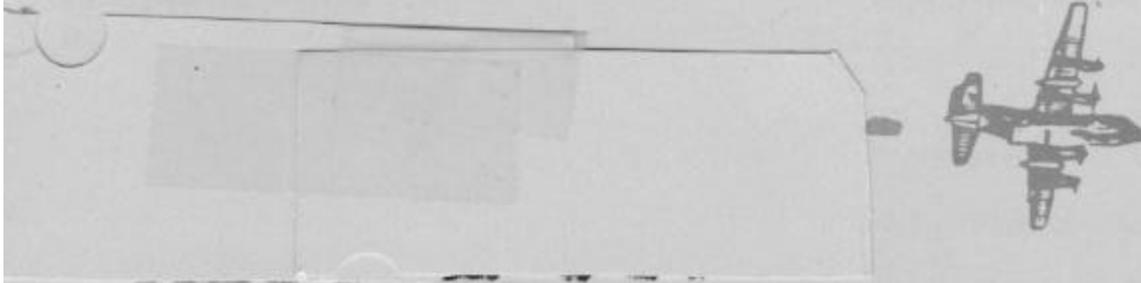
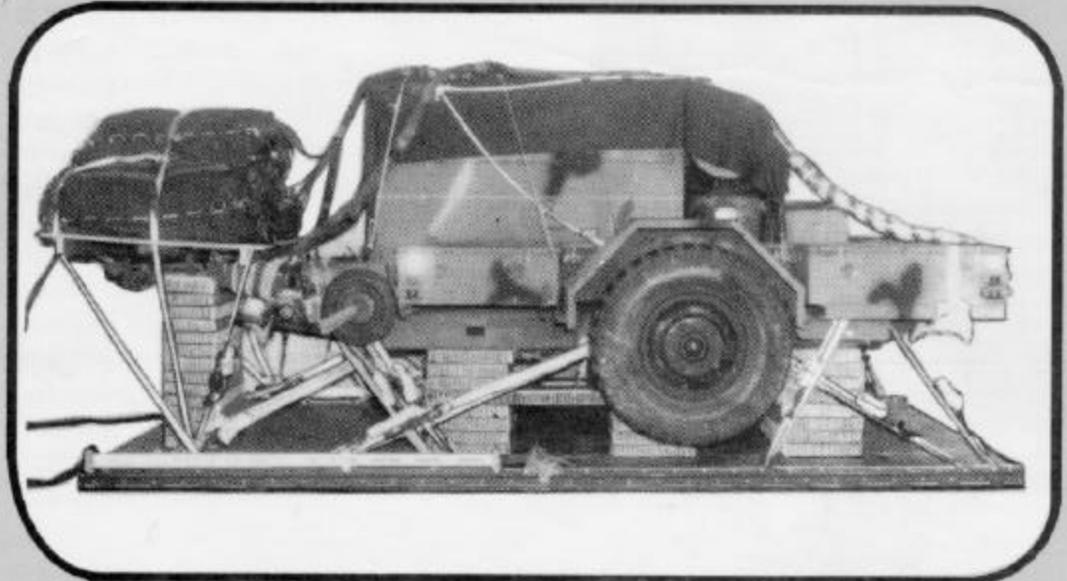


ARMY FM 10-569 AIR FORCE TO 13C7-15-61



AIRDROP OF SUPPLIES AND EQUIPMENT:

RIGGING TRAILER- MOUNTED AIR COMPRESSORS



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, Virginia 23801-5036.

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

DEPARTMENT OF THE ARMY AND THE AIR FORCE

CHANGE
NO 1

HEADQUARTERS
DEPARTMENTS OF THE ARMY
AND THE AIR FORCE
Washington, DC, 20 March 1991

AIRDROP OF SUPPLIES AND EQUIPMENT:
RIGGING TRAILER-MOUNTED AIR COMPRESSORS

This change adds the procedures for rigging the Ingersol-Rand model, 250-CFM, trailer-mounted air compressor on a type V platform for low-velocity and LAPE airdrop. Also, with this change, the distribution restriction statement is changed to read as follows: "DISTRIBUTION RESTRICTION. Approved for public release; distribution is unlimited." Please mark this change, as appropriate, on the cover and title (table of contents) page of the basic manual. With use of this statement, a destruction notice is not required. Please delete it where it appears.

