

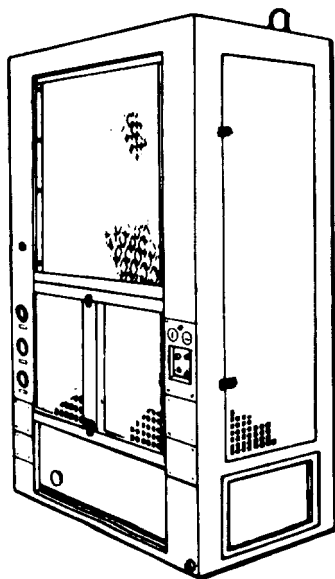
TECHNICAL MANUAL

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

REFRIGERATION UNIT,
MECHANICAL: PANEL TYPE;
10,000 BTU/HR

GASOLINE ENGINE DRIVEN
A.R.E. MODEL RGMD-K/I-10
(4110-01-120-4604)

ELECTRIC MOTOR DRIVEN
A.R.E. MODEL REMD-K/II-10
(4110-01-120-4605)



	Page
INTRODUCTION	1-1
OPERATING INSTRUCTIONS	2-1
OPERATOR'S MAINTENANCE INSTRUCTIONS	3-1
ORGANIZATIONAL MAINTENANCE INSTRUCTIONS	4-1
DIRECT SUPPORT MAINTENANCE INSTRUCTIONS	5-1
GENERAL SUPPORT MAINTENANCE INSTRUCTIONS	6-1
REFERENCES	A-1
COMPONENTS OF END ITEMS LIST	B-1
MAINTENANCE ALLOCATION CHART	C-1
ADDITIONAL AUTHORIZATION LIST	D-1
EXPENDABLE SUPPLIES AND MATERIALS LIST	E-1
INDEX	I-1

HEADQUARTERS, DEPARTMENT OF THE ARMY

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DEPARTMENT OF THE ARMY
Washington, D. C., 6 January 1984

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REPORTING OF 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) or DA Form 2028-2 located in the back of this manual direct to: Commander, U.S. Army Troop Support Command, ATTN: DRSTR-MCTS, 4300 Goodfellow Blvd. , St. Louis, Mo. 63120. A reply will be furnished to you.

TABLE OF CONTENTS

	Page
CHAPTER 1. INTRODUCTION	...1-1
Section I. General Information	1-1
Section II. Equipment Description Data	1-5
CHAPTER 2. OPERATING INSTRUCTIONS	2-1
Section I. Description and Use of Operator's Controls and Indicators	2-1
Section II. Preventive Maintenance Checks and Services (PMCS)	2-8
Section III. Operation Under Usual Conditions	2-12
Section IV. Operation Under Unusual Conditions	2-19
CHAPTER 3. OPERATOR'S MAINTENANCE INSTRUCTIONS	3-1
Section I. Lubrication Instructions	3-1
Section II. Operator's Troubleshooting	3-5
Section III. Operator's Maintenance , ,	3-9

	Page
CHAPTER 4. ORGANIZATIONAL MAINTENANCE INSTRUCTIONS	4-1
Section I. Repair Parts, Special Tools and Equipment	4-1
Section II. Service Upon Receipt of Materiel and Preparation for Movement	4-2
Section III. Preventive Maintenance Checks and Services (PMCS)	4-6
Section IV. Organizational Troubleshooting	4-11
Section V. Maintenance Procedures	4-17
CHAPTER 5. DIRECT SUPPORT MAINTENANCE INSTRUCTIONS	5-1
Section I. Repair Parts, Special Tools and Equipment ,	5-1
Section II. Troubleshooting	5-2
Section III. Maintenance Procedures	5-5
CHAPTER 6. GENERAL SUPPORT MAINTENANCE INSTRUCTIONS . . ,	6-1
Section I. General Information	6-1
Section II. Maintenance Procedures	6-2
APPENDIX A. REFERENCES	A-1
APPENDIX B. COMPONENTS OF END ITEMS LIST (COEIL)	B-1
Section I. Introduction	B-1
Section II. Components of End Items	B-2
APPENDIX C. MAINTENANCE ALLOCATION CHART	C-1
Section 1. Introduction, „.....	C-1
Section I 1. Maintenance Allocation Chart ,	C-3
Section III. Tool and Test Equipment Requirements	c-11
Section IV. Remarks	C-12
APPENDIX D. ADDITIONAL AUTHORIZATION LIST	D-1
Section I. introduction	D-1
Section II. Additional Authorization List	D-2
APPENDIX E. EXPENDABLE SUPPLIES AND MATERIALS LIST	E-1
Section I. Introduction	E-1
Section II. Expendable Supplies and Materials List	E-2
ALPHABETICAL INDEX	I-1

