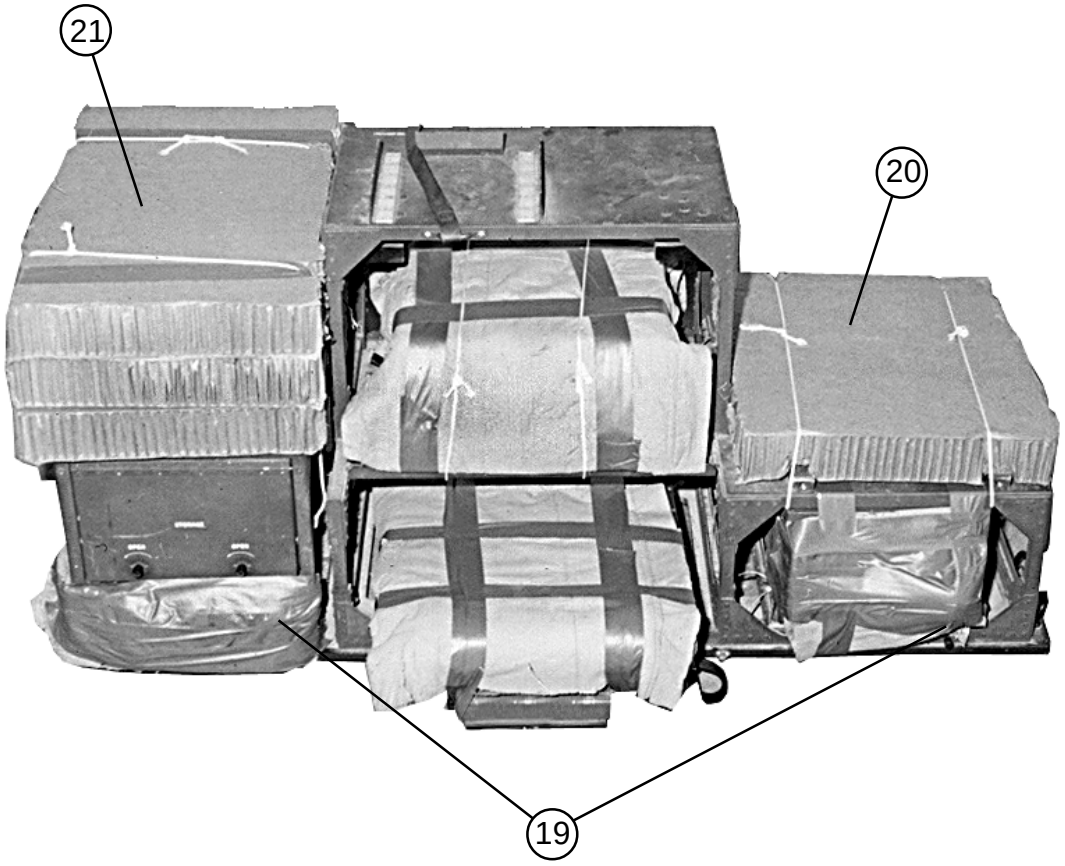
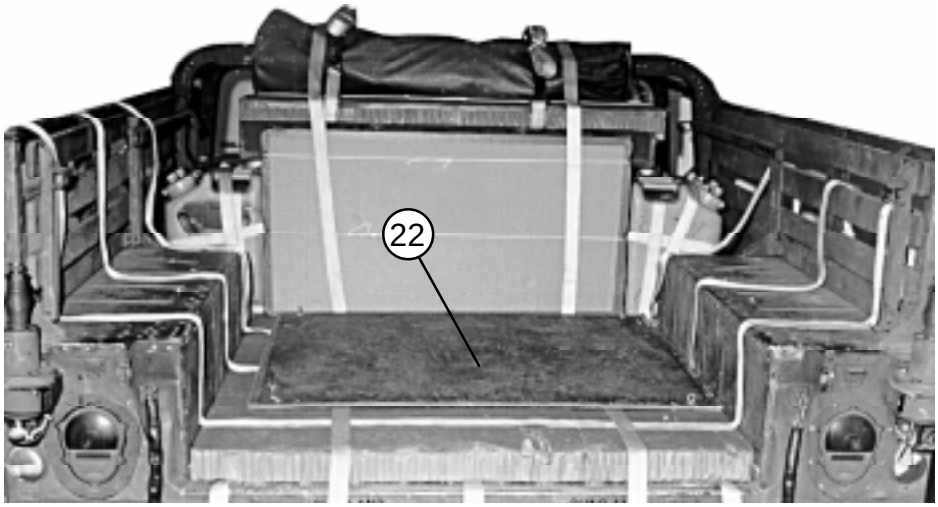


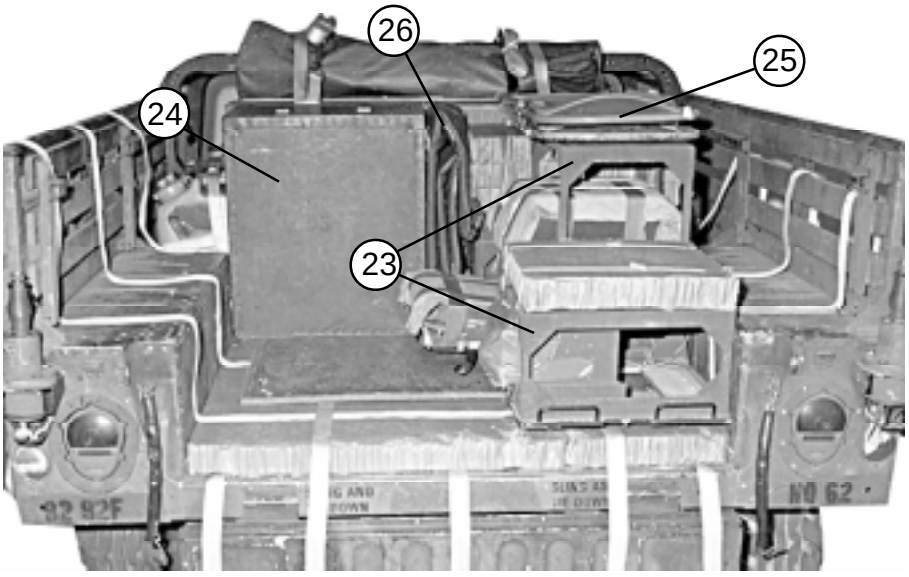
19 Pad the face of the PDB and the PLU with cellulose wadding taped in place.

20 Place a 17- by 19 1/2-inch piece of honeycomb on top of the PLU. Crush the honeycomb to allow for the printer mount and tie the honeycomb to the PLU with type III nylon cord.

21 Place the keyboard container made in steps 13 and 14 on top of the PDB, and tie it in place with type III nylon cord.

Figure 5-9. LTACFIRE and Accompanying Equipment Rigged in M998 Truck (continued)





22 Place the map board face down on the honeycomb in the truck cargo bed.

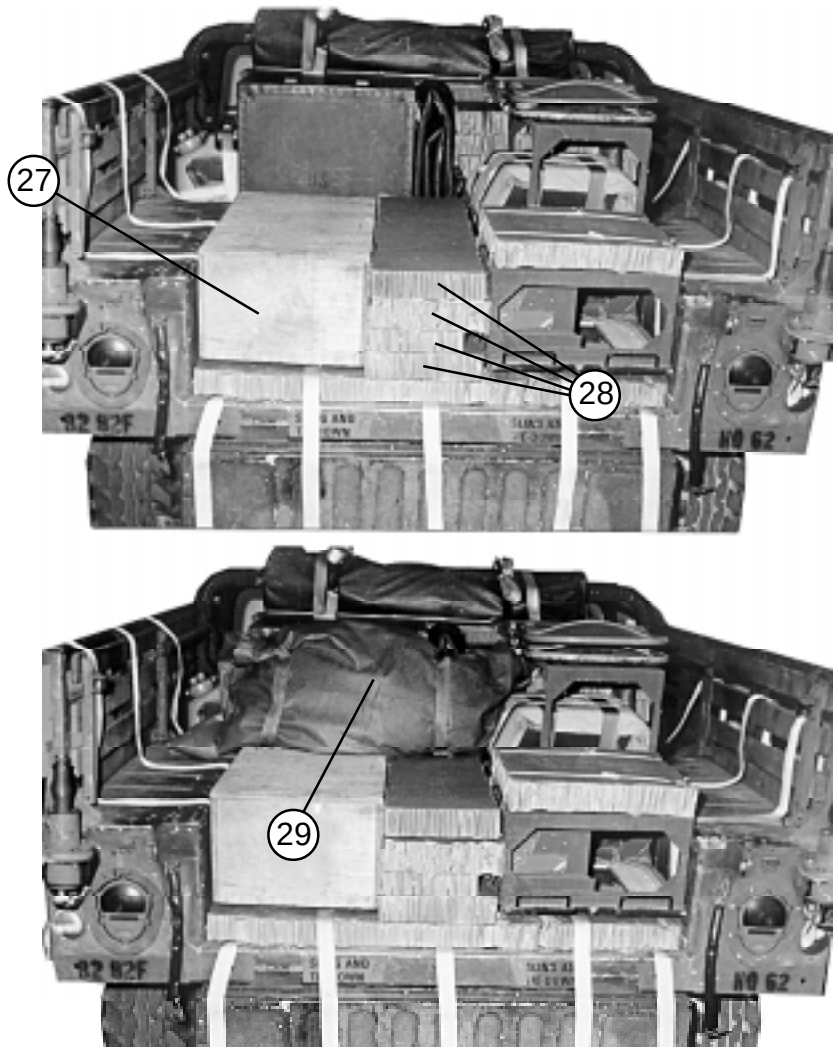
23 Place the upper rack in the truck cargo bed as shown.

