

TECHNICAL MANUAL
OPERATOR, ORGANIZATIONAL, DIRECT AND
GENERAL SUPPORT MAINTENANCE MANUAL
COMPRESSOR, AIR
RECIPROCATING, ELECTRIC MOTOR DRIVEN
RECEIVER MOUNTED, 2 HP, 5 CFM, 175 PSI
INGERSOLL-RAND MODEL CM234F2
(NSN 4310-00-604-4368)

**This copy is a reprint which includes current
pages from Change 1.**

TECHNICAL MANUAL }

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HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C. 30 June 1976**OPERATOR, ORGANIZATIONAL, DIRECT AND
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RECEIVER MOUNTED, 2 HP, 5CFM, 175 PSI
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(NSN 4310-00-604-4368)****REPORTING OF ERRORS**

You can help to improve this manual by calling attention to errors and by recommending improvements. Your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms) and/or DA Form 2028-2 (Recommended Changes to Equipment Technical Manuals), may be used. Copies of DA Form 2028-2 are attached in the back of the manual for your use. Please mail your recommended changes directly to Commander, U. S. Army Troop Support Command, ATTN: DRSTS-MPP, 4300 Goodfellow Blvd., St. Louis, Missouri 63120. A reply will be furnished directly to you.

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CHAPTER 1 INTRODUCTION

Section I. GENERAL

1-1. Scope

This manual is published for use by the personnel responsible for the operation and maintenance of the Air Compressor, Reciprocating, Electric Motor Driven, Receiver Mounted, 2 H. P., 5 CFM, 175 PSI (Ingersoll-Rand Model CM234F2) (Fig. 1-1 and 1-2). It provides all necessary information on operation and maintenance of the equipment, with description and function of main units in relationship to other components.

1-2. Maintenance Forms and Records

Maintenance forms and records that you are required to use are as follows:

- a. DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
- b. DA Form 2407 (Maintenance Request Used for Requesting Support Maintenance).
- c. DA Form 2407-1 (Continuation Sheet Used for Requesting Support Maintenance).
- d. For further information, refer to TM 38-750, the Army Maintenance Management System (TAMMS).

1-2.1. Hand Receipt

Hand receipt for the End/Component of End Item (COEI), Basic Issue Items (B11) 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 the letters HR added to the number. These manuals are published to aid in property accountability and are available through: Commander, U. S. Army Adjutant General Publication Center, ATTN: AGDL-OD. 1655 Woodson Road, St. Louis, MO 63114.

1-3. Equipment Serviceability Criteria (ESC)

"This equipment is not covered by an ESC."

1-4. Destruction of Army Equipment to Prevent Enemy Use.

a. Place as many of the following charges as the situation permits and detonate them simultaneously with detonating cord and suitable detonator.

(1) One 1/2-pound (.22 kilogram (kg)) charge between the compressor and the air receiver tank.

NOTE

The above step is a minimum requirement for this method.

(2) One 1/2-pound (.22 kg) charge between the engine or motor and the air receiver tank.

b. For further information refer to TM 750-244-3, Procedures for Destruction of Equipment to Prevent Enemy Use.

1-5. Administrative Storage

a. Store equipment so as to provide maximum protection from the elements and to provide access for inspection, maintenance, and exercising. Anticipate removal or deployment problems and take suitable precautions. For example, strategically locate recovery vehicles, snowplows, slave units, and similar items, likely to be needed on short notice.

b. Take into account environmental conditions, such as extreme heat or cold; high humidity; blowing sand, dust, or loose debris; soft ground; mud; heavy snows; earthquakes; or combinations thereof and the adequate precautions.

c. Establish a fire plan and provided for adequate firefighting equipment and personnel.

d. For further information, refer to TM 740-90-1, Administrative storage.

