

CHANGE
NO. 3

HEADQUARTERS
DEPARTMENT OF THE ARMY
DEPARTMENT OF THE AIR FORCE
Washington, DC, 10 March 1993

**AIRDROP OF SUPPLIES AND EQUIPMENT
RIGGING FORWARD AREA REFUELING EQUIPMENT (FARE)**

This change adds the procedures for rigging the FARE with seven 500-gallon fuel drums on a type V platform for low-velocity and LAPE airdrops.

FM 10-537/TO 13C7-1-19, 28 February 1983, 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

v
1-1

Insert pages

v and vi
1-1 through 1-2
9-1 through 9-49

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

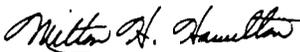
DISTRIBUTION RESTRICTION. Distribution authorized to US government agencies only to protect technical or operational information from automatic dissemination under the International Exchange Program or by other means. This determination was made on 30 April 1992. Other requests for this document will be referred to Commander, US Army Quartermaster Center and School, ATTN: ATSM-DTL, Fort Lee, VA 23801-5036.

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

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

GORDON R. SULLIVAN
General, United States Army
Chief of Staff

Official:


MILTON H. HAMILTON
Administrative Assistant to the
Secretary of the Army

03806

DISTRIBUTION:

Active Army, USAR, and ARNG: To be distributed in accordance with DA Form 12-11E, requirements for FM 10-537, Airdrop of Supplies and Equipment: Rigging Forward Area Refueling Equipment (FARE) (Qty rqr block no. 0919).

CHANGE
NO 2

HEADQUARTERS
DEPARTMENTS OF THE ARMY
AND THE AIR FORCE
Washington, DC, 16 September 1991

**AIRDROP OF SUPPLIES AND EQUIPMENT:
RIGGING FORWARD AREA REFUELING EQUIPMENT (FARE)**

This change adds the procedures for rigging the FARE with two, three, and four 500-gallon fuel drums on a type V platform for low-velocity airdrop. It also adds the procedures for rigging the FARE in an M998, 1 1/4-ton truck (HMMWV) on the type V platform for low-velocity airdrop.

FM 10-537/TO 13C7-1-19, 28 February 1983, 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
iii through v	iii through v
	6-1 through 6-65
	7-1 through 7-85
	8-1 through 8-9
Glossary-1	Glossary-1
Appendix-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 30 April 1991. Other requests for this document will be referred to Commander, US Army Quartermaster Center and School, ATTN: ATSM-DTL, Fort Lee, VA 23801-5036.

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

C2, FM 10-537/TO 13C7-1-19

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

GORDON R. SULLIVAN
General, United States Army
Chief of Staff

Official:

PATRICIA P. HICKERSON
Brigadier General, 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 10-537, Airdrop of Supplies and Equipment: Rigging Forward Area Refueling Equipment (FARE) (Qty rqr block no. 0919).

CHANGE
NO 1

HEADQUARTERS
DEPARTMENTS OF THE ARMY
AND THE AIR FORCE
Washington, DC, 29 May 1983

**AIRDROP OF SUPPLIES AND EQUIPMENT:
RIGGING FORWARD AREA REFUELING EQUIPMENT (FARE)**

FM 10-537/TO 13C7-1-19, 28 February 1983, 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 and ii	i and ii
1-1	1-1
2-7 and 2-8	2-7 and 2-8
4-1 and 4-2	4-1 and 4-2
4-17 through 4-20	4-17 through 4-20
5-1 through 5-4	5-1 through 5-4
5-9 and 5-10	5-9 and 5-10
5-17 through 5-20	5-17 through 5-20
5-27 through 5-30	5-27 through 5-30
Appendix A	Appendix A

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

DISTRIBUTION RESTRICTION: Distribution authorized to U.S. 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, U.S. 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.

