

**CHAPTER 8**  
**RIGGING M792, 1 1/4-TON AMBULANCE TRUCK**  
**ON THE TYPE V PLATFORM**

**Section I**  
**RIGGING AMBULANCE TRUCK FOR LOW-VELOCITY AIRDROP**

**8-1. Description of Load**

The M792, 1 1/4-ton ambulance truck (line number X38961) is rigged on a 20-foot, type V airdrop platform with three G-11A or G-11B cargo parachutes. The ambulance truck is rigged in the same way as the cargo truck (paragraphs 7-1 through 7-17) except as indicated in this section.

**8-2. Preparing Platform**

Prepare a 20-foot, type V airdrop platform as explained in paragraph 7-2 and as shown in Figure 7-1.

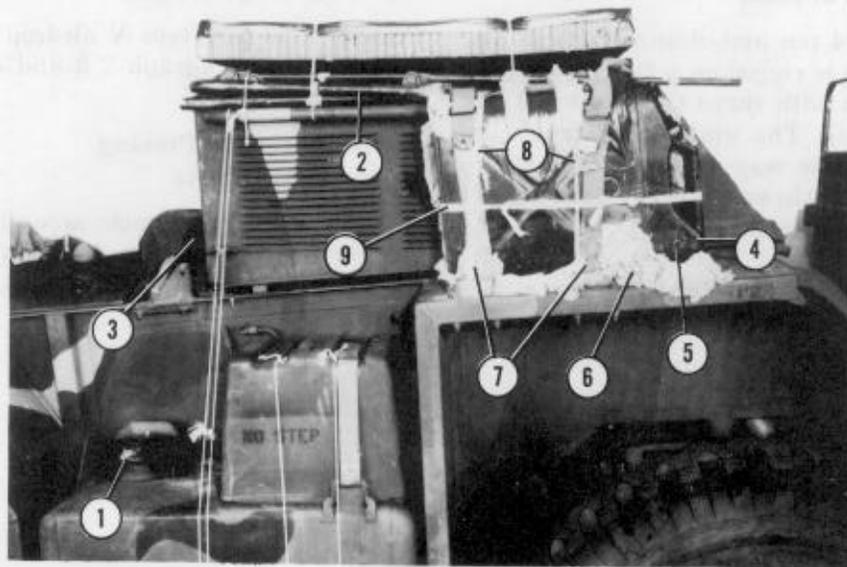
**8-3. Building and Placing  
Honeycomb Stacks**

Build the honeycomb stacks according to FM 10-500/TO 13C7-1-5 and as shown in Figure 7-2. Place the stacks on the platform as shown in Figure 7-3.

#### 8-4. Preparing Ambulance Truck

Prepare the ambulance truck as described below.

a. **Preparing Tractor.** Prepare the tractor portion of the ambulance truck as explained in paragraph 7-4. In addition, secure two fuel cans to the left fender and two water cans to the right fender as shown in Figure 8-1.



- ① Tape the gasoline filler cap.
- ② Fold the tractor canopy frame. Tie it over the engine cover with type III nylon cord.
- ③ Fold the tractor's canvas canopy, and place it behind the driver's seat. Secure it with 1/2-inch tubular nylon webbing. Move the driver's seat to its rearmost position.
- ④ Fill two fuel cans to within 1 inch of the filler holes.
- ⑤ Place the fuel cans on the left fender with the filler caps up and facing the rear.
- ⑥ Pad all areas of metal-to-metal contact on the fuel cans with cellulose wadding.
- ⑦ Secure the fuel cans with the straps provided.
- ⑧ Tie the fuel cans to the holder with two lengths of 1/2-inch tubular nylon webbing.
- ⑨ Tie a length of 1/2-inch tubular nylon webbing around the fuel cans horizontally.
- ⑩ Secure two cans of water to the right fender in the same way (not shown).

Figure 8-1. Tractor section prepared

**b. Preparing Carrier Body.** Prepare the carrier body as shown in Figure 7-5, except **DO NOT** tie the seat backs to the right side of the carrier body.

**c. Stowing Medical Equipment.** Stow the ambulance medical equipment as shown in Figure 8-2.



- ① Place the vehicle toolbox on the floor in the left front corner behind the heater duct.
- ② Place the small metal strap box in the forward area of the same corner.
- ③ Disassemble the heater stack and the heater vent grill. Wrap the bolts and screws with cellulose wadding. Place them on top of the strap box, and secure them with 1/2-inch tubular nylon webbing (not shown).
- ④ Place the two smaller plastic boxes on top of the vehicle equipment box. Secure them with the straps provided or with 1/2-inch tubular nylon webbing.
- ⑤ Lock the attendant seat in its raised position, and secure it with type III nylon cord.

