

**TECHNICAL MANUAL**  
**OPERATOR, ORGANIZATIONAL, DIRECT AND GENERAL**  
**SUPPORT MAINTENANCE MANUAL**  
**COMPRESSOR, RECIPROCATING, AIR**  
**WHEEL MOUNTED, 2 WHEEL**  
**PNEUMATIC TIRES: GED, 4 CFM, 3000 PSI**  
**(210.9000 KGS PER SQ CM)**  
**(WALTER KIDDE MODEL 893811)**  
**NSN 4310-00.997-6004**

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**HEADQUARTERS, DEPARTMENT OF THE ARMY**  
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\*This manual supersedes TM 5-4310-335-15, 4 June 1969, including all changes.

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## CHAPTER 1 INTRODUCTION

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### Section I. GENERAL

#### 1-1. Scope

This manual is for your use in operating and maintaining the Air Compressor, Model No. 893811, manufactured by Walter Kidde & Company, Inc., Belleville, New Jersey. The publication contains maintenance information for operator, organizational, direct support and general support maintenance personnel.

#### 1-2. Maintenance Forms and Records

- 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)).

#### 1-3. Reporting of Errors

You can help to improve this manual by calling attention to errors and recommending improvements. Your letter, DA Form 2028 (Recommended Changes to Publications), 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: AMST-MPP, 4300 Goodfellow Blvd., St. Louis, Mo. 63120. A reply will be furnished directly to you.

#### 1-4. Destruction of Army Material 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 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.

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 take adequate precautions.

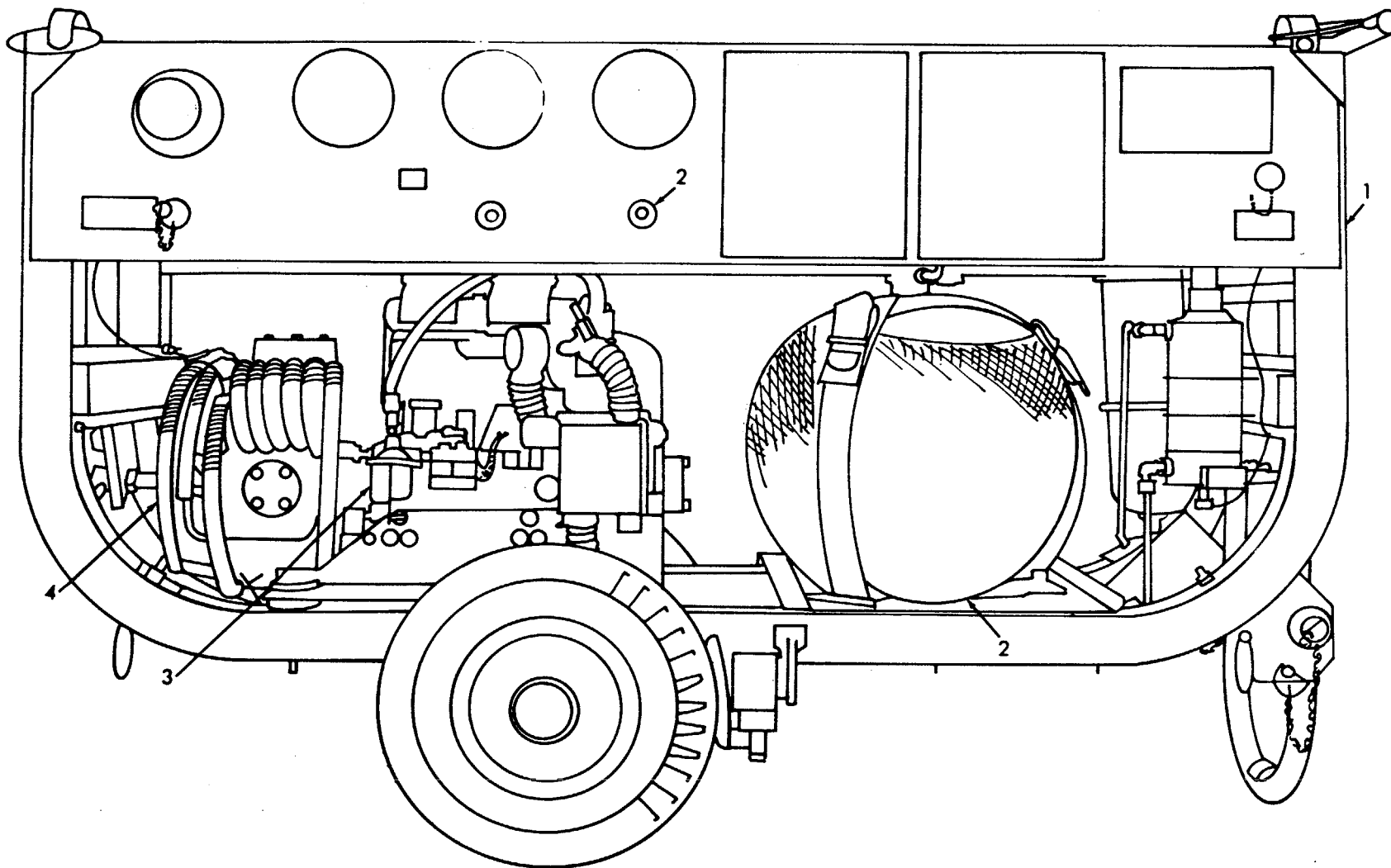
c. Establish a fire plan and provide adequate firefighting equipment and personnel.

d. For further information refer to TM 740-90-1 (Administrative Storage of Equipment).

### Section II. DESCRIPTION AND DATA

#### 1-6. Description

a. *General.* The air compressor delivers 4.0 scfm compressed air at a delivery pressure of 3000 psig (210.9000 kgs per sq cm) for pneumatic pressure application. The air compressor is completely self-contained and consists of a two-cylinder, four-cycle gasoline engine drive, a four-stage, reciprocating, radial air compressor, all the necessary accessory components required for operation, protection and transportation of the unit. The air compressor consists of the following groups, see figure 1-1.



TS014501

- 1. Frame ay
- 2. Pneumatic accessories

- 3. Gasoline engine
- 4. Compressor/cooler ay

Figure 1-1. Air Compressor  
1-2