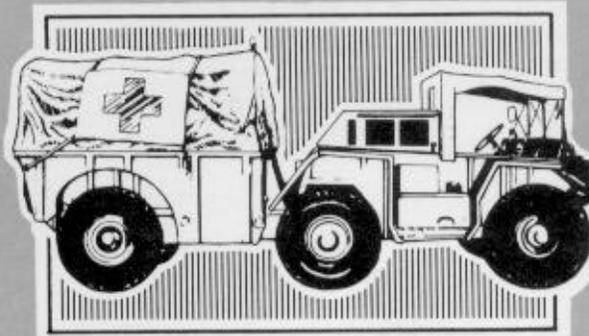
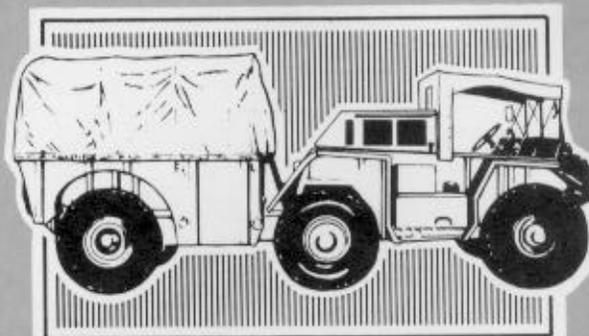
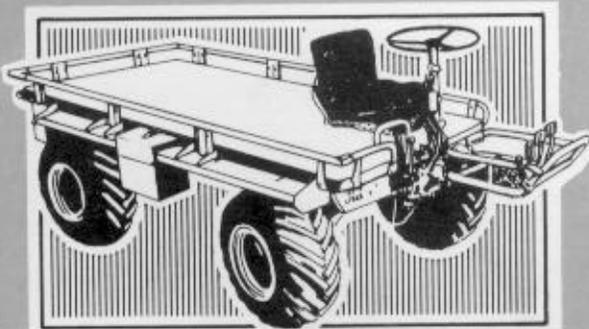
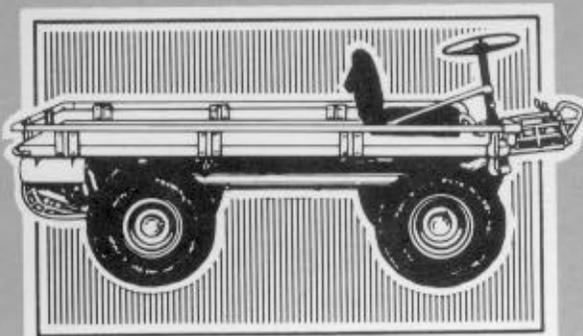


ARMY FM 10-508/AIR FORCE TO 13C7-2-491

**AIRDROP OF SUPPLIES
AND EQUIPMENT**

**RIGGING 1/2 - AND
1 1/4-TON TRUCKS**

This copy is a reprint which includes current pages from Change 1.



DEPARTMENTS OF THE ARMY AND THE AIR FORCE

DISTRIBUTION RESTRICTION: This publication contains technical or operational information that is for official government use only. Distribution is limited to US government agencies. Requests from outside the US government for release of this publication under the Freedom of Information Act or the Foreign Military Sales Program must be made to HQ TRADOC, Ft Monroe, VA 23651-5000.

CHANGE
No 1

HEADQUARTERS
DEPARTMENTS OF THE ARMY
AND THE AIR FORCE
Washington, DC, 15 February 1989

AIRDROP OF SUPPLIES AND EQUIPMENT:
RIGGING 1/2- AND 1 1/4-TON TRUCKS

This change adds the procedures for rigging the 1 1/4-ton trucks on the type V platform for low-velocity and LAPE airdrop.

FM 10-508/TO 13C7-2-491, 16 August 1985, is changed as follows:

1. New or changed material is identified by a vertical bar in the margin opposite the changed material.
2. Remove old pages and insert new pages as indicated below:

<u>Remove pages</u>	<u>Insert pages</u>
v and vi	v through viii
	7-1 through 7-54
	8-1 through 8-11
References-1	References-1

3. File this transmittal sheet in front of the publication for reference purposes.

DISTRIBUTION RESTRICTION. Distribution authorized to US government agencies only to protect technical or operational information from automatic dissemination under the International Exchange Program or by other means. This determination was made on 4 February 1987. Other requests for this document will be referred to Commandant, US Army Quartermaster School, ATTN: ATSM-DTP, Fort Lee, VA 23801-5036.

