

TECHNICAL MANUAL

**UNIT AND INTERMEDIATE DIRECT SUPPORT (DS)
MAINTENANCE MANUAL (INCLUDING REPAIR PARTS
AND SPECIAL TOOLS LIST)
FOR**

**PARACHUTE, CARGO TYPE: 12-FOOT
DIAMETER, HIGH-VELOCITY CARGO
PARACHUTE
NSN 1670-00-788-8666**

Approved for public release. Distribution is unlimited.

***The following manuals, TM 10-1670-275-23&P, TM 10-1670-276-23&P, TM 10-1670-277-23&P, TM 10-1670-278-23&P, TM 10-1670-279-23&P, TM 10-1670-280-23&P, TM 10-1670-281-23&P, TM 10-1670-282-23&P, in their entirety, supersede TM 10-1670-215-23, dated 7 December 1973, including all changes.**

**HEADQUARTERS, DEPARTMENTS OF THE ARMY
AND THE AIR FORCE AND HEADQUARTERS, U.S. MARINE CORPS**

17 MARCH 1989

**TECHNICAL MANUAL 10-1670-275-23&P
TECHNICAL ORDER 13C25-22
NAVAIR 13-1-26**

**HEADQUARTERS, DEPARTMENTS OF
THE ARMY AND THE AIR FORCE AND
HEADQUARTERS, U.S. MARINE CORPS
WASHINGTON, D.C., 17 March 1989**

**Unit and Intermediate Direct Support (DS) Maintenance Manual
(Including Repair Parts and Special Tools List)
for**

**PARACHUTE, CARGO TYPE: 12-FOOT DIAMETER
HIGH-VELOCITY CARGO PARACHUTE ASSEMBLY
NSN 1670-00-788-8666**

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REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

ARMY

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to: Commander, U.S. Army Troop Support Command, ATTN: AMSTR-MCTS, 4300 Goodfellow Blvd, St Louis, MO 63120-1798. A reply will be furnished directly to you.

AIR FORCE

Reports by U.S. Air Force units should be submitted on AFTO Form 22 (Technical Order Publication Improvement Report) and forwarded to the address prescribed above for the Army. An information copy of the prepared AFTO Form 22 shall be furnished to AFLC/MMILRA, Kelly AFB, TX 78241-5000.

TABLE OF CONTENTS

	Page
CHAPTER 1 INTRODUCTION.....	1-1
OVERVIEW	1-1
Section I General	1-1
Section II Equipment Description and Data	1-4
CHAPTER 2 UNIT AND INTERMEDIATE MAINTENANCE INSTRUCTIONS	2-1
OVERVIEW	2-1
Section I Repair Parts, Special Tools, Test, Measurement and Diagnostic Equipment (TMDE) and Support Equipment.....	2-1
Section II Service Upon Receipt.....	2-2
Section III Assembly	2-7
Section IV Preventive Maintenance Checks and Services (PMCS).....	2-8
Section V Unit and Intermediate Maintenance Procedures	2-9
Section VI Repair	2-46
Section VII Preparation for Storage or Shipment	2-117

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TABLE OF CONTENTS (cont).

		Page	Illus Figure
APPENDIX A	REFERENCES	A-1	
APPENDIX B	MAINTENANCE ALLOCATION CHART	B-1	
APPENDIX C	REPAIR PARTS AND SPECIAL TOOLS LIST	C-1	
Section I	Introduction	C-1	
Section II	Repair Parts List	C-11	
Group 00	Parachute, Cargo High Velocity, 12 Foot	C-11	C-1
Group 01	Canopy, Parachute, Cargo, 12 Foot	C-13	C-2
Group 02	Bag, Deployment	C-15	C-3
Group 03	Static Line, Cargo Parachute	C-17	C-4
Section III	Special Tools List (Not Applicable)	C-18	
Section IV	Cross-Reference Indexes		
	National Stock Number Index	C-19	
	Part Number Index	C-20	
APPENDIX D	EXPENDABLE/DURABLE SUPPLIES AND MATERIALS LIST	D-1	
APPENDIX E	ILLUSTRATED LIST OF MANUFACTURED ITEMS	E-1	
INDEX		Index 1	