24 Place one field desk in the truck cargo bed.

25 Place the two folding chairs on the upper rack.

26 Place the truck cab cover between the field desk and upper rack.

Figure 5-9. LTACFIRE and Accompanying Equipment Rigged in M998 Truck (continued)

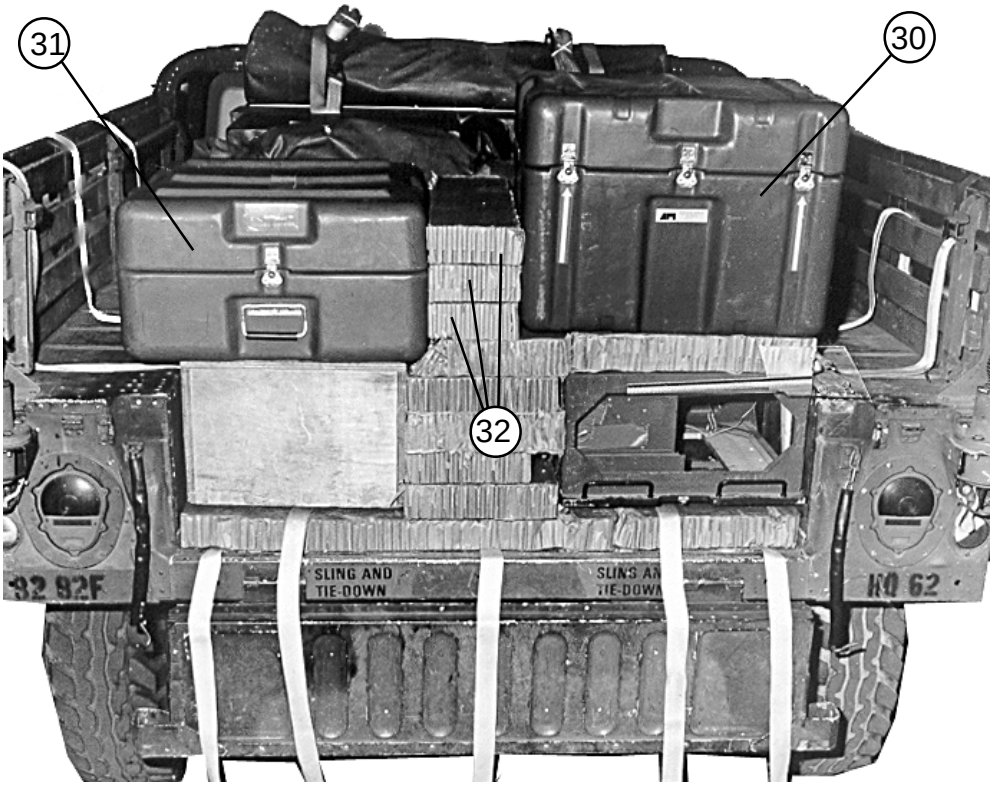


(27) Place the footlocker (containing antenna mounts and any other small items) in the cargo bed.

(28) Fill the space between the footlocker and the PLU section of the upper rack with four pieces of honeycomb cut to fit.

(29) Place the camouflage net bag on the footlocker and honeycomb, against the field desk.

Figure 5-9. LTACFIRE and Accompanying Equipment Rigged in M998 Truck (continued)



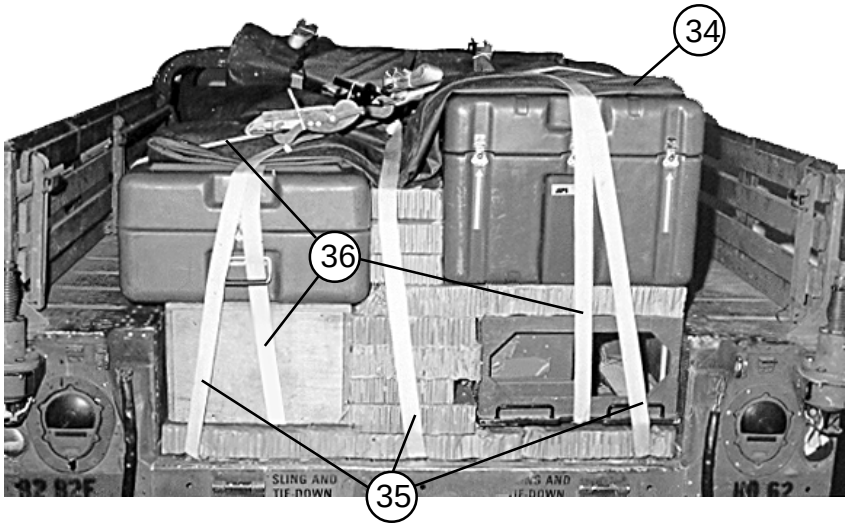
(30) Place the monitor case on the upper rack.

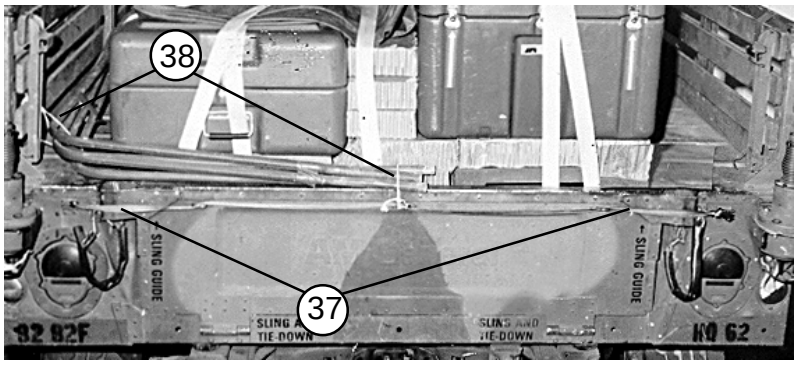
(31) Place the printer case on the footlocker.

(32) Fill the space between the printer and monitor cases with three pieces of honeycomb cut to fit.

(33) Tape the antennas together and tie them to the upper radio rack with type III nylon cord (not shown).

Figure 5-9. LTACFIRE and Accompanying Equipment Rigged in M998 Truck (continued)





34 Cover the items with the folded truck cargo bed cover.

35 Secure the three lashings pre-positioned under the honeycomb in steps 2 through 4 over the load.

36 Secure the lashings placed in steps 11 and 12 over the load, passing them through box carrying handles whenever possible.

37 Close the tailgate and secure it with 1/2-inch tubular nylon webbing.

38 Tie the bows together and secure them to convenient points with type III nylon cord.

Figure 5-9. LTACFIRE and Accompanying Equipment Rigged in M998 Truck (continued)

RIGGING INITIAL FIRE SUPPORT AUTOMATED SYSTEM (IFSAS) IN M998 TRUCK

5-10. Use the procedures shown in Figure 5-10 to rig the IFSAS in a cargo/troop carrier-configured truck. An additional 500 pounds of equipment must be added to the items shown to meet the minimum weight requirement of 800 pounds for the accompanying load. Boxes of 105-millimeter ammunition are shown here, but other items weighing the same or more may be used.

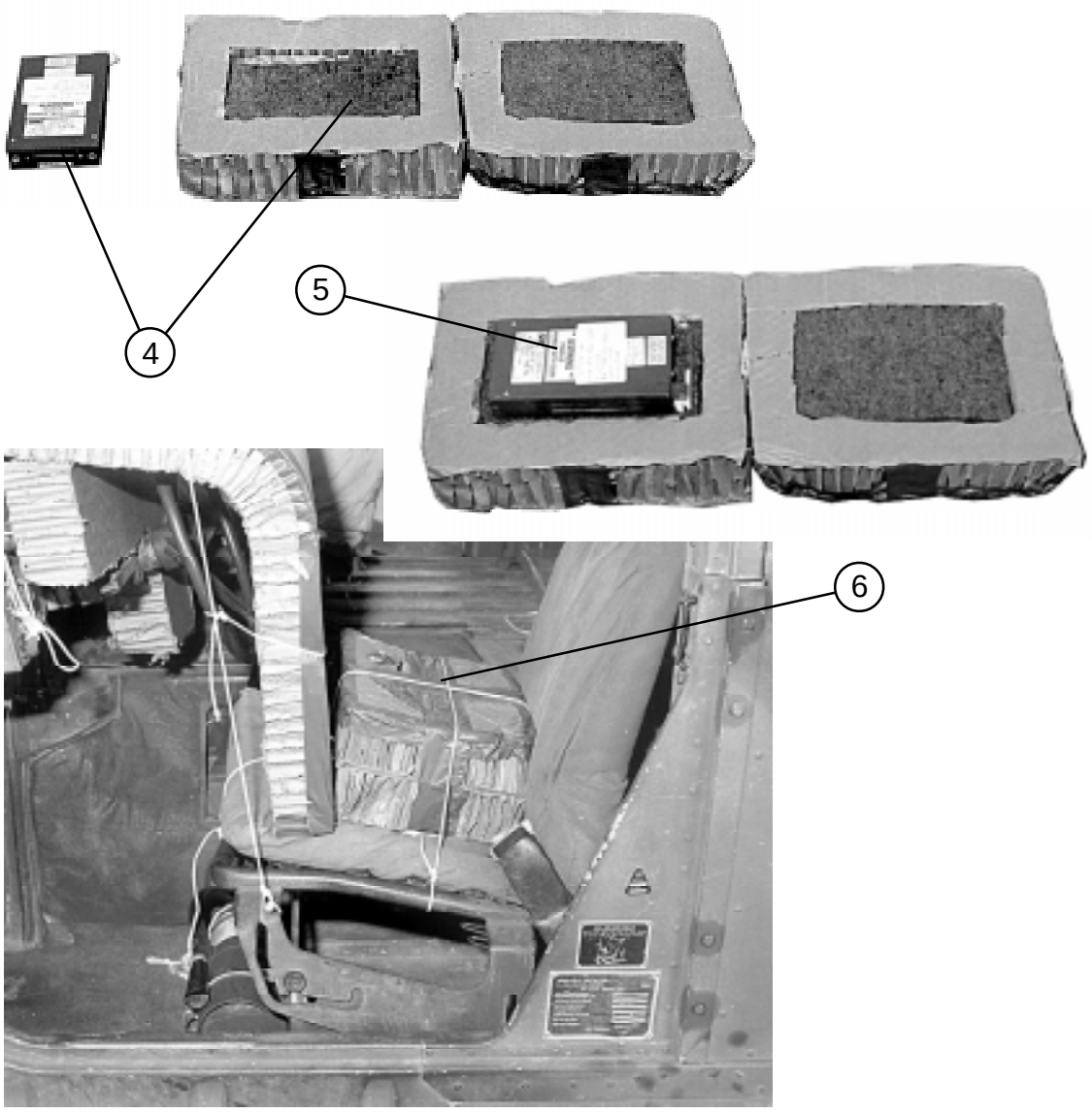
(1) Place the computer unit in its soft carrying bag. Place the bag in the hard case and secure the case.