DESTRUCTION NOTICE. Destroy by any method that will prevent disclosure of contents or reconstruction of the document.

C1, FM 10-508/TO 13C7-2-491

15 FEBRUARY 1989

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

CARL E. VUONO

*General, United States Army
Chief of Staff*

Official:

WILLIAM J. MEEHAN II

*Brigadier General, United States Army
The Adjutant General*

DISTRIBUTION:

Active Army, USAR, and ARNG: To be distributed in accordance with DA Form 12-11E, requirements for FM 10-508, Airdrop of Supplies and Equipment: Rigging 1/2 and 1 1/4 - Ton Trucks (Qty rqr block no. 896).

C1. FM 10-508/TO 13C7-2-491

	Paragraph	Page
Section II	RIGGING ASSAULT GOAT FOR LAPE AIRDROP	
	Description of Load	6-12 6-17
	Preparing Platform and Honeycomb Stacks	6-13 6-17
	Preparing Truck	6-14 6-17
	Rigging Load	6-15 6-18
CHAPTER 7	RIGGING M561, 1 1/4-TON CARGO TRUCK ON THE TYPE V PLATFORM	
Section I	RIGGING TRUCK FOR LOW-VELOCITY AIRDROP	
	Description of Load	7-1 7-1
	Preparing Platform	7-2 7-1
	Building and Placing Honeycomb Stacks	7-3 7-3
	Preparing Truck	7-4 7-4
	Stowing Accompanying Load	7-5 7-8
	Installing Interbody Truss Assembly	7-6 7-8
	Installing Suspension Slings and Deadman's Tie	7-7 7-8
	Positioning Truck	7-8 7-10
	Installing Drive-Off Aids	7-9 7-10
	Lashing Truck	7-10 7-12
	Stowing Cargo Parachutes	7-11 7-14
	Installing Extraction System	7-12 7-14
	Installing Provisions for Emergency Restraint	7-13 7-16
	Installing Release System	7-14 7-16
	Placing Extraction Parachute	7-15 7-17
	Marking Rigged Load	7-16 7-18
	Equipment Required	7-17 7-18
Section II	RIGGING TRUCK WITH WINCH FOR LOW-VELOCITY AIRDROP	
	Description of Load	7-18 7-21
	Preparing Platform	7-19 7-21
	Building and Placing Honeycomb Stacks	7-20 7-22
	Preparing Truck	7-21 7-23
	Stowing Accompanying Load	7-22 7-25
	Installing Interbody Truss Assembly	7-23 7-29
	Installing Suspension Slings and Deadman's Tie	7-24 7-29
	Positioning Truck	7-25 7-29
	Installing Drive-Off Aids	7-26 7-29
	Lashing Truck	7-27 7-30
	Stowing Cargo Parachutes	7-28 7-33
	Installing Extraction System	7-29 7-35
	Installing Provisions for Emergency Restraints	7-30 7-35
	Installing Release System	7-31 7-35
	Placing Extraction Parachute	7-32 7-36
	Marking Rigged Load	7-33 7-36
	Equipment Required	7-34 7-36

	Paragraph	Page
Section III	RIGGING TRUCK WITH WINCH FOR LAPE AIRDROP	
	Description of Load	7-35 7-39
	Preparing Platform	7-36 7-39
	Building and Placing Honeycomb Stacks	7-37 7-41
	Preparing Truck	7-38 7-43
	Stowing Accompanying Load	7-39 7-44
	Installing Interbody Truss Assembly	7-40 7-44
	Installing Lifting Slings	7-41 7-44
	Positioning Truck	7-42 7-44
	Installing Drive-Off Aids	7-43 7-45
	Disconnecting Interbody Truss Assembly	7-44 7-45
	Lashing Truck	7-45 7-46
	Installing Attitude Control Bar	7-46 7-49
	Installing Extraction System	7-47 7-52
	Placing Extraction Parachute	7-48 7-54
	Marking Rigged Load	7-49 7-54
	Equipment Required	7-50 7-54
CHAPTER 8	RIGGING M792, 1 1/4-TON AMBULANCE TRUCK ON THE TYPE V PLATFORM	
Section I	RIGGING AMBULANCE TRUCK FOR LOW-VELOCITY AIRDROP	
	Description of Load	8-1 8-1
	Preparing Platform	8-2 8-1
	Building and Placing Honeycomb Stacks	8-3 8-1
	Preparing Ambulance Truck	8-4 8-2
	Stowing Accompanying Load	8-5 8-6
	Installing Interbody Truss Assembly	8-6 8-6
	Installing Suspension Slings and Deadman's Tie	8-7 8-6
	Positioning Ambulance Truck	8-8 8-6
	Installing Drive-Off Aids	8-9 8-6
	Lashing Ambulance Truck	8-10 8-6
	Stowing Cargo Parachutes	8-11 8-6
	Installing Extraction System	8-12 8-6
	Installing Provisions for Emergency Restraint	8-13 8-6
	Installing Release System	8-14 8-7
	Placing Extraction Parachute	8-15 8-7
	Marking Rigged Load	8-16 8-8
	Equipment Required	8-17 8-8
Section II	RIGGING AMBULANCE TRUCK FOR LAPE AIRDROP	
	Description of Load	8-18 8-9
	Preparing Platform	8-19 8-9
	Building and Placing Honeycomb Stacks	8-20 8-9
	Preparing Ambulance Truck	8-21 8-9