Field Manual
No 10-537
Technical Order
No 13C7-1-19

HEADQUARTERS
DEPARTMENTS OF THE ARMY
AND THE AIR FORCE
Washington, DC, 28 February 1983

**AIRDROP OF SUPPLIES AND EQUIPMENT:
RIGGING FORWARD AREA REFUELING EQUIPMENT (FARE)**

Table of Contents

		<i>Paragraph</i>	<i>Page</i>
CHAPTER	1	INTRODUCTION	
		Scope	1-1 1-1
		Special Considerations	1-2 1-1
		User Information	1-3 1-1
CHAPTER	2	RIGGING FARE IN 3/4-TON TRAILER	
		Description of Load.	2-1 2-1
		Stowing FARE (Low Velocity and LAPE)	2-2 2-1
		Positioning Extraction Parachute (Low Velocity)	2-3 2-1
		Equipment Required	2-4 2-1
CHAPTER	3	RIGGING FARE IN 1 1/4-TON CARGO TRUCK	
		Description of Load.	3-1 3-1
		Stowing FARE (Low Velocity and LAPE)	3-2 3-1
		Stowing Cargo Parachutes (Low Velocity)	3-3 3-1
		Positioning Extraction Parachute (Low Velocity)	3-4 3-1
		Equipment Required	3-5 3-1
CHAPTER	4	RIGGING FARE WITH TWO 500-GALLON COLLAPSIBLE FUEL DRUMS FOR LOW-VELOCITY AIRDROP	
		Description of Load.	4-1 4-1
		Preparing Platform.	4-2 4-1
		Preparing and Securing Strongbacks	4-3 4-1
		Placing Honeycomb.	4-4 4-1
		Building Container for FARE	4-5 4-5
		Stowing FARE in Container	4-6 4-6
		Preparing Drums	4-7 4-11
		Attaching Suspension Slings	4-8 4-11
		Lashing Container and Drums to Platform	4-9 4-11
		Safetying Suspension Slings.	4-10 4-15
		Stowing Cargo Parachutes.	4-11 4-16

DISTRIBUTION RESTRICTION: Distribution authorized to U.S. 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, U.S. 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.

		<i>Paragraph</i>	<i>Page</i>
		Installing Extraction System	4-12 4-17
		Installing Parachute Release System	4-13 4-18
		Positioning Extraction Parachute	4-14 4-18
		Marking Rigged Load	4-15 4-18
		Equipment Required	4-16 4-18
CHAPTER	5	RIGGING FARE WITH TWO, THREE, OR FOUR 500-GALLON COLLAPSIBLE FUEL DRUMS FOR LAPE AIRDROP	
Section	I	RIGGING FARE WITH TWO DRUMS	
		Description of Load	5-1 5-1
		Preparing Platform	5-2 5-1
		Installing Deck Ring Lashings	5-3 5-3
		Placing Honeycomb	5-4 5-3
		Building Container for FARE	5-5 5-4
		Stowing FARE in Container	5-6 5-4
		Preparing Drums	5-7 5-4
		Placing Container and Drums on Platform	5-8 5-4
		Lashing Drums and Container	5-9 5-4
		Installing Attitude Control Bar (ACB)	5-10 5-4
		Installing Extraction System	5-11 5-9
		Placing Extraction Parachutes	5-12 5-9
		Marking Rigged Load	5-13 5-9
		Equipment Required	5-14 5-9
Section	II	RIGGING FARE WITH THREE DRUMS	
		Description of Load	5-15 5-10
		Preparing Platform	5-16 5-10
		Installing Deck Ring Lashings	5-17 5-10
		Placing Honeycomb	5-18 5-11
		Building Container for FARE	5-19 5-12
		Stowing FARE in Container	5-20 5-12
		Preparing Drums	5-21 5-12
		Placing Container and Drums on Platform	5-22 5-12
		Lashing Drums and Container	5-23 5-12
		Installing Attitude Control Bar (ACB)	5-24 5-12
		Installing Extraction System	5-25 5-18
		Placing Extraction Parachutes	5-26 5-18
		Marking Rigged Load	5-27 5-18
		Equipment Required	5-28 5-18
Section	III	RIGGING FARE WITH FOUR DRUMS	
		Description of Load	5-29 5-19
		Preparing Platform	5-30 5-19
		Installing Deck Ring Lashings	5-31 5-20
		Placing Honeycomb	5-32 5-20
		Building Container for FARE	5-33 5-21
		Stowing FARE in Container	5-34 5-21