FM 10-569/TO 13C7-15-61, 27 December 1988, 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:

Remove pages	Insert pages
i through iv	i through vi
	3-1 through 3-73
Glossary-1	Glossary-1
References-1	References-1

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

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

CARLE E. VUONO
General, United States Army
Chief of Staff

Official:

PATRICA P. HICKERSON
Colonel, United States Army
The Adjutant General

DISTRIBUTION:

Active Army, USAR, and ARNG: To be distributed in accordance with DA Form 12-11-E, requirements for FM 10-569, Airdrop of Supplies and Equipment: Rigging Trailer-Mounted Air Compressors (Qty rqr block no. 0942).

FIELD MANUAL
NO 10-569
TECHNICAL ORDER
NO 13C7-15-61

DEPARTMENTS OF THE ARMY
AND THE AIR FORCE
Washington, DC, 27 December 1988

**AIRDROP OF SUPPLIES AND EQUIPMENT:
RIGGING TRAILER-MOUNTED AIR COMPRESSORS**

TABLE OF CONTENTS

	Paragraph	Page
PREFACE		iv
INTRODUCTION		v
CHAPTER 1 RIGGING THE 210-CFM, TRAILER-MOUNTED AIR COMPRESSOR FOR LOW-VELOCITY AIRDROP		
Description of Load	1-1	1-1
Preparing Platform	1-2	1-1
Preparing and Positioning Honeycomb Stacks	1-3	1-2
Preparing Trailer	1-4	1-3
Installing Suspension Slings and Load Cover	1-5	1-7
Positioning Trailer	1-6	1-9
Lashing Trailer	1-7	1-9
Building and Securing Stowage Platform	1-8	1-10
Stowing Cargo Parachutes	1-9	1-11
Installing Extraction System	1-10	1-12
Installing Release System	1-11	1-13
Positioning Extraction Parachute	1-12	1-13
Installing Emergency Restraint	1-13	1-14
Marking Rigged Load	1-14	1-15
Equipment Required	1-15	1-16
CHAPTER 2 RIGGING THE 250-CFM, TRAILER-MOUNTED AIR COMPRESSOR		
Section I RIGGING THE 250-CFM, TRAILER-MOUNTED AIR COMPRESSOR FOR LOW-VELOCITY AIRDROP		
Description of Load	2-1	2-1
Preparing Platform	2-2	2-2
Preparing and Positioning Honeycomb Stacks	2-3	2-3

DISTRIBUTION RESTRICTION. Approved for public release; distribution is unlimited.

*This publication supersedes FM 10-569/TO 13C7-15-61, 31 December 1981.