Figure 5-10. IFSAS Rigged in M998 Truck

(2) Place the printer and the paper tray in the soft carrying bag. Place the bag in the hard case and secure the case.

(3) Place the power supply and the power cable in the soft carrying bag. Place the bag in the hard case and secure the case.

Figure 5-10. IFSAS Rigged in M998 Truck (continued)

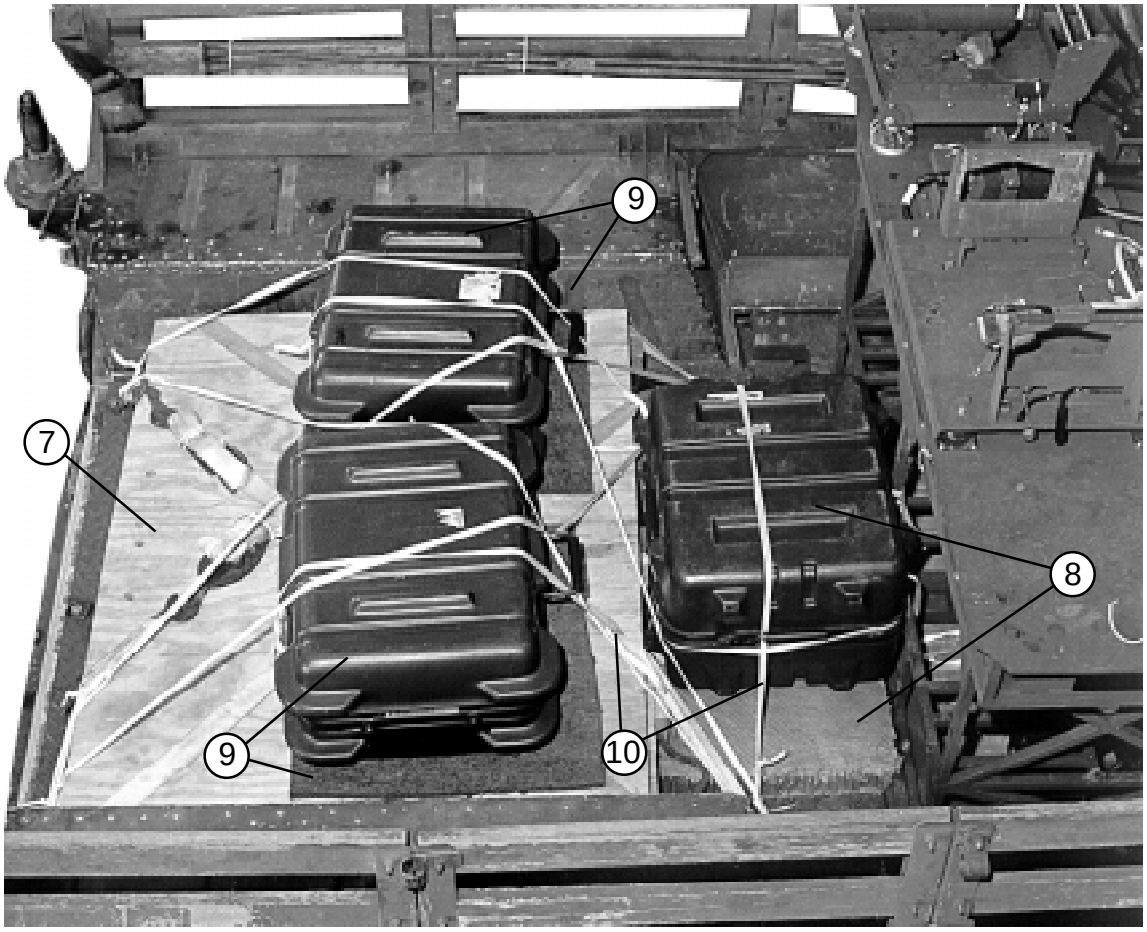


4 Center an indentation with the dimensions of the hard drive in two 8- by 12-inch pieces of honeycomb. Place felt or a cellulose wadding pad of the same dimensions in each indentation.

5 Place the hard drive in the indentations and tape the second piece of honeycomb over the first as a cover.

6 Tie the hard drive box to the seat frame with type III nylon cord.

Figure 5-10. IFSAS Rigged in M998 Truck (continued)



(7) Stow unit equipment or ballast sufficient to meet the minimum load weight of 800 pounds. Boxes of ammunition are placed on a layer of honeycomb and under the plywood shown in this figure.

(8) Place a 16- by 36-inch piece of honeycomb on the floor between the ammunition boxes and the front equipment racks. Center the computer case on the honeycomb with the handle facing the front.

(9) Evenly space two 19- by 21-inch pieces of felt 6 inches from the front edge of the plywood. Place the two remaining hard cases on the felt with the carrying handles facing the front.

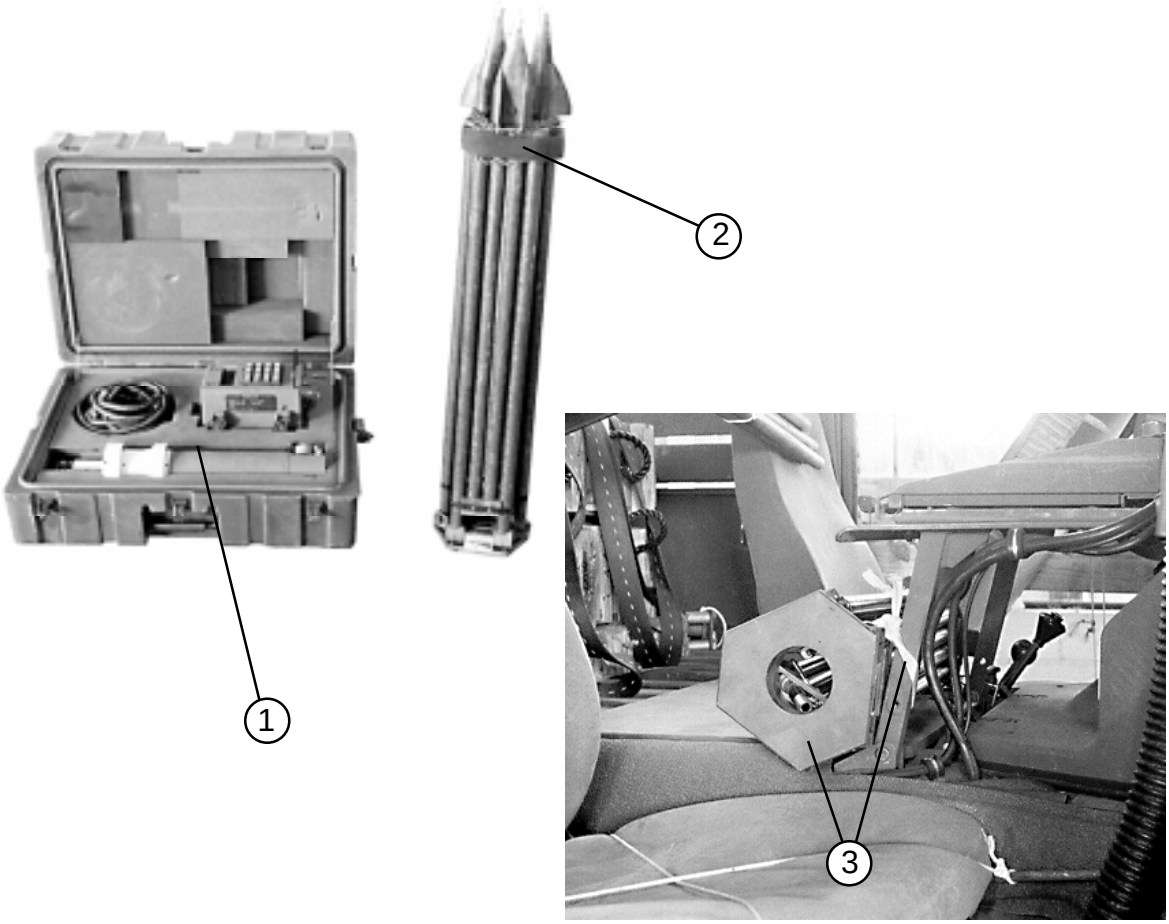
(10) Secure the cases to tie-down rings and equipment racks with 1/2-inch tubular nylon webbing. Pass the webbing through the case carrying handles whenever possible.

(11) Stow additional unit equipment as the mission dictates and according to FM 4-20.102/TO 13C7-1-5. Cover the load with a canvas load cover secured to convenient points with type III nylon cord.

Figure 5-10. IFSAS Rigged in M998 Truck (continued)

RIGGING SEMI-AUTOMATIC METEOROLOGICAL SENSOR (SMS) IN M998 TRUCK

5-11. Use the procedures shown in Figure 5-11 to rig the SMS in a cargo/troop carrier-configured truck. Additional equipment must be added to the items shown to meet the minimum weight requirement of 800 pounds for the accompanying load.

