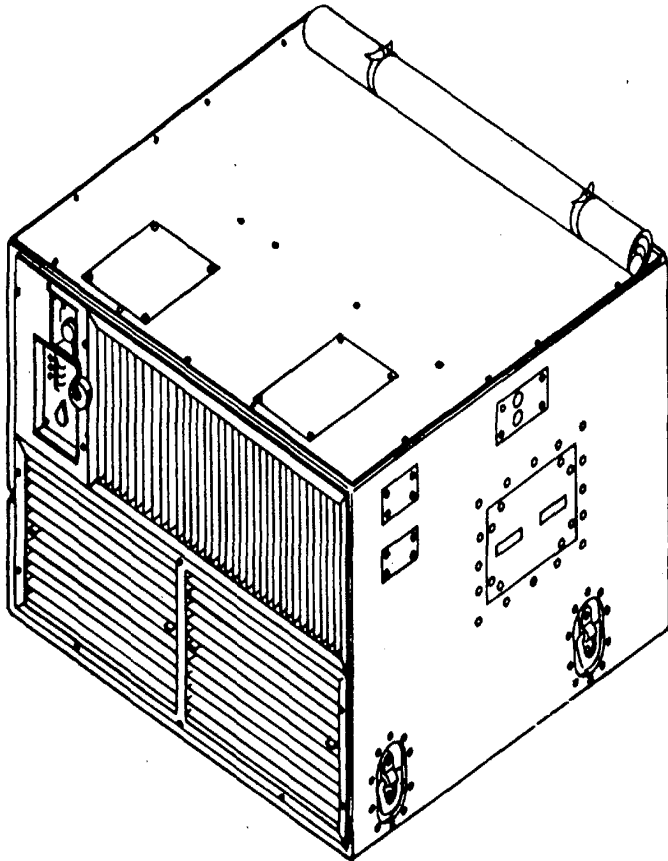


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TECHNICAL MANUAL
OPERATOR'S, UNIT,
DIRECT SUPPORT AND GENERAL
SUPPORT MAINTENANCE MANUAL



AIR CONDITIONER
HORIZONTAL, COMPACT,
36,000 BTU/HR, COOLING,
& 31,200 BTU/HR, HEATING
208 VOLT, 3 PHASE, 50/60-HERTZ
NSN 4120-01-219-8759

MODEL 3864

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*This manual supersedes TM 9-4120-389-14, dated 5 September 1990, including all changes.

HEADQUARTERS
DEPARTMENT OF THE ARMY
17 SEPTEMBER 1991

**OPERATOR' S UNIT,
DIRECT SUPPORT, AND GENERAL SUPPORT
MAINTENANCE MANUAL
FOR
AIR CONDITIONER, HORIZONTAL, COMPACT,
36,000 BTU/HR, COOLING & 31,200 BTU/HR, HEATING
208 VOLT, 3 PHASE, 50/60 HERTZ
NSN 4120-01-219-8759
MODEL NO. 3864**

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), or DA Form 2028-2 located in back of this manual direct to: Commander, US Army Aviation and Troop Command, ATTN: AMSAT-I-M P, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. A reply will be furnished to you.

