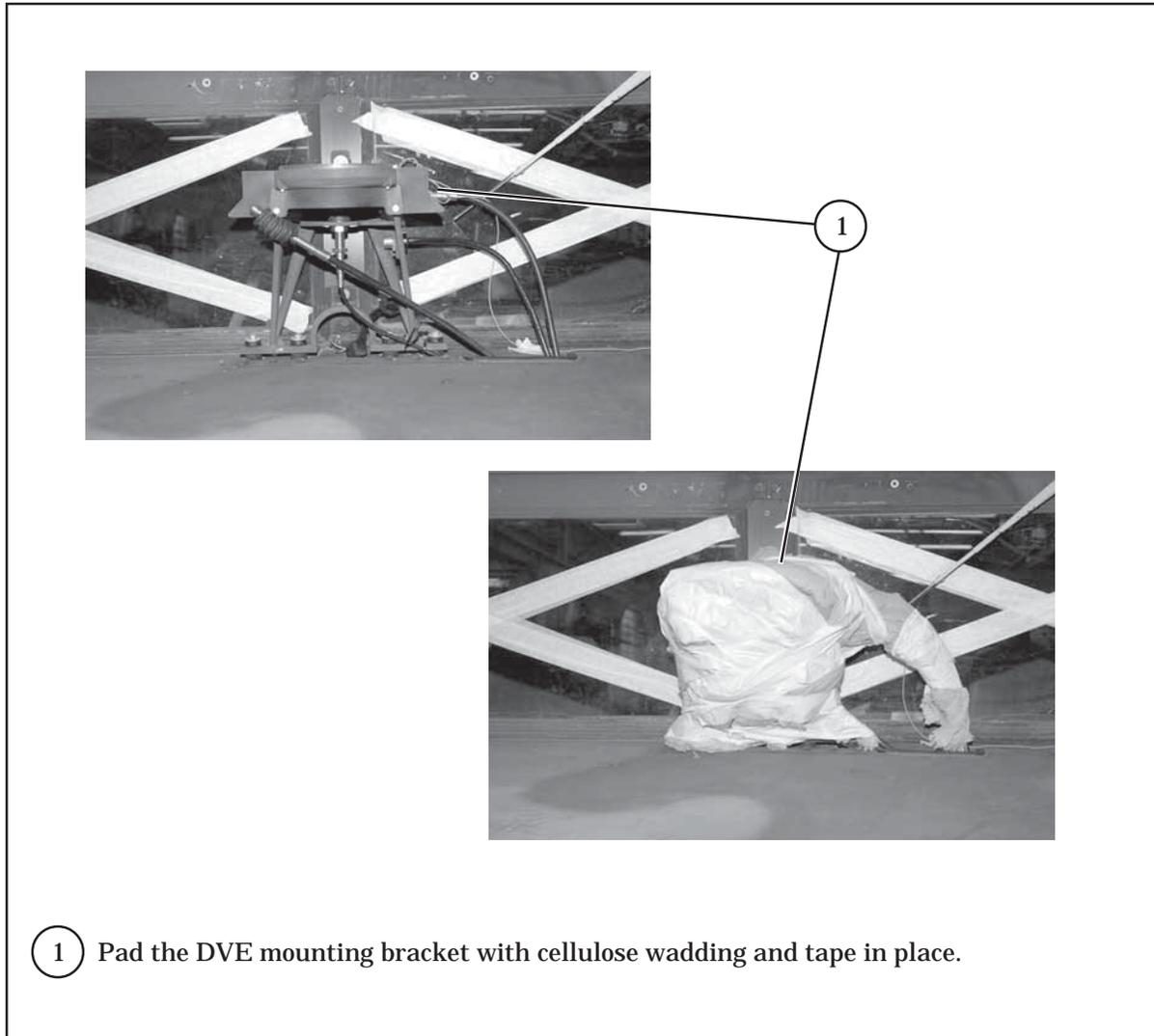
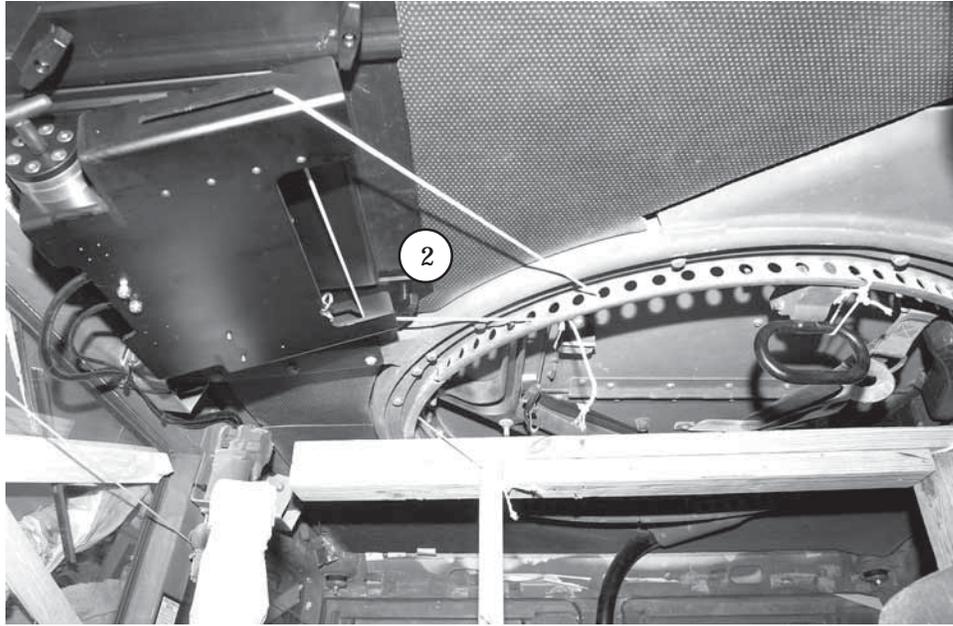


Figure 5-18. DVE Rigged on Hard Top HMMWV



- ② Secure the display control module bracket to the turret ring with type III nylon cord.