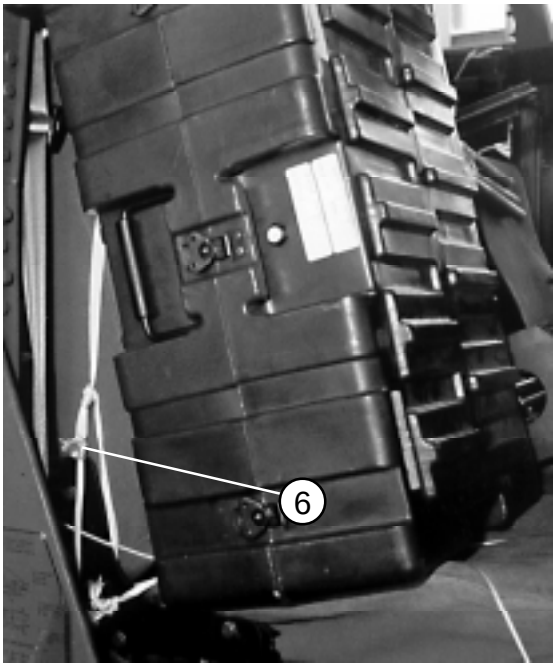


1. With the assistance of the unit owning the SMS, be sure that the SMS is complete and properly padded in its case.

2. Fold the tripod and secure its parts together with the straps provided.

3. Tie the tripod to the rear of the cab radio mount with 1/2-inch tubular nylon webbing.

Figure 5-11. Rigging SMS in Cargo/Troop Carrier



(4) Place the SMS case on the passenger seat with the top carrying handle facing toward the passenger door.

(5) Route two lengths of 1/2-inch tubular nylon webbing through the carrying handle that is now on the case bottom. Tie each length of webbing to the passenger seat frame on each side.

(6) Tie two lengths of 1/2-inch tubular nylon webbing to the top case handle. Secure this nylon webbing to the passenger seat frame on each side with a trucker's hitch.

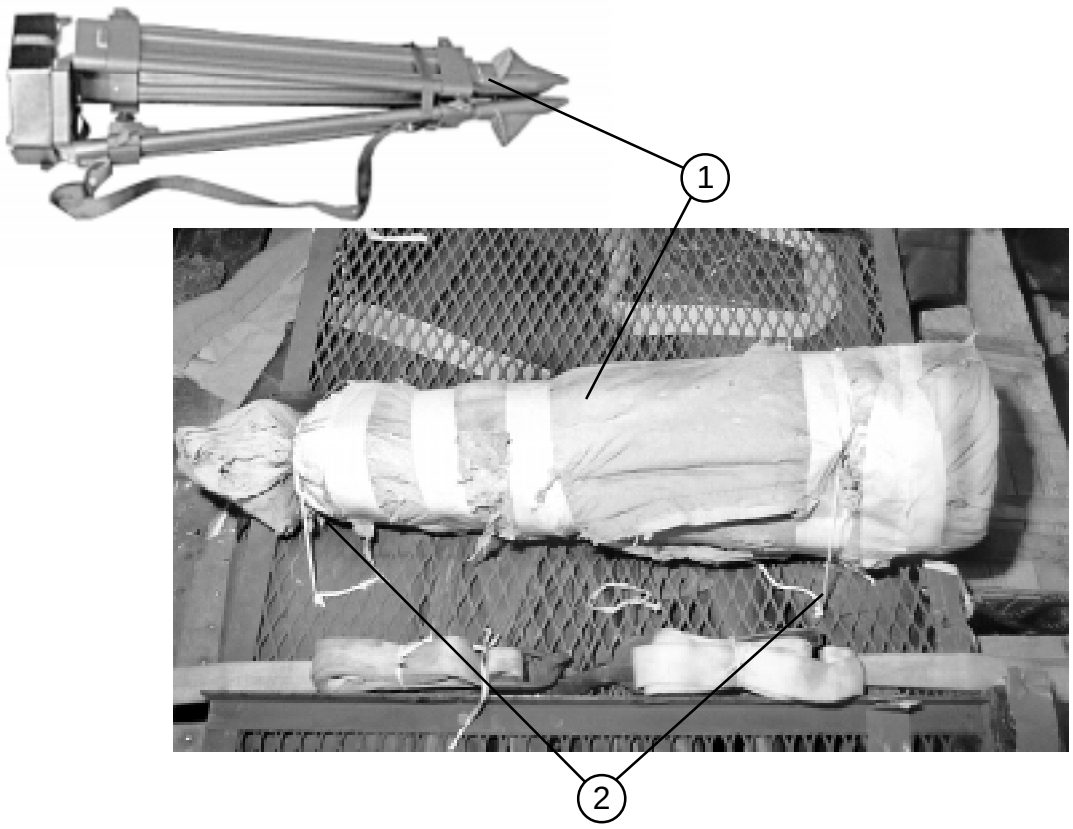
Figure 5-11. Rigging SMS in Cargo/Troop Carrier (continued)

(7) Tie two lengths of 1/2-inch tubular nylon webbing around the case and the seat back. Tie one length above the outside carrying handle, and tie the other length through the carrying handle.

Figure 5-11. Rigging SMS in Cargo/Troop Carrier (continued)

RIGGING GUN LAYING POSITIONING SYSTEM (GLPS) IN M998 TRUCK

5-12. Use the procedures shown in Figure 5-12 to rig the GLPS in a cargo/troop carrier-configured truck (the M1056 truck outfitted as an artillery prime mover is shown). The GLPS consists of four components, each in its own case. The components are the gyro, theodolite, charger, and winterization kit. Additional equipment must be added to the items shown to meet the minimum weight requirement of 800 pounds for the accompanying load.



(1) Wrap the tripod with cellulose wadding. Tape the wadding in place.

(2) Tie the tripod to the truck cargo bed rack with type III nylon cord.

Figure 5-12. GLPS Rigged in M1056 Truck

Case 1 Gyro

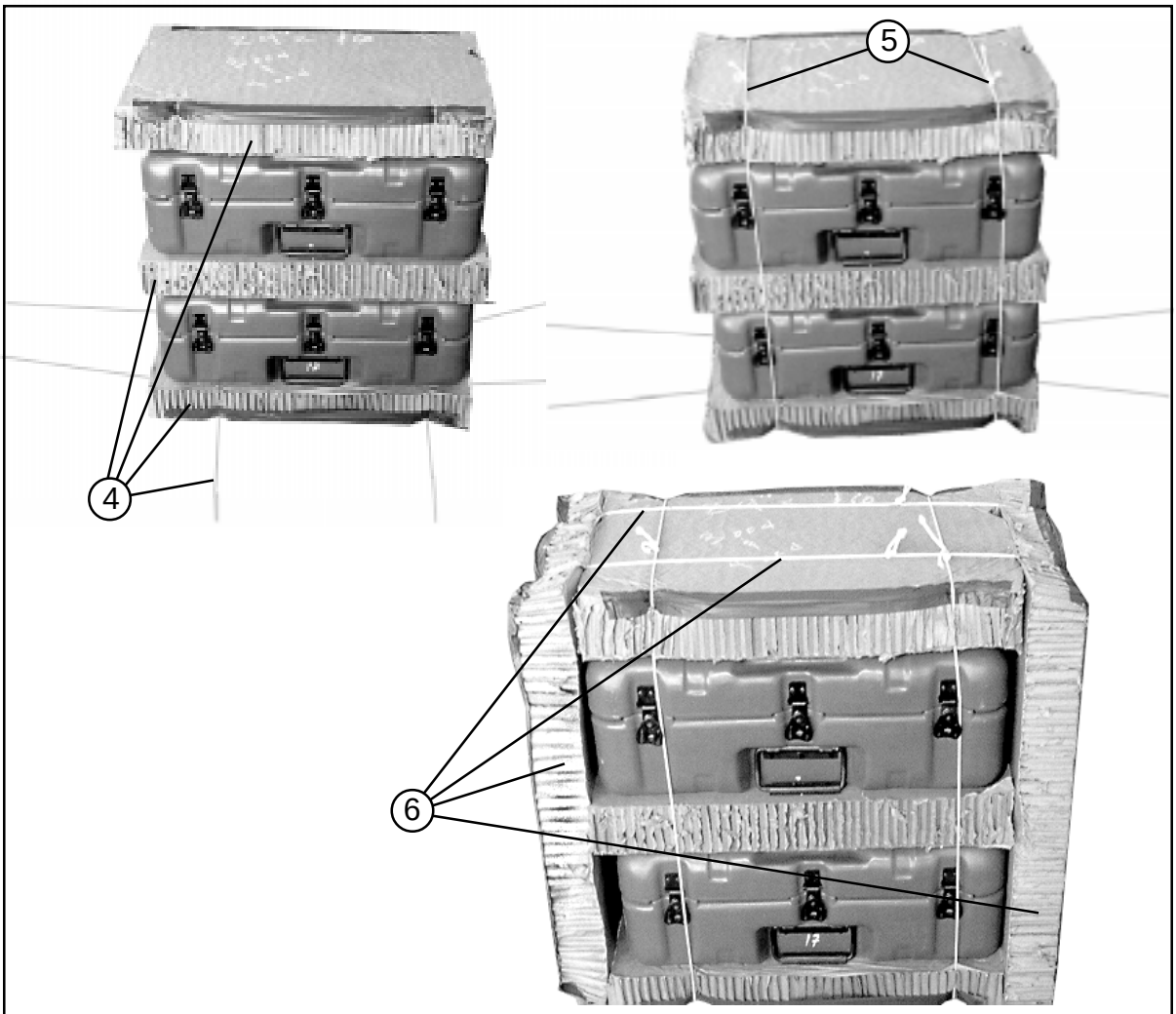
Case 2 Theodolite

Case 3 Charger

Case 4 Winterization Kit

(3) With the assistance of the unit owning the equipment, be sure the individual components are complete and cushioned in their cases.

