

TECHNICAL MANUAL

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

**OPERATING
INSTRUCTIONS**

**REFRIGERATION UNIT,
MECHANICAL: PANEL TYPE;
5000 BTU/ HR.
GASOLINE ENGINE DRIVEN (GED)
MODEL ER U-5G
(NSN 4110-01-076-1991)**

**OPERATOR
MAINTENANCE
INSTRUCTIONS**

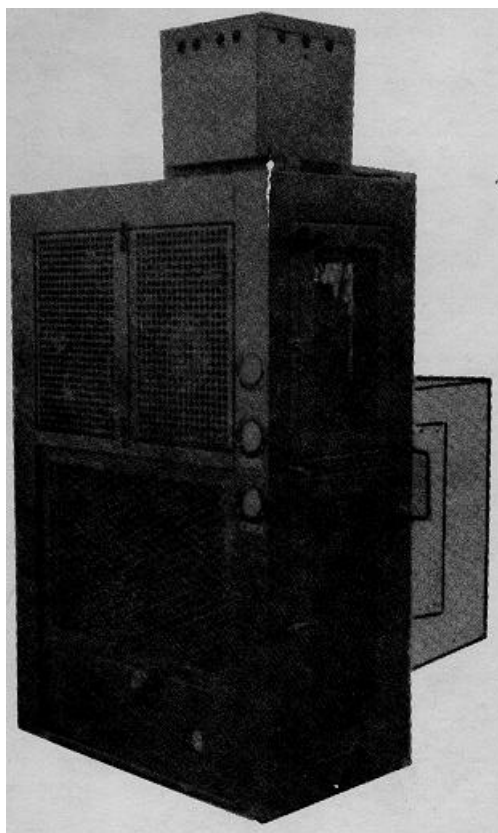
**ORGANIZATIONAL
MAINTENANCE
INSTRUCTIONS**

**DIRECT SUPPORT &
GENERAL SUPPORT
MAINTENANCE
INSTRUCTIONS**

REPAIR OF ENGINE

**REFRIGERATION
SYSTEM REPAIR**

**ELECTRIC MOTOR
CONVERSION KIT**



Operator's, Organizational, Direct Support, and General Support
Maintenance Manual

REFRIGERATION UNIT, MECHANICAL: PANEL TYPE;
5000 BTU/HR, GASOLINE ENGINE DRIVEN (GED)
MODEL ERU-5G
(NSN 4110-01-076-1991)

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistake 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 directly to: Commander, U.S. Army Troop Support Command, ATTN: AMSTR-MMTS, 4300 Goodfellow Blvd., St. Louis, Missouri 63120-1798. A reply will be furnished directly to you.

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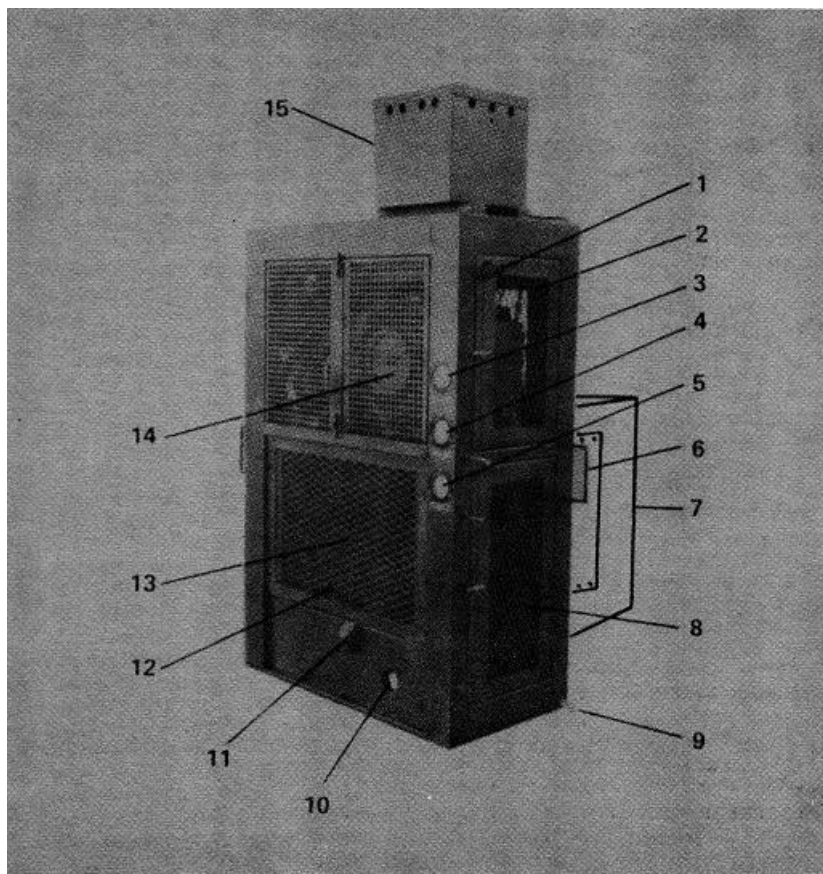
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CHAPTER 1 INTRODUCTION