C1, FM 10-508/TO 13C7-2-491

	Paragraph	Page
Stowing Accompanying Load	8-22	8-9
Installing Interbody Truss Assembly	8-23	8-9
Installing Lifting Slings	8-24	8-9
Positioning Ambulance Truck	8-25	8-9
Installing Drive-Off Aids	8-26	8-9
Disconnecting Interbody Truss Assembly	8-27	8-9
Lashing Ambulance Truck	8-28	8-9
Installing Attitude Control Bar	8-29	8-10
Installing Extraction System	8-30	8-11
Placing Extraction Parachutes	8-31	8-11
Marking Rigged Load	8-32	8-11
Equipment Required	8-33	8-11
GLOSSARY		Glossary-1
REFERENCES		References-1

PREFACE

SCOPE

This manual tells and shows how to rig 1/2-ton platform trucks; M561, 1 1/4-ton trucks; and M792, 1 1/4-ton ambulance trucks for low-velocity airdrop from a C-130 or C-141 aircraft. Also included are procedures for rigging the trucks for LAPE airdrop from a C-130 aircraft. This manual is designed for use by all parachute riggers.

USER INFORMATION

The proponent of this publication is HQ TRADOC. You are encouraged to report any errors or omissions and suggest ways for improving this 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-DTP
Fort Lee, VA 23801-5036**

Air Force personnel, send your reports on AFTO Form 22 (Technical Order Publication Improvement Report) through:

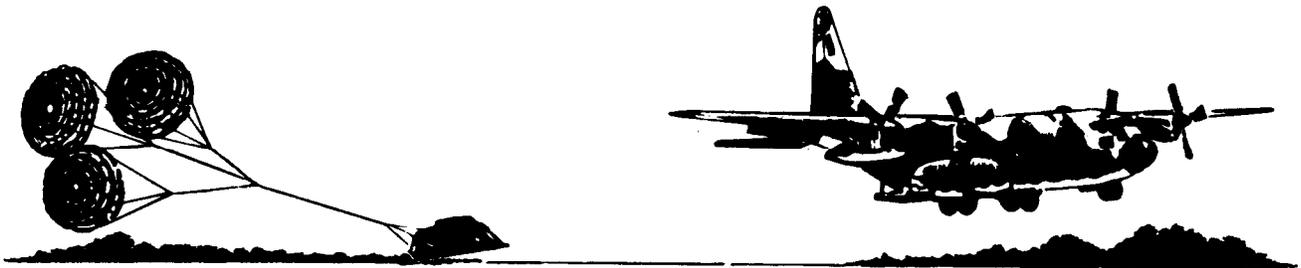
**Headquarters
Military Airlift Command (MAC/DOXT)
Scott AFB, IL 62225-5001**

to:

**Commandant
US Army Quartermaster School
ATTN: ATSM-DTP
Fort Lee, VA 23801-5036**

Also, send information copies of AFTO Form 22 to:

**San Antonio ALC/MMILRA
Kelly AFB, TX 78241-5000**



CHAPTER 1 Introduction

1-1. Description of Items

The description of the items (Figure 1-1) covered in this manual is as follows:

a. The unrigged M274, 1/2-ton platform truck (A) weighs 900 pounds. Its width is 49 inches; and its length is 118 inches, reducible to 101 inches. Its height is 49 inches, reducible to 31 inches. An accompanying load of 14 boxes of 105-millimeter ammunition weighing 1,700 pounds is rigged as part of this load.