	<i>Paragraph</i>	<i>Page</i>
Preparing Drums	5-35	5-21
Placing Container and Drums on Platform	5-36	5-21
Lashing Drums and Container	5-37	5-21
Installing Attitude Control Bar (ACB).....	5-38	5-21
Installing Extraction System	5-39	5-28
Placing Extraction Parachutes.....	5-40	5-28
Marking Rigged Load	5-41	5-28
Equipment Required	5-42	5-28

CHAPTER 6 RIGGING FARE FOR LOW-VELOCITY AIRDROP ON A TYPE V PLATFORM

Section I RIGGING FARE WITH TWO 500-GALLON FUEL DRUMS

Description of Load	6-1	6-1
Preparing Platform	6-2	6-1
Placing Honeycomb	6-3	6-3
Building Container for FARE	6-4	6-4
Preparing and Stowing FARE in Container	6-5	6-8
Securing Container	6-6	6-14
Positioning and Lashing Container	6-7	6-16
Attaching Lifting Slings	6-8	6-20
Placing and Lashing Fuel Drums	6-9	6-21
Installing Suspension Slings	6-10	6-25
Stowing Cargo Parachutes	6-11	6-26
Installing Extraction System	6-12	6-27
Installing Parachute Release System	6-13	6-29
Positioning Extraction Parachute	6-14	6-30
Installing Provisions for Emergency Restraints	6-15	6-30
Marking Rigged Load	6-16	6-30
Equipment Required	6-17	6-30

Section II RIGGING FARE IN AN M101A1, 3/4-TON TRAILER

Description of Load	6-18	6-34
Preparing Platform	6-19	6-34
Building and Placing Honeycomb Stacks	6-20	6-36
Preparing Trailer	6-21	6-42
Positioning Trailer	6-22	6-52
Lashing Trailer	6-23	6-54
Installing Suspension Slings	6-24	6-55
Building and Installing Cargo Parachute Stowage Platform	6-25	6-56
Stowing Cargo Parachute	6-26	6-58
Installing Extraction System	6-27	6-59
Installing Parachute Release System	6-28	6-61
Placing Extraction Parachute	6-29	6-62
Installing Provisions for Emergency Restraints	6-30	6-62
Marking Rigged Load	6-31	6-63
Equipment Required	6-32	6-63

CHAPTER 7 RIGGING FARE FOR LAPE AIRDROP ON A TYPE V PLATFORM

Section I RIGGING FARE IN AN M101A1, 3/4-TON TRAILER FOR TANDEM LAPE AIRDROP

Description of Load	7-1	7-1
Preparing Platform	7-2	7-1
Building and Placing Honeycomb Stacks	7-3	7-3
Preparing Trailer	7-4	7-9
Positioning Trailer	7-5	7-9
Lashing Trailer	7-6	7-10
Installing ACB	7-7	7-12
Lashing ACB	7-8	7-13
Installing Extraction System	7-9	7-14
Placing Extraction Parachutes	7-10	7-16
Marking Rigged Load	7-11	7-16
Equipment Required	7-12	7-16

Section II RIGGING FARE WITH TWO 500-GALLON FUEL DRUMS

Description of Load	7-13	7-18
Preparing Platform	7-14	7-18
Installing Tie-down Ring Lashings	7-15	7-20
Building and Placing Honeycomb Stacks	7-16	7-21
Building Container for LAPE	7-17	7-22
Preparing and Stowing FARE in Container	7-18	7-22
Securing Container	7-19	7-22
Attaching Lifting Slings	7-20	7-22
Positioning Fuel Drums and Container	7-21	7-22
Lashing Fuel Drums and Container to the Platform	7-22	7-24
Installing and Lashing ACB	7-23	7-32
Installing Extraction System	7-24	7-34
Placing Extraction Parachutes	7-25	7-36
Marking Rigged Load	7-26	7-36
Equipment Required	7-27	7-36