Section I. GENERAL INFORMATION



- | | |
|----------------------------------|-------------------------------|
| 1. Engine Exhaust | 9. Evaporator Coil Drain Pipe |
| 2. Top Right Side Access Door | 10. Fuel Gauge |
| 3. Low Pressure Gauge | 11. Fuel Tank Cap |
| 4. High Pressure Gauge | 12. Condenser Grille |
| 5. Thermometer | 13. Condenser Coil |
| 6. Handles | 14. Front Access Door |
| 7. Evaporator Housing | 15. Battery Box |
| 8. Bottom Right Side Access Door | |

Figure 1-1. Refrigeration Unit, Model ERU-5G, Right Front View

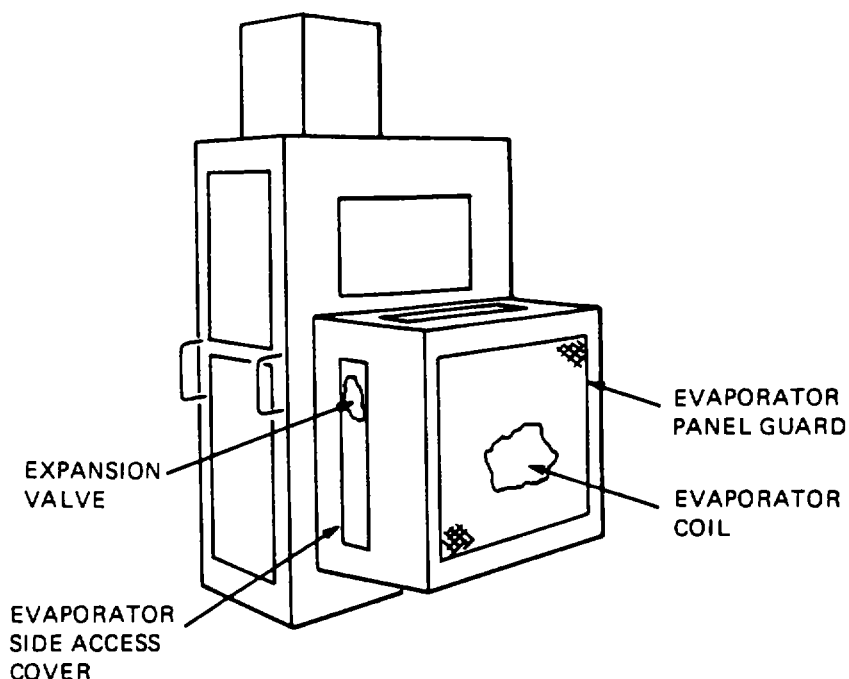


Figure 1-3. Refrigeration Unit, Model ERU-5G, right rear view

1.1. SCOPE

a. Type of Manual. Operator, Organizational, Direct Support and General Support Maintenance Manual.

b. Model Number and Equipment Name. Model ERU-5G, Refrigeration Unit, Mechanical: Panel type; 5000 BTU/HR, Gasoline Engine Driven (GED).

c. Purpose of Equipment. The refrigeration unit is used to cool air in a portable 150 cubic foot (4.25 cu meter) field container.

d. Special Limitations. Defrosting of the refrigeration unit is manual.

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).

1-3. DESTRUCTION OF ARMY MATERIEL TO PREVENT ENEMY USE

Command decision according to the tactical situation will determine when the destruction of the Refrigeration Unit will be accomplished. A destruction plan will be prepared by the using organization, unless one has been prepared by a higher authority. For general destruction procedures for this equipment, refer to TM 750-244-3, Procedures for Destruction of Equipment to Prevent Enemy Use.

1-4. PREPARATION FOR STORAGE OR SHIPMENT

See Chapter 4, Section II for storage and shipment information.

1-5. REPORTING EQUIPMENT RECOMMENDATIONS (EIR)

If your Refrigeration Unit 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. Tell us why a procedure is hard to perform. Put it on an SF 368 (Product Deficiency Report). Mail it to us at Commander, U.S. Army Troops Support Command, ATTN: AMSTR-MOF, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. We'll send a reply.