

CHAPTER 5

RIGGING SPECIFIC ACCOMPANYING LOADS IN HMMWV-SERIES TRUCKS

DESCRIPTION OF LOADS

5-1. This chapter tells and shows how to rig specific items of Army equipment in the cargo bodies of HMMWV-series trucks. All trucks on 16-foot and 20-foot platforms must be rigged with a load in the truck. See the chapter or section for the particular truck for the minimum and maximum allowable load weights. If a specific piece of equipment is lighter than the minimum specified weight, additional items must be rigged to meet the minimum weight requirement.

Since loads in actual tactical situations vary greatly, and equipment changes rapidly, use these procedures as guides for rigging similar items.

The loads shown in this chapter can be rigged in trucks of similar configuration and load capacity, unless the procedures specify that the load can be rigged in only one model of truck. Consult the chapter or section for the truck shown to find alternative truck models that can be used to rig the load.

CAUTION

Only ammunition listed in FM 10-500-53/MCRP 4-3.81/TO 13C7-18-41 may be airdropped. Package, mark, and label hazardous material according to AFJMAN 24-204/TM 38-250.

RIGGING TACCS, AMMUNITION, AND TRUCK EQUIPMENT IN M998 AND M1039 CARGO/TROOP CARRIERS

5-2. Use the procedures in Figure 5-1 to stow the TACCS (Tactical Army Combat Service Support Computer System), six boxes of 20-mm ammunition, and truck equipment. The accompanying load shown weighs 990 pounds.

