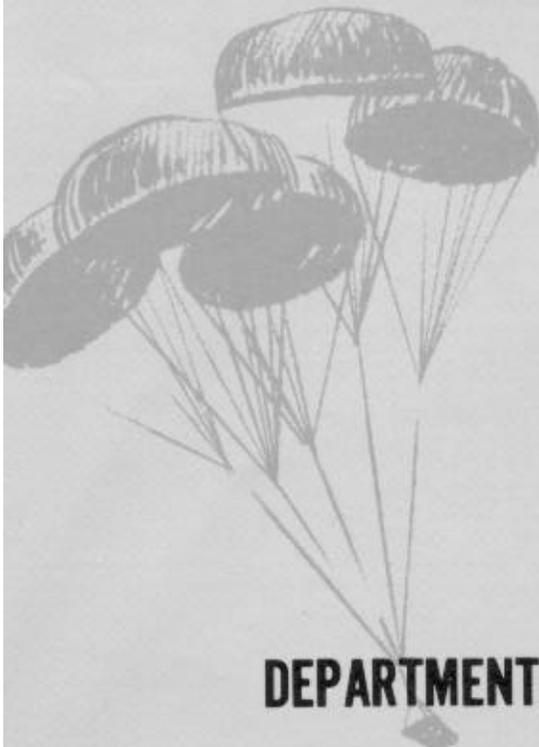
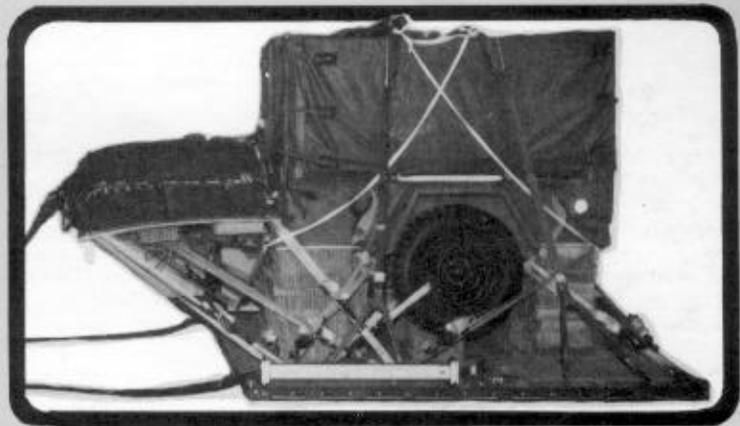


**ARMY FM 10-518**  
**AIR FORCE TO 13C7-3-371**



**AIRDROP OF SUPPLIES AND EQUIPMENT**  
**RIGGING**  
**1/4-TON CARGO TRAILERS**



**DEPARTMENTS OF THE ARMY AND THE AIR FORCE**

## AIRDROP OF SUPPLIES AND EQUIPMENT

### RIGGING 1/4-TON CARGO TRAILERS

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*\*This manual supersedes FM 10-518/TO 13C7-3-371, 30 June 1977.*

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## CHAPTER 1

### INTRODUCTION

#### 1-1. Scope

This manual specifies and illustrates the airdrop equipment and procedures necessary to prepare and rig 1/4-ton cargo trailers for airdrop from C-130 or C-141 aircraft.

#### 1-2. Special Considerations

a. This load may include dangerous materials such as explosives or gasoline. Dangerous materials must be packaged, marked, and labeled in compliance with AFM 71-4/TM 38-250.

b. An additional layer of honeycomb is required on all loads dropped on drop zones with ground elevations between 6,000 and 10,000 feet.

c. A copy of this manual should accompany the rigged load to the aircraft.