LIST OF ILLUSTRATIONS

Figure Number	Title	Page
1-1	The 12-Foot Diameter High-Velocity Cargo Parachute	1-2
1-2	Location and Description	1-5
1-3	Major Components	1-7
2-1	Installing Attachment Tie on Parachute Log Record.....	2-3
2-2	Inside Front Cover of Parachute Log Record	2-5
2-3	Inside Back Cover of Parachute Log Record	2-5
2-4	Log Record Entries for the Modification Work Order Compliance Record Page	2-6
2-5	Log Record Entries for Unit and Intermediate Repair and Inspection Data Page 2	2-6
2-6	Data Entries for a Log Record Note Page	2-7
2-7	Shakeout	2-12
2-8	Rigger's Orientation	2-24
2-9	Canopy Attached to Packing Table Apex Hook	2-25
2-10	Removing Canopy Inversion	2-25
2-11	Removing Partial Inversions	2-26
2-12	Removing Turns	2-27
2-13	Removing Tangles	2-28
2-14	Removing Twists	2-29
2-15	Suspension Line Separation	2-30
2-16	Attaching Deployment Bag with Breakcord	2-31
2-17	Surgeon's Knot	2-32
2-18	Attaching Deployment Bag with Retaining Loop	2-33
2-19	Attaching Static Line.....	2-34
2-20	Flipping Right Gore Group.....	2-35
2-21	Right Gore Group Fold Complete	2-36
2-22	Left Gore Group Fold Complete	2-37
2-23	Fold Complete, Lines Separated	2-38
2-24	Canopy Flatfold	2-38
2-25	Longfold Complete	2-39
2-26	Canopy Stowage Complete	2-39
2-27	Installing Bag Closing Ties.....	2-40
2-28	Closing Tie Completed	2-40
2-29	First Suspension Line Stow	2-41
2-30	First and Second Suspension Line Stows Complete.....	2-41
2-31	Suspension Line Stow Complete	2-42
2-32	Riser Securing Ties	2-42
2-33	Suspension Line Protector Flap Closed and Secured	2-43
2-34	Stowed Risers	2-44
2-35	Stowed Static Line.....	2-45
2-36	Parachute Pack Completed	2-45
2-37	Darning Method Using a Darning Sewing Machine	2-50
2-38	Hand Darning Method	2-51
2-39	Repair Method Using a Zig-Zag Sewing Machine.....	2-52
2-40	Bridle Loop Replacement Details.....	2-57
2-41	Vent Line Replacement Details.....	2-59
2-42	Vent Reinforcement Tape Splicing Details.....	2-62

LIST OF ILLUSTRATIONS (cont)

Figure Number	Title	Page
2-43	Patch Application, Stitch Method	2-65
2-44	Pressure Sensitive Patch.....	2-66
2-45	Gore Section One, Replacement Details.....	2-67
2-46	Reinstalling Pocket Band.....	2-69
2-47	Gore Section 2, Replacement Details	2-70
2-48	Gore Section 3, Replacement Details	2-71
2-49	Radial Tape Splicing Details.....	2-73
2-50	Vertical Tape Splicing Details	2-75
2-51	Skirt Reinforcement Tape Splicing Details.....	2-77
2-52	Pocket Band Replacement Details	2-79
2-53	Suspension Line Attaching Loop Details	2-81
2-54	Suspension Line Splicing Details	2-83
2-55	Replacement Suspension Line Construction Details	2-84
2-56	Inserting Splicing Aid into Cord Casing	2-85
2-57	Aligning Cord	2-85
2-58	Securing Suspension Line at Suspension Line Attaching Loop	2-86
2-59	Suspension Line Numerical Sequence	2-87
2-60	Securing Suspension Line at Suspension Line Attaching Loop	2-88
2-61	Retaping Attaching Loop.....	2-89
2-62	Riser Splicing Details	2-90
2-63	Riser Construction Details	2-91
2-64	Riser Fabrication Details.....	2-92
2-65	Taping Rolled Portion of Webbing	2-93
2-66	Forming Riser Strap Around Right Group of Suspension Line Loops.....	2-93
2-67	Forming Riser Clevis Attaching Loop	2-94
2-68	Temporary Tacking	2-94
2-69	Attaching Left and Right Risers	2-95
2-70	Attaching Parachute Inspection Data Pocket to Left Riser.....	2-96
2-71	Replacing Riser Clevis Retaining Cord	2-98
2-72	Forming Riser Clevis Safety Pin	2-98
2-73	Data Pocket Repair	2-100
2-74	Attaching Parachute Inspection Data Pocket	2-101
2-75	Attaching Loop Fabrication Details	2-104
2-76	Main Strap Splicing Details.....	2-106
2-77	Deployment Bag Main Strap Fabrication Details	2-107
2-78	Deployment Bag Suspension Line Retaining Strap Fabrication Details	2-109
2-79	Deployment Bag Tie Loop Fabrication Details	2-111
2-80	Patching Deployment Bag Panels and Flaps	2-114
2-81	Retaping Riser Clevis Attaching Loop.....	2-116
2-82	Static Line Construction Details	2-117

