

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

TECHNICAL MANUAL

DIRECT SUPPORT AND GENERAL SUPPORT

MAINTENANCE MANUAL

COMPRESSOR, AIR, RECIPROCATING, POWER DRIVEN

15 CFM, 3500 PSI, 4-WHEEL MOUNTED,

WINTERIZED (STEWART-WARNER MODEL 12021A)

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CHAPTER 1

INTRODUCTION

Section I. GENERAL

1-1. Scope

This manual covers information for the direct and general support personnel responsible for the removal, installation, maintenance and repair of the Compressor, Air, Reciprocating, Power Driven, 15 CFM (cubic feet per minute), 3500 PSI (pounds per square inch), 4 Wheel Mounted Winterized manufactured by Stewart-Warner Corporation. It contains a description of the major units and their functions and instructions on the repair and maintenance of the compressor as a unit.

1-2. Forms and Records

Maintenance forms, records and reports which are to be used by maintenance personnel at all

maintenance levels are listed in and prescribed in TM 38-750.

1-3. Equipment Serviceability Criteria

For. serviceability criteria refer to TM 5-4300-208-ESC.

1-4. Recommendation for Maintenance Publications Improvements. You can help to improve this manual by calling attention to errors and by recommending improvements. Your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) should be mailed direct to Commander, US Army Troop Support Command, ATTN: AMSTS-MPP, 4300 Goodfellow Boulevard, St. Louis, MO 63120. A reply will be furnished direct to you.

Section II. DESCRIPTION AND DATA

1-5. Description

The Stewart-Warner Air Compressor, Model 12021A (fig. 1-1, 1-2 and 1-3) is a reciprocating 4-wheel mounted gasoline engine driven, 15 CFM, 3500-PSI unit designed

for the general purpose of charging missile and flame thrower bottles. The unit is easily moved from one location to another with the use of a prime mover.