Figure 5-18. DVE Rigged on Hard Top HMMWV (Continued)



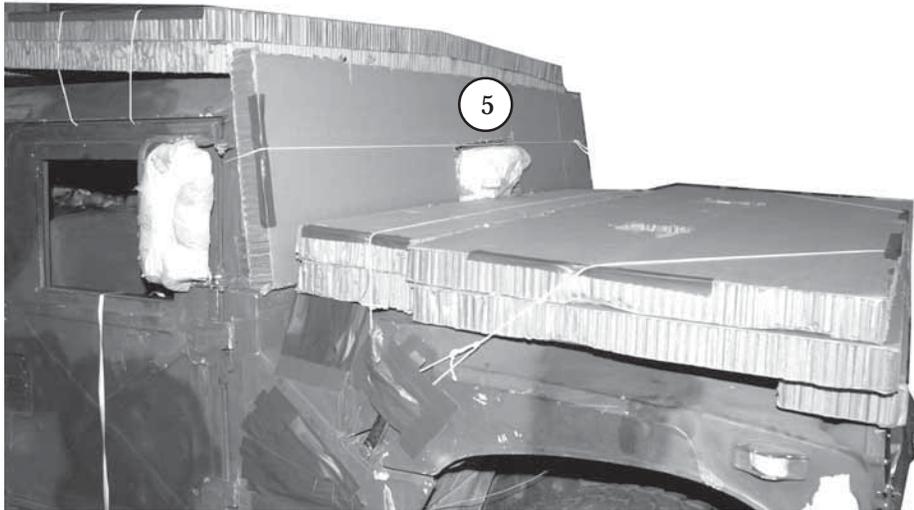
- 3 Pad the pan and tilt module with cellulose wadding and tape in place.

Figure 5-18. DVE Rigged on Hard Top HMMWV (Continued)



- ④ Place the transit case in the passenger seat and secure to the seat with 1/2-inch tubular nylon webbing.

Figure 5-18. DVE Rigged on Hard Top HMMWV (Continued)



- 5 Make a cut out for the DVE mounting bracket on the honeycomb placed on the windshield.

Figure 5-18. DVE Rigged on Hard Top HMMWV (Continued)

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CHAPTER 6

RIGGING TWO HMMWV TRUCKS ON A 32-FOOT PLATFORM FOR LOW-VELOCITY AIRDROP

DESCRIPTION OF LOAD

6-1. The unrigged M998 cargo/troop carriers (Figure 2-1) are described in Chapter 1. Two HMMWV trucks are rigged on a 32-foot type V platform for low-velocity airdrop. An accompanying load is rigged on the platform. The load requires five G-11 cargo parachutes.

The following trucks can be rigged using the procedures given in this chapter:

M998A1

M1038 and M1038A1

M1037 and M1037 modified

M1042

M1097, M1097A1, and M1097A2

PREPARING PLATFORM

6-2. Prepare a 32-foot, type V airdrop platform according to TM 10-1670-268-20&P/TO 13C7-52-22. Install two tandem links and eight suspension links to the platform as shown in Figure 6-1. Attach and number 44 clevis assemblies as shown in Figure 6-1.

- NOTES:
1. The nose bumper may or may not be installed.
 2. Measurements given in this chapter are from the front edge of the platform, NOT from the front edge of the nose bumper.