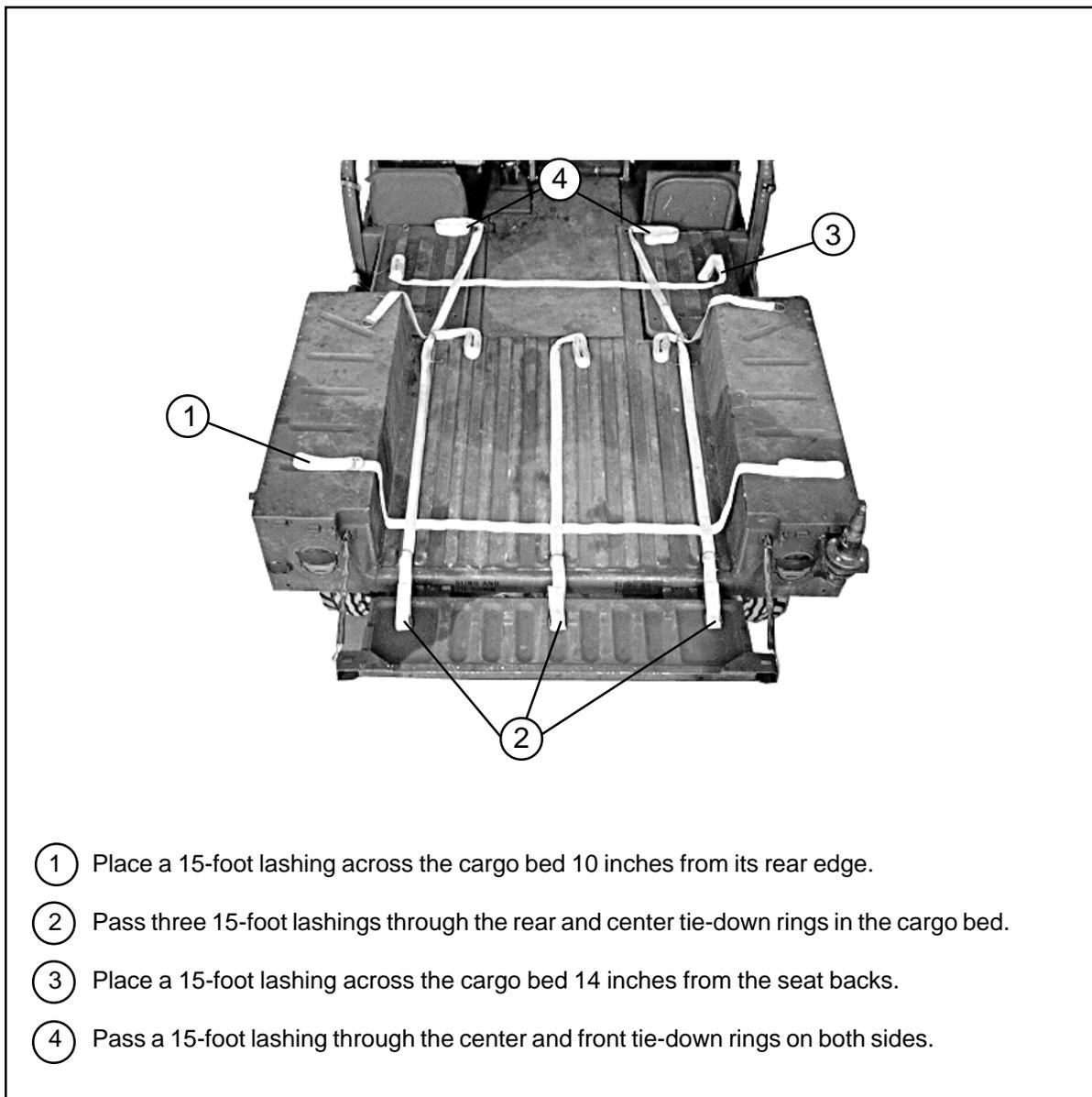


Figure 5-1. TACCS, Ammunition, and Truck Equipment Rigged in Cargo/Troop Carrier

