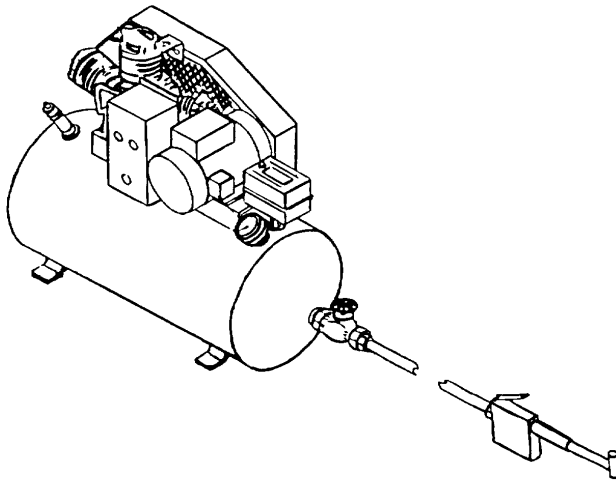


**OPERATOR'S, ORGANIZATIONAL,
DIRECT SUPPORT AND GENERAL
SUPPORT MAINTENANCE MANUAL**



**COMPRESSOR UNIT, RECIPROCATING
ELECTRIC
5 CFM, 175 PSI
(4310-01-089-4330)**

**HEADQUARTERS, DEPARTMENT OF THE ARMY
16 MAY 1981**

INTRODUCTION

**OPERATING
INSTRUCTIONS**

**OPERATION
MAINTENANCE
INSTRUCTIONS**

**ORGANIZATIONAL
MAINTENANCE**

**DIRECT AND
GENERAL
SUPPORT
MAINTENANCE**

**MAINTENANCE
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OPERATOR, ORGANIZATIONAL, DIRECT SUPPORT
AND GENERAL SUPPORT MAINTENANCE MANUALCompressor Unit, Reciprocating Electric
5 CFM 175 PSI Model 50-6715
NSN 4310-01-089-4330REPORTING OF ERRORS

You can help improve this manual by calling attention to errors and by recommending improvements and stating your reasons for the recommendations. Your letter or DA Form 2028, Recommended Changes to Publications, should be mailed directly to US Army Troop Support Command, Attn: AMSTR-MCTS, 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798. A reply will be furnished to you.

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CHAPTER 1

INTRODUCTION

Section I. GENERAL INFORMATION

1-1. SCOPE. Type of Manual: Operator's, Organizational, Direct and General Support Maintenance for Eclipse Reciprocating Compressor Unit, Model 50-6715.

1-2. MAINTENANCE FORMS AND RECORDS. The 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. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR's). The EIR's can and must be submitted by anyone who is aware of an unsatisfactory condition with equipment design or use. It is not necessary to show a new design or list a better way to perform a procedure, just simply tell why the design is unfavorable or why a procedure is difficult. EIR's may be submitted on SF 368 (Quality Deficiency Reports). Mail EIR's directly to: Commander, US Army Troop Support Command: AMSTR-QX, 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798. A reply will be furnished to you.

1-4. DESTRUCTION OF ARMY MATERIAL TO PREVENT ENEMY USE. Refer to TM 750-244-3 for destruction requirements.

1-5. HAND RECEIPT MANUAL. Hand receipts for the End Item/Components of End Item (COEI), Basic Issue Items (BII), and Additional Authorization List (AAL) items are published in a Hand Receipt Manual. The Hand Receipt Manual numerical designation is the same as the related Technical Manual with letters HR added to the number. These manuals are published to aid in property accountability and are available through Commander, US Army Publications Center, 2800 Eastern Blvd., Baltimore, MD 21220-2896.

1-6. PREPARATION FOR STORAGE AND SHIPMENT. Administrative storage of the Air Compressor shall conform generally with the provisions of TM 740-90-1, Administrative Storage of Equipment.