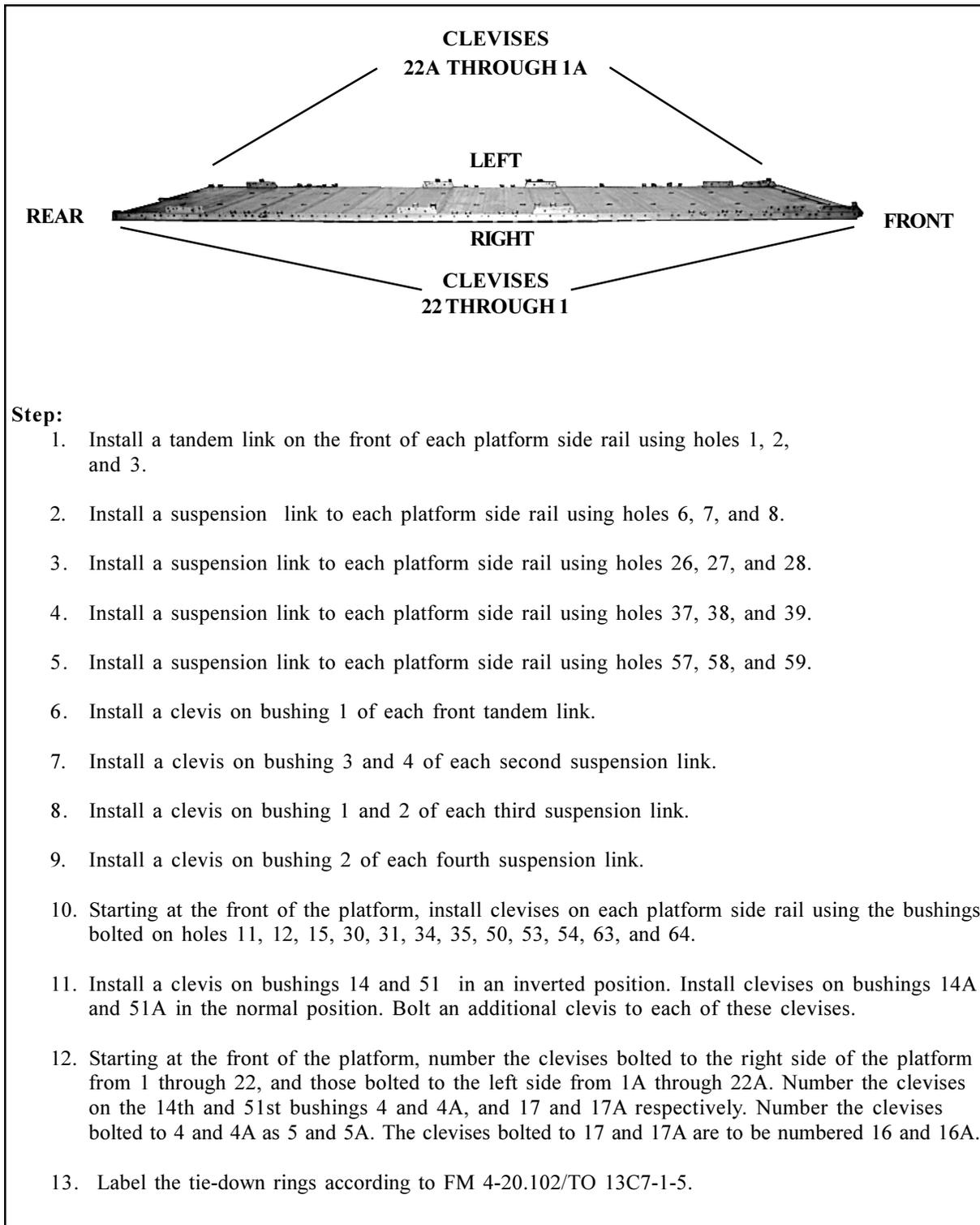


Figure 6-1. Platform Prepared

PREPARING AND POSITIONING HONEYCOMB STACKS

6.3. Prepare honeycomb stacks 1, 3, 5, and 7 as shown in Figure 2-3. Prepare honeycomb stacks 2 and 6 as shown in Figure 2-4. Position the stacks on the platform as shown in Figure 6-2.

Note: Honeycomb stack 4 consists of 2 full sheets of honeycomb stacked flush.

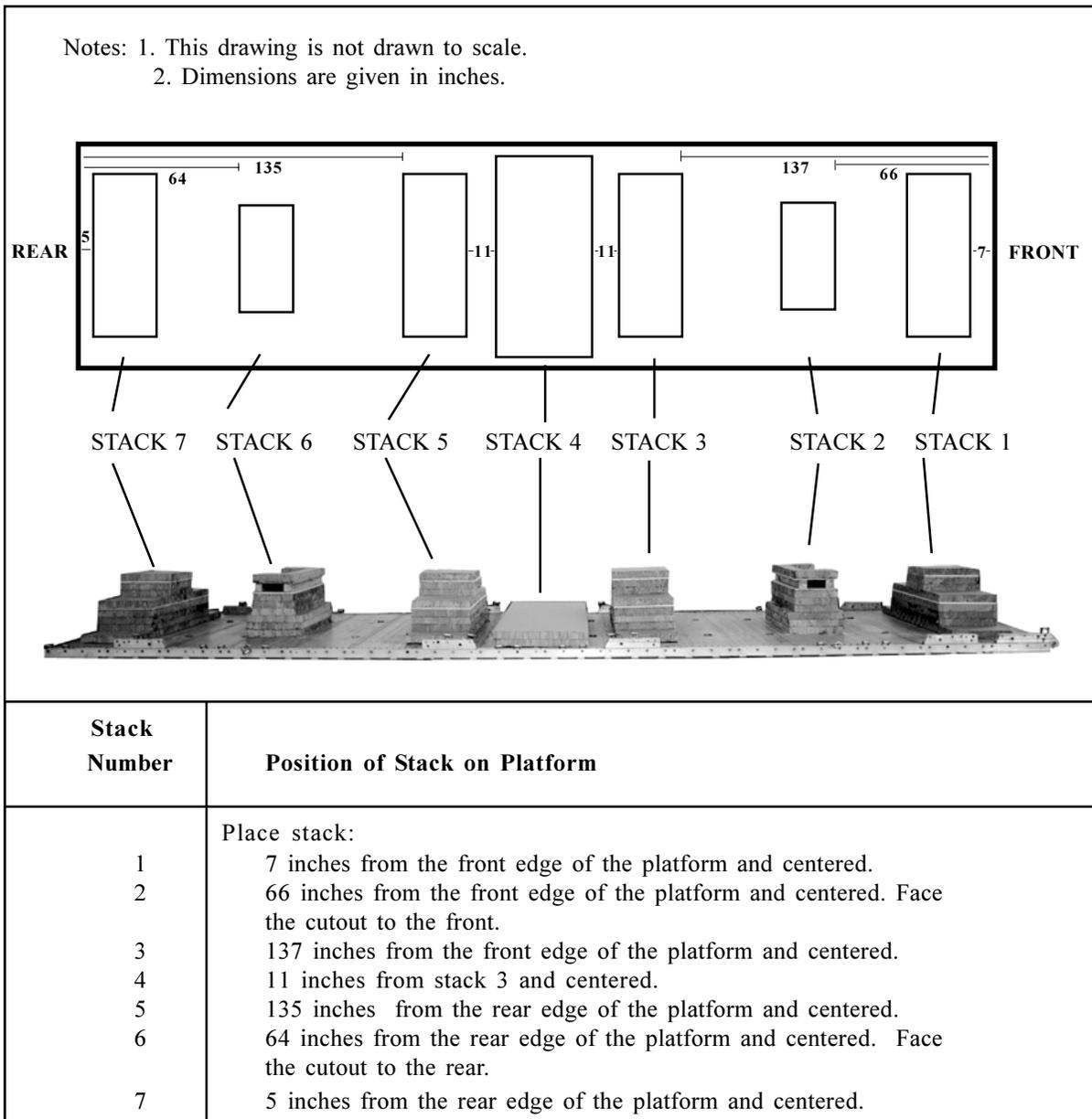


Figure 6-2. Honeycomb Stacks Positioned On Platform

PLACING AND SECURING ACCOMPANYING LOAD

6-4. Place the ammunition boxes on stack 4, place a plywood cover, lash the boxes together (step 4), and construct two endboards as shown in Figure 6-3. Lash the accompanying load and endboards to the platform as shown in Figure 6-4.

