

**TECHNICAL MANUAL**

**OPERATOR, ORGANIZATIONAL, DIRECT SUPPORT  
AND GENERAL SUPPORT MAINTENANCE MANUAL  
AIR CONDITIONER, VERTICAL COMPACT, 6,000 BTU  
115 VOLTS, SINGLE PHASE, 60 HERTZ  
(WEDJ MODEL VM 6000-115)  
NSN 4120-00-935-1608**

**AIR CONDITIONER, VERTICAL COMPACT, 6,000 BTU  
208 VOLTS, THREE PHASE, 400 HERTZ  
(WEDJ MODEL VM 6000-208)  
NSN 4120-00-935-1607**

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This copy is a reprint which includes current  
pages from Changes 1 through 4.

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**HEADQUARTERS, DEPARTMENT OF THE ARMY**

**30 JULY 1979**

**OPERATOR, ORGANIZATIONAL,  
DIRECT SUPPORT AND GENERAL SUPPORT  
MAINTENANCE MANUAL  
AIR CONDITIONER, VERTICAL COMPACT,  
6,000 BTU, 115 VOLT, SINGLE PHASE, 50/60 HERTZ  
(WEDJ MODEL VM 6000-115)  
NSN 4120-00-935-1608  
AIR CONDITIONER, VERTICAL COMPACT  
6,000 BTU, 206 VOLT, THREE PHASE, 400 HERTZ  
(WEDJ MODEL VM 6000-400)  
NSN 4120-00-935-1607**

### 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 direct to: Commander, U.S. Army Troop Support Command, ATTN: AMSTR-MCTS, 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798. A reply will be furnished directly to you.

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## CHAPTER I. INTRODUCTION

### Section I. General

#### 1-1 Scope.

a. This manual describes the 6,000 BTU/HR, single phase, 60 hertz and 6,000 BTU/HR, three phase, 400 hertz air conditioners manufactured by WEDJ, Inc. It covers the installation, operation, organizational, direct, and general support maintenance of the equipment.

b. Appendix A contains a list of publications applicable to this manual.

c. Numbers in parenthesis following nomenclature callouts on illustrations indicate quantity. Numbers preceding nomenclature callouts indicate preferred maintenance sequence.

d. Equipment maintenance forms and procedures for their use are contained in TM 38-750, The Army Maintenance Management System (TAMMS).

e. EIR's will be prepared on DA Form 2407, Maintenance Request. Instructions for preparing EI R's are provided in TM 38-750, The Army Maintenance Management System. EI R's should be mailed directly to Commander, U.S.A. Support and Aviation Materiel Readiness Command, ATTN: DRSTS-MEM, 4300 Goodfellow Blvd., St. Louis, MO 63120.

#### 1-2. Record and Report Forms.

a. DA Form 2258 (Depreservation Guide of Engineer Equipment).

b. Maintenance forms, records, and reports which are to be used by maintenance personnel at all maintenance levels are listed in and prescribed by TM 38-750.

#### 1-3. Equipment Serviceability Criteria.

For equipment serviceability criteria, refer to technical manual TM 54120- -ESC.

#### 1-4. Destruction of Materiel to Prevent Enemy Use.

Demolition and destruction of equipment will be under the direction of the commander and in accordance with TM 760-244-3.

#### 1-5. Administrative Storage.

For procedures, forms and records, and inspections required during administrative storage of this equipment, refer to TM 740-801.

### Section II. DESCRIPTION AND TABULATED DATA

#### 1-6. Description.

a. General. The air conditioner (fig. 1-1) is used primarily in van type enclosures for providing filtered, conditioned, or heated air as required to maintain service renditions necessary for the efficient operation of electronic equipment and for the comfort of operating personnel housed within the specified vans. It is a completely self-contained, air cooled, electric motor driven unit designed for continuous operation with varying loads. It is equipped with internal ducting to the low side of the evaporator fan so that ventilation air and air from the chemical and biological filter unit may be supplied by the evaporator fan.