Section III RIGGING FARE WITH THREE 500-GALLON FUEL DRUMS

Description of Load	7-28	7-38
Preparing Platform	7-29	7-39
Installing Tie-down Ring Lashings	7-30	7-40
Building and Placing Honeycomb Stacks	7-31	7-42
Building Container for FARE	7-32	7-42
Preparing and Stowing FARE in Container	7-33	7-42
Securing Container	7-34	7-42
Attaching Lifting Slings	7-35	7-43
Positioning Fuel Drums and Container	7-36	7-43
Lashing Fuel Drums and Container to the Platform	7-37	7-45
Installing and Lashing ACB	7-38	7-56
Installing Extraction System	7-39	7-58

	<i>Paragraph</i>	<i>Page</i>
Placing Extraction Parachutes	7-40	7-60
Marking Rigged Load	7-41	7-60
Equipment Required	7-42	7-60

Section IV RIGGING FARE WITH FOUR 500-GALLON FUEL DRUMS

Description of Load	7-43	7-62
Preparing Platform	7-44	7-62
Installing Tie-Down Ring Lashings	7-45	7-64
Building and Placing Honeycomb Stacks	7-46	7-65
Building Container for FARE	7-47	7-66
Preparing and Stowing FARE in Container	7-48	7-66
Securing Container	7-49	7-66
Attaching Lifting Slings	7-50	7-66
Positioning Fuel Drums and Container and Lashing Container	7-51	7-66
Lashing Fuel Drums and Container to the Platform	7-52	7-68
Installing and Lashing ACB	7-53	7-79
Installing Extraction System	7-54	7-81
Placing Extraction Parachutes	7-55	7-83
Marking Rigged Load	7-56	7-83
Equipment Required	7-57	7-83

CHAPTER 8 RIGGING FARE IN AN M998, 1 1/4-TON TRUCK (HMMWV) FOR LOW-VELOCITY AIRDROP ON A TYPE V PLATFORM

Description of Load	8-1	8-1
Preparing Platform and Truck	8-2	8-1
Preparing Cargo Bed	8-3	8-1
Placing FARE in Cargo Bed	8-4	8-3
Securing FARE	8-5	8-6
Securing Accessories	8-6	8-8

CHAPTER 9 RIGGING FARE WITH SEVEN 500-GALLON FUEL DRUMS ON A 32-FOOT, TYPE V PLATFORM

Section I LOW-VELOCITY AIRDROP

Description of Load	9-1	9-1
Preparing Platform	9-2	9-1
Building and Positioning Honeycomb	9-3	9-3
Preparing FARE	9-4	9-6
Installing Lifting Slings and Positioning Fuel Drums	9-5	9-7

Paragraph Page

Installing Lifting Slings and Positioning FARE Containers	9-6	9-8
Lashing FARE Containers and Fuel Drums to Platform	9-7	9-8
Installing Suspension Slings	9-8	9-15
Safelying Suspension Slings	9-9	9-16
Building and Installing Cargo Parachute Stowage Tray	9-10	9-17
Installing Extraction System	9-11	9-20
Installing Parachute Release System	9-12	9-21
Positioning Extraction Parachutes	9-13	9-22
Installing Provisions for Emergency Restraints	9-14	9-22
Marking Rigged Load.....	9-15	9-22
Equipment Required	9-16	9-22

Section II LAPE AIRDROP

Description of Load	9-17	9-27
Preparing Platform	9-18	9-27
Building and Positioning Honeycomb	9-19	9-29
Preparing FARE	9-20	9-30
Installing Lifting Slings and Positioning Fuel Drums	9-21	9-30
Installing Lifting Slings and Positioning FARE Containers	9-22	9-30
Lashing FARE Containers and Fuel Drums to Platform	9-23	9-30
Installing and Lashing ACB	9-24	9-41
Installing Extraction System	9-25	9-43
Positioning Extraction Parachutes	9-26	9-46
Marking Rigged Load.....	9-27	9-46
Equipment Required	9-28	9-46

GLOSSARY Glossary-1

REFERENCES References-1