Note: Adapt these procedures to accommodate other accompanying loads.

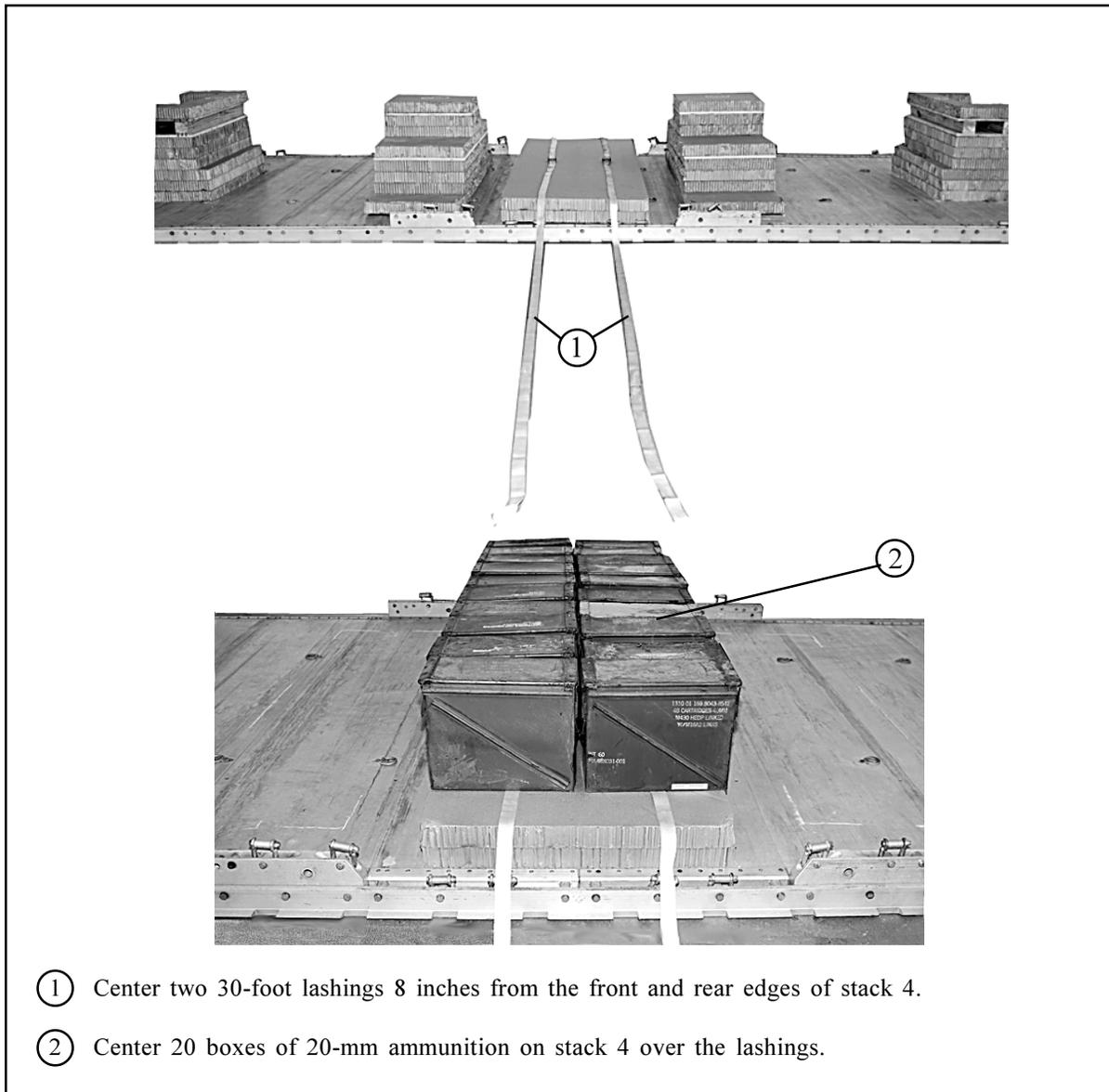
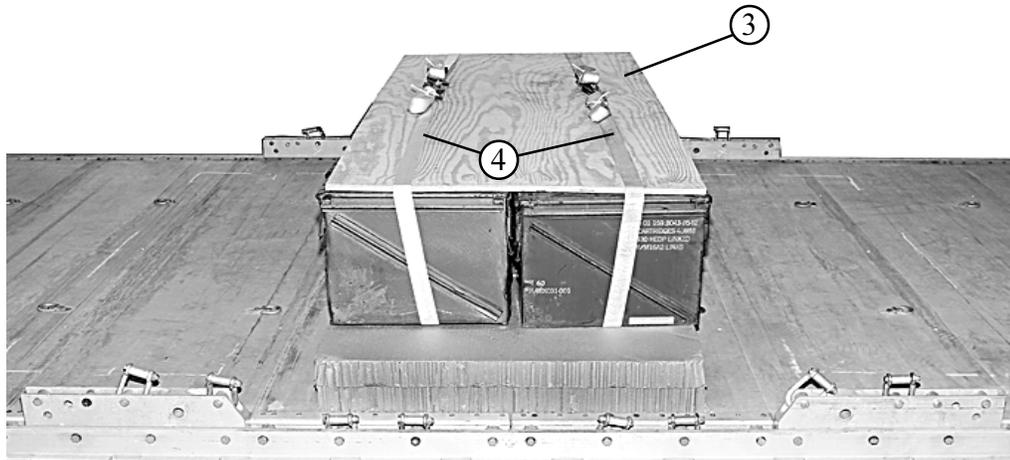
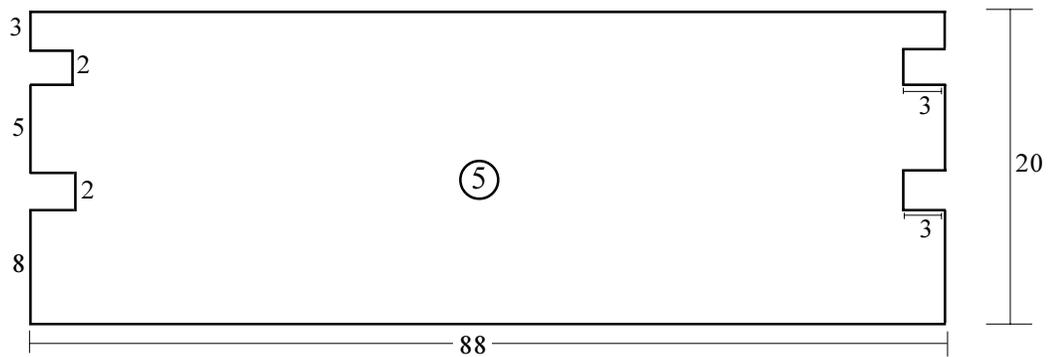