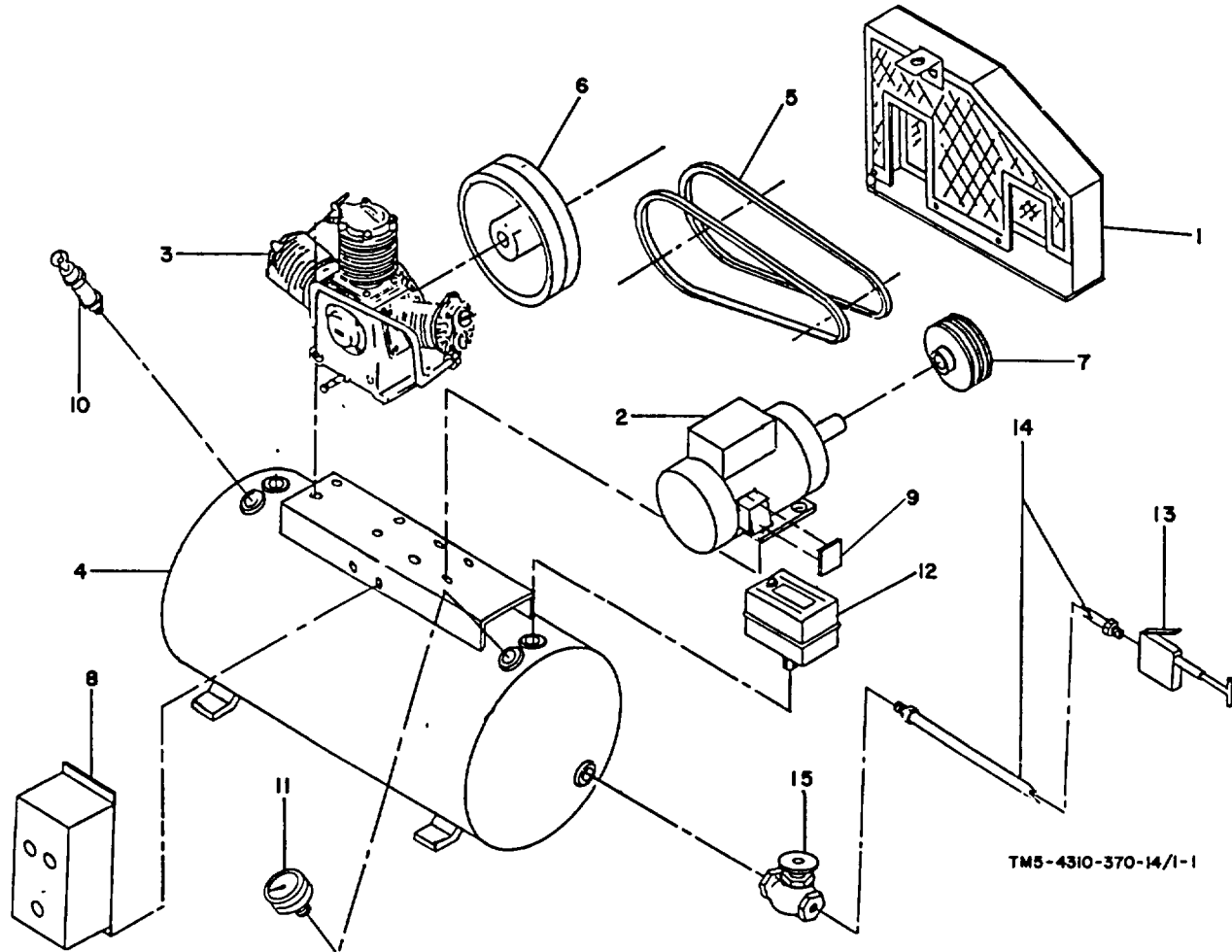
Section II. EQUIPMENT DESCRIPTION

1-7. DESCRIPTION. The Compressor Unit, Model 50-6715 is a stationary compressor unit intended for use as a source of compressed air in the normal operations conducted at filling stations and vehicle maintenance shops. The major components, indicators, safety apparatus, and essential operating items are shown in Figure 1-1.

1-8. TABULATED DATA.

a. Major Identification Plates

- (1) The manufacturer's plate(s) is located on the rear of the air receiver mounting bracket below the compressor pump and includes the serial number, contract number, type of compressor, CFM/PSI, manufacturer FSCM, model number, date of manufacture, and National Stock Number.
- (2) The motor plate located on the side of the motor body denotes make, model, frame size, h.p., rpm., ft. lbs. of torque, full load current, and serial number.



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- | | | |
|--------------------|-------------------------|------------------------|
| 1. Belt Guard | 6. Flywheel | 11. Pressure Gage |
| 2. Motor | 7. Motor Pulley | 12. Pressure Switch |
| 3. Compressor Pump | 8. Starter Switch | 13. Inflater Gage |
| 4. Air Receiver | 9. Junction Box Cover | 14. Inflater Gage Hose |
| 5. V Belts | 10. Safety Relief Valve | 15. Globe Valve |

FIGURE 1-1. COMPONENT IDENTIFICATION

- (3) The Air Receiver Plate is located on the air receiver and lists manufacturer's name, National Board Number, model number, year of manufacture, and working pressure.

b. Tabulated Data, Operator Maintenance

WEIGHTS AND DIMENSIONS

Weight	390 lbs.	(177.3 kg)
Length, Overall	48 in.	(121.9 cm)