Figure 5-12. GLPS Rigged in M1056 Truck (continued)

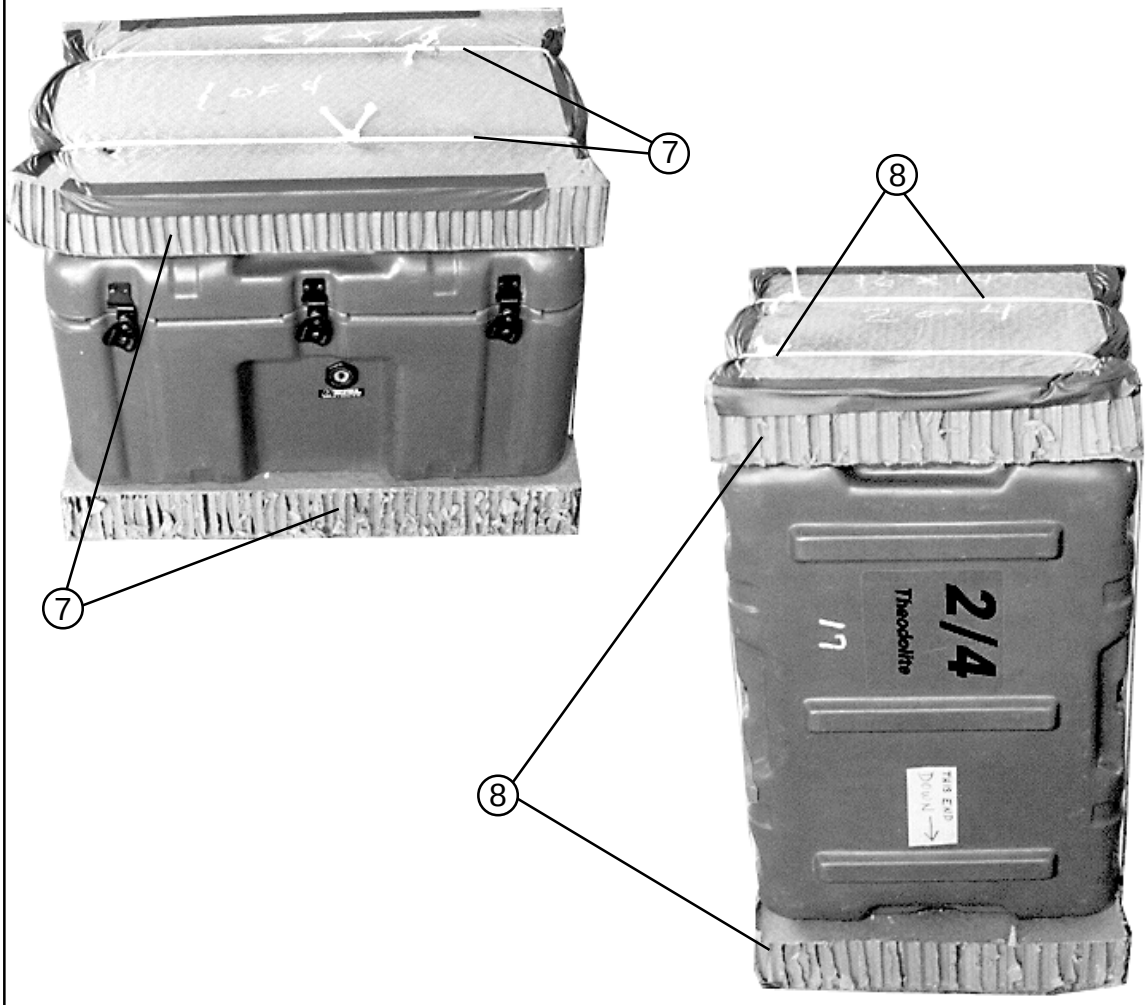


(4) Alternate three 24- by 16-inch pieces of honeycomb with cases 3 and 4 as shown. Tape the outside long edges of the honeycomb. Place type III nylon cord of sufficient length for ties under the stack.

(5) Secure the front-to-rear ties around the cases and honeycomb.

(6) Place a 26- by 16-inch piece of honeycomb against each side of the stack. Tape the outside top and bottom edges of the honeycomb. Secure the honeycomb to the sides of the cases with the remaining lengths of type III nylon cord.

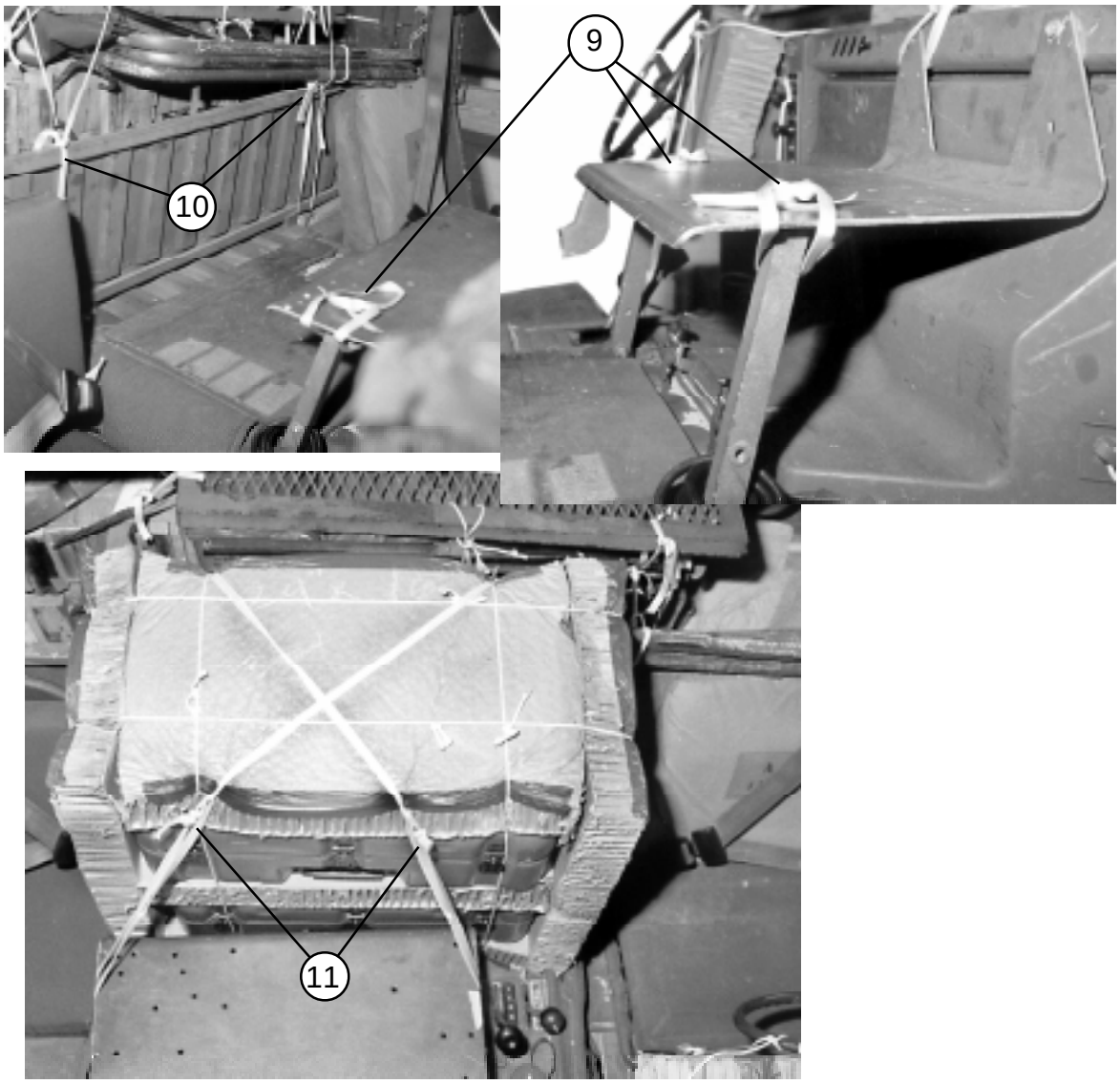
Figure 5-12. GLPS Rigged in M1056 Truck (continued)



(7) Place a 26- by 16-inch piece of honeycomb over two lengths of type III nylon cord placed lengthwise. Place case 1 and an additional 26- by 16-inch piece of honeycomb on top of the bottom piece. Tape the outside edges of the honeycomb and tie the type III nylon cord over the package.

(8) Place case 2 on end as shown and leave it in this position. Place a 16- by 14-inch piece of honeycomb over two lengths of type III nylon cord placed lengthwise. Place case 2 and an additional 16- by 14-inch piece of honeycomb on top of the bottom piece. Tape the outside edges of the honeycomb and tie the type III nylon cord over the package.

Figure 5-12. GLPS Rigged in M1056 Truck (continued)

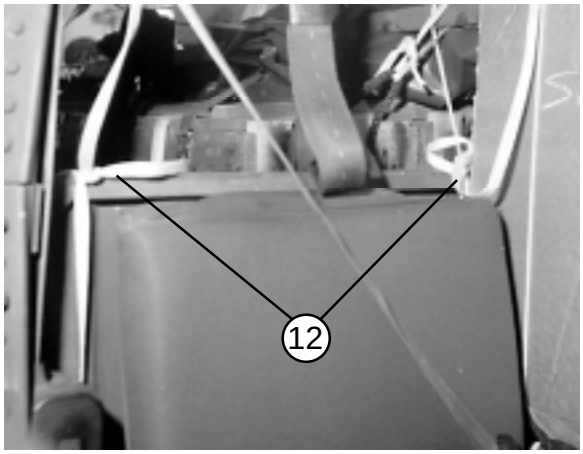


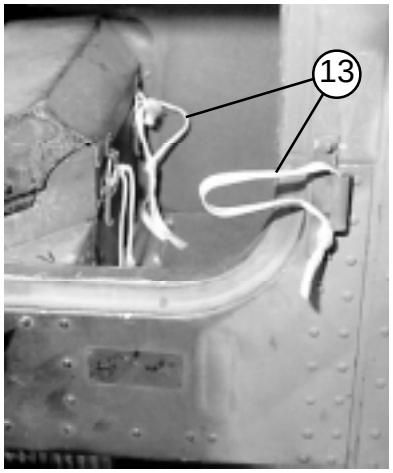
(9) Tie two loops of 14-inch lengths of 1/2-inch tubular nylon webbing to the radio mount supports.