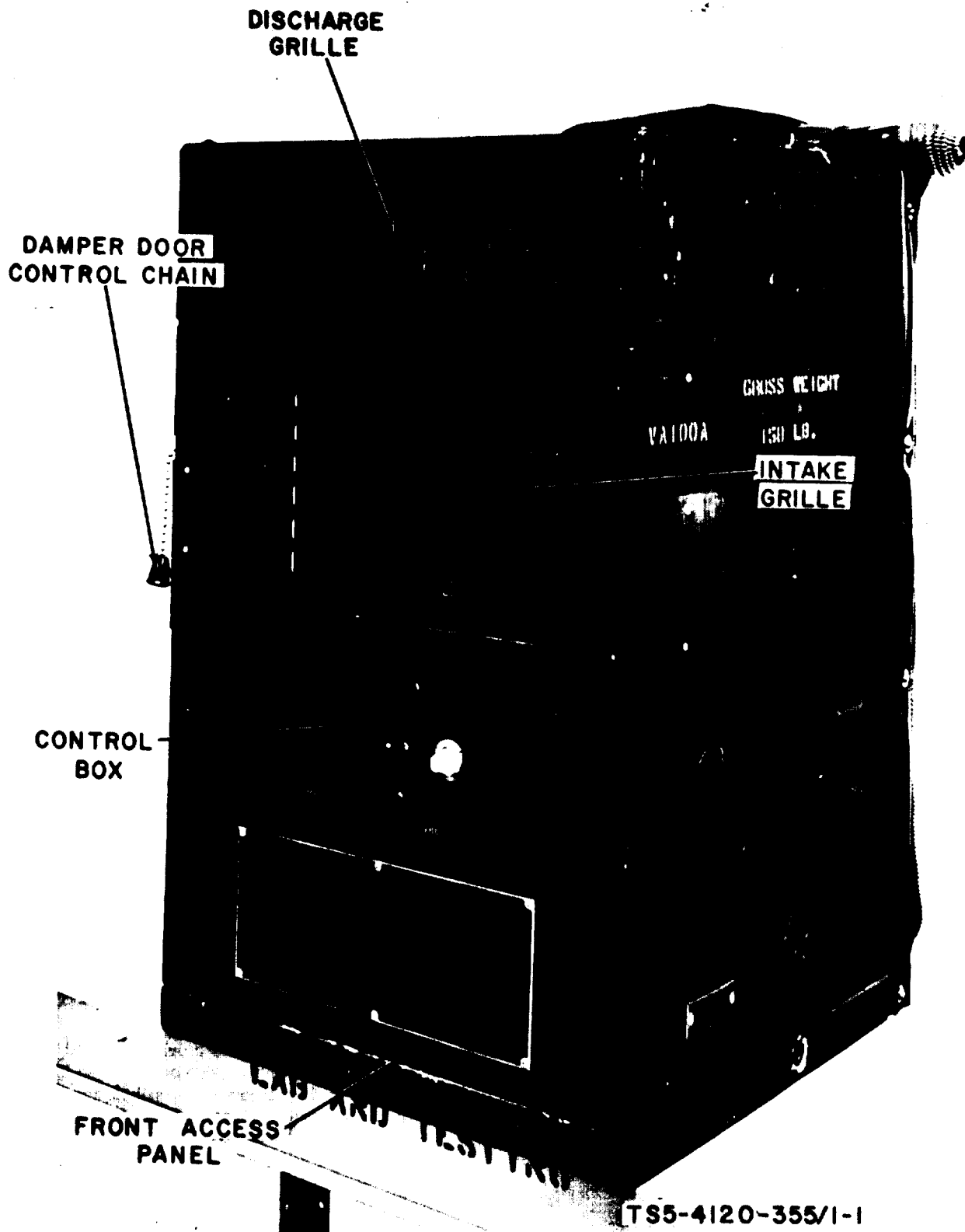


Figure 1-1. Air Conditioner, Left Front Three-Quarter View.