CHAPTER 1

INTRODUCTION

Section 1. GENERAL INFORMATION

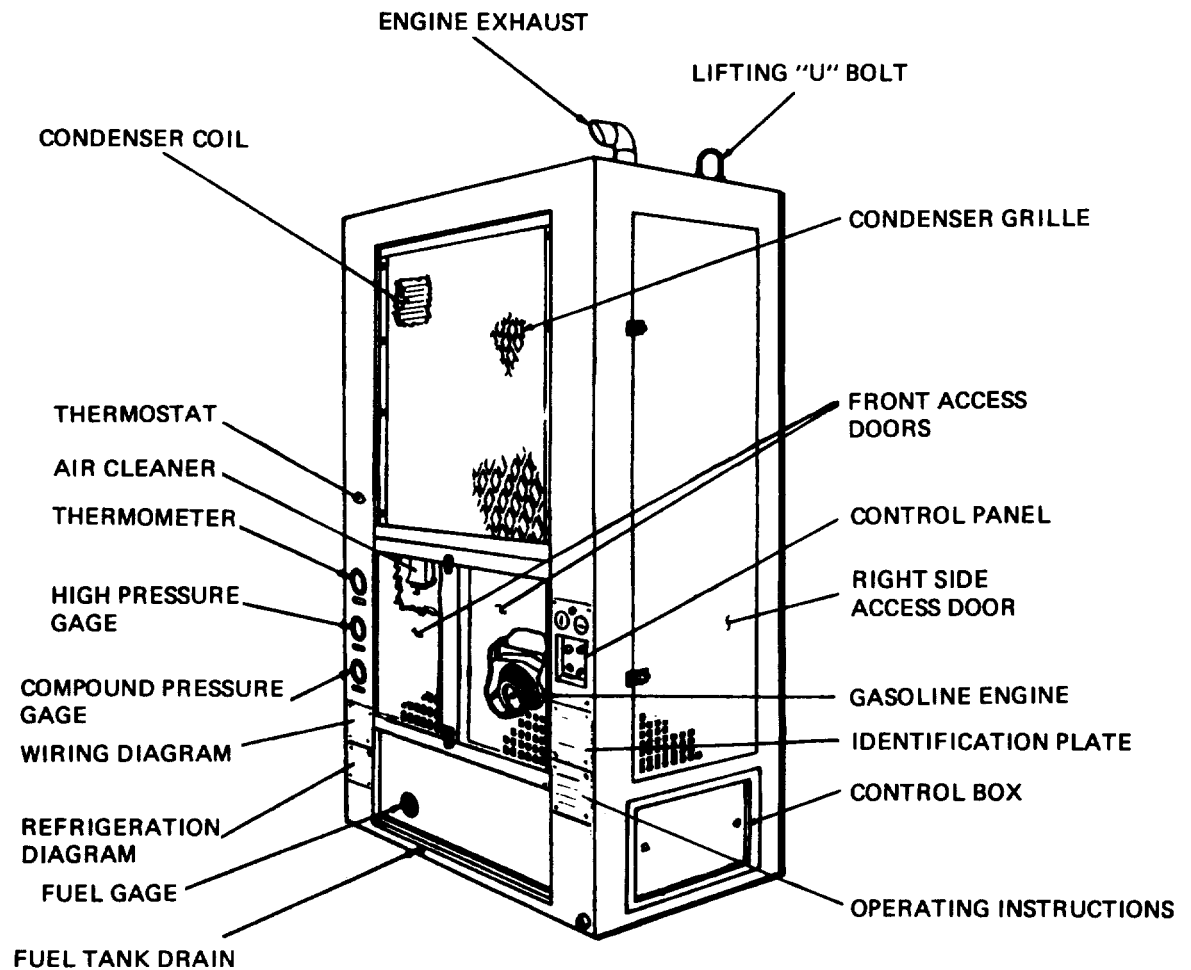


Figure 1-1. Refrigeration Unit Model RGMD-K/I-10, right-front view

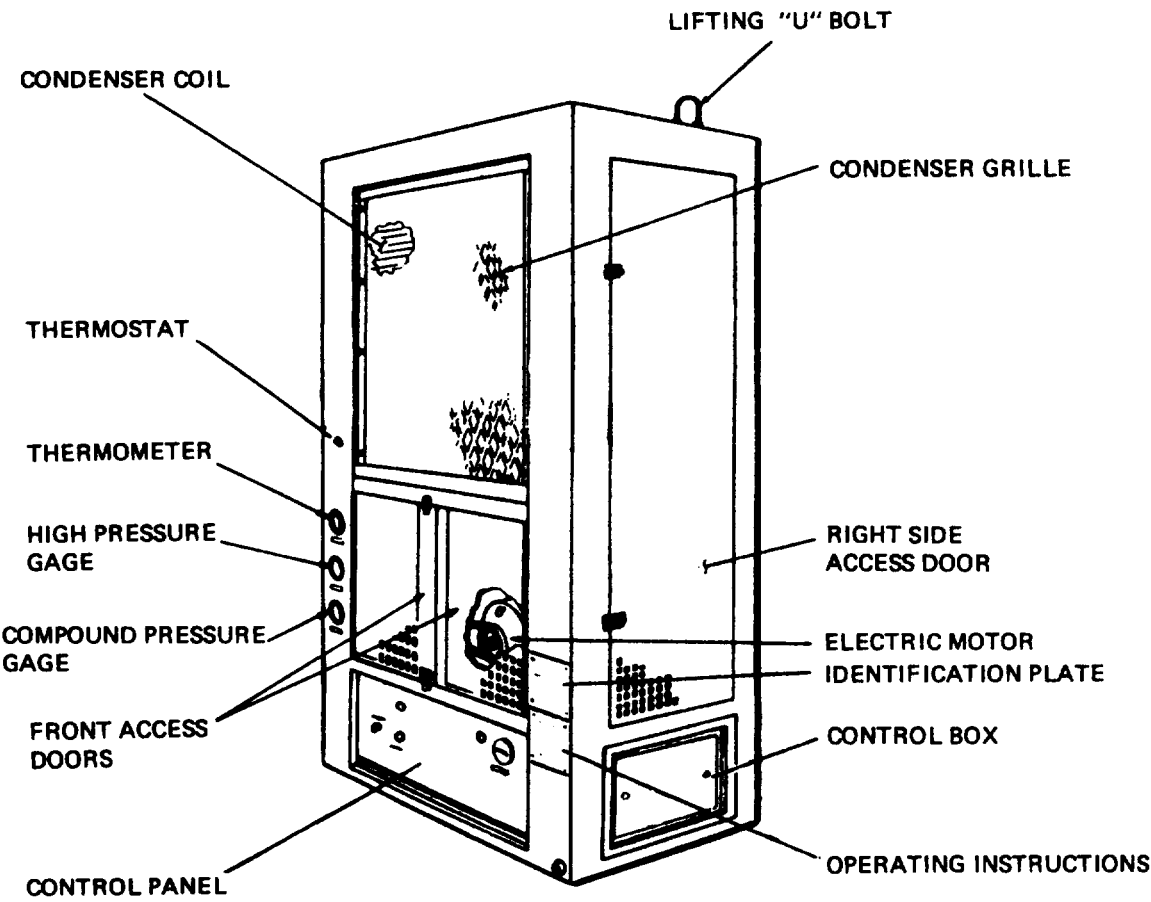


Figure 1-2. Refrigeration Unit Model REMD-K/11-10, right-front view

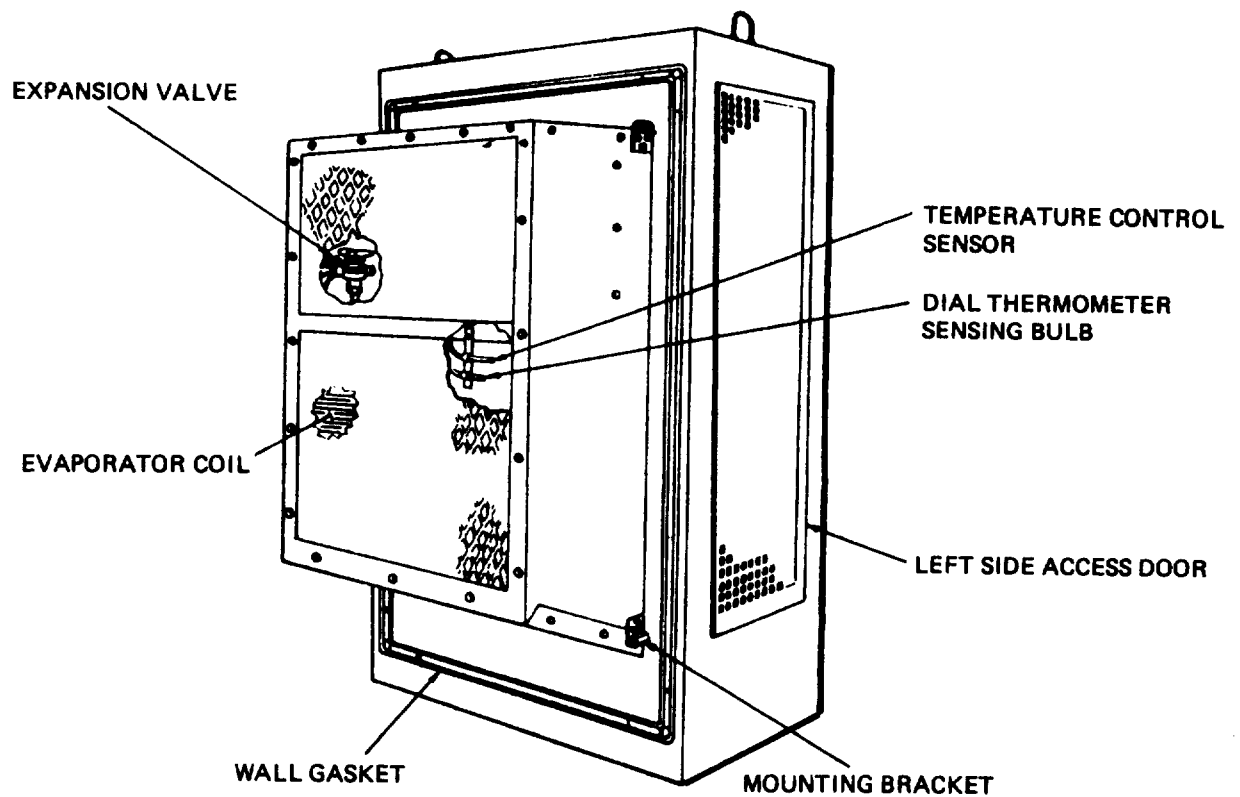


Figure 1-3. Refrigeration Unit, left-rear view

1-1. SCOPE

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

Model REMD-K/11-10 Refrigeration Unit, Mechanical: Panel Type; 10,000 BTU/HR Electric Motor Driven and Model RGMD-K/I -10 Gasoline Engine Driven.

c. Purpose of equipment. The refrigeration unit is used to cool a portable 600 cubic foot" (l 6.9 cu.meter) _ field container at either 0°F (-f7.78°C) to 35°F (1.67°C).