*Figure 8-2. Medical equipment stowed*

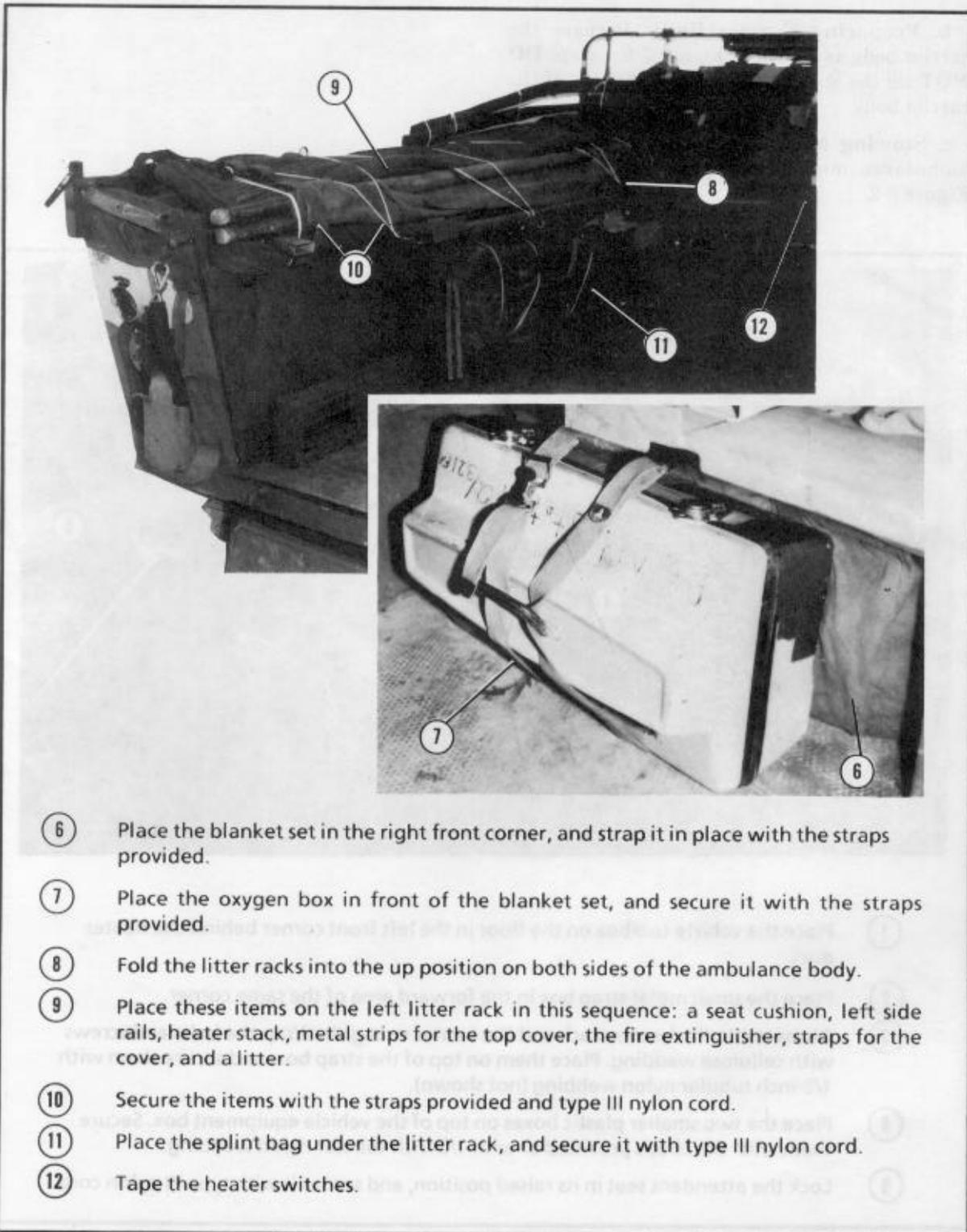
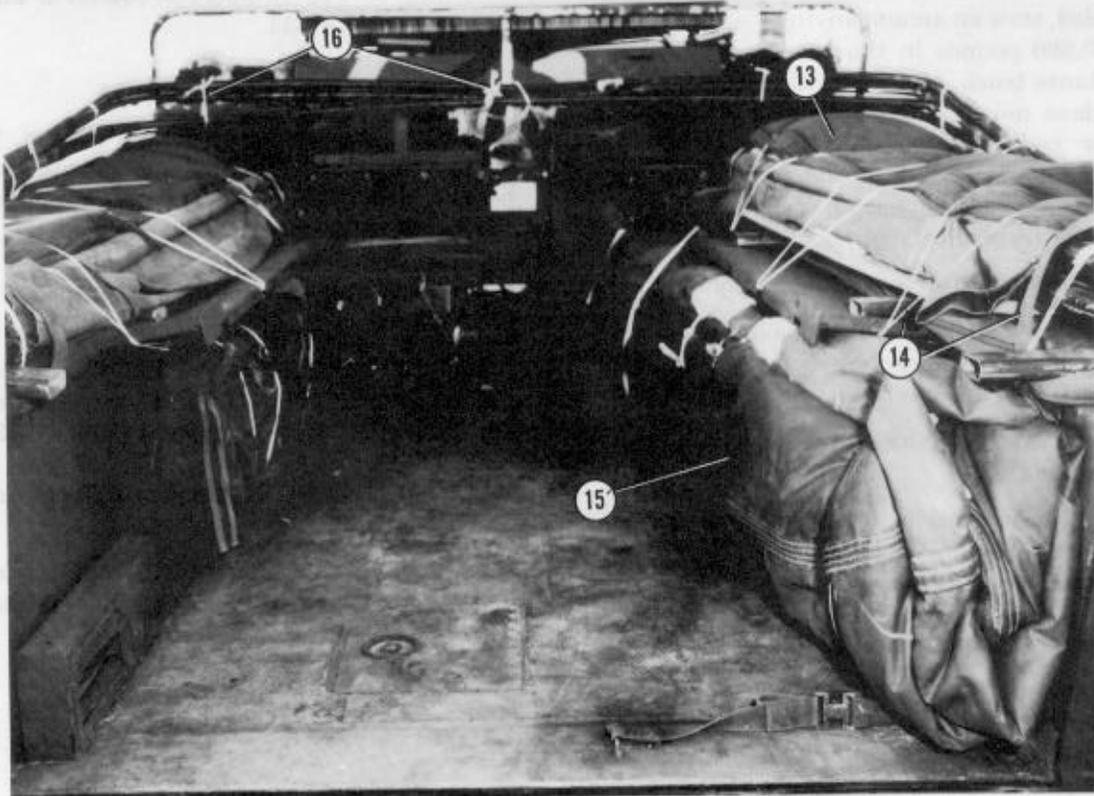


