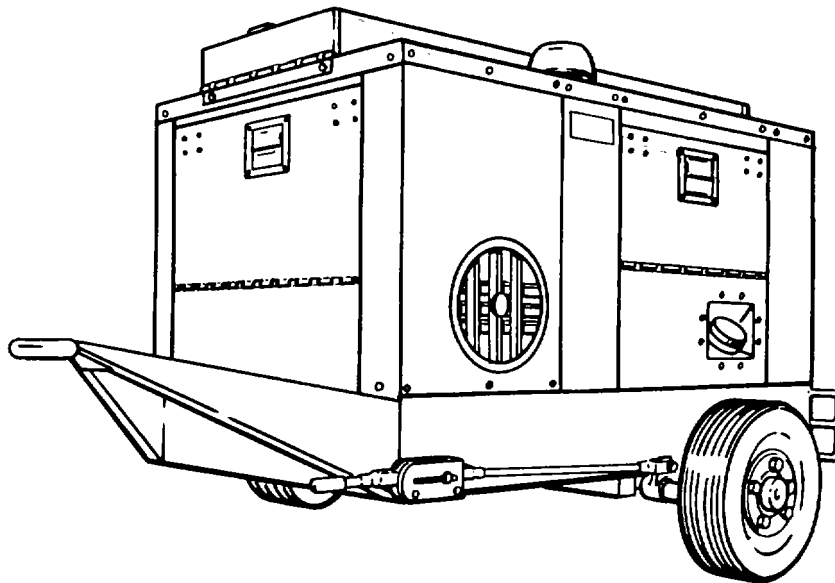

TECHNICAL MANUAL

OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT
AND GENERAL SUPPORT MAINTENANCE MANUAL



COMPRESSOR, AIR, RECIPROCATING, GASOLINE ENGINE DRIVEN,

15 SCFM, 3500 PSI, WHEEL MOUNTED, WINTERIZED

(BAUER COMPRESSOR MODEL KA15-03-PJ

NSN 4310-01-087-4317

HEADQUARTERS, DEPARTMENT OF THE ARMY

7 DECEMBER 1981

**Operator's, Organizational, Direct Support
and General Support Maintenance Manual
COMPRESSOR, AIR, RECIPROCATING, GASOLINE ENGINE DRIVEN,
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(BAUER COMPRESSOR MODEL KA15-03-P)
NSN 4310-01-087-4314**

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistake 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), to: Commander, U. S. Army Troop Support Command, ATTN: AMSTR-MCTS, 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798. A reply will be furnished directly to you.

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CHAPTER 1 INTRODUCTION

Section I. GENERAL INFORMATION

1-1. SCOPE

This technical manual is intended for operator and maintenance personnel at all levels using the reciprocating air compressor Bauer Model KA15-03-P. Chapters 1 - 3 contain general information, operational instructions and maintenance for the operator. Chapter 4 provides maintenance procedures for the organizational level. Chapters 5 and 6 provide maintenance instructions for the direct support and general support levels. The purpose of the equipment is to provide mobile units with 15 cubic feet per minute of compressed air at 3500 psi for various operational uses.

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. Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA PAM738-750 the Army Maintenance Management System (TAMMS).

1-3. HAND RECEIPT

Hand receipts for Components of End Item (COEI), Basic Issue Items (BII), and Additional Authorization List (AAL) items are published in a Hand Receipt Manual TM 5-4310-368-14-HR. This manual is published to aid in property accountability and is available through: Commander, U.S. Army Adjutant General Publication Center, Attn.: AGDL-OD, 2800 Eastern Blvd., Baltimore, MD 21220.

1-4. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR's)

If your air compressor needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design. Tell us why a procedure is hard to perform. Put it on an SF 368 (Quality Deficiency Report). Mail it to us at Commander, U.S. Army Troop Support Command, Attn.: AMSTR-QS (CFC), 4300 Goodfellow Blvd., St. Louis, MO 63120-1798.

1-5. WARRANTY INFORMATION

The air compressor Model KA15-03-P is warranted by Bauer Compressors, Inc. for 12 months. It starts on the date found in block 23, DA Form 2408-9, in the logbook. Report all defects in material or workmanship to your supervisor, who will take appropriate action through your organizational maintenance shop.

