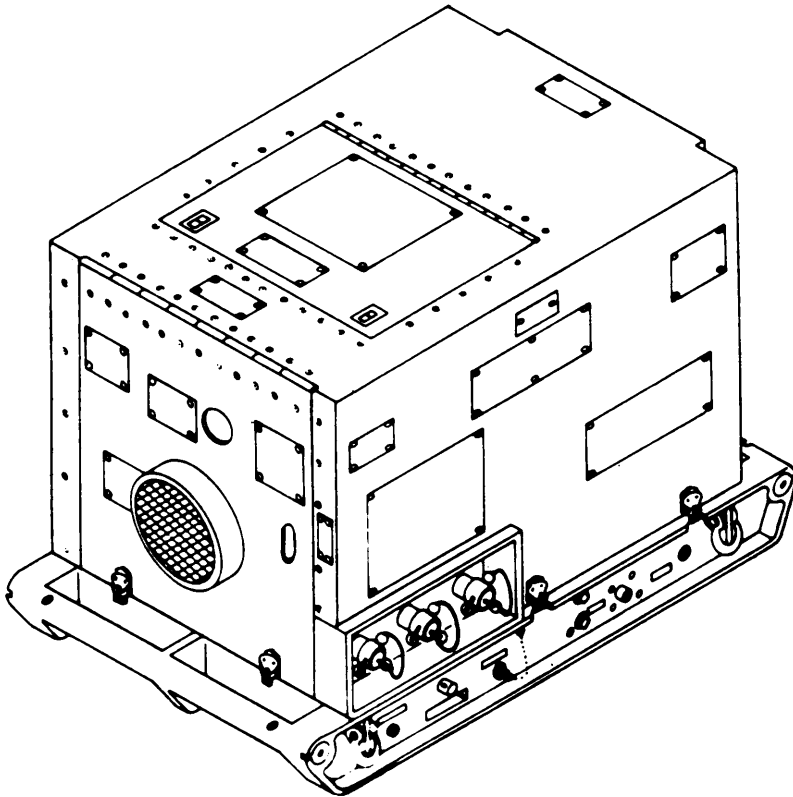


**OPERATOR'S, UNIT, DIRECT SUPPORT, AND,
GENERAL SUPPORT MAINTENANCE MANUAL**



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**SMALL MOBILE WATER CHILLER
Model LCW 2685 (4130-01-131-2685)
Model LCC 2685 (4130-01-315-7583)**

*This manual supersedes TM 5-4130-237-14, dated 11 December 1985, including changes 1 through 3; change 4 was superseded by TM 10-41 30-239-14, dated 14 November 1991.

Approved for public release; distribution is unlimited

HEADQUARTERS, DEPARTMENT OF THE ARMY

12 JUNE 1992

TECHNICAL MANUAL

No. 10-4130-237-14

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 12 JUNE 1992

**Operator's, Unit, Direct Support,
and General Support Maintenance Manual**

SMALL MOBILE WATER CHILLER
(4130-01-131-2685)
(4130-01-315-7583)

Approved for public release; distribution is unlimited.

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistake or if you know of away 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-MMTS, 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798. A reply will be furnished directly to you.