#### 1-3. Recommended Changes

You are encouraged to report any errors or omissions and suggest ways for making this a better manual. Army personnel, send your comments on DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to:

Commandant  
US Army Quartermaster School  
ATTN: ATSM-TDT  
Fort Lee, Virginia 23801

Air Force personnel, send your reports to AFTO Form 22 (Technical Order Publication Improvement Report). Send the reports through:

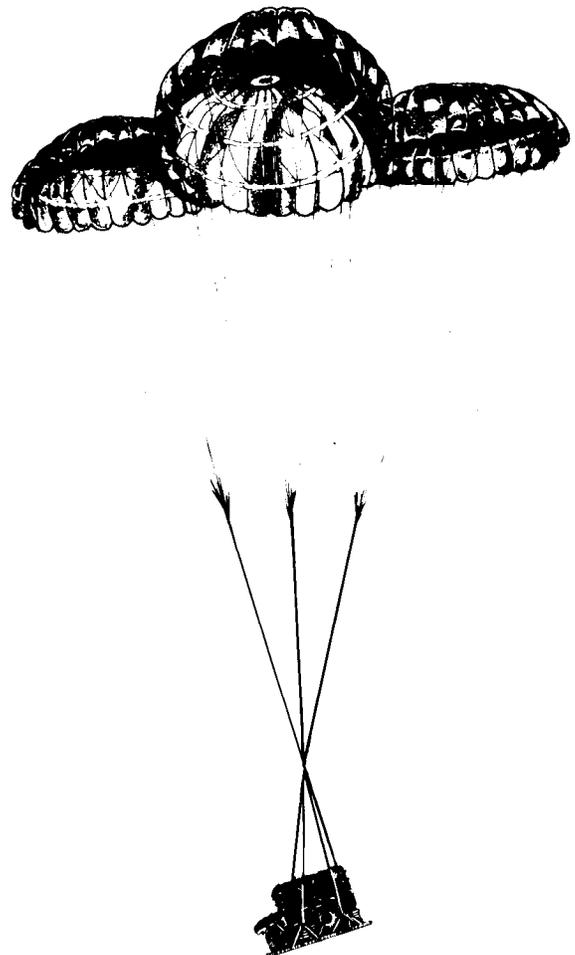
Headquarters  
Military Airlift Command (MAC/DOTX)  
Scott AFB, Illinois 62225

to:

Commandant  
US Army Quartermaster School  
ATTN: ATSM/TDT  
Fort Lee, Virginia 23801

Also send info copies of AFTO Form 22 to:

San Antonio ALC/MMEDTR  
Kelly AFB, Texas 78241



## CHAPTER 2

### RIGGING TRAILER

#### 2-1. Description of Load

The M416, 1/4-ton cargo trailer and accompanying load are rigged on an 8-foot modular platform with one G-11A or one G-11B cargo parachute. The M416 trailer, illustrated in this manual, weighs 570 pounds. It is 109 inches long, 61 inches wide, and 44 inches high. When an M100 trailer is to be dropped, rigging procedures are the same as stated herein. The M100 trailer weighs 570 pounds. It is 109 inches long, 56 inches wide, and 42 inches high.

#### 2-2. Preparing Platform and Installing Suspension Slings

Prepare an 8-foot modular platform (fig 2-1) as follows:

*a. Inspecting Platform.* Inspect, or assemble and inspect, the modular platform according to the procedures outlined in TM 10-1670-208-20&P/TO 13C3-4-12.

*b. Installing Suspension Slings.* Form suspension slings with four 3-foot slings and four 8-foot slings (2-loop). Pass a 3-foot sling through the loop of an 8-foot sling. Place a tiedown clevis in each end of the 3-foot sling and attach the clevises to the platform. Repeat procedure for the remaining slings. Starting at the front of each rail, attach clevises to the 3d and 6th clevis holes for the front slings and to the 12th and 15th clevis holes for the rear slings. Tape the loop of one 8-foot sling to the center of 3-foot sling (fig 2-1).

*c. Attaching and Numbering Clevises.* Starting at the front of each rail, attach a load tiedown clevis to the 1st, 2d, 5th, 7th, 13th, 14th, and 16th clevis holes of each rail. Again starting at the front of platform, number the clevises attached to the right rail 1 through 11 and those attached to the left rail 1A through 11A.

*d. Positioning Load Spreader.* Position load spreader on the platform as shown in figure 2-1.

