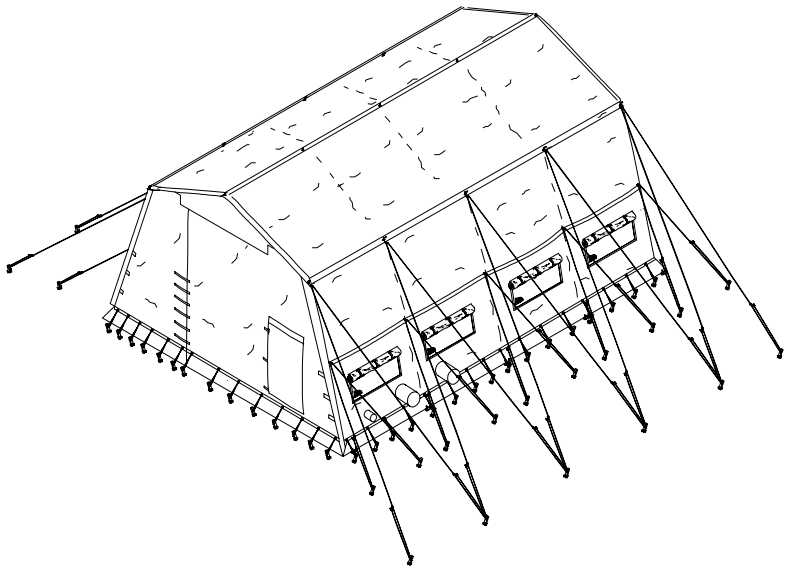
OPERATOR'S, UNIT, AND DIRECT SUPPORT MAINTENANCE MANUAL, INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST (RPSTL) FOR THE LIGHTWEIGHT MAINTENANCE ENCLOSURE (LME) TYPE I NSN 8340-01-456-3637 (GREEN) LIGHTWEIGHT MAINTENANCE ENCLOSURE (LME) TYPE I NSN 5410-01-512-6865 (DESERT TAN) LIGHTWEIGHT MAINTENANCE ENCLOSURE (LME) TYPE II NSN 5410-01-512-6867 (GREEN) LIGHTWEIGHT MAINTENANCE ENCLOSURE (LME) TYPE II NSN 5410-01-512-6868 (DESERT TAN)



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HEADQUARTERS, DEPARTMENT OF THE ARMY

31 MARCH 2004

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HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 31 MARCH 2004

TECHNICAL MANUAL

OPERATOR'S, UNIT, AND DIRECT SUPPORT MAINTENANCE MANUAL (INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST)

LIGHTWEIGHT MAINTENANCE ENCLOSURE (LME) TYPE I
NSN 5410-01-456-3637 (GREEN)
LIGHTWEIGHT MAINTENANCE ENCLOSURE (LME) TYPE I
NSN 5410-01-512-6865 (DESERT TAN)
LIGHTWEIGHT MAINTENANCE ENCLOSURE (LME) TYPE II
NSN 5410-01-512-6867 (GREEN)
LIGHTWEIGHT MAINTENANCE ENCLOSURE (LME) TYPE II
NSN 5410-01-512-6868 (DESERT TAN)

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 together with DA Form 2028 (Recommended Changes to Publications and Blank Forms), located in the back of this manual, directly to: Commander, U.S. Army Tank-automotive and Armament Command, ATTN: AMSTA-LC-CECT, Kansas Street, Natick, MA 01760-5052. You may also send in your recommended changes via electronic mail directly to amssbriml@natick.army.mil. A reply will be furnished to you. Instructions for sending an electronic 2028 may be found at the back of this manual immediately preceding the hard copy 2028.

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HOW TO USE THIS MANUAL

This manual contains General Information, Operating Instructions, Operator Preventive Maintenance Checks and Services (PMCS), Troubleshooting, and Maintenance/Repair instructions for the Lightweight Maintenance Enclosure (LME).

Chapter 1 contains introductory information on the LME and its associated equipment as well as Theory of Operation. Chapter 2 includes operating instructions under usual and unusual conditions. Chapter 3 contents include operator troubleshooting, and service procedures. Chapter 4 contains PMCS procedures, and operator maintenance instructions. Chapter 5 contains Unit Maintenance Instructions and repair procedures. Direct Support maintenance information can be found in Chapter 6. Chapter 7 contains references, other supporting information, and includes the Repair Parts and Special Tools List (RPSTL). The RPSTL identifies those parts or tools that are unique to the operation and maintenance of this equipment.

