

TECHNICAL MANUAL

**OPERATOR AND UNIT
MAINTENANCE MANUAL**

**PERSONNEL/CARGO
LOWERING DEVICE
500 LB CAPACITY
(NSN 1670-00-999-0758)**

Approved for public release; distribution is unlimited

***This manual supersedes TM 10-1670-251-12
dated 20 April 1970.**

**HEADQUARTERS,
DEPARTMENT OF THE ARMY
11 June 1991**

***TM 10-1670-251-12&P**

TECHNICAL

HEADQUARTERS

DEPARTMENT OF THE ARMY

No. 10-1670-251-12&P

Washington, D.C., 11 June 1991

**Operator and Unit Maintenance Manual
(Including Repair Parts and Special Tools List)
for
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500 LB CAPACITY
(NSN 1670-00-999-0758)**

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**REPORTING ERRORS AND RECOMMENDING
IMPROVEMENTS**

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), to: Commander, U.S. Army Aviation and Troop Command, ATTN: AMSAT-I-MP, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. A reply will be furnished directly to you.

***This manual supersedes TM 10-1670-251-12 dated 20 April 1970.**

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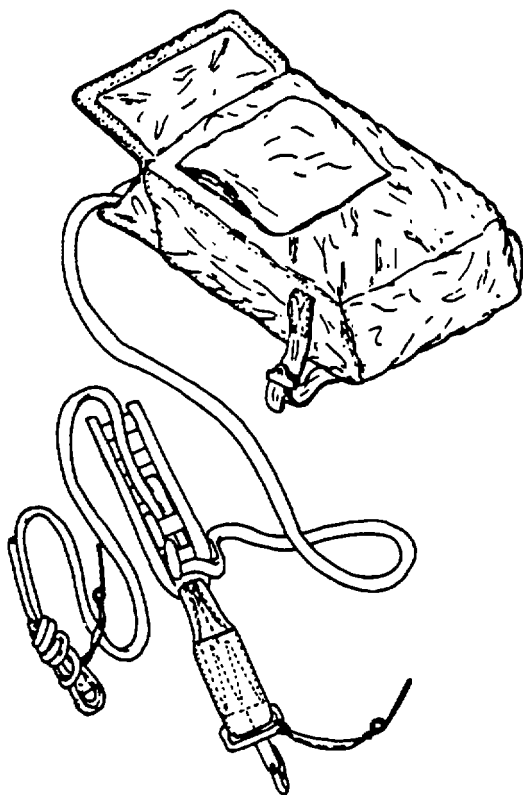
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Figure 1-1. Personnel/Cargo 500 Lb Capacity Lowering Device.

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CHAPTER 1

INTRODUCTION

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OVERVIEW

This chapter supplies both general and specific information about the Personnel/Cargo Lowering Device and provides equipment characteristics, purpose, and basic principles of operation.

Section I. GENERAL INFORMATION

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

a. Type of Manual. This manual provides operator and unit maintenance of Lowering Device, Personnel/Cargo, NSN 1670-00-999-0758. The manual also provides a repair parts and special tools list located in appendix C.

b. Equipment Name. Lowering Device, Personnel/Cargo, 500 Lb Capacity hereinafter referred to as the lowering device.

c. Purpose of Equipment. The lowering device (figure 1-1) is used to lower either personnel or cargo from an elevated position of 150 ft or less, at a controllable rate of descent. It was designed for a parachutist to use during air drop operations where a high risk of tree landings is anticipated, and for lowering cargo or personnel from a hovering helicopter.

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 (TAMMS) and DA PAM 738-751, The Army Maintenance Management System Aviation.

1-3. Reporting of Equipment Improvement Recommendations (EIR). If your lowering device needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design or performance. Put in on as SF368 Quality Deficiency Report (QDR). Mail it to us at: Commander, U.S. Army