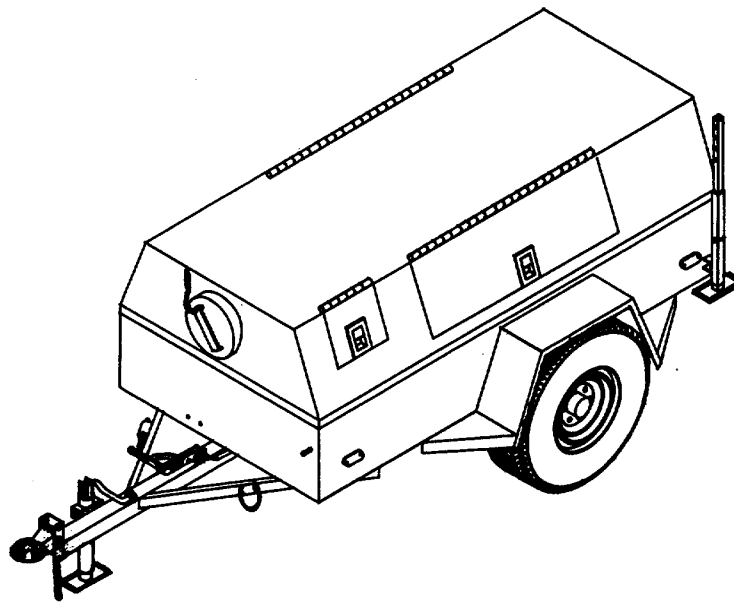


TECHNICAL MANUAL

OPERATOR'S, UNIT, AND
DIRECT SUPPORT
MAINTENANCE MANUAL

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OPERATING
INSTRUCTIONS 2-1OPERATOR
MAINTENANCE
INSTRUCTIONS 3-1UNIT MAINTENANCE 4-1
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MAINTENANCE 5-1
INSTRUCTIONS

COMPRESSOR UNIT, RECIPROCATING
15 CFM, 175 PSI,
DIESEL ENGINE DRIVEN,
TRAILER MOUNTED
MODEL CUE57-6DY-TM
NSN: 4310-01-364-4316

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TECHNICAL MANUAL

NO. 9-4310-396-13

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 30 MAY 1995

**Operator's, Unit, and Direct Support
Maintenance Manual
for
COMPRESSOR UNIT, RECIPROCATING, 15 CFM
175 PSI, DIESEL ENGINE DRIVEN, TRAILER MOUNTED
MODEL NUMBER CUE57-6DY-TM
NSN 4310-01-364-4316**

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual, directly to: Commander, U.S. Army Aviation and Troop Command, ATTN: AMSAT-I-MP, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. A reply will be furnished to you.

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HOW TO USE THIS MANUAL

DESCRIPTION OF THE MANUAL.

Manual Organization. This manual is designed to help you operate and maintain the 15 CFM/ 175 PSI Diesel Engine Driven Winterized Trailer Mounted Reciprocating Air Compressor. Warning pages are located in the front of this manual. Read the warnings before operating or doing maintenance on the equipment.

The major elements of this manual are its chapters and appendices. Each chapter has one or more sections. The Table of Contents, beginning on page i, is provided for quick reference to the subjects covered by each chapter, section, and appendix. Each chapter also has a chapter index with the exception of Chapter 1. The chapter index lists the chapter sections and paragraphs.

The front cover of this manual has an index that lists the most important areas of the manual. Each item indexed on the front cover has a black box at the edge of the cover. There is a corresponding black box on the first text page for each subject listed on the cover index. This black box on the first text page is in the same page position as the black box on the cover index.

A glossary follows the last appendix. The glossary lists and explains the special or unique abbreviations and the unusual terms used in this manual.

An alphabetical index follows the glossary. That index is for use in locating specific items of information.

Chapters. This manual has five chapters and eight appendices. Each chapter is divided into sections. Each section is divided into descriptive paragraphs. The paragraphs have specific information about the units and their major components.

Paragraph Numbering. All paragraphs are numbered. This helps you find what you need when you need it. USE THE TABLE OF CONTENTS OR ALPHABETICAL INDEX TO FIND THE SECTION OR PARAGRAPH YOU NEED. Some paragraphs have a related illustration, to show the items discussed in the paragraph. Each primary paragraph, illustration, and table is identified by the number of the chapter in which it appears, followed by a dash and another number. The number after the dash indicates the sequence in which the paragraph, illustration, or table appears in the chapter. Some paragraphs are further divided into subparagraphs. Subparagraphs are identified by the number of the primary paragraph followed by a decimal number, as follows:

Example: 4-5 is the fifth paragraph in Chapter 4.
 4-5.1 is the first subparagraph of paragraph 4-5.
 4-5.2 is the second subparagraph of paragraph 4-5.
 4-5.2.1 is the first subparagraph under 4-5.2.
 Figure 3-3 is the third illustration in Chapter 3.
 Table 2-1 is the first table in Chapter 2.

Appendices. Each appendix covers a specific subject; sometimes general, such as the list of references in Appendix A; or sometimes very detailed, such as the maintenance allocation chart (MAC) in Appendix B .