1-6. NOMENCLATURE CROSS REFERENCE

<u>Common Name</u>	<u>Official Nomenclature</u>
Fuel Gage	Liquid Level Indicator

1-7. LIST OF ABBREVIATIONS

AC	alternating current
AH	ampere/hour
AMP	ampere
BTU	British Thermal Unit
DC	direct current
GPH	gallons per hour
NM	newtons per square meter
PSI	pounds per square inch
RPM	revolutions per minute
SCFM	standard cubic feet per minute
V	volt

Section II. EQUIPMENT DESCRIPTION**1-8. EQUIPMENT PURPOSE, CAPABILITIES, AND FEATURES**

The purpose of the air compressor is to provide 15 cubic feet per minute of compressed air at 3500 psi.

Major Components:

- Engine
- Compressor
- Instrument/Control Panel
- Heater
- Fuel Tank
- Air Receiver
- Running Gear
- Enclosure

Operable in temperature range of -50°F (-46°C) to 125°F (52°C)

Towable by light land vehicles, or by personnel for short distances.

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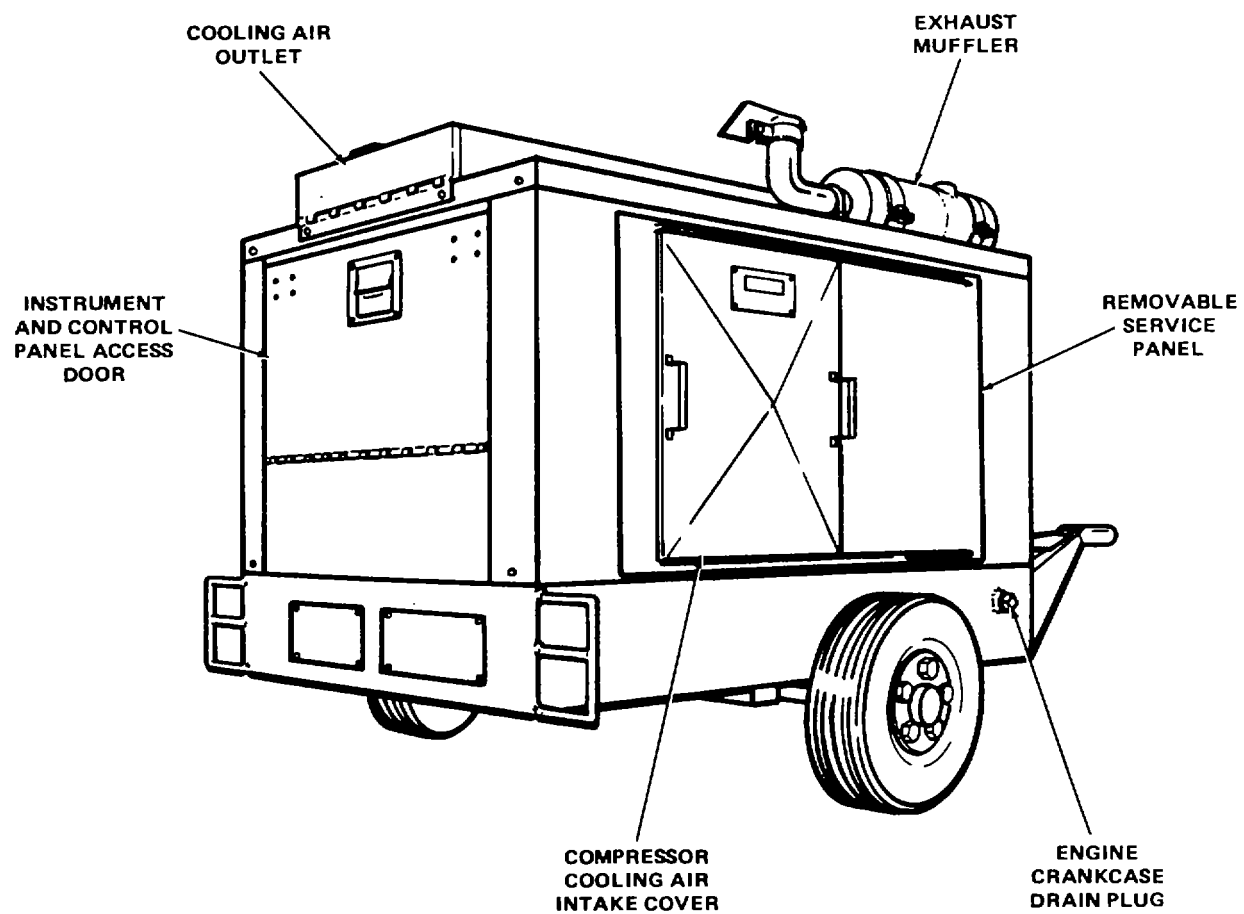


Figure 1-1. Air Compressor Model KA15-03-P, Right Rear, Three-Quarter View