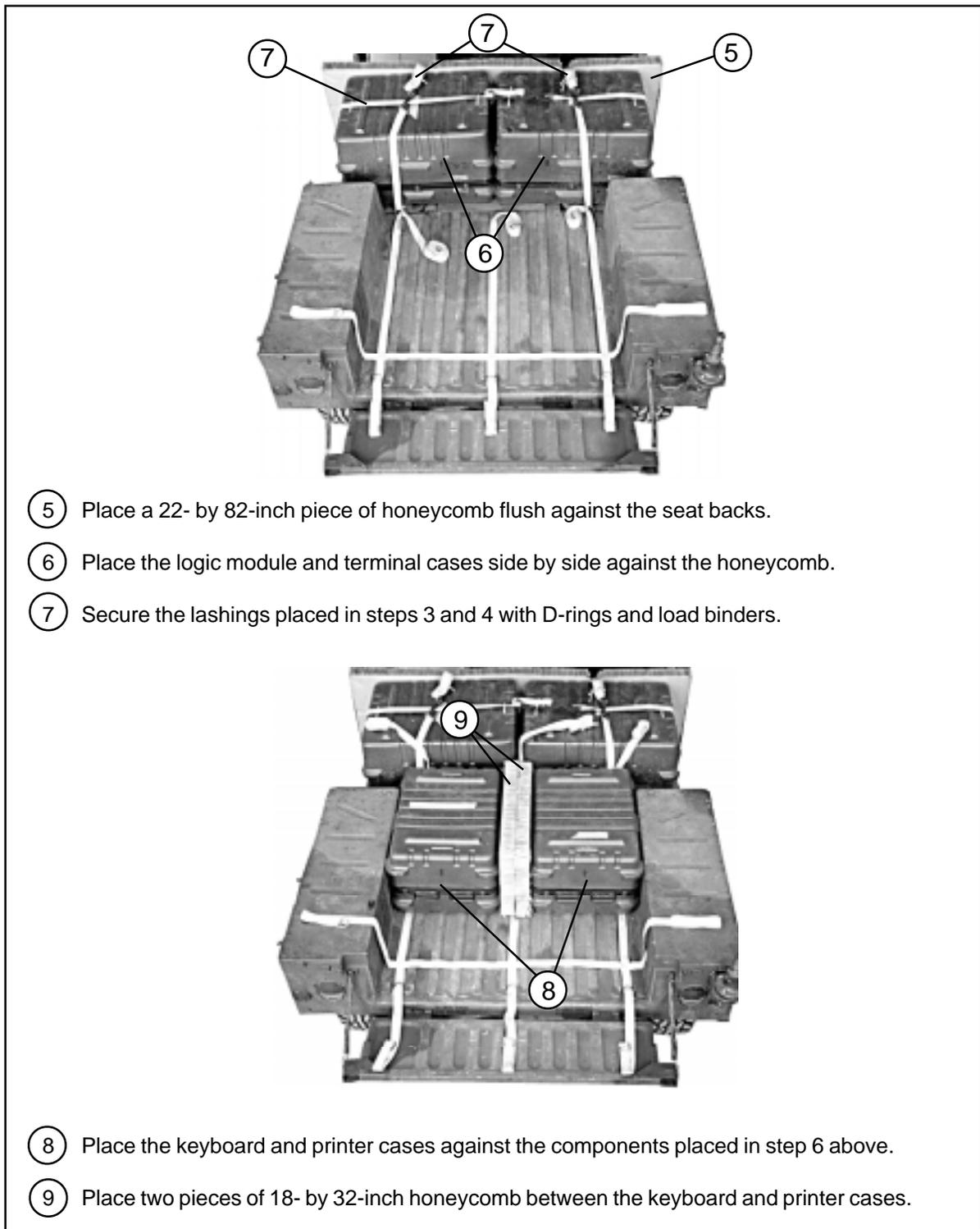
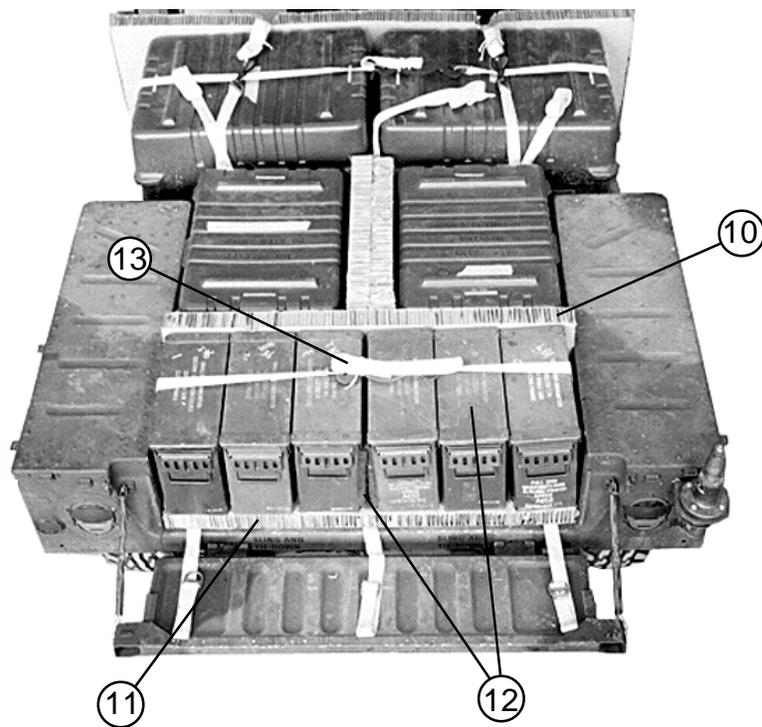
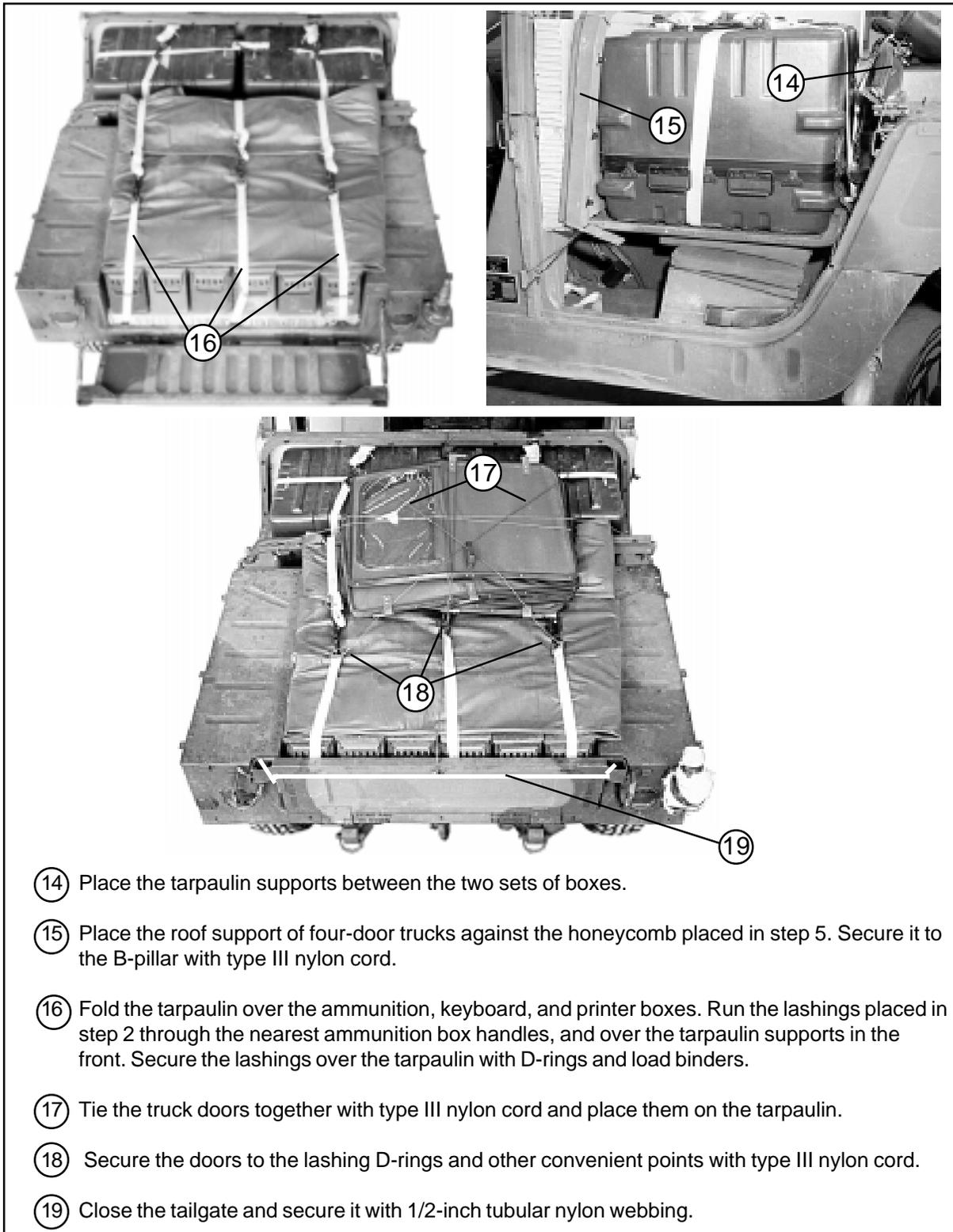