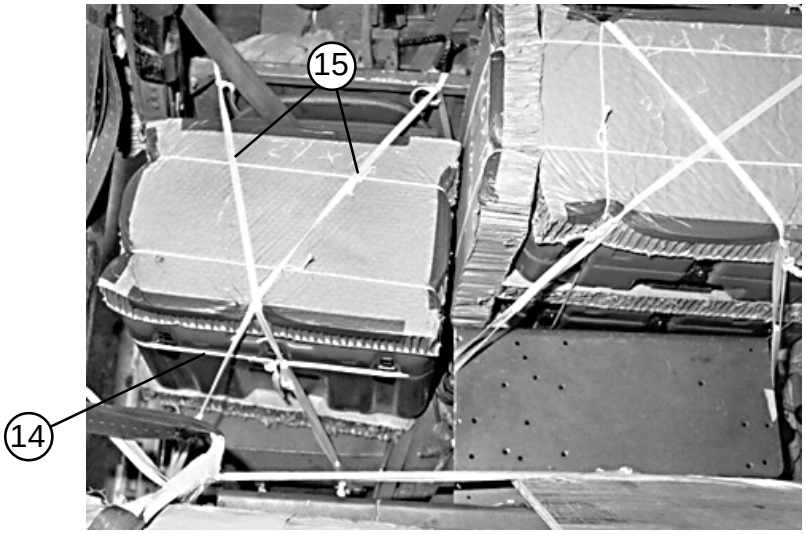
(10) Tie a 10-foot length of 1/2-inch tubular nylon webbing to each of the tie provisions on the front edge of the cargo bed.

(11) Place cases 3 and 4 to the rear of the radio mount. Tie the 1/2-inch tubular nylon webbing placed in step 10 above to the loops placed in step 9 above, crossing over the boxes as shown. Tie off with a trucker's hitch.

Figure 5-12. GLPS Rigged in M1056 Truck (continued)







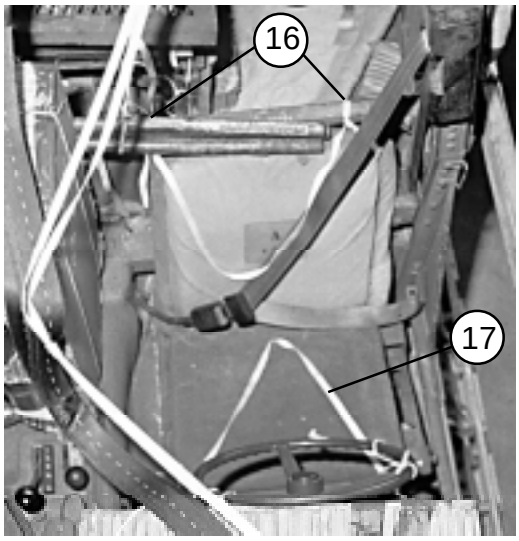
(12) Tie two 10-foot lengths of 1/2-inch tubular nylon webbing to points behind the passenger seat.

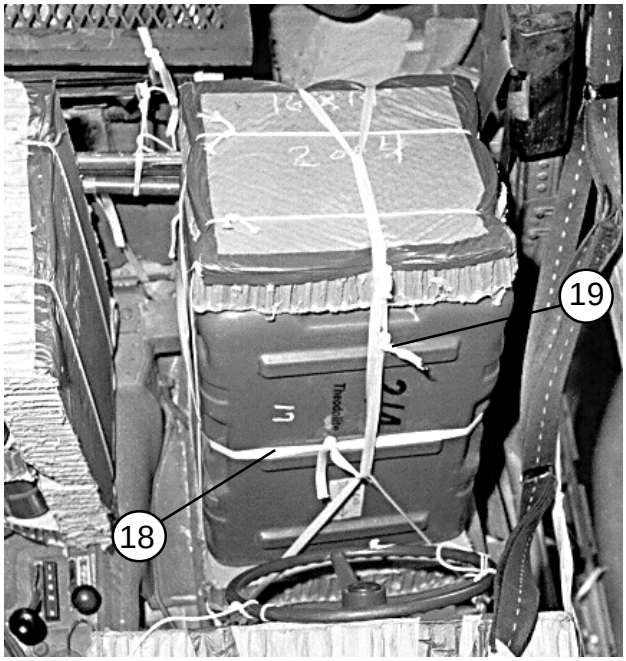
(13) Form a 14-inch loop of 1/2-inch tubular nylon webbing through the lower passenger side door hinge. Form a second 14-inch loop of 1/2-inch tubular nylon webbing through the inside passenger seat hinge.

(14) Place case 1 in the passenger seat, and tie the case to the seat back with a length of 1/2-inch tubular nylon webbing.

(15) Tie the 1/2-inch tubular nylon webbing placed in step 12 above to the loops placed in step 13 above, crossing over the boxes as shown. Tie off with a trucker's hitch.

Figure 5-12. GLPS Rigged in M1056 Truck (continued)





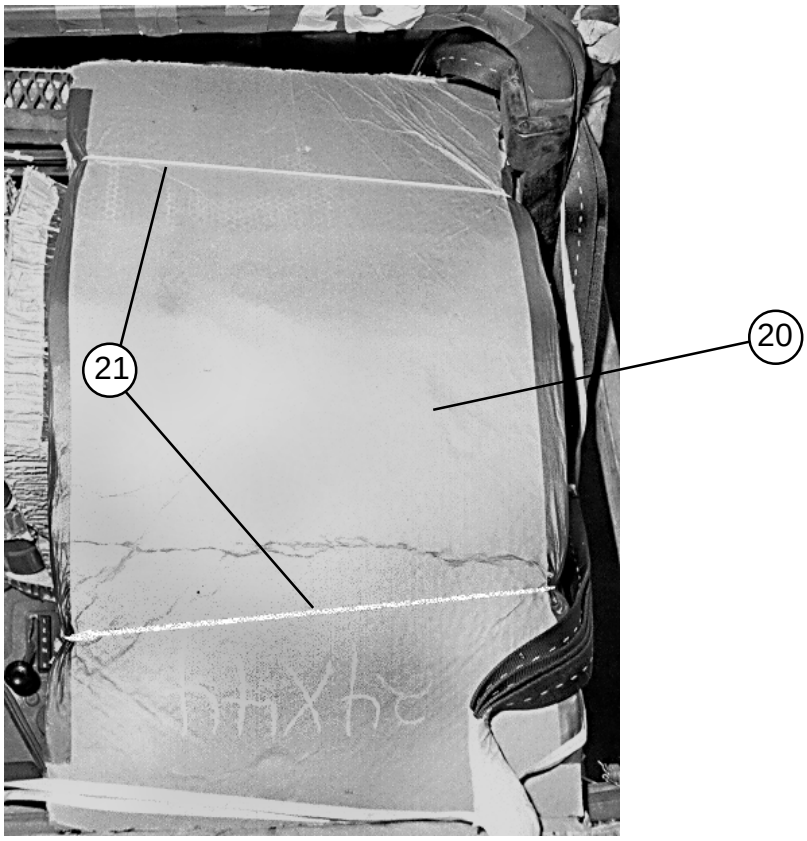
(16) Tie a length of 1/2-inch tubular nylon webbing to the front cargo bed wall behind the driver's seat in two places, forming a loop as shown.

(17) Tie a length of 1/2-inch tubular nylon webbing to the front of the seat frame, forming a loop as shown.

(18) Place case 2 arrow side down in the driver's seat. Place the loops made in steps 16 and 17 above to the outside of the case. Tie case 2 to the driver's seat back with a length of 1/2-inch tubular nylon webbing.

(19) Run a length of 1/2-inch tubular nylon webbing though both of the loops made in steps 16 and 17 above. Draw the loops taut and tie the webbing using a trucker's hitch.

Figure 5-12. GLPS Rigged in M1056 Truck (continued)



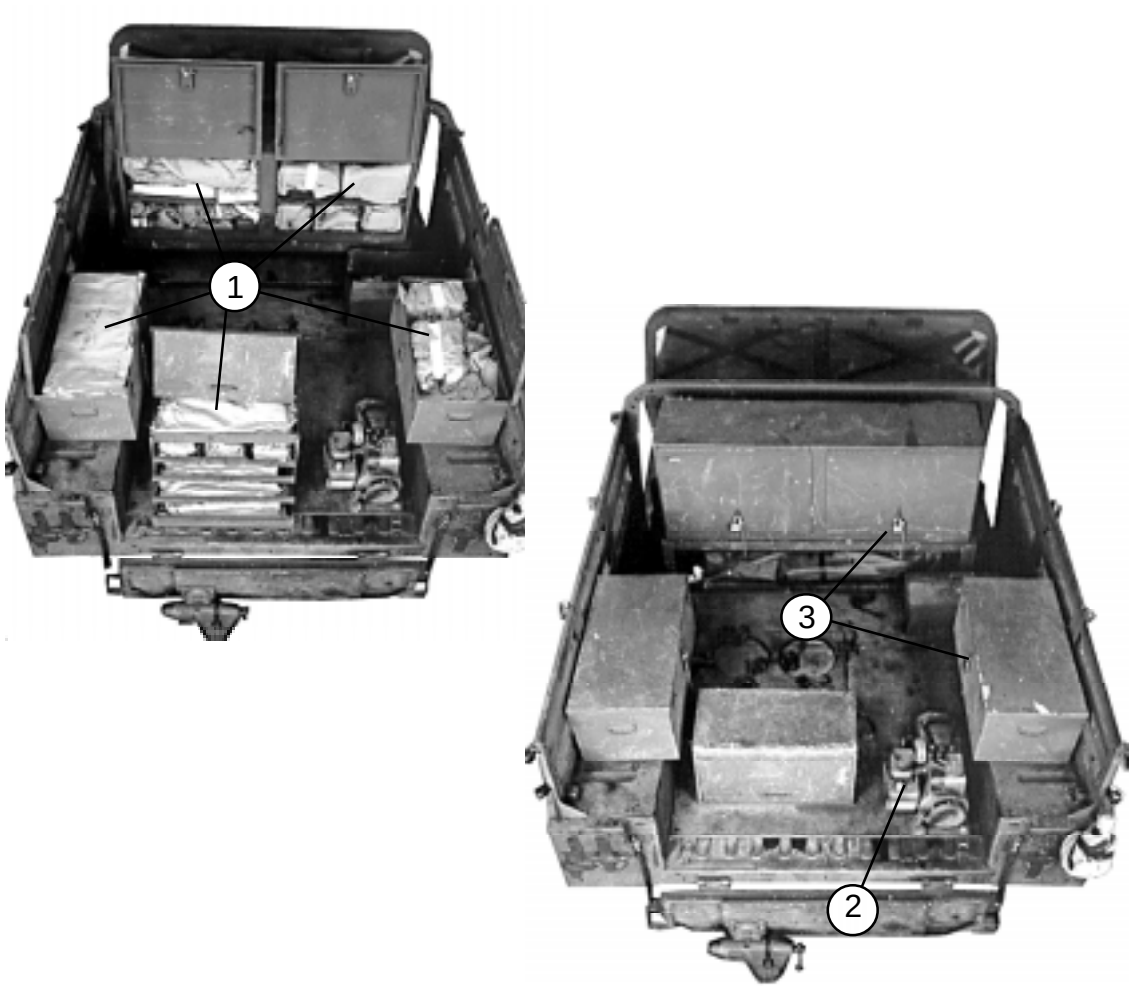
(20) Bend a 44- by 24-inch piece of honeycomb over the steering wheel and case 2. Tape the outside edges of the honeycomb.