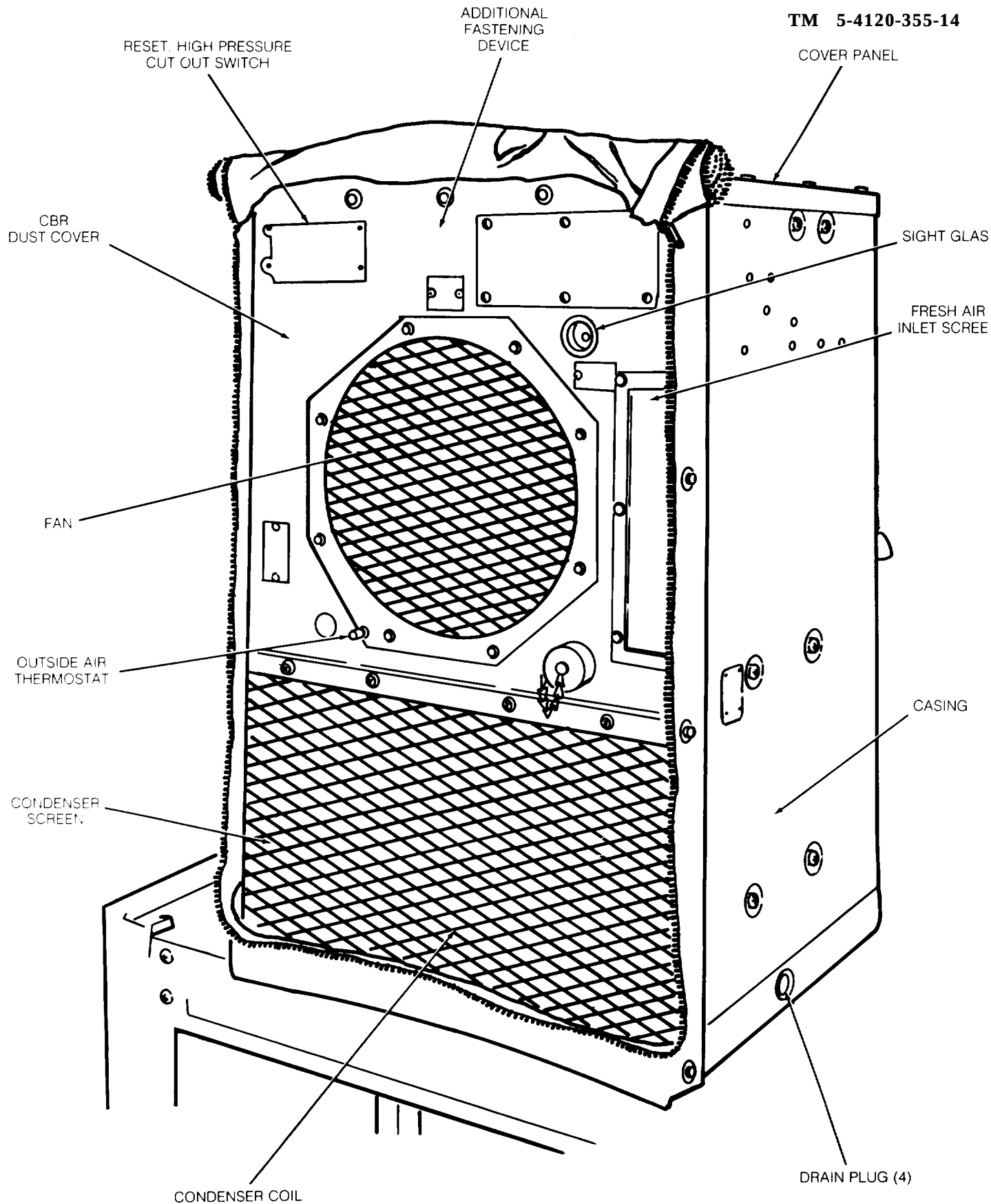


Figure 1-2. Air Conditioner, Right Rear Three-Quarter View