Figure 5-1. TACCS, Ammunition, and Truck Equipment Rigged in Cargo/Troop Carrier (continued)



- ⑩ Place an 18- by 52-inch piece of honeycomb against the keyboard and printer boxes.
- ⑪ Place an 18- by 52-inch piece of honeycomb on the cargo bed floor.
- ⑫ Place six boxes of 20-mm ammunition on the honeycomb. Place two pieces of 1/2- by 15- by 19-inch felt between the third and fourth boxes.
- ⑬ Bind the boxes together with the lashing placed in step 1.

Figure 5-1. TACCS, Ammunition, and Truck Equipment Rigged in Cargo/Troop Carrier (continued)



- ①④ Place the tarpaulin supports between the two sets of boxes.
- ①⑤ Place the roof support of four-door trucks against the honeycomb placed in step 5. Secure it to the B-pillar with type III nylon cord.
- ①⑥ Fold the tarpaulin over the ammunition, keyboard, and printer boxes. Run the lashings placed in step 2 through the nearest ammunition box handles, and over the tarpaulin supports in the front. Secure the lashings over the tarpaulin with D-rings and load binders.
- ①⑦ Tie the truck doors together with type III nylon cord and place them on the tarpaulin.
- ①⑧ Secure the doors to the lashing D-rings and other convenient points with type III nylon cord.
- ①⑨ Close the tailgate and secure it with 1/2-inch tubular nylon webbing.

Figure 5-1. TACCS, Ammunition, and Truck Equipment Rigged in Cargo/Troop Carrier (continued)

RIGGING AN/TVQ/2 GROUND/VEHICLE LASER LOCATOR DESIGNATOR (G/VLLD) IN M966 TOW CARRIER

5-3. Use the procedures in Figure 5-2 to stow the G/VLLD, its accompanying equipment, camouflage net and poles, antenna, fuel can, and water can. This accompanying load weighs 801 pounds.

Note: Make sure the unit owning the truck has installed the deck tie-down rings.

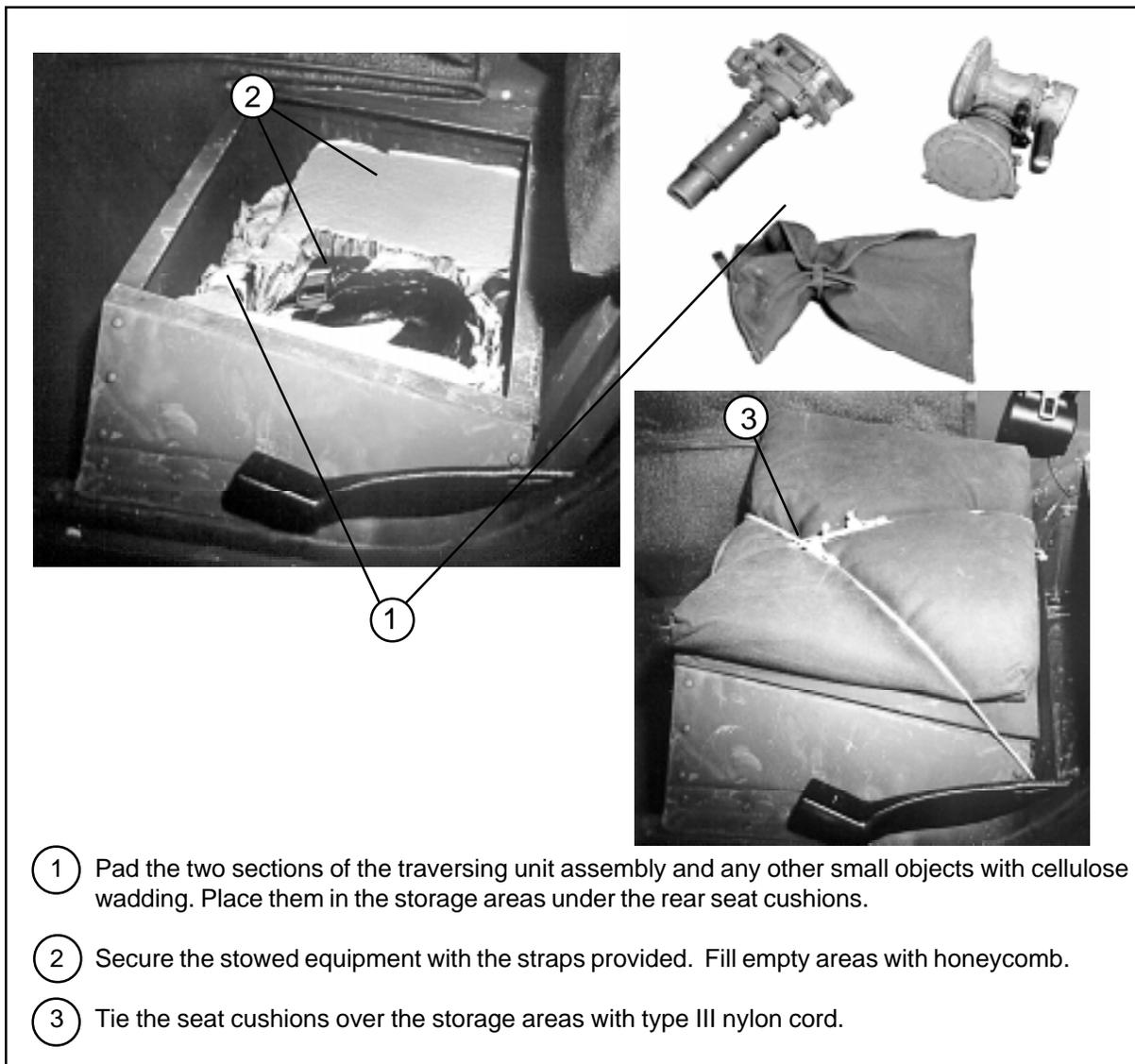
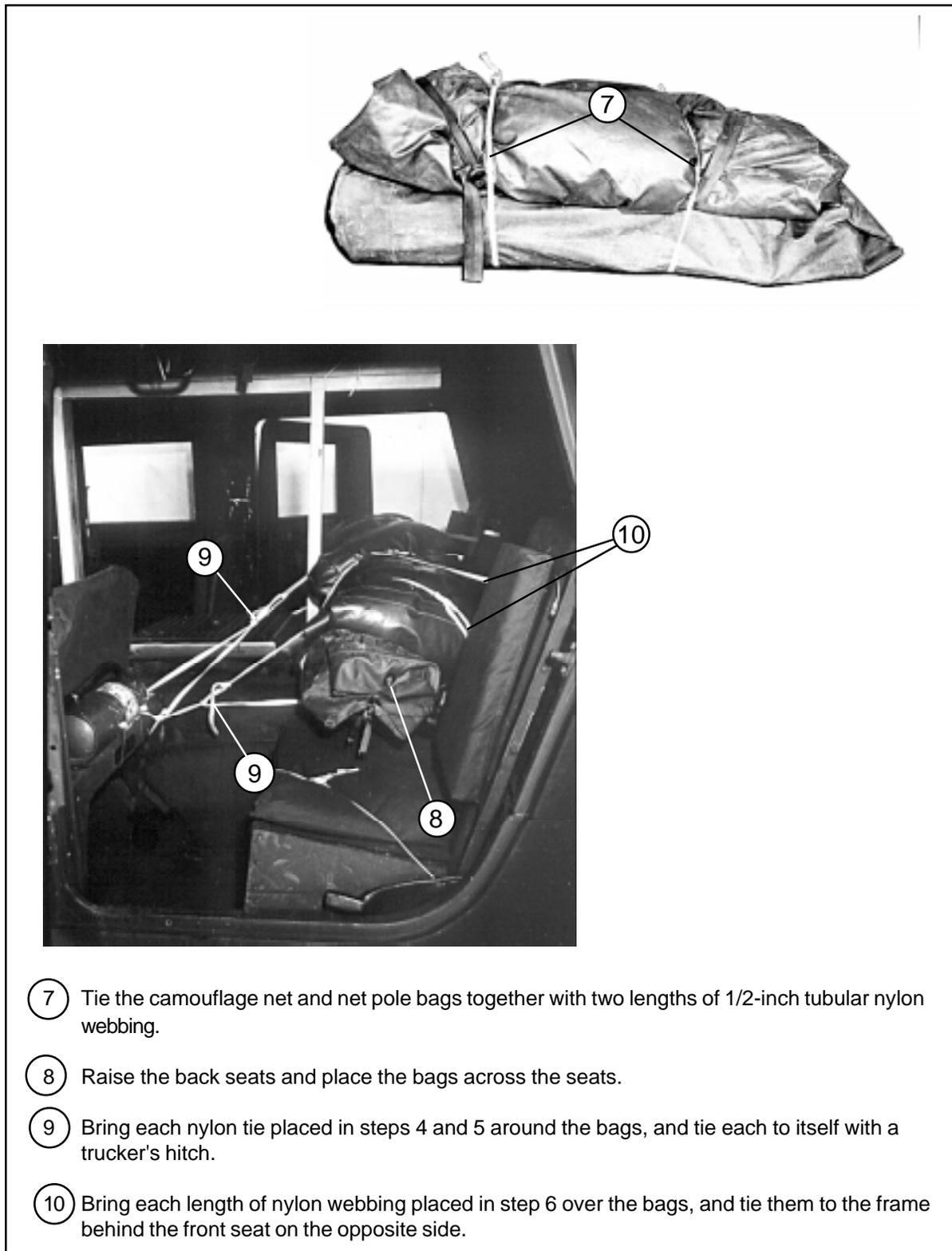


