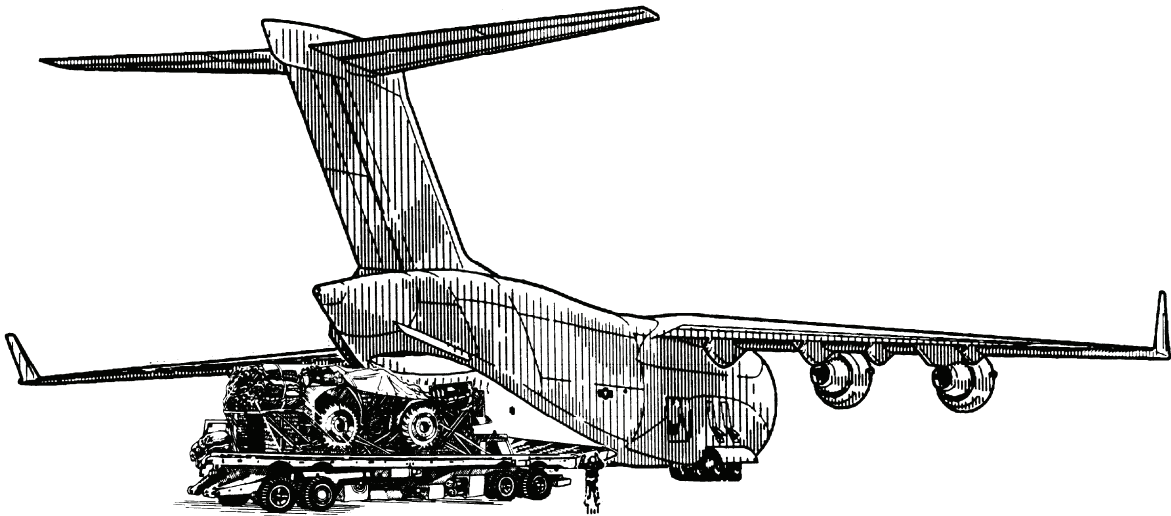


**FM 4-20.131 (FM 10-531)  
TO 13C7-54-1**

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**Airdrop of Supplies and Equipment:  
Rigging Forklift Trucks**

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**MAY 2006**

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No. 4-20.131 (10-531)  
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Headquarters  
Department of the Army  
Department of the Air Force  
Washington, DC, 11 May 2006

# **Airdrop of Supplies and Equipment: Rigging Forklift Trucks**

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# Preface

## SCOPE

This manual tells and shows how to prepare and rig the M4K, M-270 and M-271, 4,000-pound forklift trucks and the 6,000-pound forklift truck for low-velocity airdrop from a C-130 and C-17 aircraft. It is designed to be used by all parachute riggers.

## USER INFORMATION

The proponent of this publication is the United States Army Training and Doctrine Command (TRADOC). You are encouraged to report any errors or omissions and to suggest ways of making this a better manual.

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Unless this publication states otherwise, masculine nouns and pronouns do not refer exclusively to the male gender.

# **Introduction**

## **DESCRIPTION OF ITEMS**

This manual tells and shows how to rig the 4,000-pound and 6,000-pound capacity forklift trucks for low-velocity airdrop from C-130 and C-17 aircraft. This manual is designed for use by all parachute riggers.

## **SPECIAL CONSIDERATIONS**

These loads have dangerous material as defined by AFMAN 24-204(I)/TM 38-250. If included, the hazardous materials must be packaged, marked, and labeled as required by AFMAN 24-204(I)/TM 38-250. A copy of this manual must be available for the joint airdrop inspectors to use during the before and after load inspection.

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## Chapter 1

# Rigging the M4K, 4,000-Pound Capacity Forklift Truck on a Type V Platform

## DESCRIPTION OF LOAD

1-1. The 4,000-pound capacity forklift truck (Figure 1-1) is rigged on a 16-foot, type V platform for low-velocity airdrop. The forklift truck is rigged with three G-11 cargo parachutes. The unrigged vehicle weighs approximately 9,725 pounds, reducible to 9,320 pounds. Its length is 205 inches, reducible to 166 inches. Its height is 80 inches reducible to 77 inches. Its width is 79 inches.

## PREPARING PLATFORM

1-2. Prepare a 16-foot, type V platform using four tandem links and 20 clevis assemblies as described below and as shown in Figure 1-2.

- **Inspecting Platform.** Inspect, or assemble and inspect, the platform according to TM 10-1670-268-20&P/TO 13C7-52-22.
- **Installing Tandem Links.** Install tandem links as shown in Figure 1-2.
- **Attaching and Numbering Clevises.** Attach and number 20 clevis assemblies as shown in Figure 1-2.