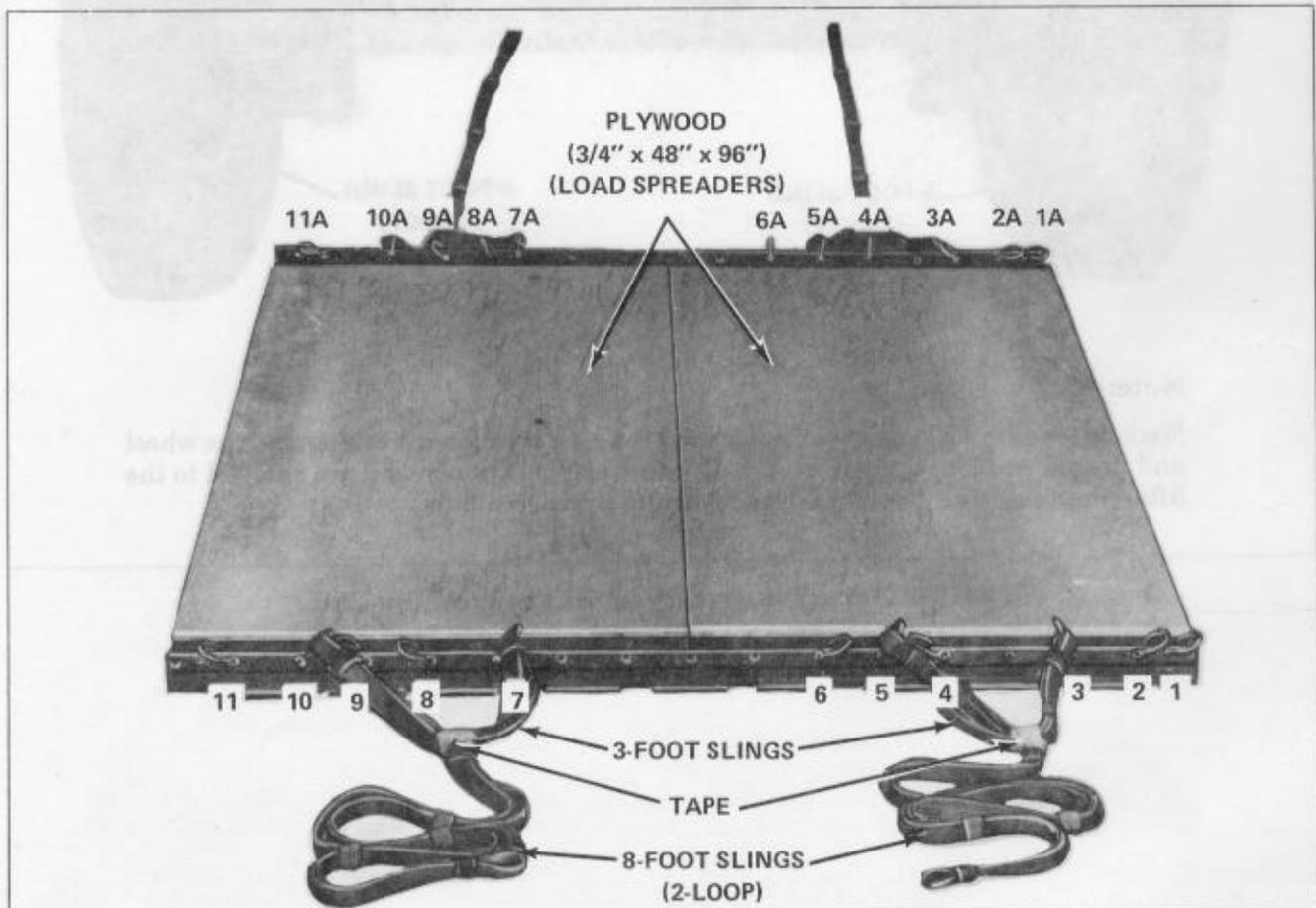


Figure 2-1. Platform prepared.