Figure 8-2. Medical equipment stowed (continued)



- ⑬ Place these items on the right seat in this sequence: a seat cushion, right side rails, short and long backboards, two litters, and the surgical lamp and its supports. Cover these items with a seat cushion.
- ⑭ Secure the items with the straps provided and type III nylon cord.
- ⑮ Roll the canvas canopy cover, and tie it with type III nylon cord. Stow it under the right litter rack, and secure it with 1/2-inch tubular nylon webbing.
- ⑯ Tie the canopy bows together with type III nylon cord. Secure them to the front of the ambulance carrier body with 1/2-inch tubular nylon webbing.

*Figure 8-2. Medical equipment stowed (continued)*

**8-5. Stowing Accompanying Load**

**CAUTION**

**Only ammunition listed in FM 10-553/TO 13C7-18-41 may be airdropped as part of this load.**

If needed, stow an accompanying load of no more than 2,500 pounds in the carrier body of the ambulance truck. Make sure the accompanying load does not extend above the sides of the carrier body and meets the restrictions in FM 10-500/TO 13C7-1-5. The ambulance truck shown in this section has no accompanying load except for its medical equipment.

**8-6. Installing Interbody Truss Assembly**

Install the interbody truss assembly between the tractor and the carrier according to TM 9-2320-242-10-1 and as shown in Figure 7-7.

**8-7. Installing Suspension Slings and Deadman's Tie**

Install the suspension slings and the deadman's tie according to FM 10-500/TO 13C7-1-5 and as shown in Figure 7-8.