LIST OF TABLES

Number	Title	Page
2-1	Unit and Intermediate Preventive Maintenance Checks and Services (PMCS)	2-9
2-2	Sewing Machine Code Symbols	2-48
2-3	Stitching and Restitching Specifications	2-48

CHAPTER 1

INTRODUCTION

	Page
Section I. General	1-1
Section II. Equipment Description and Data.....	1-4

OVERVIEW

This chapter includes the general information common to all parachute manuals and specific information pertinent to the parachute described in this manual.

SECTION I. GENERAL

Paragraph	Page
1-1 Scope	1-1
1-2 Maintenance Forms and Records	1-2
1-3 Destruction of Army Materiel to Prevent Enemy Use	1-3
1-4 Preparation for Storage or Shipment.....	1-4
1-5 Reporting of Equipment Improvement Recommendations (EIR).....	1-4

1-1. Scope. The scope of this manual is described in the following subparagraphs.

a. Type of Manual. This manual provides unit and intermediate direct support (DS) maintenance Instructions for parachute. NSN 1670-00-7888666. This is a 12-Foot Diameter High-Velocity Cargo Parachute (Figure 1-1). This manual also provides a Repair Parts and Special Tools List located at Appendix C.

b. Equipment Name. 12-Foot Diameter, High-Velocity Cargo Parachute, hereinafter called the 12-Foot Cargo Parachute.

c. Purpose of Equipment. The parachute provides high velocity air delivery of non-fragile supplies.

1-1. Scope (cont).