d.Special Feature. Defrosting of the refrigeration unit is activated by preselected time intervals on the defrost time clock.

1-2. MAINTENANCE FORMS, RECORDS AND REPORTS

Department of the Army forms and procedures used for equipment maintenance will be those prescribed by TM 38-750, The Army Maintenance Management System (TAMMS).

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

Procedures for destroying Army materiel to prevent enemy use are listed in TM 750-244-3.

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 EI R. 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 (Quality Deficiency Report). Mail it to us at Commander, U.S. Army Troop Support Command, ATTN: DRSTR-MCTS, 4300 Goodfellow Blvd., St. Louis, 63120. A reply will be furnished to you.

1-6. NOMENCLATURE CROSS-REFERENCE

<u>Common Name</u>	<u>Official Nomenclature</u>
Refrigeration Unit	Model REM D-K/I 1-10, Refrigeration Unit, Mechanical: Panel Type; 10,000 BTU/HR, Electric Motor Driven Model RGMD-K/I-10, Refrigeration Unit, Mechanical: Panel Type; 10,000 BTU/HR, Gasoline Engine Driven

1-7. LIST OF ABBREVIATIONS

ac	alternating current	fig.	figure	OD	outside diameter
BTU	British thermal units	ft	feet	oz	ounce
amps	amperes	hr	hour	para	paragraph
C	celcius	ID	inside diameter	psi	pounds per square inch
cm	centimeter	in.	inch	rpm	revolutions per minute
cu	cubic	kg	kilogram	v	volts
cfm	cubic feet per minute	lbs	pounds		
dc	direct current	min	minute		
F	farenheit	no.	number		