Figure 6-3. Ammunition Boxes Placed and Secured

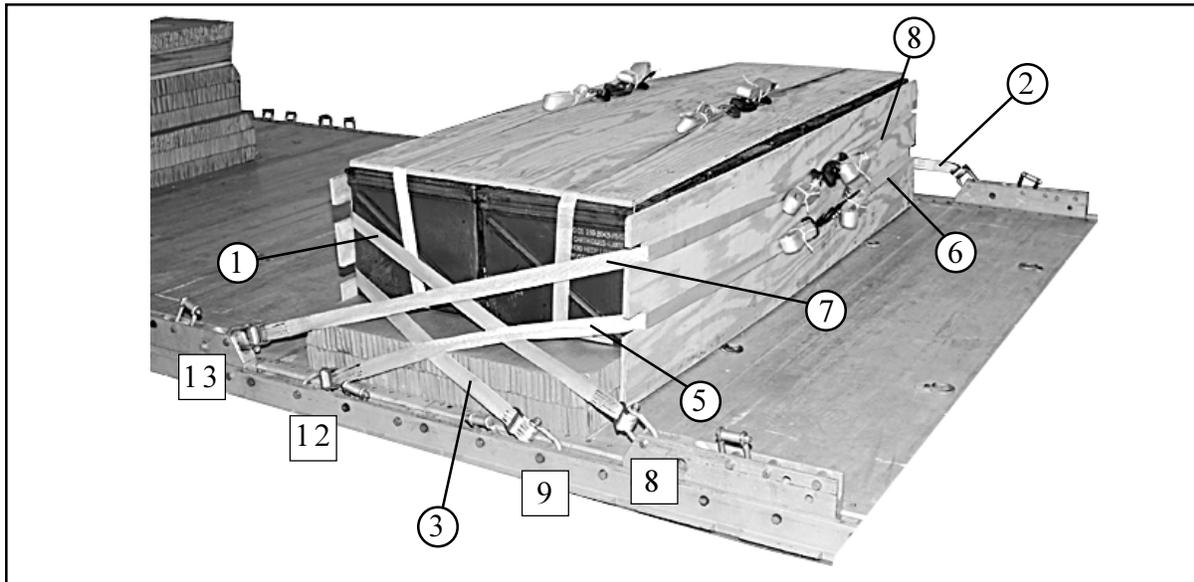


- Notes 1. This drawing is not drawn to scale
 2. All dimensions are in inches.