b. The unrigged M274A1, 1/2-ton platform truck (B) weighs 1,100 pounds. Its width is 58 inches; and its length is 118 inches, reducible to 101 inches. Its height is 51 inches, reducible to 31 inches. An accompanying load of 18 boxes of 105-millimeter ammunition weighing 1,980 pounds is rigged as part of this load.

c. The unrigged M561, 1 1/4-ton cargo truck (C) weighs 7,300 pounds. If the truck has a winch, 40 pounds should be added to its weight. It is 227 inches long and 84 inches wide. Its height is 91 inches, reducible to 70 1/2 inches.

d. The unrigged M792, 1 1/4-ton ambulance truck (D) weighs 7,790 pounds. It is 227 inches long and 84 inches wide. Its height is 91 inches, reducible to 70 1/2 inches.

1-2. Special Considerations

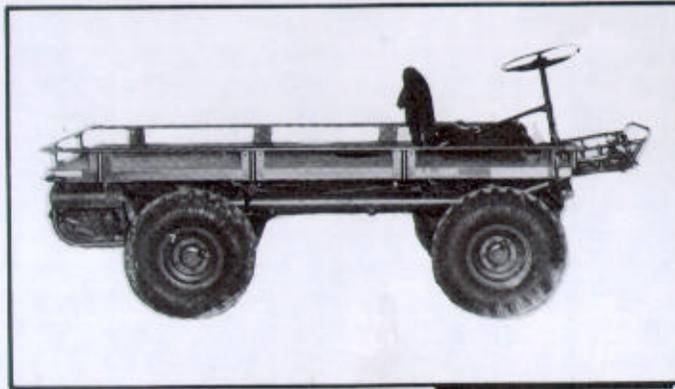
Special considerations are given below.

a. Only ammunition listed in FM 10-553/TO 13C7-18-41 may be airdropped.

b. The loads covered in this manual may include hazardous materials such as explosives or gasoline. When included, these items must be packaged, marked, and labeled according to AFR 71-4/TM 38-250.

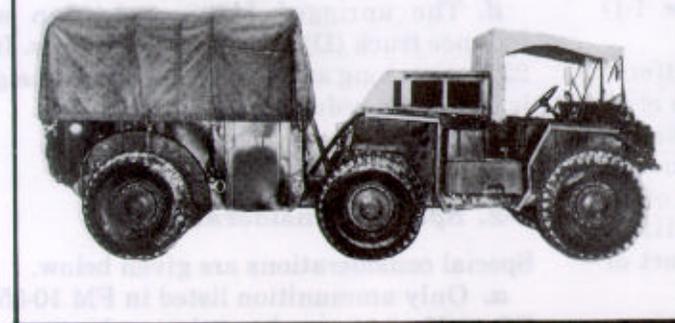
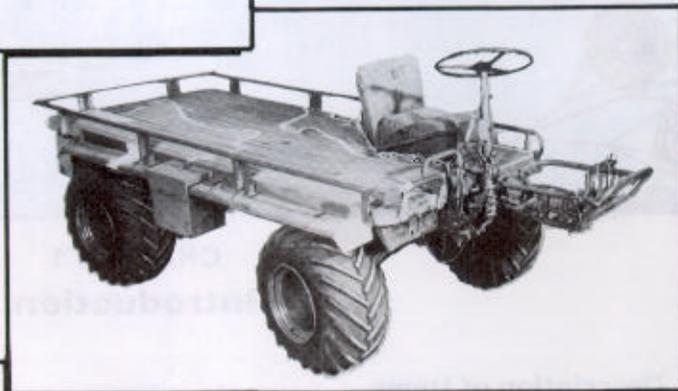
c. An additional layer of honeycomb must be glued to each stack when the M274, 1/2-ton platform truck is rigged for delivery on a drop zone with a ground elevation between 6,000 and 10,000 feet.

d. A copy of this manual must be available to the joint airdrop inspectors during the before- and after-loading inspections.



**A. M274,
1/2-TON PLATFORM TRUCK**

**B. M274A1,
1/2-TON PLATFORM TRUCK**



**C. M561,
1 1/4-TON CARGO TRUCK**

**D. M792,
1 1/4-TON AMBULANCE TRUCK**



Figure 1-1. Vehicles rigged in this manual