	Paragraph	Page
	Preparing Trailer	2-4 2-9
	Installing Suspension Slings and Deadman's Tie	2-5 2-13
	Positioning Trailer	2-6 2-14
	Lashing Trailer	2-7 2-16
	Building and Securing Stowage Platform	2-8 2-18
	Stowing and Securing Spare Tire and Cargo Parachutes and Installing Extraction System	2-9 2-20
	Installing Release System	2-10 2-22
	Positioning Extraction Parachute	2-11 2-23
	Installing Emergency Restraint	2-12 2-23
	Marking Rigged Load	2-13 2-24
	Equipment Required	2-14 2-25
Section II	RIGGING THE 250-CFM, TRAILER-MOUNTED AIR COMPRESSOR FOR LAPE AIRDROP	
	Description of Load	2-15 2-27
	Preparing Platform	2-16 2-27
	Preparing and Positioning Honeycomb Stacks	2-17 2-28
	Preparing Trailer	2-18 2-30
	Positioning Trailer	2-19 2-31
	Lashing Trailer	2-20 2-32
	Installing and Lashing ACB	2-21 2-34
	Installing LAPE System	2-22 2-36
	Marking Rigged Load	2-23 2-38
	Equipment Required	2-24 2-39
CHAPTER 3	RIGGING THE INGERSOL-RAND MODEL, 250-CFM, TRAILER-MOUNTED AIR COMPRESSOR ON A TYPE V PLATFORM	
Section I	LOW-VELOCITY AIRDROP	
	Description of Load	3-1 3-1
	Preparing Platform	3-2 3-2
	Building and Positioning Honeycomb Stacks	3-3 3-3
	Lashing Tire	3-4 3-11
	Preparing Trailer	3-5 3-12
	Installing Lifting Slings and Preparing Jack Stand	3-6 3-32
	Positioning Trailer	3-7 3-35
	Lashing Trailer	3-8 3-36
	Installing Suspension Slings and Deadman's Tie	3-9 3-38
	Building and Installing Parachute Stowage Platform	3-10 3-39
	Stowing and Securing Cargo Parachutes	3-11 3-41
	Installing Parachute Release	3-12 3-42
	Preparing and Installing Extraction System	3-13 3-43
	Installing Provisions for Emergency Restraints	3-14 3-45
	Placing Extraction Parachutes	3-15 3-45
	Marking Rigged Load	3-16 3-45
	Equipment Required	3-17 3-47
Section II	LAPE AIRDROP	
	Description of Load	3-18 3-50
	Preparing Platform	3-19 3-50
	Building and Positioning Honeycomb Stacks	3-20 3-51
	Preparing Trailer	3-21 3-60

C1, FM 10-569/TO 13C7-15-61

	Paragraph	Page
Installing Lifting Slings	3-22	3-61
Positioning Trailer	3-23	3-63
Lashing Trailer	3-24	3-64
Installing and Lashing ACB	3-25	3-66
Installing Extraction System	3-26	3-68
Placing Extraction Parachutes	3-27	3-71
Marking Rigged Load	3-28	3-71
Equipment Required	3-29	3-72

GLOSSARY	Glossary-1
----------------	------------

REFERENCES	References-1
------------------	--------------

PREFACE

SCOPE

This manual tells and shows how to prepare and rig the Davey, model 210- and 250-CFM, and the Ingersol-Rand model, 250-CFM, trailer-mounted air compressors for low-velocity airdrop from C-130 and C-141 aircraft. It also tells and shows how to prepare and rig the Davey model, 250-CFM, and Ingersol-Rand model, 250-CFM, air compressors for LAPE airdrop from C-130 aircraft.

USER INFORMATION

The proponent of this publication is HQ TRADOC. You are encouraged to report any errors or omissions and to 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:

**Commander
U.S. Army Quartermaster Center and School
ATTN: ATSM-DTP
Fort Lee, Virginia 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, Illinois 62225-5001**

to:

**Commander
U.S. Army Quartermaster Center and School
ATTN: ATSM-DTP
Fort Lee, Virginia 23801-5036**

Also send information copies of AFTO Form 22 to:

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

INTRODUCTION

DESCRIPTION OF ITEMS

The Davey model, 210-CFM, trailer-mounted air compressor weighs 8,250 pounds with the fuel tank 1/2 full. The unrigged trailer is 210 inches long, 84 inches high, and 96 inches wide.

The Davey model, 250-CFM, trailer-mounted air compressor weighs 7,235 pounds with the fuel tank 1/2 full. The unrigged trailer is 201 inches long, 79 inches high, and 96 inches wide.

The Ingersol-Rand model, 250-CFM, trailer-mounted air compressor weighs 7,345 pounds with the fuel tank 1/2 full. The unrigged trailer is 204 inches long, 77 inches high, and 96 inches wide.

SPECIAL CONSIDERATIONS

These loads may contain dangerous materials, explosives, or gasoline as defined in AFR 71-4/TM 38-250. The materials must be packaged, marked, and labeled according to AFR 71-4/TM 38-250.

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

Notes:

1. The type IV connector link joining the rear suspension slings must be seated properly during the rigging process.
2. All mounting bolts holding the compressor unit to the trailer must be the correct size and properly installed.