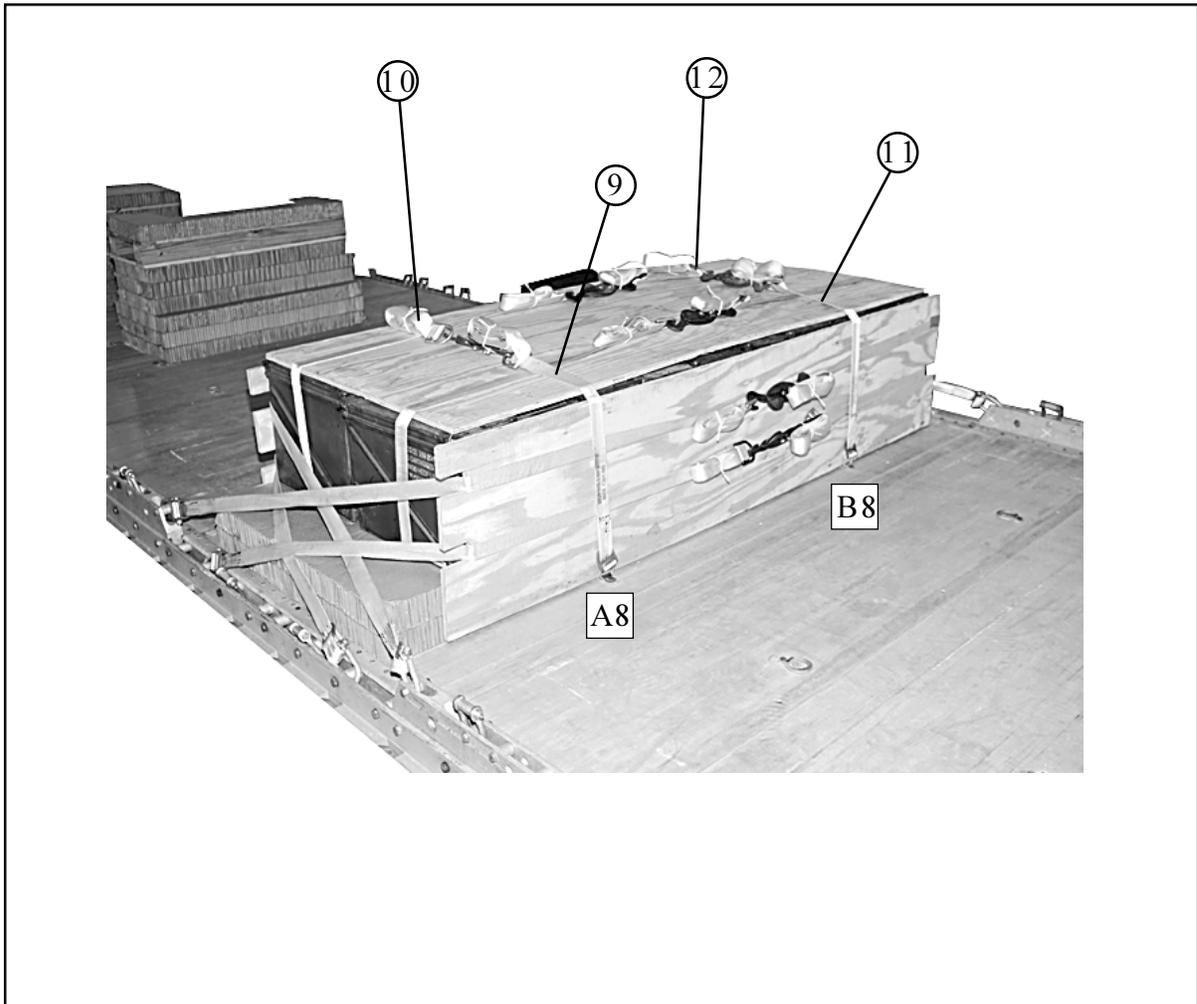
- ③ Place a 3/4- by 36-by 82-inch piece of plywood flush over the ammunition boxes.
- ④ Secure the 30-foot lashings placed in step 1 over the ammunition boxes.
- ⑤ Construct two endboards from 3/4- by 20- by 88-inch plywood. Place an endboard at each end of the stack of boxes (shown in Figure 6-4).

Figure 6-3. Ammunition Boxes Placed and Secured (continued)



Lashing Number	Tie-down Clevis Number	Instructions
1	8	Pass lashing: Through clevis 8, through its own D-ring, and through the upper slot in the rear endboard.
2	8A	Through clevis 8A, through its own D-ring, and through the upper slot in the rear endboard. Secure lashings 1 and 2 together at the rear with two D-rings and a load binder.
3	9	Through clevis 9, through its own D-ring, and through the lower slot in the rear endboard.
4	9A	Through clevis 9A, through its own D-ring, and through the lower slot in the rear endboard. Secure lashings 3 and 4 together at the rear with two D-rings and a load binder.
5	13	Through clevis 13, through its own D-ring, and through the upper slot in the front endboard.
6	13A	Through clevis 13A, through its own D-ring, and through the upper slot in the front endboard. Secure lashings 5 and 6 together at the front with two D-rings and a load binder.
7	12	Through clevis 12, through its own D-ring, and through the lower slot in the front endboard.
8	12A	Through clevis 12A, through its own D-ring, and through the lower slot in the front endboard. Secure lashings 7 and 8 together at the front with two D-rings and a load binder.

Figure 6-4. Ammunition and Endboards Lashed to Platform



Lashing Number	Tie-down Ring Number	Instructions
9	A8	Pass lashing:
10	A10	Through deck tie-down ring A8 and through its own D-ring. Through deck tie-down ring A10 and through its own D-ring. Secure lashings 9 and 10 together on top of the boxes with two D-rings and a load binder.
11	B8	Through deck tie-down ring B8 and through its own D-ring.
12	B10	Through deck tie-down ring B10 and through its own D-ring. Secure lashings 11 and 12 together on top of the boxes with two D-rings and a load binder.

Figure 6-4. Ammunition and Endboards Lashed to Platform (continued)

INSTALLING OPTIONAL DRIVE-OFF AIDS ON PLATFORM

6-5. Install the optional drive-off aids in the direction in which the truck is to be driven off the platform as shown in Figure 6-5, and according to FM 4-20.102/TO 13C7-1-5.