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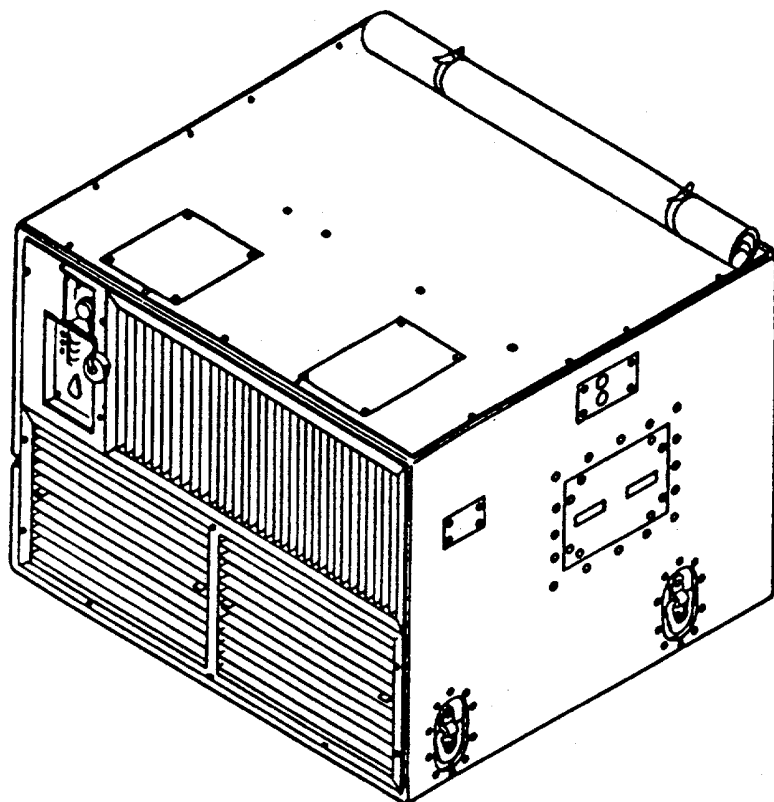
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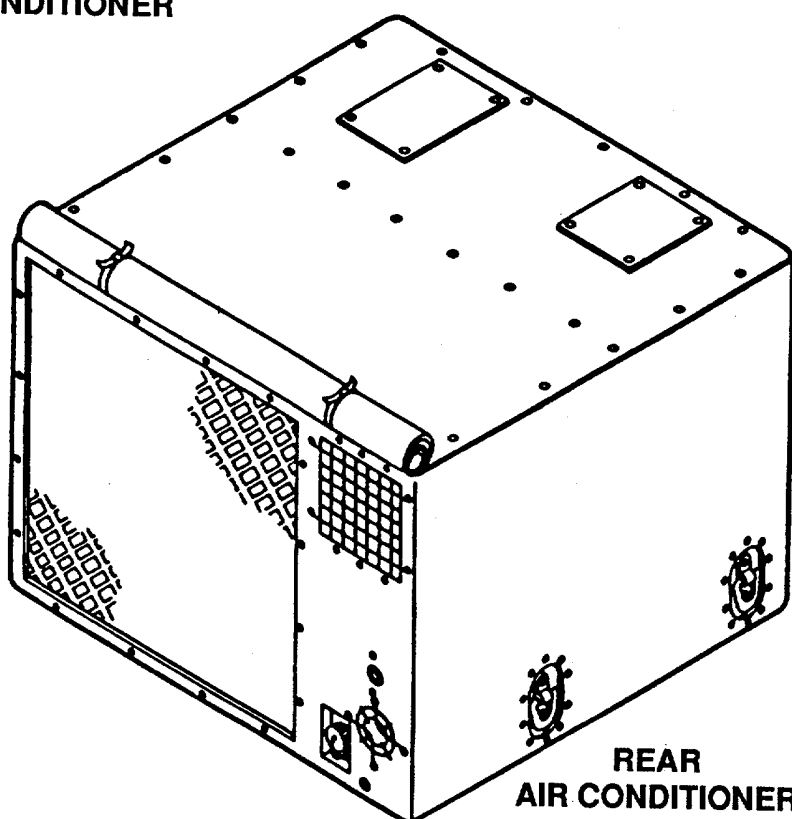
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**FRONT
AIR CONDITIONER**



**REAR
AIR CONDITIONER**

Figure 1-1. Air Conditioner

CHAPTER 1

INTRODUCTION

Section I GENERAL INFORMATION

1-1. SCOPE

- a. Type of Manual. Operator's, Unit, Direct Support, and General Support Maintenance Manual.
- b. Model Number and Equipment Name. Applied Companies Model 3864 Horizontal Compact, 36,000 BTU/HR, Cooling, 31,200 BTU/HR, Heating, 208 VAC, 3 Phase, 50/60 Hertz Air Conditioner.
- c. Purpose of Equipment. Cools, heats ventilates, and circulates enclosed spaces. The unit covered by this manual is designed for cooling and heating air to a desired predetermined range and circulating the conditioned air to provide heating and cooling of equipment or personnel within the conditioned area.

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. WARRANTY INFORMATION. REFER TO TB 9-4120-389-24.

1-4. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR's).

If your Air Conditioner 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 SF 368 (Quality Deficiency Report). Mail it to us at Commander, Headquarters, U.S. Army Troop Support Command, Attention: AMSTR-MOF, 4300 Goodfellow Boulevard, St. Louis, Missouri 63120-1798. We will send you a reply.