**8-8. Positioning Ambulance Truck**

Position the ambulance truck on the platform as shown in Figure 7-9.

**8-9. Installing Drive-Off Aids**

Install the drive-off aids as shown in Figure 7-10.

**8-10. Lashing Ambulance Truck**

Lash the ambulance truck to the platform according to FM 10-500/TO 13C7-1-5 and as shown in Figure 7-11.

**8-11. Stowing Cargo Parachutes**

Install the parachute stowage platform. Stow three G-11A or G-11B cargo parachutes as explained in paragraph 7-11 and as shown in Figures 7-12 and 7-29.

**8-12. Installing Extraction System**

Install the EFTC extraction system on this load. Install the components of the EFTC according to FM 10-500/TO 13C7-1-5 and as explained in paragraph 7-12 and as shown in Figure 7-13.

**8-13. Installing Provisions for Emergency Restraint**

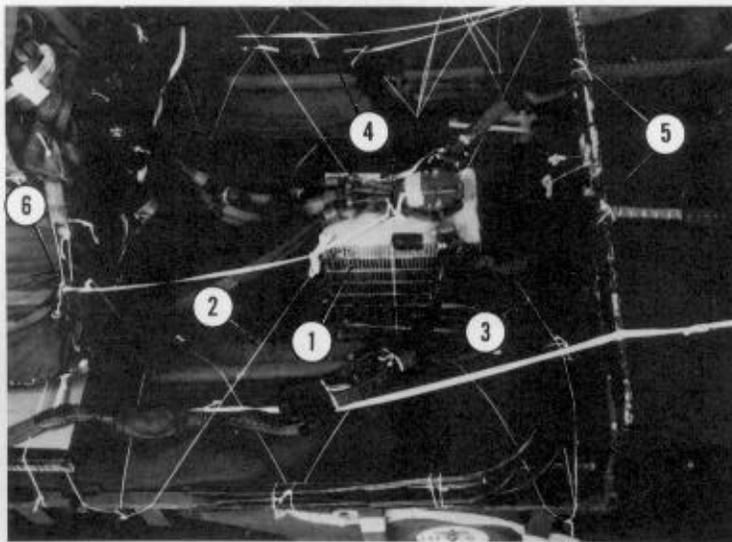
Install medium clevises to the multipurpose links as emergency restraint provisions as shown in Figure 7-14.

**8-14. Installing Release System**

Prepare and install the cargo parachute release platform and an M-1 cargo parachute release according to FM 10-500/TO 13C7-1-5 and as shown in Figure 8-3.

**8-15. Placing Extraction Parachute**

Place the extraction parachute as explained in paragraph 7-15.



- ① Center a stack of ten 12- by 20-inch pieces of honeycomb in the carrier body. Tie it in place with type III nylon cord.
- ② Center the M-1 release on the honeycomb. Run a length of type III nylon cord through the parachute connectors. Tie the ends of the cord to the third tarpaulin hook from the front end of the carrier on each side.
- ③ Run a second length of type III nylon cord around the lower spacer. Tie the ends of the cord to the front outside tarpaulin hooks.
- ④ Fold the slack in the rear suspension slings, and tie the folds with 80-pound cotton webbing.
- ⑤ Tie the front suspension slings to the carrier body guardrail with 80-pound cotton webbing.
- ⑥ Tie the free end of the arming wire lanyard to the right front carrying handle of the top parachute