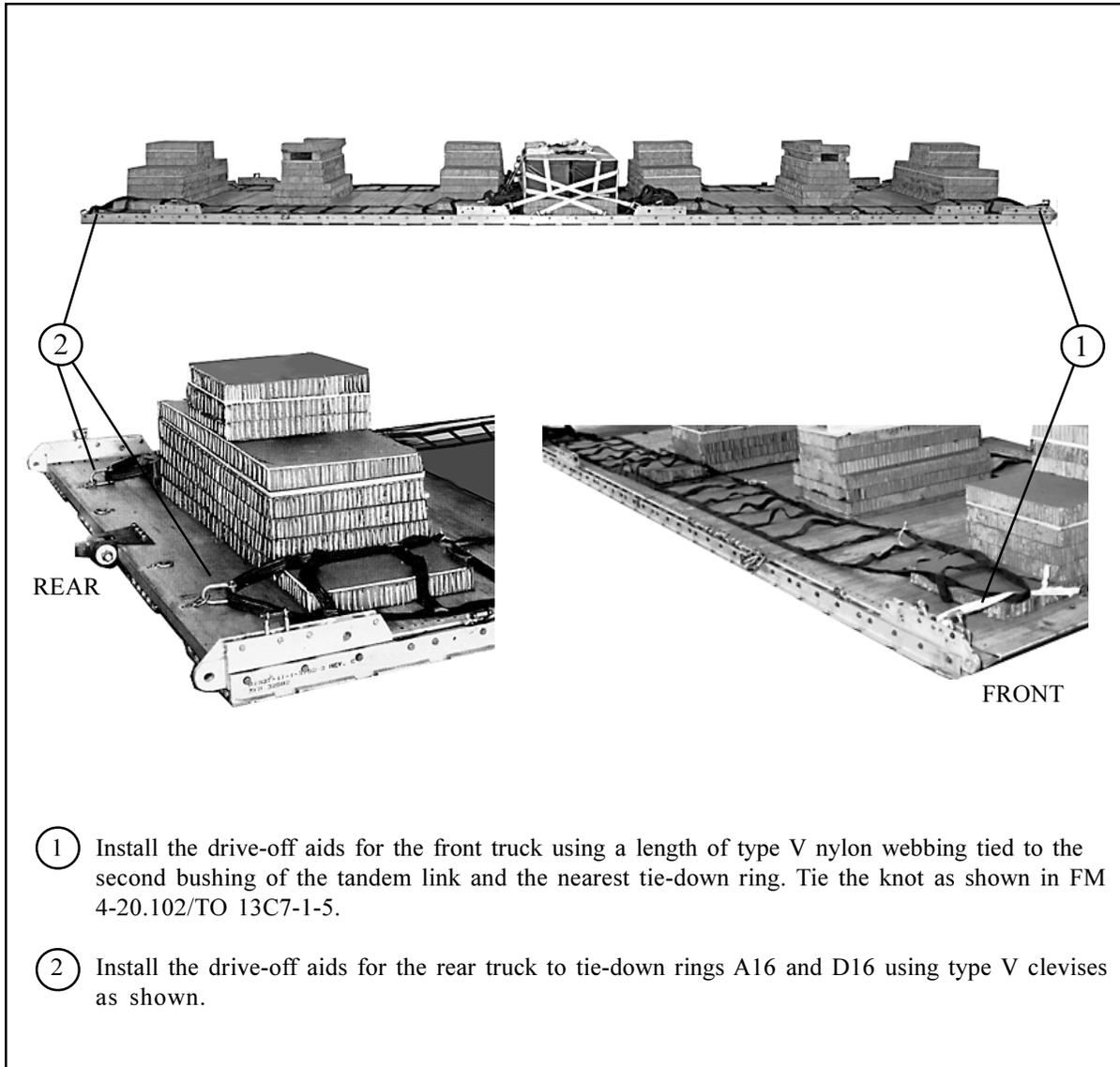


Figure 6-5. Drive-off Aids Installed on Platform

PREPARING AND LOADING TRUCKS

6-6. Prepare and load the trucks as described below.

- a.* Prepare both trucks according to the preparation procedures in Chapter 2 of this manual.
- b.* Omit Step 6, Figure 2-10 for both trucks.
- c.* Omit the parachute release platform for the front truck (Figure 2-13, step 1).
- d.* Prepare the parachute release platform and place it on the rear truck as shown in Figure 6-6.
- e.* Use or adapt the procedures in Figure 2-14 of this manual to rig loads in the trucks. For this load, the trucks may be left empty.

