ARMY TM 10-1670-278-23&P
AIR FORCE TO 13C5-26-2
NAVY NAVAIR 13-1-27
MARINE CORPS TM 01109C-23&P/1

TECHNICAL MANUAL

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

PARACHUTE, CARGO TYPE: 15-FOOT DIAMETER, CARGO EXTRACTION PARACHUTE NSN 1670-01-063-3715 AND NSN 1670-00-052-1548

Approved for public release; distribution is unlimited.

This copy is a reprint which includes current pages from Changes 1 and 2.

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 DEPARTMENT OF THE ARMY
AIR FORCE, NAVY AND MARINE CORPS
6 NOVEMBER 1989**

TECHNICAL MANUAL 10-1670-278-34&P
TECHNICAL ORDER 13C5-26-2
NAVAIR 13-1-27
TECHNICAL MANUAL 01109C-23&P/1

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 6 November 1989

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

for

PARACHUTE, CARGO TYPE: 15-FOOT DIAMETER
CARGO EXTRACTION PARACHUTE ASSEMBLY
NSN 1670-01-063-3715 AND NSN 1670-00-052-1548

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 SA-ALC/MMILRA, Kelly AFB, TX 78241-5000.

MARINE CORPS

Marine Corps personnel submit NAVMC 10772, form to Commanding General Marine Corps Logistics Base, Albany, GA 31704-5000.

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CHAPTER 1
INTRODUCTION

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

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 1670-01-063-3715 and NSN 1670-00-052-1548. The two 15 Foot Diameter Cargo Extraction Parachutes are illustrated in figures 1-1 and 1-2. This manual also provides a Repair Parts and Special Tools List located at Appendix C.

b. *Equipment Name*. 15-Foot Diameter, Cargo Extraction Parachute.

c. *Purpose of Equipment*. The parachute provides force to extract an air delivery load from aircraft.

1-1. Scope (cont).