Figure 5-2. G/VLLD and Accompanying Equipment Rigged in M966 Truck

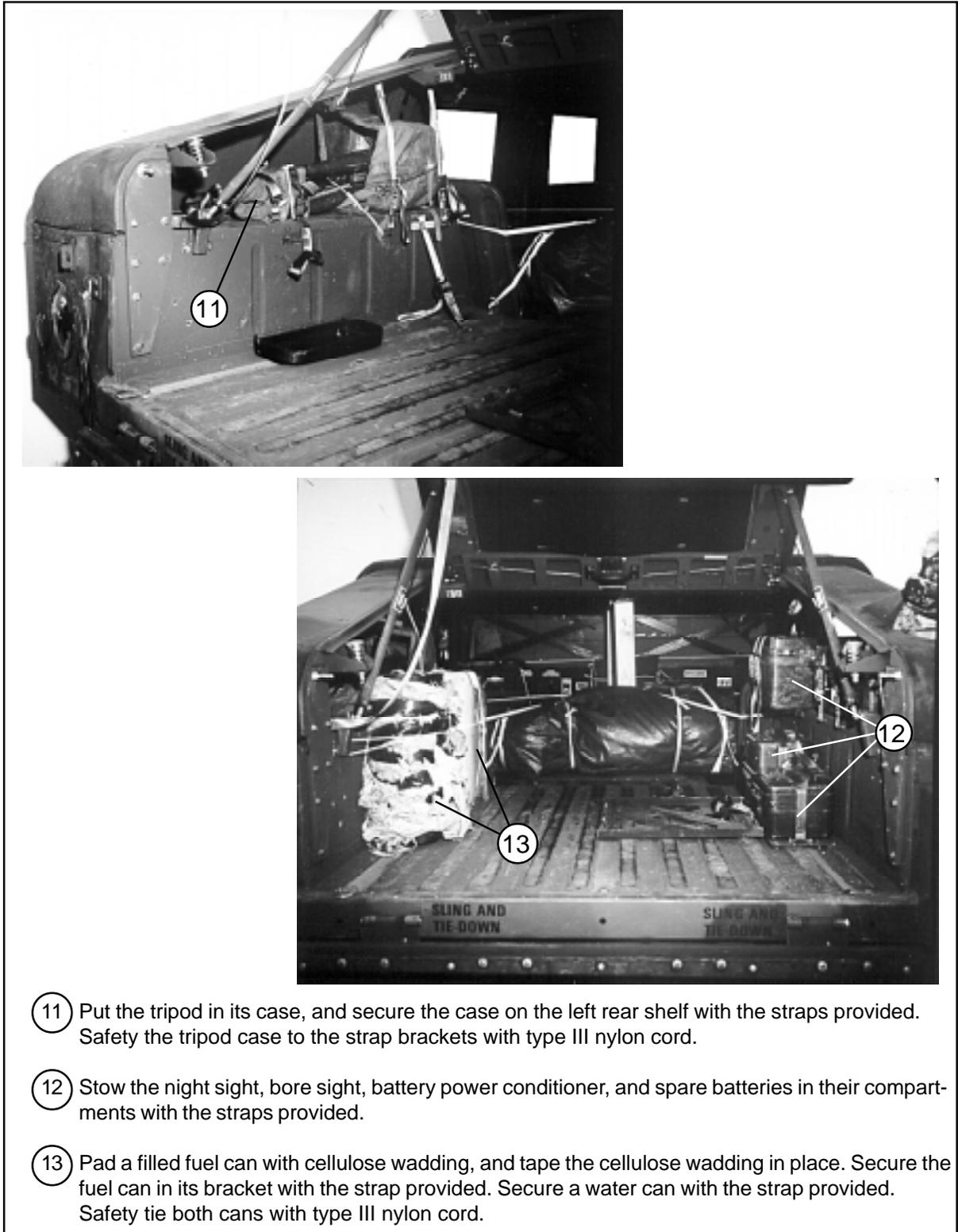


Figure 5-2. G/VLLD and Accompanying Equipment Rigged in M966 Truck (continued)



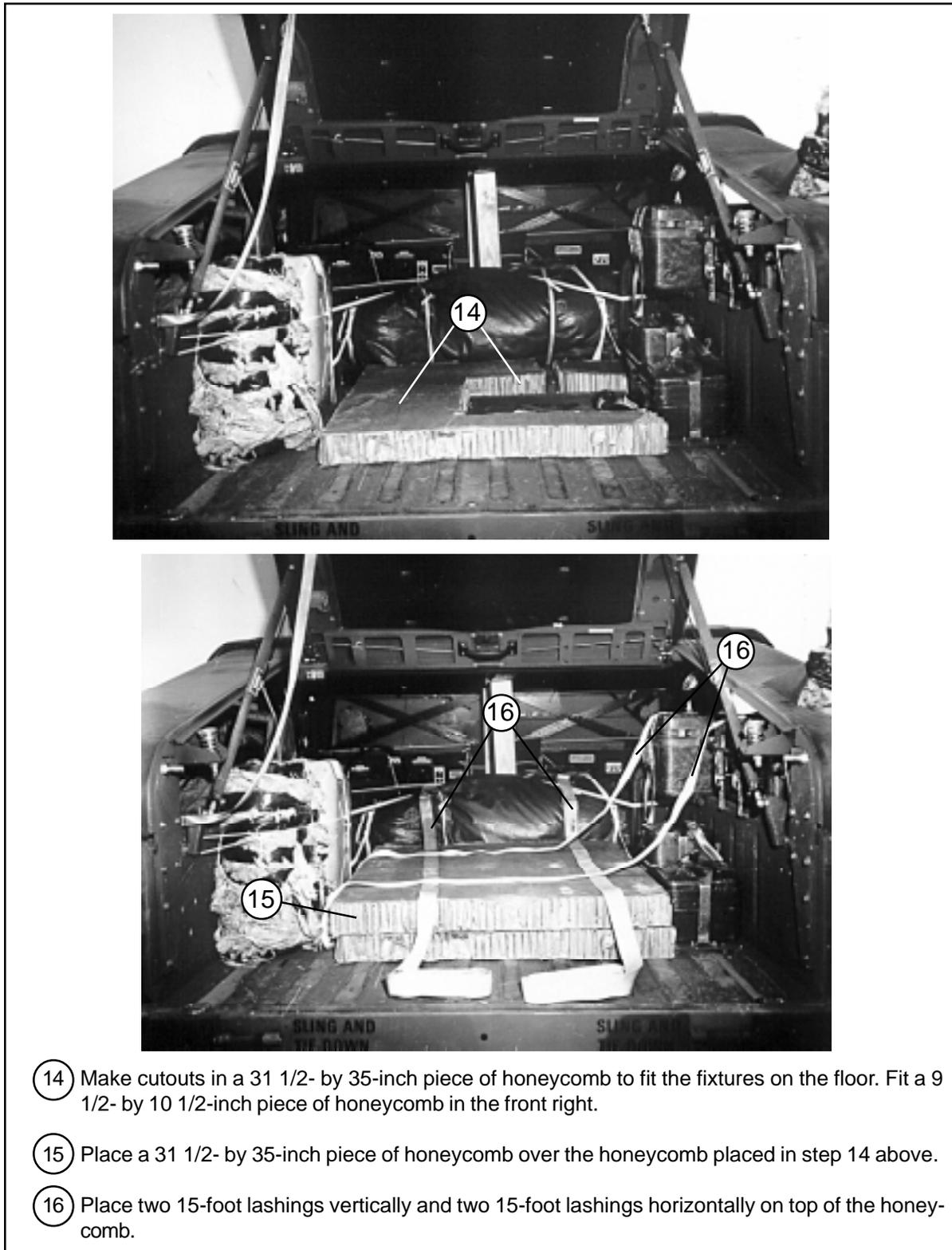
- ⑦ Tie the camouflage net and net pole bags together with two lengths of 1/2-inch tubular nylon webbing.
- ⑧ Raise the back seats and place the bags across the seats.
- ⑨ Bring each nylon tie placed in steps 4 and 5 around the bags, and tie each to itself with a trucker's hitch.
- ⑩ Bring each length of nylon webbing placed in step 6 over the bags, and tie them to the frame behind the front seat on the opposite side.