Manual Organization and Page Numbering System. The Manual is divided into seven major chapters that detail the topics mentioned above. Within each chapter there are work packages covering a wide range of topics. Each work package is numbered sequentially starting at page 1. The work package has its own page numbering scheme and is independent of the page numbering used by other work packages. Each page of a work package has a page number in the form of XXXX YY-ZZ, where XXXX is the work package number (e.g. 0010 is work package 10) and YY is the revision number for that work package and ZZ represents the number of the page within that work package. A page number such as 0010 00-1/(2 blank) means that page 1 contains information but page 2 of that work package has been intentionally left blank.

Finding Information. This manual has a master Table of Contents (TOC) on page i through iii and permits the reader to find information in the manual quickly. The reader should start here when looking for a specific topic. The master TOC lists the topics contained within a chapter and where it can be found.

Figures. Illustrations in this manual are not numbered when presented within maintenance instructions; they are located immediately following the paragraph, which contains their callouts. Only the RPSTL has illustrations that are numbered.

An Alphabetical Index is in the back of the manual, and lists specific topics with the corresponding work package.

A Glossary of terms is provided to explain terms and words that are unique to this equipment.

OPERATOR'S, UNIT, AND DIRECT SUPPORT MAINTENANCE
LIGHTWEIGHT MAINTENANCE ENCLOSURE (LME), TYPE I AND TYPE II
NSN 8340-01-456-3637, TYPE I (GREEN), NSN 5410-01-512-6865 (TAN)
NSN 5410-01-512-6867, TYPE II (GREEN), NSN 5410-01-512-6868 (TAN)
GENERAL INFORMATION

SCOPE

This manual contains equipment description, operating instructions, and maintenance procedures for the Lightweight Maintenance Enclosure (LME) Type I, Type II, the 8-Foot Extension Assembly Kit. It also includes references to publications that contain information on separately documented components of the LME Type I, Type II.

MAINTENANCE FORMS, RECORDS, AND REPORTS

Department of the Army forms and procedures used for equipment maintenance will be those prescribed by (as applicable) DA PAM 738-750, Functional Users Manual for the Army Maintenance Management System (TAMMS); DA PAM 738-751, Functional Users Manual for the Army Maintenance Management Systems – Aviation (TAMMS – A); or AR 700-138, Army Logistics Readiness and Sustainability.

REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR)

If your LME Type I, Type II or LME Extension kit 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 it on a Standard Form 368 (Product Quality Deficiency Report). Mail the report to:

Commander, U.S. Army Tank-automotive and Armament Command
ATTN: AMSTA-LC-R
Kansas Street, Natick, MA 01760-5052

We will send you a reply. Instructions for sending an electronic 2028 may be found in the back of this manual immediately preceding the hardcopy 2028.

HAND RECEIPT (HR) MANUALS

This manual has a companion document with a TM number followed by "-HR" (which stands for Hand Receipt). TM 10-5410-284-13&P-HR consists of preprinted hand receipts that list end item related equipment (i.e., COEI, BII and AAL) that must be accounted for. As an aid to property accountability, additional HR manuals may be requisitioned through normal publication channels.

CORROSION PREVENTION AND CONTROL (CPC)

Corrosion Prevention and Control (CPC) of U.S. Army materiel is a continuing concern. It is important that any corrosion problems with the LME Type I, Type II, or 8-ft Extension Assembly Kit be reported so that the problem can be corrected and improvements made to prevent the problem in future items. While corrosion is typically associated with the rusting of metals, it can also include deterioration of other materials, such as rubber and plastic. Unusual cracking, softening, swelling, or breaking of these materials may be considered a corrosion problem. If a corrosion problem is identified, report it using a Standard Form 368 Product Quality Deficiency Report. Using key words such as "corrosion," "rust," "deterioration," or "cracking" will assure that the information is identified as a CPC problem. This form should be submitted to:

Commander, U.S. Army Soldier System Command
Attn: AMSSB-RIM-E(N)
Kansas Street, Natick, MA 01760-5052