*Figure 8-3. Cargo parachute release installed*

**8-16. Marking Rigged Load**

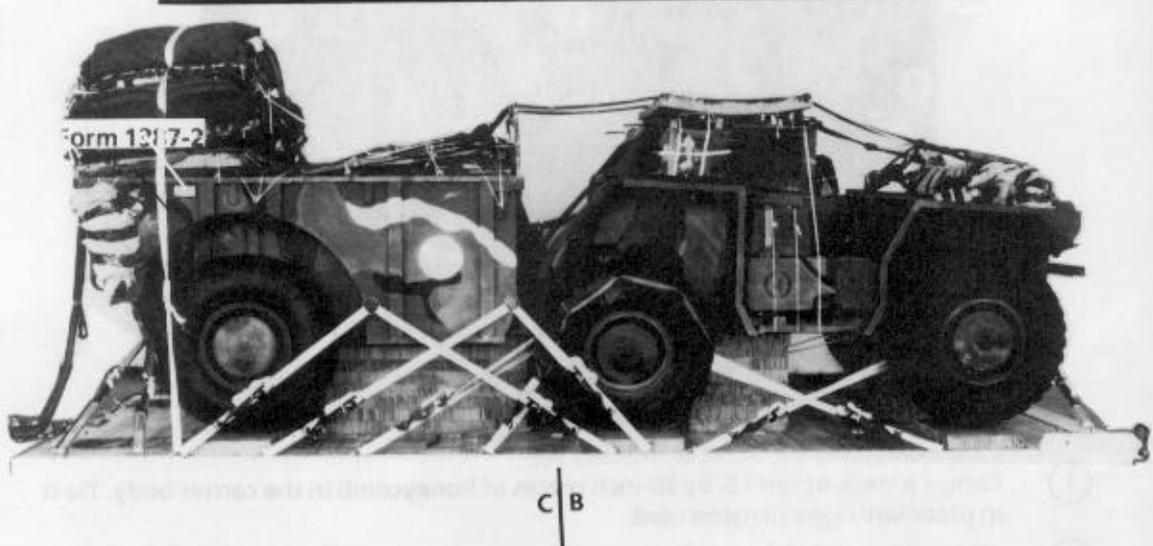
Mark the rigged load according to FM 10-500/TO 13C7-1-5 and as shown in Figure 8-4. Complete DD Form 1387-2, and securely attach it to the load. Indicate on the form that the vehicle fuel tank and the batteries have been prepared according to AFR 71-4/TM 38-250.

**8-17. Equipment Required**

Use the equipment listed in Table 7-1 to rig this load.

**CAUTION**

Make the final rigger inspection required by FM 10-500/TO 13C7-1-5 before the load leaves the rigging site.



CB

RIGGED LOAD DATA		
Weight: As shown .....		11,263 pounds
Maximum allowed .....		11,800 pounds
Height .....		96 inches
Width .....		108 inches
Length .....		263 1/2 inches
Overhang: Front .....		4 1/2 inches
Rear .....		19 inches
CB (from front edge of platform) .....		120 inches

**NOTE:** If an accompanying load is rigged as part of this load, the weight, number of parachutes, and CB must be recomputed.

Figure 8-4. Ambulance truck rigged on type V platform for low-velocity airdrop

## Glossary

ACB	attitude control bar
AD	airdrop
AFR	Air Force regulation
AFTO	Air Force technical order
cap	capacity
CB	center of balance
d	penny
DA	Department of the Army
diam	diameter
DZ	drop zone
FM	field manual
ft	foot/feet
gal	gallon
in	inch
LAPE	low-altitude parachute-extraction
LAPES	low-altitude parachute-extraction system
lb	pound
LV	low velocity
no	number
NSN	national stock number
PEFTC	extraction force transfer coupling (platform)
SL/CS	static line/connector strap
TM	technical manual
TO	technical order
US	United States
w	with
yd	yard

## REFERENCES

AFR 71-4/TM 38-250	Packaging and Materials Handling: Preparing Hazardous Materials for Military Air Shipments
FM 10-500/TO 13C7-1-5	Airdrop of Supplies and Equipment: Rigging Airdrop Platforms
FM 10-553/TO 13C7-18-41	Airdrop of Supplies and Equipment: Rigging Ammunition
TM 9-2320-242-10-1	Operation, Installation and Reference Data Operator Level for Truck, Cargo: 1 1/4-Ton, 6x6, M561(NSN 2320-00-873-5407) and Truck, Ambulance: 1 1/4-Ton, 6x6, M792(2310-00-832-9907)
TM 9-2320-246-10	Operator's Manual for Truck, Platform, Utility: 2 1/2-Ton, 4x4, M274A2, M274A3, and M274A5
TM 10-1670-208-20&P/TO 13C3-4-12	Organizational Maintenance Manual Including Repair Parts and Special Tools List for Platforms, Type II Modular and LAPES/Airdrop Modular
TM 10-1670-268-20&P/TO 13C7-52-22	Organizational Maintenance Manual with Repair Parts and Special Tools List: Type V Airdrop Platform
AFTO Form 22	Technical Order Publication Improvement Report
DA Form 2028	Recommended Changes to Publications and Blank Forms
DD Form 1387-2	Special Handling Data/Certification

**FM 10-508/TO 13C7-2-491**

**16 AUGUST 1985**

By Order of the Secretaries of the Army and the Air Force:

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