

TM 5-4310-270-15

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

OPERATOR AND ORGANIZATIONAL
DIRECT AND GENERAL SUPPORT AND DEPOT
MAINTENANCE MANUAL
COMPRESSOR, ROTARY, POWER DRIVEN, AIR,
TWO IMPELLER, WHEELBARROW
FRAME MOUNTED, TWO PNEUMATIC TIRES,
GASOLINE ENGINE 60 CFM, 6.5 P.S.I.
(FULLER MODEL 2MSWB)
FSN 4310-906-8994

HEADQUARTERS, DEPARTMENT OF THE ARMY

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DEPARTMENT OF THE ARMY
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**Operator And Organizational
 Direct And General Support And Depot
 Maintenance Manual**

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 TWO IMPELLER, WHEELBARROW
 FRAME MOUNTED, TWO PNEUMATIC TIRES, GASOLINE
 ENGINE 60 CFM, 6.5 P.S.I.
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CHAPTER 1

INTRODUCTION

Section I. GENERAL

1-1. Scope

a. These instructions are published for use by personnel to whom rotary compressor is issued. Chapters 1 through 3 provide information on operation, preventive maintenance services, and organizational maintenance of equipment, accessories, components, and attachments. Chapter 4 provides information for direct and general support and depot maintenance. Also included are descriptions of main units and their functions in relationship to other components.

b. Appendix A contains a list of publications applicable to this manual. Appendix B contains the list of basic issue items authorized, the operator of this equipment and the list of maintenance and operating supplies required for initial operation. Appendix C contains the maintenance allocation chart. Organizational, direct and general support and depot maintenance repair parts and special tools are listed in TM 5-4310-270-25P.

c. Numbers in parentheses following nomenclature callouts on illustrations indicate

quantity; numbers preceding nomenclature callouts indicated preferred sequence,

d. Direct reporting of errors, omissions and recommendations for improving this equipment manual by the individual user is authorized and encouraged. Prepare DA Form 2028 (Recommended Changes to DA Publications) for this purpose, using pencil, pen or typewriter, and forward direct to Commanding General, U.S. Army Mobility Equipment Command, ATTN: AMSME-MP 4300 Goodfellow Blvd., St. Louis, Missouri 63120.

1-2. Record and Report Forms

a. DA Form 2258 (Depreservation Guide for Vehicles and Equipment).

b. For other record and report forms applicable to operator, crew, and organizational maintenance, refer to TM 38-750.

Note. Applicable forms, excluding Standard Form 46, (United States Government Motor Vehicles Operators Identification Card) which is carried by the operator, shall be kept in a canvas bag mounted on equipment.

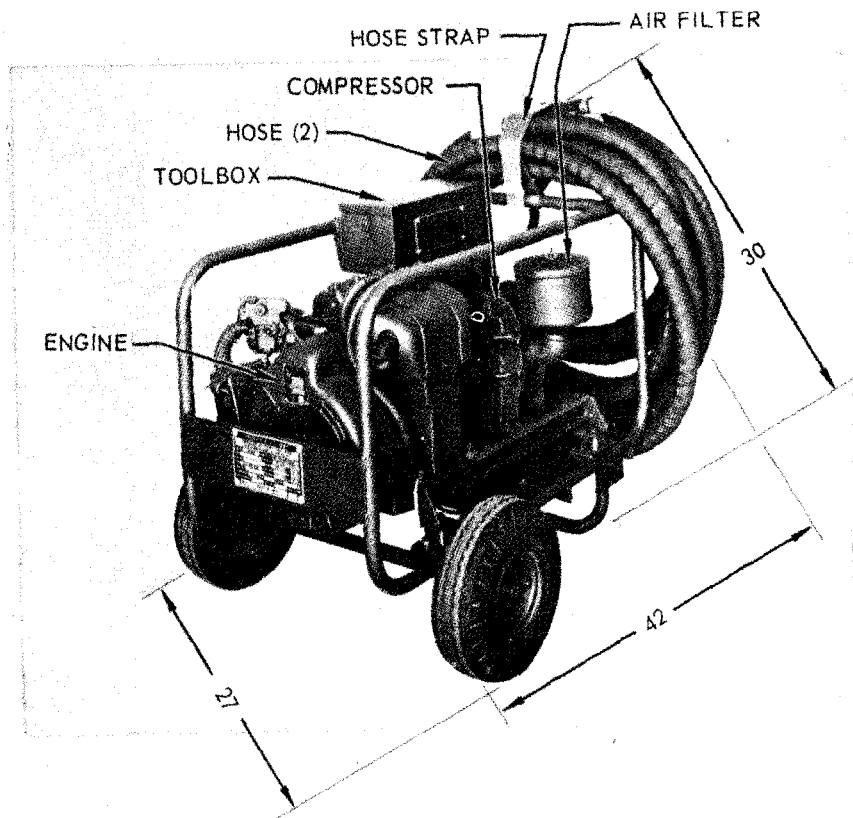
Section II. DESCRIPTION AND TABULATED DATA

1-3. Description

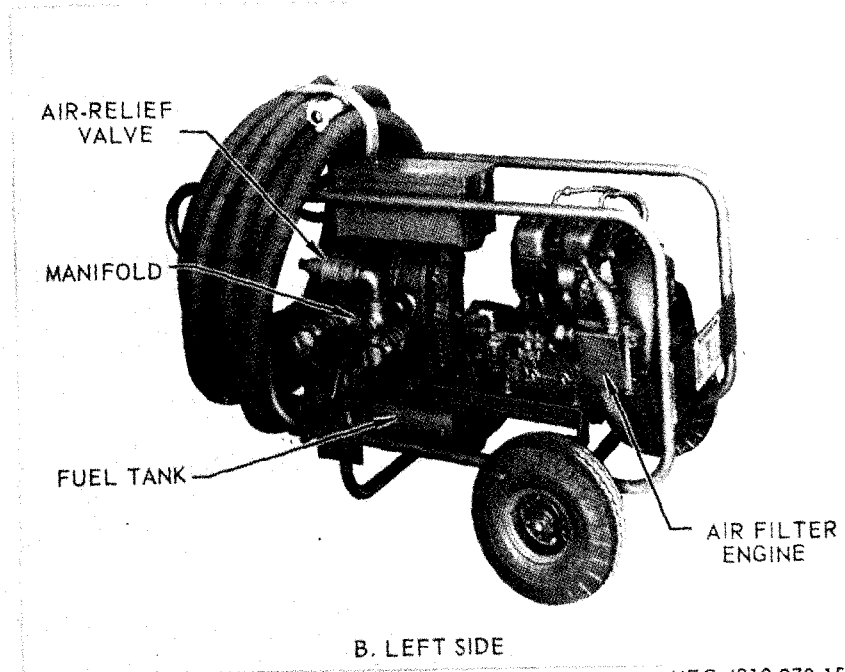
a. General. The Fuller Model 2MSWB Rotary Compressor (fig. 1-1) is directly driven by a Military Standard Engine and is mounted on a wheelbarrow-type frame for convenient movement. The rotary compressor pumps 60

cubic feet of air per minute for inflating pontoons.

b. Engine. A description of the Military Standard Engine Model 2A016-III (fig. 1-1) is contained in TM 5-2805-208-14.



A. RIGHT FRONT THREE-QUARTER VIEW



B. LEFT SIDE

MEC 4310-270-15/FIG. 1-1

Figure 1-1. Rotary compressor, right front three-quarter view, and left side, with shipping dimensions.