Figure 5-2. G/VLLD and Accompanying Equipment Rigged in M966 Truck (continued)



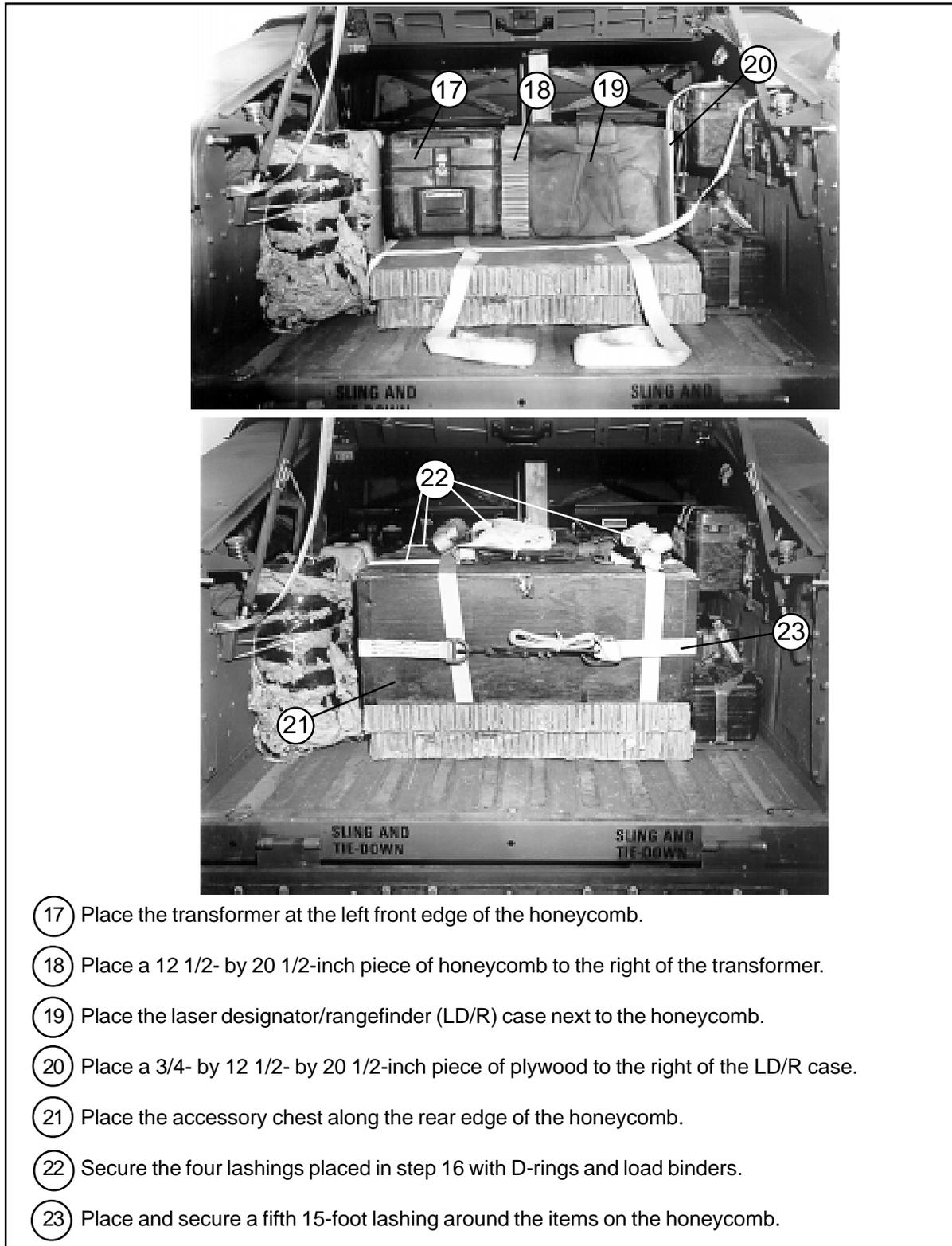
- 11 Put the tripod in its case, and secure the case on the left rear shelf with the straps provided. Safety tie the tripod case to the strap brackets with type III nylon cord.
- 12 Stow the night sight, bore sight, battery power conditioner, and spare batteries in their compartments with the straps provided.
- 13 Pad a filled fuel can with cellulose wadding, and tape the cellulose wadding in place. Secure the fuel can in its bracket with the strap provided. Secure a water can with the strap provided. Safety tie both cans with type III nylon cord.