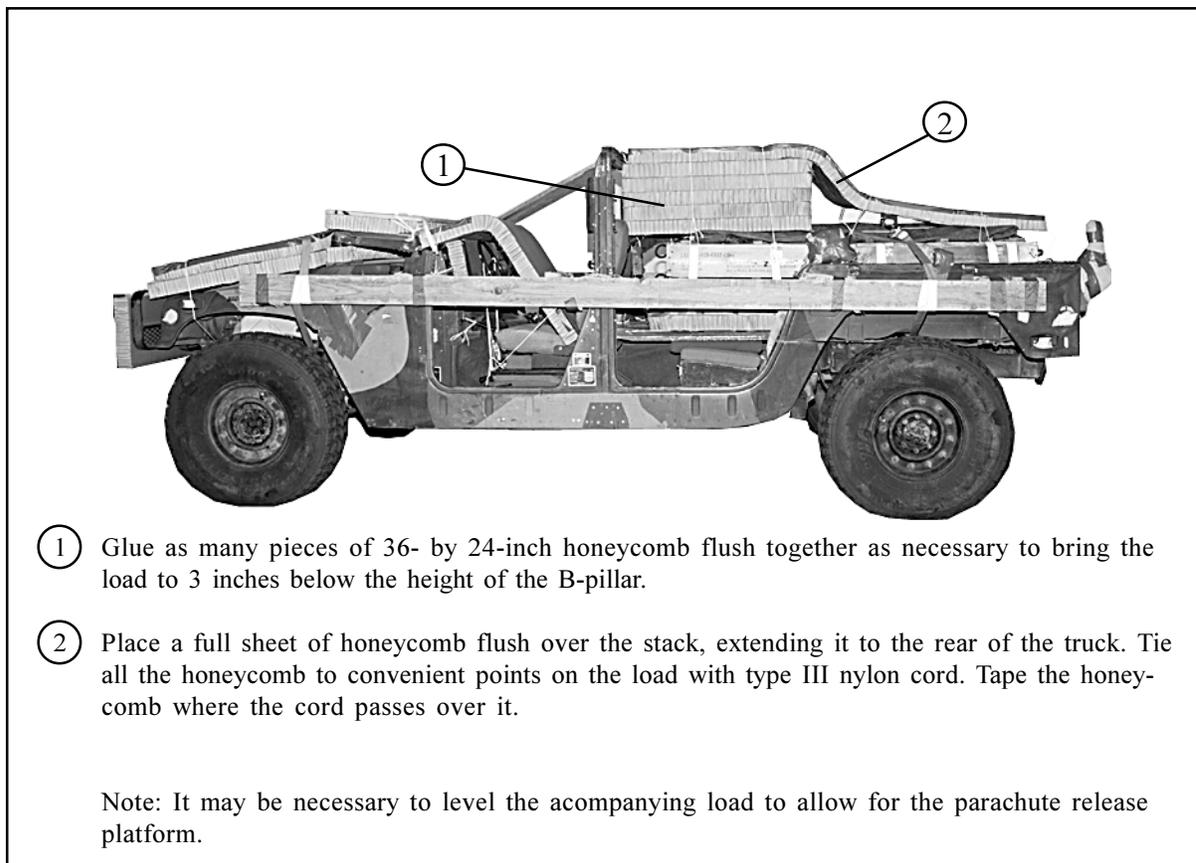
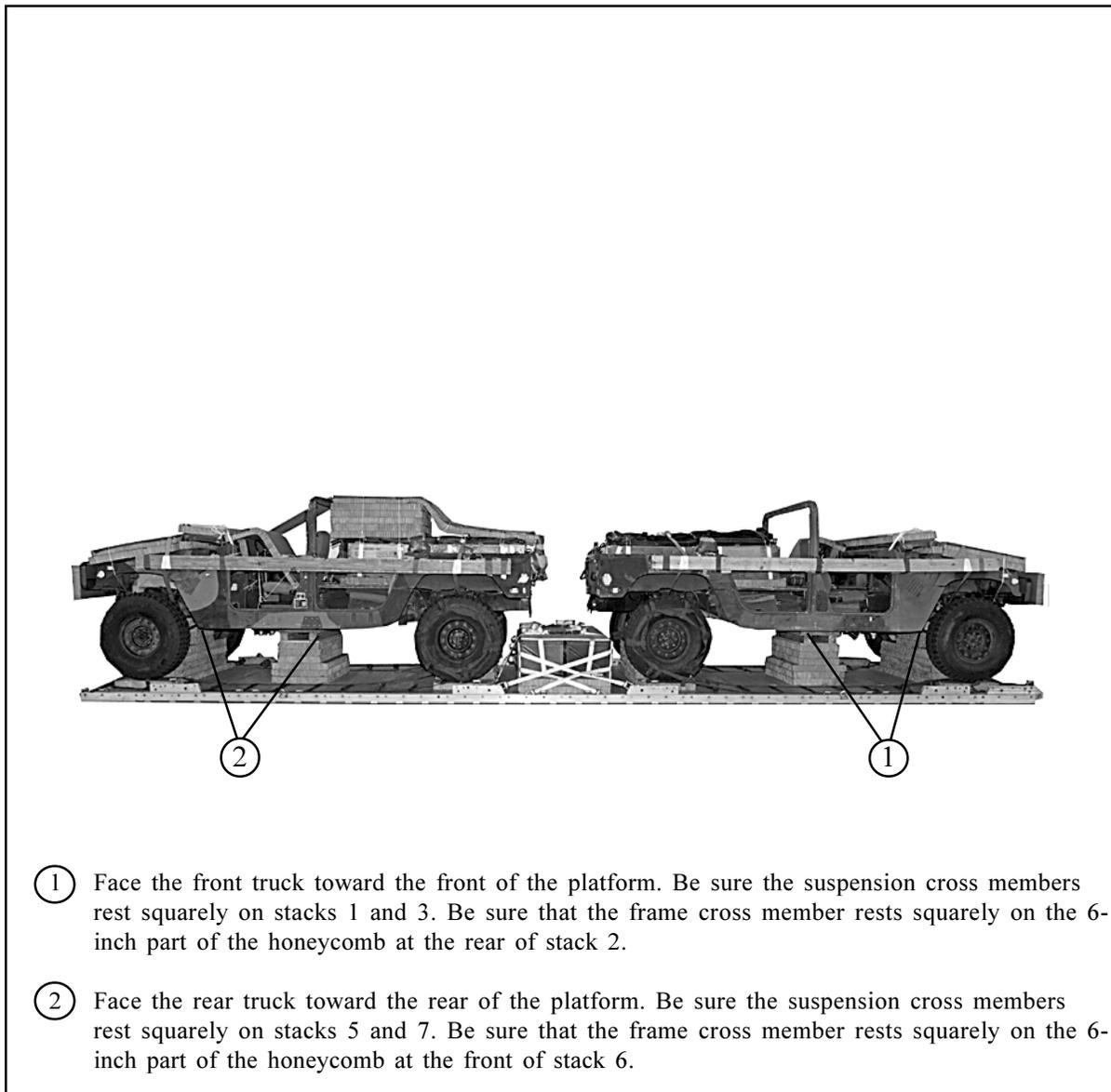


Figure 6-6. Parachute Release Platform Installed on Rear Truck

LIFTING AND POSITIONING TRUCK AND INSTALLING OPTIONAL DRIVE-OFF AIDS

6-7. Install the lifting slings as shown in Figure 2-16 of this manual. Position the trucks on the platform as shown in Figure 6-7 below. Attach the optional drive-off aids to the wheels of the trucks according to FM 4-20.102/TO 13C7-1-5, and as shown in Figure 2-17 of this manual.



- ① Face the front truck toward the front of the platform. Be sure the suspension cross members rest squarely on stacks 1 and 3. Be sure that the frame cross member rests squarely on the 6-inch part of the honeycomb at the rear of stack 2.
- ② Face the rear truck toward the rear of the platform. Be sure the suspension cross members rest squarely on stacks 5 and 7. Be sure that the frame cross member rests squarely on the 6-inch part of the honeycomb at the front of stack 6.

Figure 6-7. Lifting Slings Installed and Trucks Positioned