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HOW TO USE THIS MANUAL

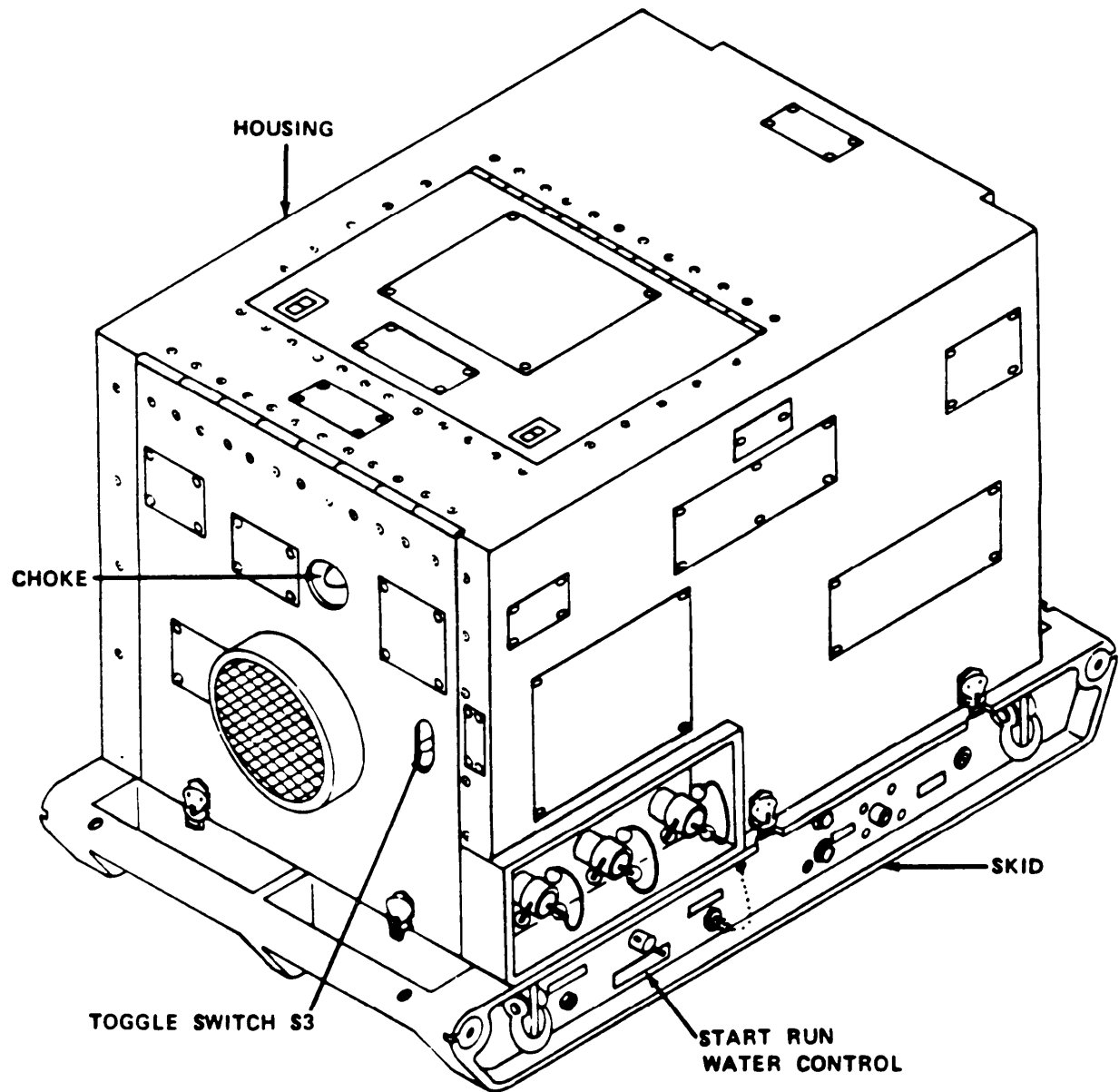
This manual is designed to help you operate and maintain the Small Mobile Water Chiller. The front cover table of contents is provided for quick reference to important information. There is also an index located in the final pages for use in locating specific items of information.

Measurements in the manual are given in both US standard and metric units. A metric to US standard conversion chart can be found on the inside back cover.

Read all preliminary information found at the beginning of each task. It has important information and safety instructions you must follow before beginning the task.

Warning pages are located in the front of this manual. You should read the warnings before operating or doing maintenance on the equipment.

A subject index appears at the beginning of each chapter listing sections that are included in that chapter. A more specific index is located at the beginning of each section to help you find the exact paragraph you're looking for.



CHAPTER 1 INTRODUCTION

Section I GENERAL INFORMATION

1-1. SCOPE. This manual contains operating instructions and operator's, organizational, direct support, and general support maintenance for the Small Mobile Water Chiller. The water chiller cools intake water to 60° F (16° C) and delivers it at 40 gallons (151 liters) per hour.

1-2. MAINTENANCE FORMS, RECORDS, AND REPORTS. 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).

1-3. DESTRUCTION OF ARMY MATERIEL TO PREVENT ENEMY USE. To prevent enemy use of the water chiller, follow instructions contained in TM 750-244-3.

1-4. PREPARATION FOR STORAGE OR SHIPMENT. See paragraph 4-38 for instructions on preparation for storage or shipment.

1-5. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR). If your water chiller 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. Put it on an SF 368 (Quality Deficiency Report). Mail it to us at: Commander, U.S. Army Troop Support Command, ATTN: AMSTR-MOF, 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798. We'll send you a reply.

Section II. EQUIPMENT DESCRIPTION AND DATA

1-6. EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES

a. Characteristics

- Powered by air-cooled, gasoline-driven engine
- Used on M149 series trailer