Figure 5-2. G/VLLD and Accompanying Equipment Rigged in M966 Truck (continued)



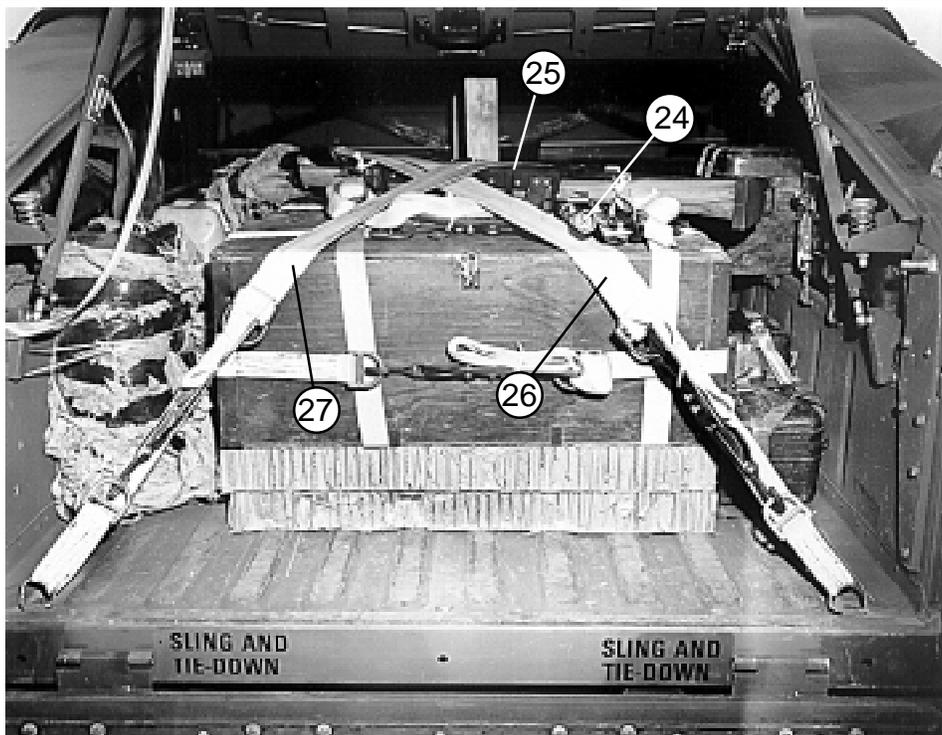
- ⑭ Make cutouts in a 31 1/2- by 35-inch piece of honeycomb to fit the fixtures on the floor. Fit a 9 1/2- by 10 1/2-inch piece of honeycomb in the front right.
- ⑮ Place a 31 1/2- by 35-inch piece of honeycomb over the honeycomb placed in step 14 above.
- ⑯ Place two 15-foot lashings vertically and two 15-foot lashings horizontally on top of the honeycomb.

Figure 5-2. G/VLLD and Accompanying Equipment Rigged in M966 Truck (continued)



- ① Place the transformer at the left front edge of the honeycomb.
- ② Place a 12 1/2- by 20 1/2-inch piece of honeycomb to the right of the transformer.
- ③ Place the laser designator/rangefinder (LD/R) case next to the honeycomb.
- ④ Place a 3/4- by 12 1/2- by 20 1/2-inch piece of plywood to the right of the LD/R case.
- ⑤ Place the accessory chest along the rear edge of the honeycomb.
- ⑥ Secure the four lashings placed in step 16 with D-rings and load binders.
- ⑦ Place and secure a fifth 15-foot lashing around the items on the honeycomb.

Figure 5-2. G/VLLD and Accompanying Equipment Rigged in M966 Truck (continued)



- ②④ Place the antenna poles on top of the load. Secure them to convenient points with type III nylon cord.
- ②⑤ Place any other truck equipment on top of the load, and secure it with 1/2-inch tubular nylon webbing. (The pioneer tool kit is shown, but it is not necessary to remove it from its normal stowage position under the truck.)
- ②⑥ Pass a 15-foot lashing over the load from the right rear to the left front tie-down ring. Secure it with a D-ring and a load binder.
- ②⑦ Pass a 15-foot lashing over the load from the left rear to the right front tie-down ring. Secure it with a D-ring and a load binder.

Figure 5-2. G/VLLD and Accompanying Equipment Rigged in M966 Truck (continued)

RIGGING AN/USG-70 POSITION AND AZIMUTH DETERMINING SYSTEM (PADS) IN M998 CARGO/TROOP CARRIER

5-3. Use the procedures shown in Figure 5-13 to rig the PADS, camouflage net and poles, fuel can, water can, and four boxes of 105-mm ammunition. The load shown here weighs 834 pounds.