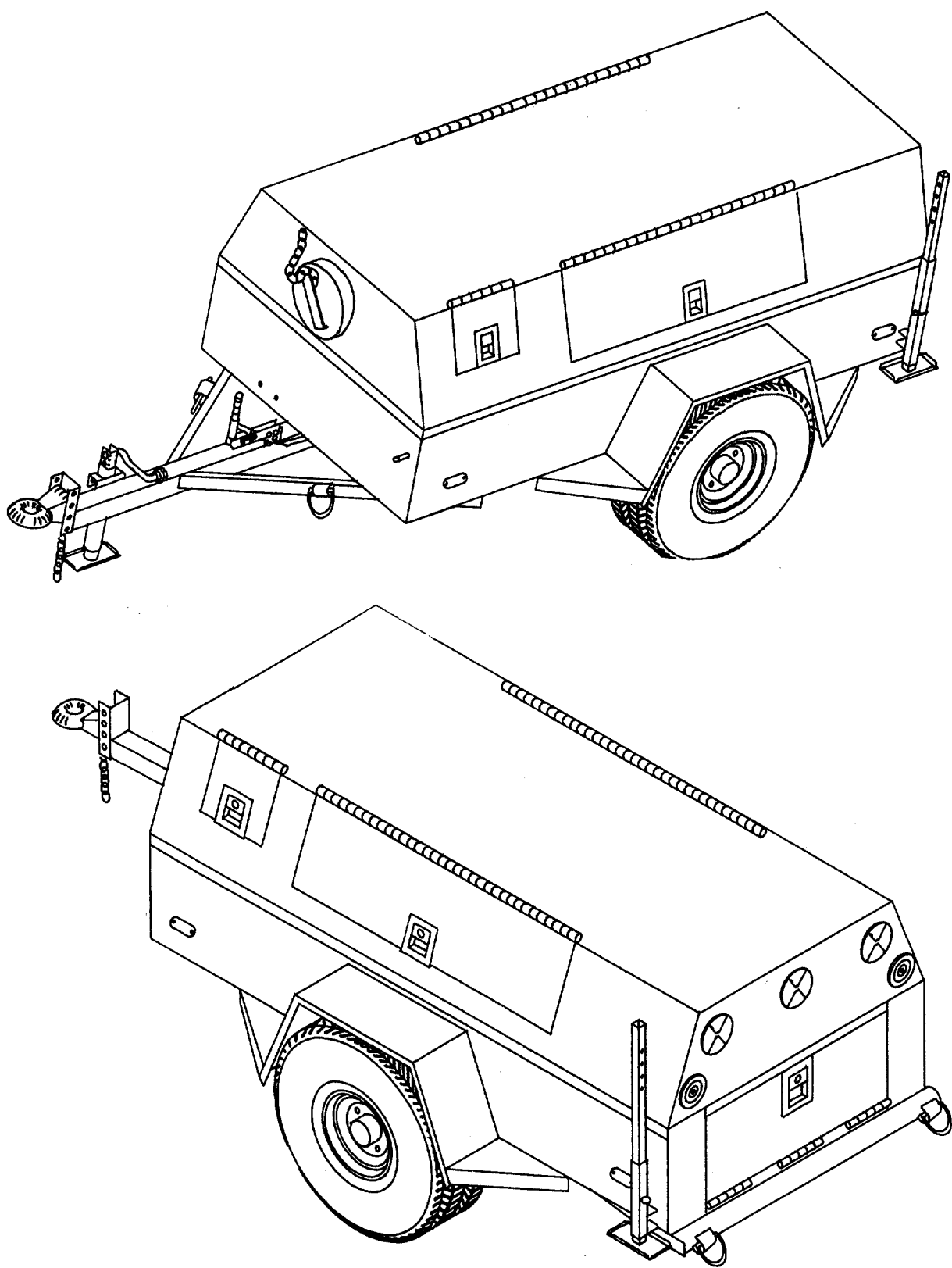


Figure 1-1. Reciprocating Air Compressor.

CHAPTER 1

INTRODUCTION

Section I - GENERAL INFORMATION

1-1 SCOPE.

Type of Manual: Operator's, Unit, and Direct Support Maintenance Manual.

Model Number and Equipment Name: Trailer Mounted Winterized Air Compressor, Diesel Engine Driven, 15 cfm/175 psi; Model # CUE57-6DY-TM

Purpose of Equipment: Compresses Air

1-2 MAINTENANCE FORMS AND RECORDS.

Department of the Army DA forms and procedures used for equipment maintenance will be those prescribed by DA PAM 738-750, The Army Maintenance Management System (TAMMS) (Maintenance Management Update).

1-3 CORROSION PREVENTION AND CONTROL.

Corrosion Prevention and Control (CPC) of Army Materiel is a continuing concern. Any corrosion problems with this compressor shall be reported so that the problem can be corrected and improvements made. While corrosion is typically associated with rusting of metals, it can also include deterioration of other materials such as rubber or plastic. Unusual cracking, softening, swelling, or breaking down of these materials will be listed also as corrosion problems. If a corrosion problem is identified it should be reported on Standard Form 368, Product Quality Deficiency Report. Use keywords such as corrosion rust, deterioration, or cracking to insure the information is identified as a CPC problem. This form should be submitted as specified in DA PAM 738750, The Army Maintenance Management System (TAMMS).

14 DESTRUCTION OF ARMY MATERIEL TO PREVENT ENEMY USE.

Command decisions, according to tactical situation, will determine when destruction of the compressor unit will be accomplished. A destruction plan will be prepared by the using organization, unless one has been prepared by higher authority. For general destruction procedures for this equipment, refer to TM 750-244-3, Procedures for Destruction of Equipment to Prevent Enemy Use.

1-5 PREPARATION FOR STORAGE OR SHIPMENT.

Instructions for preparation for storage and shipment are in Chapter 4, Section VII.