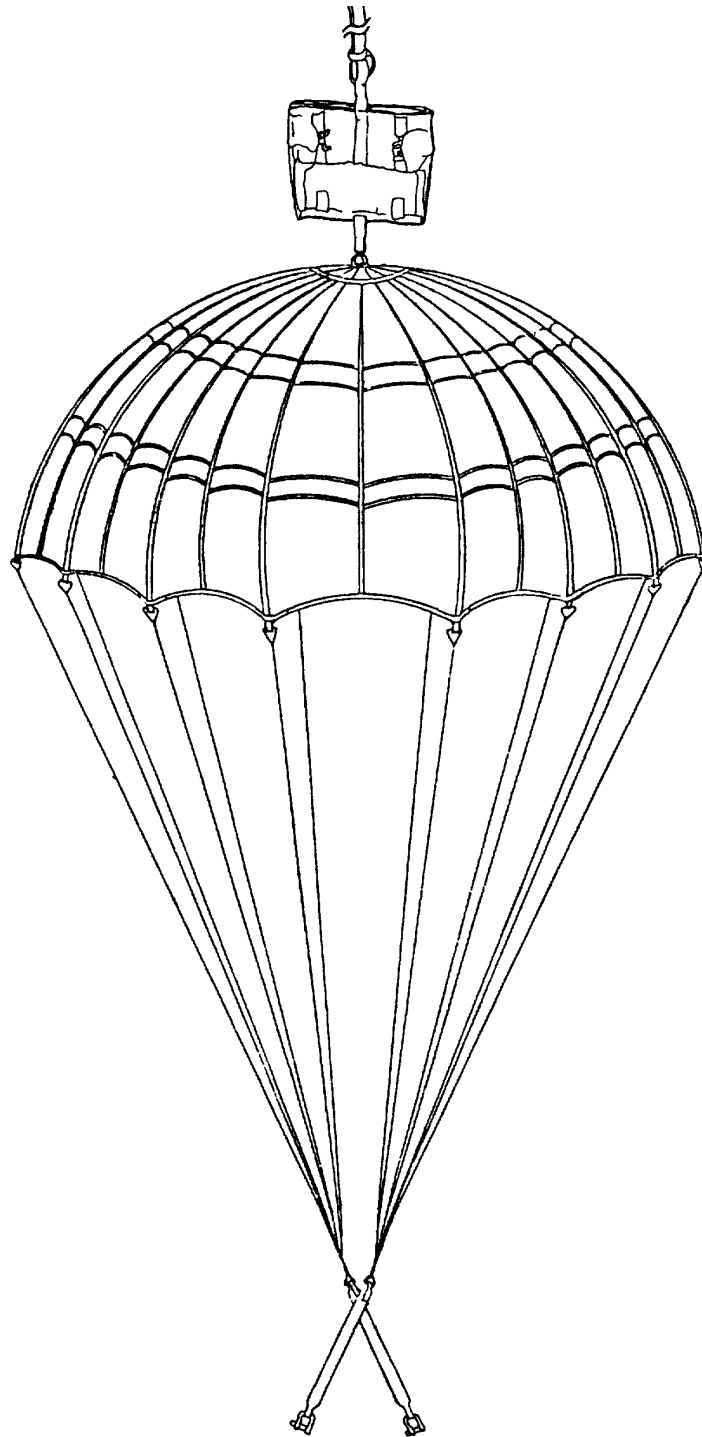


Figure 1-1. The 12-Foot-Diameter High-Velocity Cargo Parachute Assembly.

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1-2. Maintenance Forms and Records. Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA PAM 738-750, The Army Maintenance Management System and TB 750-126, Use of Material Condition Tags and Labels on Army Aeronautical and Air Delivery Equipment.

1-3. Destruction of Army Materiel to Prevent Enemy Use. Destruction methods are described in the following subparagraphs.

a. General.

(1) *Objective.* Methods of destruction used to inflict damage on air delivery equipment should make it impossible to restore equipment to a usable condition in a combat zone by either repair or cannibalization.

(2) *Authority.* Destruction of air delivery equipment that is in imminent danger of capture by an enemy is a command decision that must be made by a battalion or higher commander or the equivalent.

(3) *Implementation plan.* All units which possess air delivery equipment should have a plan for the implementation of destruction procedures.

(4) *Training.* All personnel who use or perform such functions as rigging, packing, maintenance, or storage of air delivery equipment should receive thorough training on air delivery equipment destruction procedures and methods. The destruction methods demonstrated during training should be simulated. Upon completion of training, all applicable personnel should be thoroughly familiar with air delivery equipment destruction methods and be capable of performing destruction without immediate reference to any publication.

(5) *Specific methods.* Specific methods of destroying Army materiel to prevent enemy use shall be by mechanical means, fire or by use of natural surroundings.

b. Destruction by Mechanical Means. Air delivery equipment metal assemblies, parts, and packing aids shall be destroyed using hammers, bolt cutters, files, hacksaws, drills, screwdrivers, crowbars, or other similar devices to smash, break, bend or cut.

WARNING

Exercise extreme care when using petroleum products to destroy equipment by fire, as these materials are highly flammable.

c. Destruction By Fire. Items that can be destroyed by fire shall be burned. The destruction of equipment by use of fire is an effective method of destroying low-melting-point metal items. However, mechanical destruction should be completed first, whenever possible, before initiating destruction by fire. When items to be destroyed are made of metal, textile materials (or some comparable low combustible material) should be packed under and around the items, then soaked with a flammable petroleum product and ignited. Proper concentration of equipment which is suitable for burning will provide a hotter and more destructive fire.