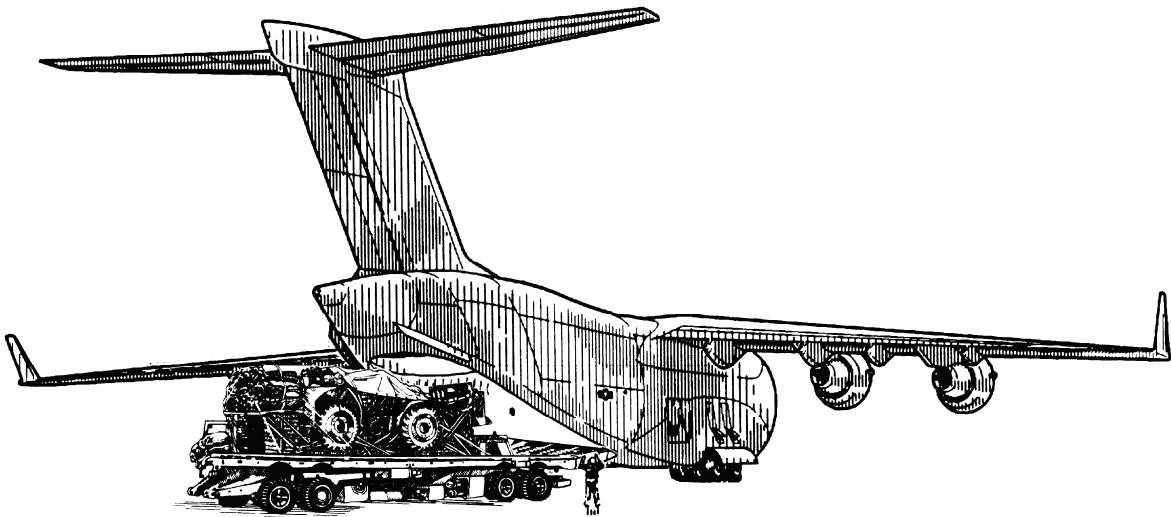


FM 4-20.167
TO 13C7-16-171
November 2006

**Airdrop of Supplies and Equipment:
Rigging Tracked Personnel – Cargo Carriers**



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Headquarters
Department of the Army
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Airdrop of Supplies and Equipment: Rigging Tracked Personnel – Cargo Carriers

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Preface

SCOPE

The purpose of this manual is to provide the latest approved procedures for rigging the IC45 crawler carrier, IC45-2 IHI crawler carrier and the M973A, 1 ½-ton cargo carrier small unit support vehicle (SUSV) on the type V platform for low-velocity airdrop from C-130 and C-17 aircraft. This manual is written for use by all parachute riggers.

This publication applies to the Active Army, the Army National Guard (ARNG)/Army National Guard of the United States (ARNGUS), and the United States Army Reserve (USAR) unless otherwise stated.

USER INFORMATION

The proponent of this publication is 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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Introduction

DESCRIPTION OF LOAD

- The IC45 crawler carrier is a small commercial off the shelf tracked dump truck. The IC45 crawler carrier is 98 ½ inches high (reducible to 77 ½ inches with the removal of the roll over protection system (ROPS) and canopy cover), 175 inches long, 101 ½ inches wide (reducible to 88 ½ inches with removal of the side mirrors) and weighs 12,790 pounds.
- The IC45-2 IHI crawler carrier is a small commercial off the shelf tracked dump truck with an attachment assembly. The IC45-2 IHI crawler carrier is 97 ½ inches in height (reducible to 81 ½ inches with the removal of the roll over protection system and canopy cover), 103 inches in width, 200 inches long, and weighs 16,500 pounds.
- The M973A, 1 ½-ton cargo carrier small unit support vehicle (SUSV) is a tracked vehicle with a driver's compartment and a cargo-troop carrier compartment attached to the rear. The vehicle is 271 inches long, 74 inches wide, 90 ½ inches high, and weighs 10,000 pounds. The vehicle must be rigged with an accompanying load that weighs at least 2,000 pounds but not more than 2,100 pounds. The accompanying load shown in this manual is 105-millimeter ammunition rigged on the front end of the platform; however other equipment may be used.

SPECIAL CONSIDERATIONS

CAUTION

Only ammunition listed in FM 4-20.153/MCRP 4-11.3B/TO 13C7-18-41 may be airdropped.

- The loads covered in this manual include hazardous material as defined in AFMAN 24-204(I)/TM 38-250/NAVSUP PUB 505.MCOP4030. The hazardous materials must be packaged, marked and labeled as required by AFMAN 24-204(I)/TM 38-250/NAVSUP PUB 505/MCO P4030.19H.
- A copy of this manual must be available to the Joint Airdrop Inspectors during the before and after loading inspection in accordance with AR 59-4/OPNAVINST 4630.24C/AFI 13-210(I)/MCO 13480.1B.