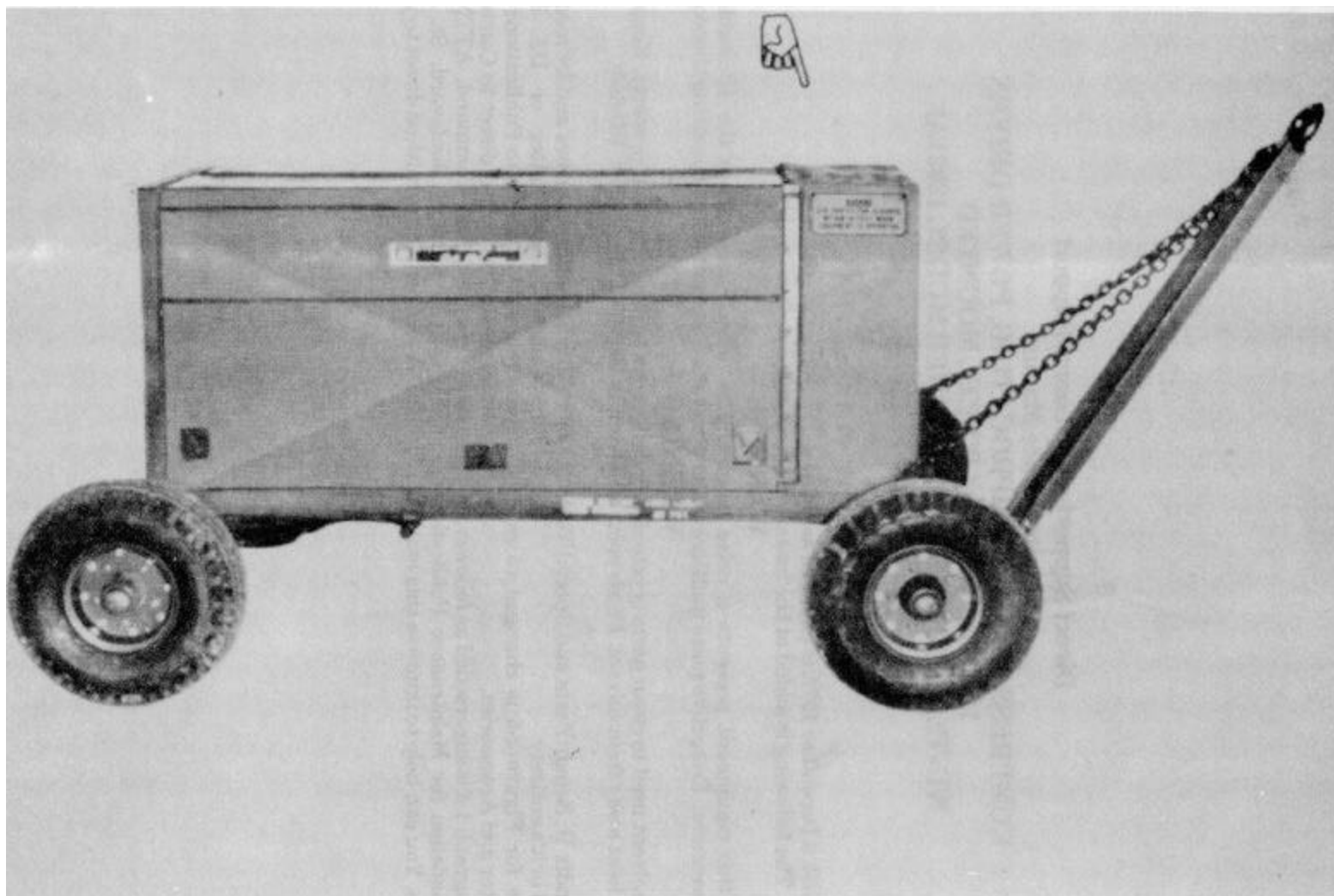


Figure 1-1. Air compressor.

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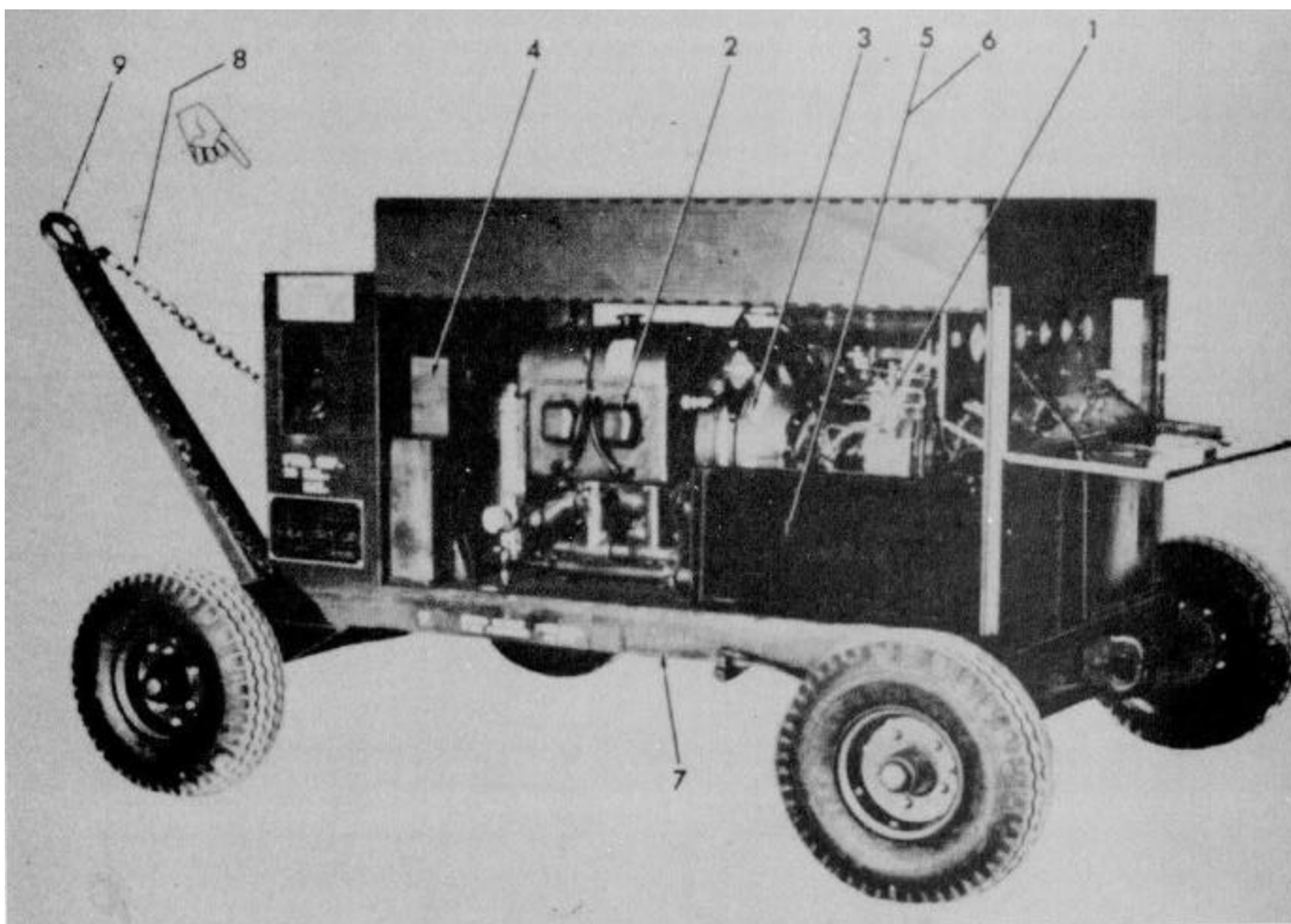


Figure 1-2. Air compressor, three-quarter left rear view.

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