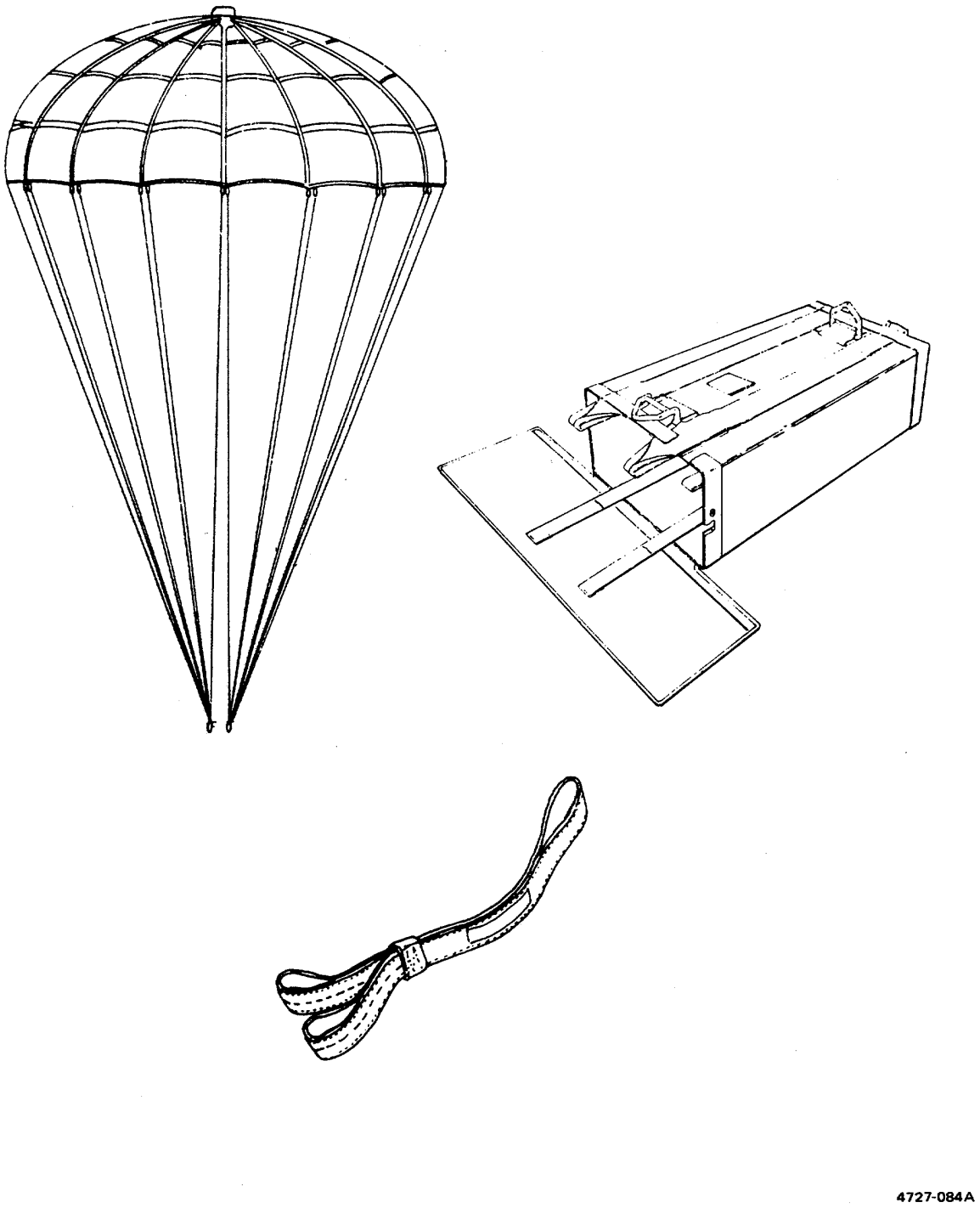

Figure 1-1. 15-Foot Diameter, Cargo Extraction Parachute, NSN 1670-01-063-3715.

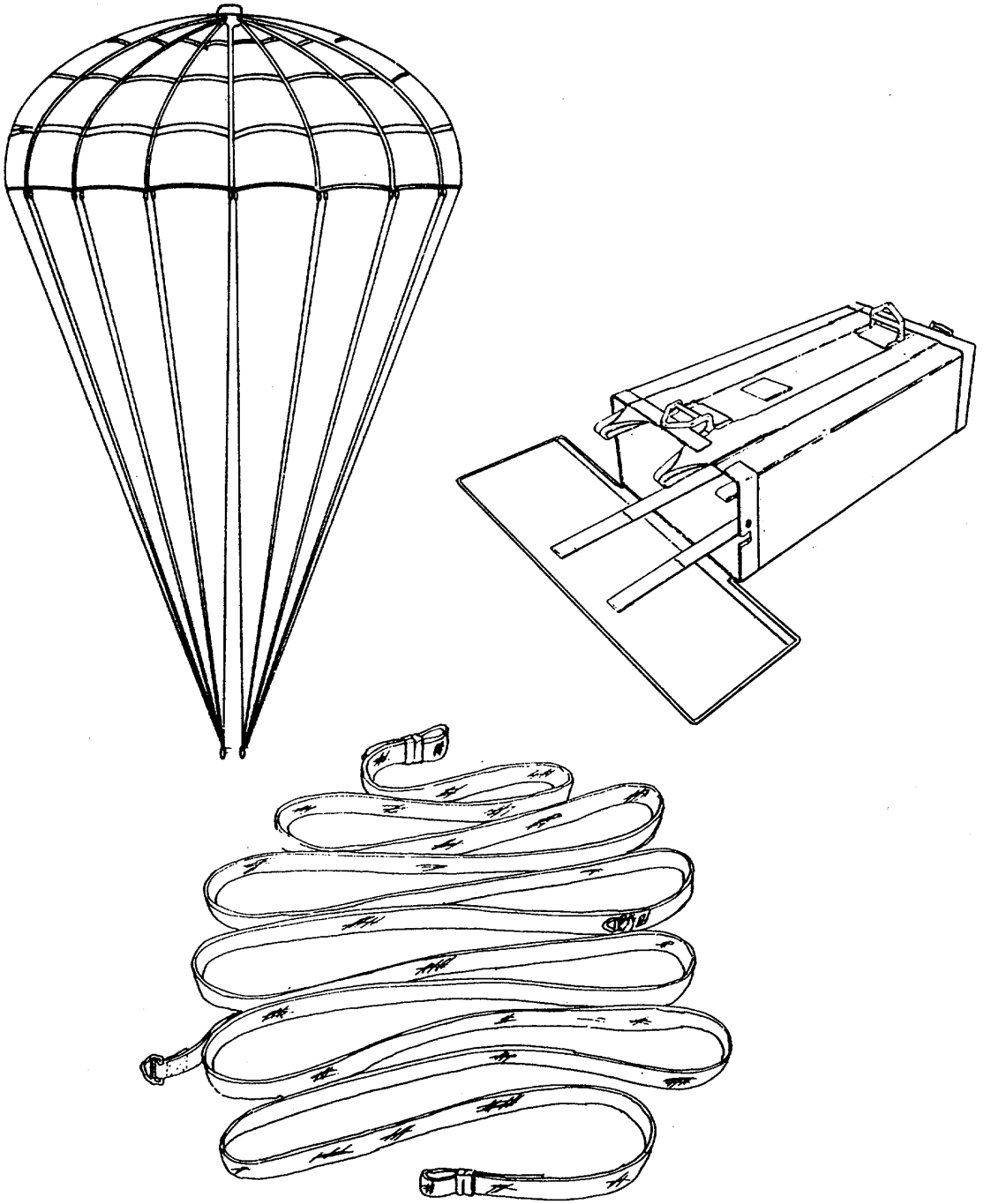

Figure 1-2. 15-Foot Diameter, Cargo Extraction Parachute, NSN 1670-00-052-1548.

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. Marine Corps personnel will refer to TM 4700-15/1 for equipment maintenance forms and records.

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 airborne platforms 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 severe burns or DEATH could result.

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 (e.g., side rails, threaded portions of nuts and bolts, and platform panels. 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.