(21) Tie the honeycomb to convenient points in the truck with type III nylon cord.

Figure 5-12. GLPS Rigged in M1056 Truck (continued)

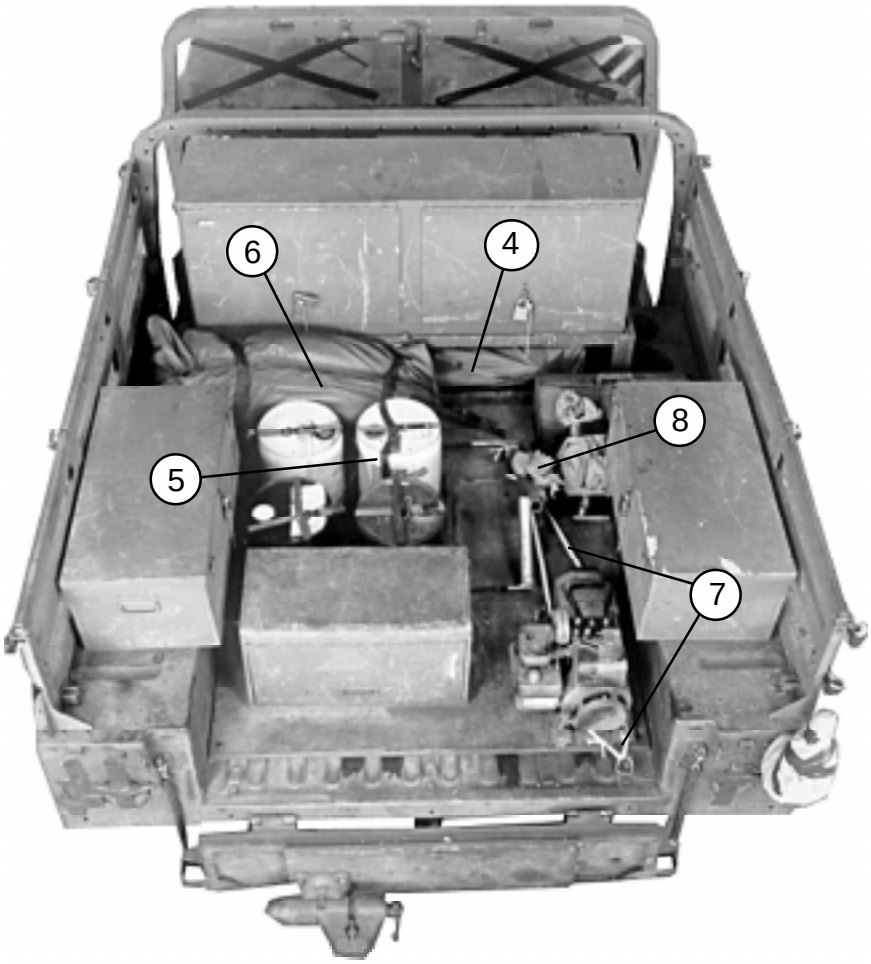
RIGGING MECHANIC SHOP KIT IN M998 TRUCK

5-13. Use the procedures shown in Figure 5-13 to rig the Mechanic Shop Kit in a cargo/troop carrier-configured truck. The load shown weighs 980 pounds.



1. Pad loose tools, parts, and small items of equipment, and stow them in the permanently mounted toolboxes.
2. Drain all fuel from the generator. Be sure the generator is mounted securely to the load bed.
3. Close and lock all drawers and doors.

Figure 5-13. Mechanic Shop Kit Rigged in M998 Truck



4. Lay the sledgehammer and pry bars under the front cabinet. Cover them with the truck tarp and the camouflage net pole bag. Secure them with the straps provided.

5. Place the four oilcans in the bed cutouts, and secure them with the straps provided.

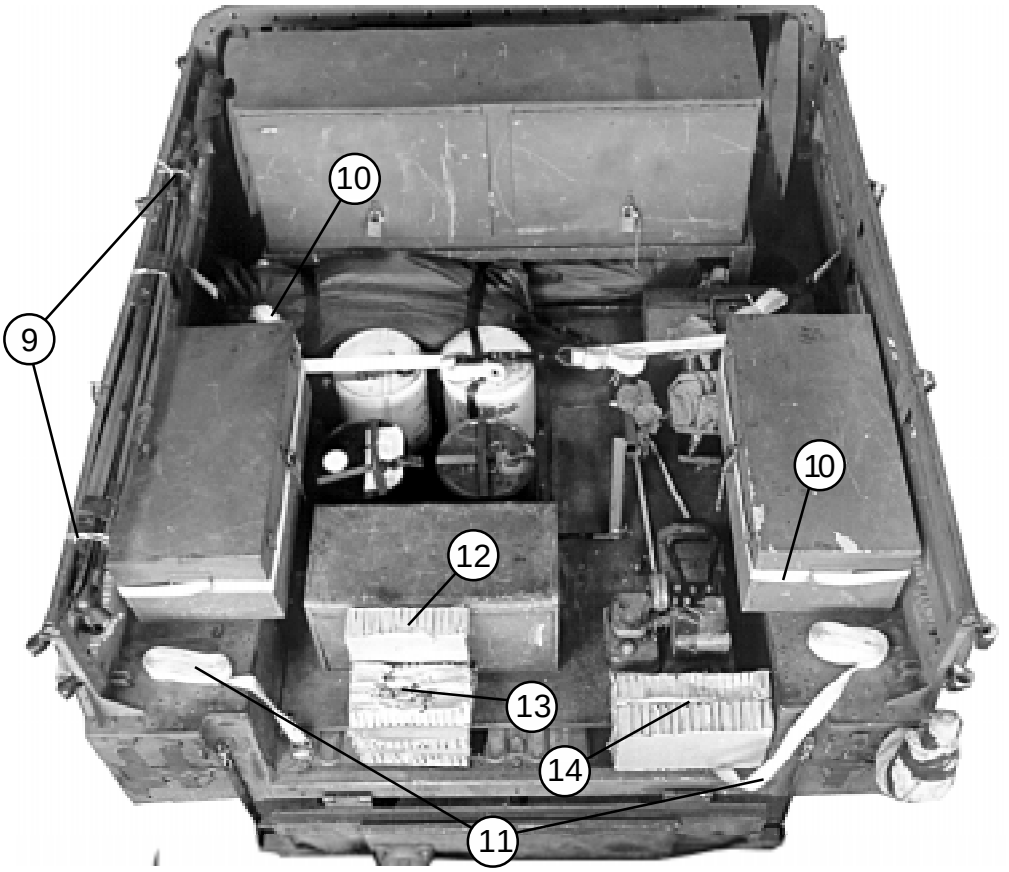
6. Place the camouflage net bag between the front cabinet and the oilcans. Secure the bag with the straps provided.

7. Tie the generator frame to the closest tie-down rings with 1/2-inch tubular nylon webbing.

8. Tie the engine lifting sling to the front tie-down ring with type III nylon cord. Pad the sling with cellulose wadding where it touches the toolboxes.

Note: If acetylene tanks are included, secure them to the right of the cabinet with the tie-down straps provided.

Figure 5-13. Mechanic Shop Kit Rigged in M998 Truck (continued)



(9) Tape the antenna sections together. Tie them to the left side rail in three places with type III nylon cord.

(10) Pass a 15-foot lashing around each side toolbox and around the second and third vertical side rail supports. Secure each lashing with a D-ring and a load binder.

Note: The lashing shown running across the cargo body over the oilcans is used to secure the body side boards.

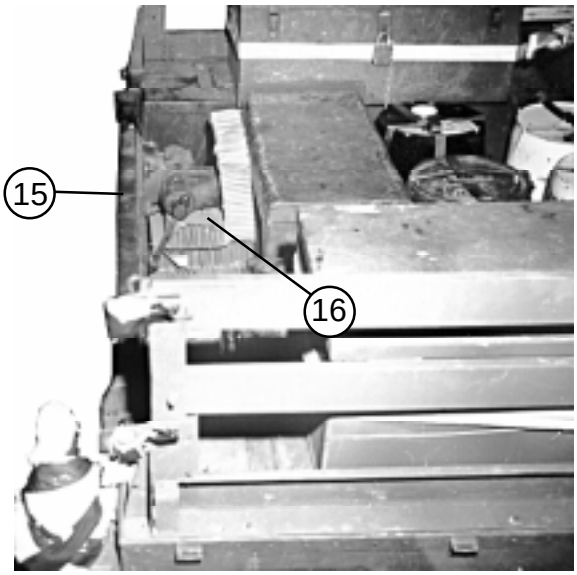
(11) Pass a 15-foot lashing through each rear tie-down ring and through its own D-ring.

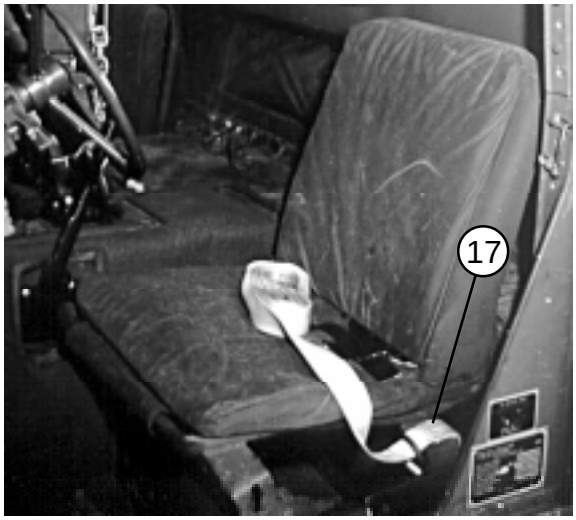
(12) Set a 10- by 12-inch piece of honeycomb on edge against the rear toolbox with a 12-inch side down.