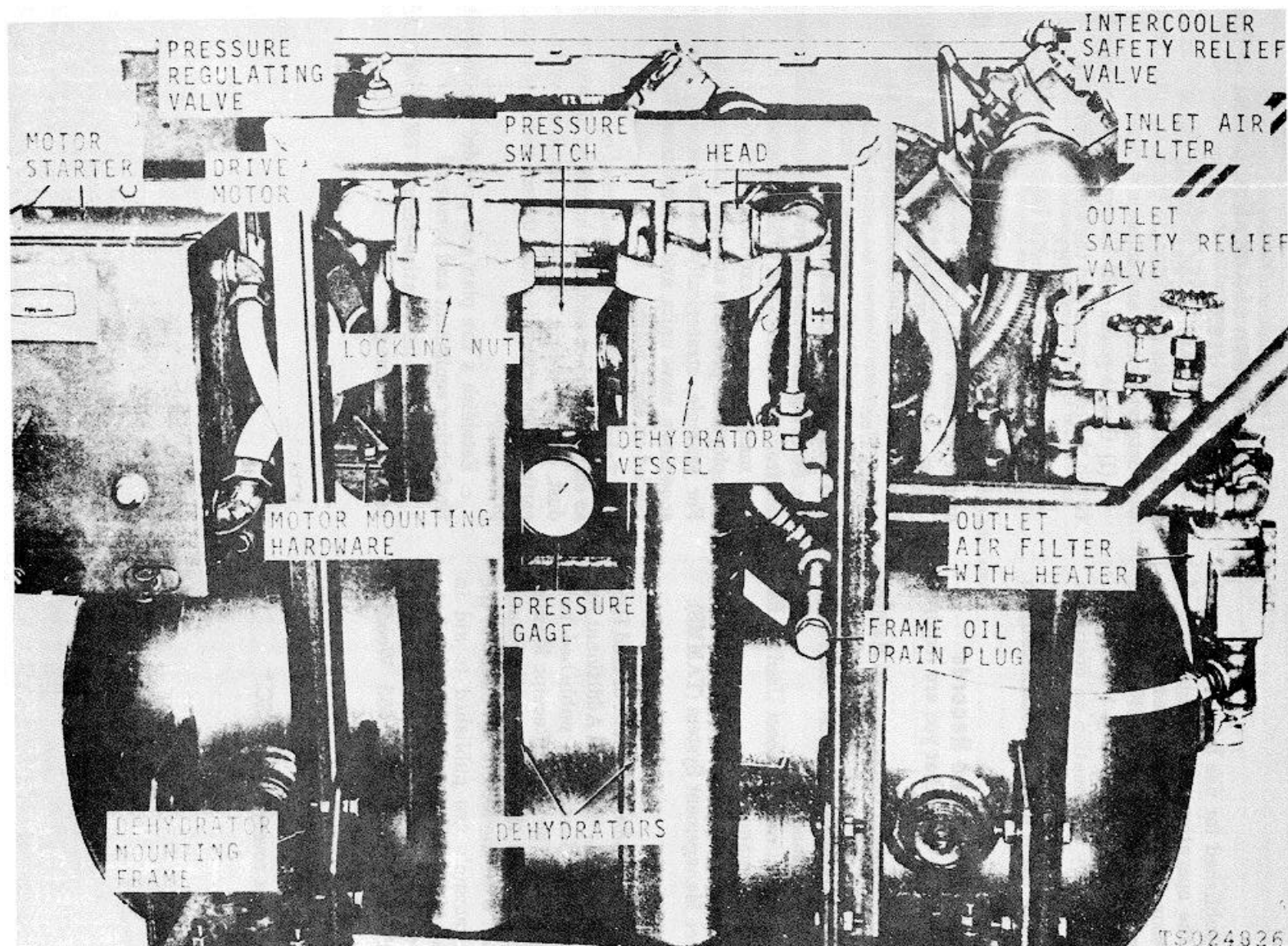


Figure 1-1. Air compressor, front view.