Chapter 1

Rigging IC45 Crawler Carrier on a Type V Platform for Low-Velocity Airdrop

DESCRIPTION OF LOAD

1-1. The IC45 crawler carrier is described in the introduction. The IC45 crawler carrier is rigged on a 16-foot, type V airdrop platform. The total rigged weight of the load is 17,480 pounds and this load requires four G-11 cargo parachutes. The IC45 crawler carrier is shown in Figure 1-1.



Figure 1-1. IC45 Crawler Carrier

PREPARING PLATFORM

1-2. Prepare a 16-foot, type V airdrop platform according to TM 10-1670-268-20&P/TO 13C7-52-22. Install 2 tandem links, 4 suspension brackets and 32 tiedown clevis assemblies as shown in Figure 1-2.

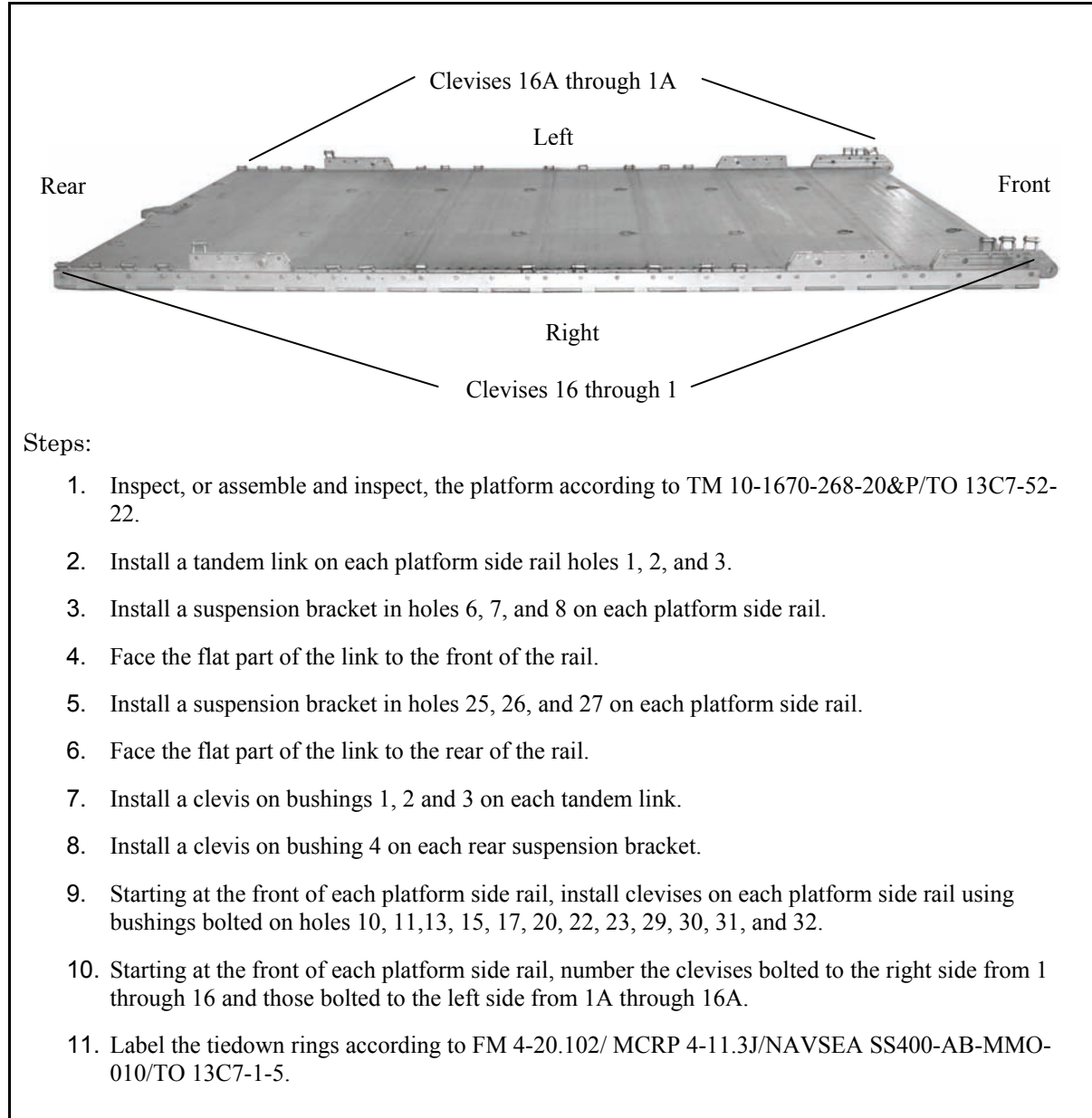


Figure 1-2. Platform Prepared