(13) Center a 12- by 5-inch piece of honeycomb on top of two 12- by 10-inch pieces. Set the stack against the honeycomb placed in step 12 above.

(14) Set two 14- by 11-inch pieces of honeycomb on edge against the generator with the 14-inch sides down.

Figure 5-13. Mechanic Shop Kit Rigged in M998 Truck (continued)





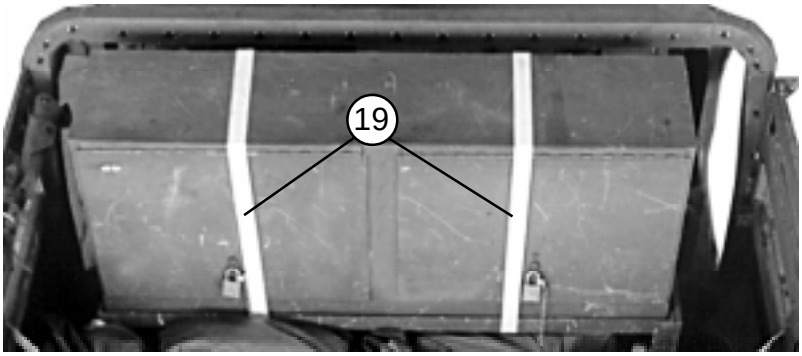
(15) Close the tailgate.

(16) Allow the vise to crush the honeycomb placed in steps 12 and 13. Be sure the honeycomb fully supports the vise.

(17) Run a 15-foot lashing around the driver's seat support and through its own D-ring.

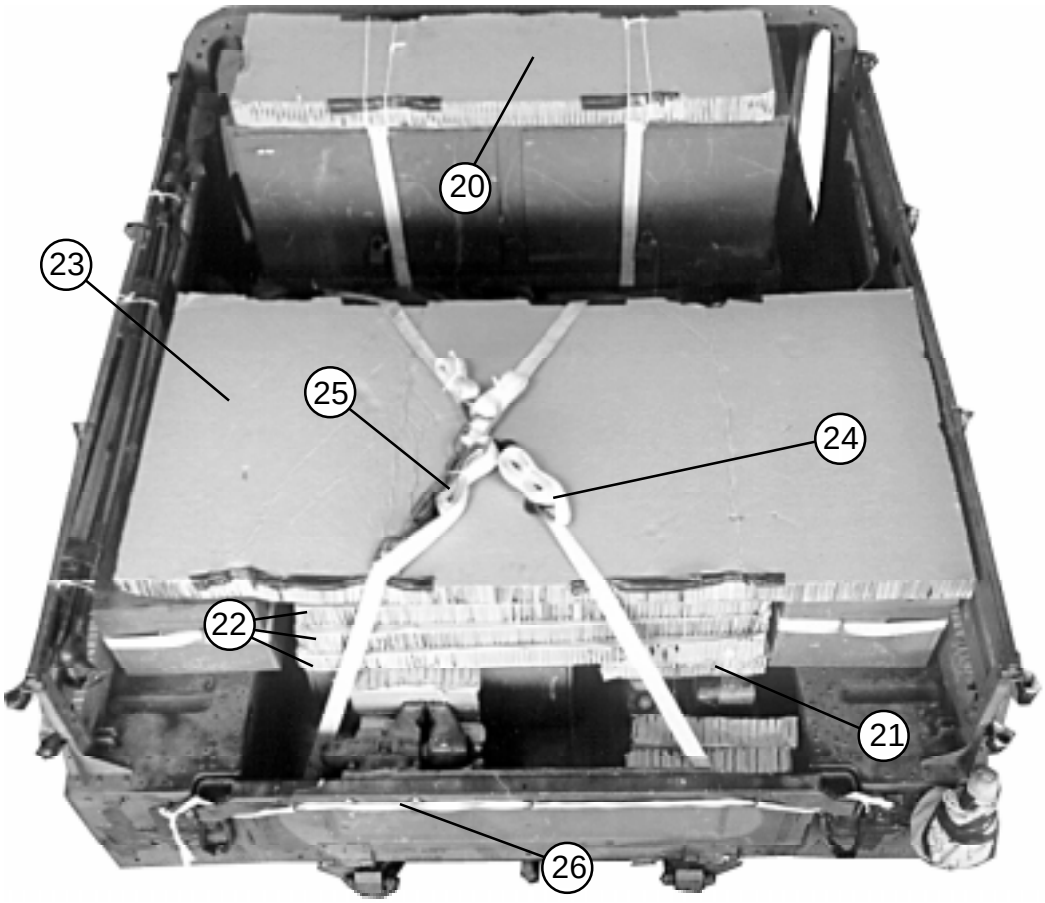
(18) Run a 15-foot lashing through the opening behind the front passenger seat and up though the hole behind the B-pillar. Pass the lashing through its own D-ring.

Figure 5-13. Mechanic Shop Kit Rigged in M998 Truck (continued)



(19) Pass a 15-foot lashing through each tie-down ring behind the seats. Bring each lashing over the top of the tool cabinet, over the doors, and under the cabinet. Fasten each lashing with a D-ring and a load binder behind the cabinet.

Figure 5-13. Mechanic Shop Kit Rigged in M998 Truck (continued)



(20) Place a 60- by 15 1/2-inch piece of honeycomb over the top of the tool cabinet. Tape the front and rear edges of the honeycomb. Tie the honeycomb to the lashing below it with type III nylon cord.

(21) Place a 16- by 22-inch piece of honeycomb over the generator.

(22) Place three 46 1/2- by 36-inch pieces of honeycomb between the two side toolboxes.

(23) Place a 75 1/2- by 36-inch piece of honeycomb over the toolboxes and the honeycomb placed in step 22 above. Tape the front and rear edges of the honeycomb.

(24) Secure the lashing placed in step 17 and the right rear lashing together with two D-rings and a load binder.

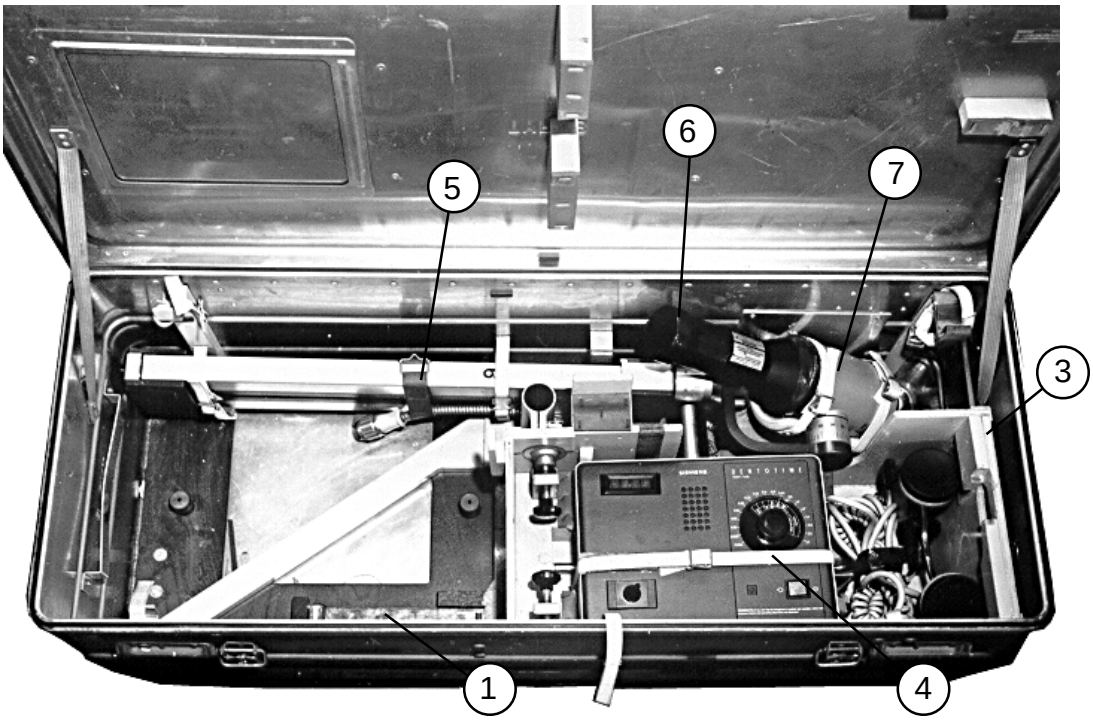
(25) Secure the lashing placed in step 18 and the left rear lashing together with two D-rings and a load binder.

(26) Secure the tailgate closed with 1/2-inch tubular nylon webbing.

Figure 5-13. Mechanic Shop Kit Rigged in M998 Truck (continued)

RIGGING DENTAL OPERATIVE FIELD SET IN M998 TRUCK

5-14. Use the procedures shown in Figure 5-14 to rig the dental operative field set in a cargo/troop carrier-configured truck. The dental operative field set consists of an X-ray unit, ultrasonic scaler, air compressor, light set, dental equipment cart, and dental chair. Each component fits into its own case. The load shown weighs 834 pounds.



1. Place the seat support rod in its bracket.
2. Cover the right half of the bottom of the box with cellulose wadding (not shown).
3. Place the wooden insert in the right side of the box. Secure the headrest and foot support in the insert with the fitting provided. Tighten the fitting with light pressure only.
4. Secure the timer unit with the strap provided.
5. Secure the scissor arm of the X-ray unit with the strap provided.
6. Tape the cap on the end of the X-ray unit.
7. Place the X-ray unit in the box as shown, and secure it with the straps provided.

Figure 5-14. Dental Operative Field Set Rigged in M998 Truck