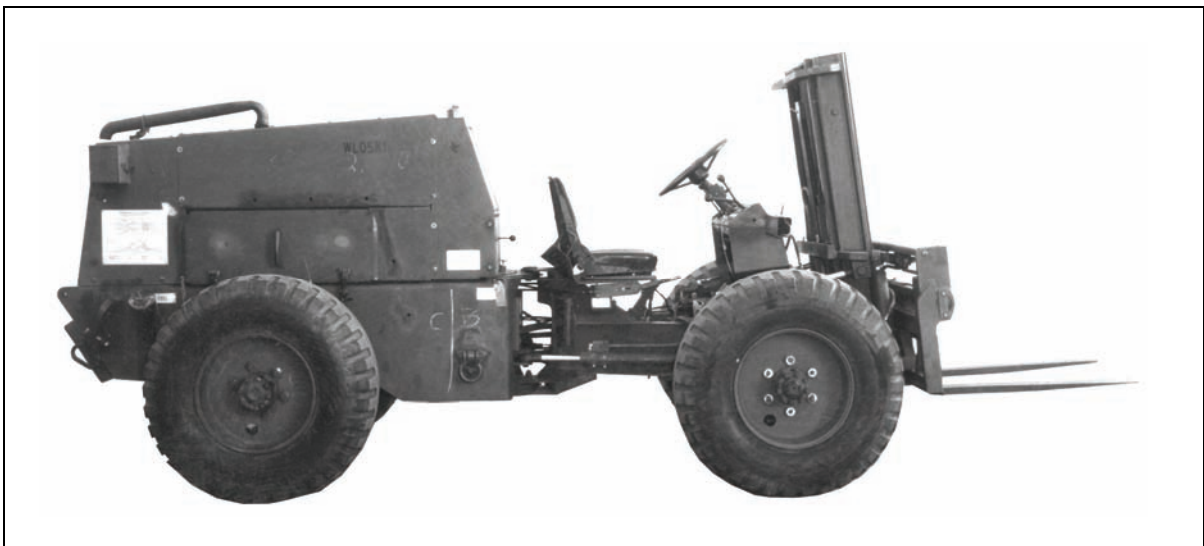
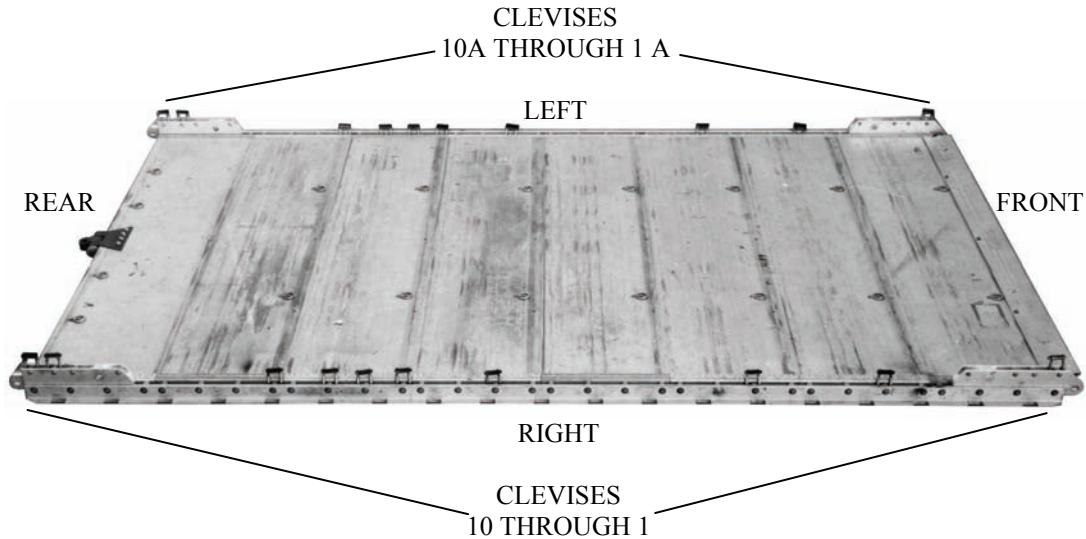


Figure 1-1. M4K, 4,000-Pound Capacity Forklift Truck

- 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.



**Step:**

1. Install a tandem link on the front of each platform side rail using holes 1, 2, and 3.
2. Install a tandem link on the rear of each platform side rail using holes 30, 31, and 32.
3. Install a clevis on bushing 1 on each front tandem link.
4. Install a clevis on bushings 3 and 4 on each rear tandem link.
5. Starting at the front of each platform side rail, install clevises to bushings bolted on holes 6, 10, 18, 21, 22, 23, and 25.
6. Starting at the front of the platform side rail, number the clevises bolted on the right side from 1 through 10 and those bolted on the left side from 1A to 10A.

**Figure 1-2. Platform Prepared**