TECHNICAL MANUAL

OPERATOR'S AND UNIT MAINTENANCE MANUAL INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST

FORWARD AREA WATER POINT SUPPLY SYSTEM
MODEL LAB 9095
NSN 4320-01-359-0369

INTRODUCTION

OPERATING PROCEDURES

OPERATOR MAINTENANCE

UNIT MAINTENANCE

REPAIR PARTS AND SPECIAL TOOLS LIST

COMPONENTS OF END ITEM LIST

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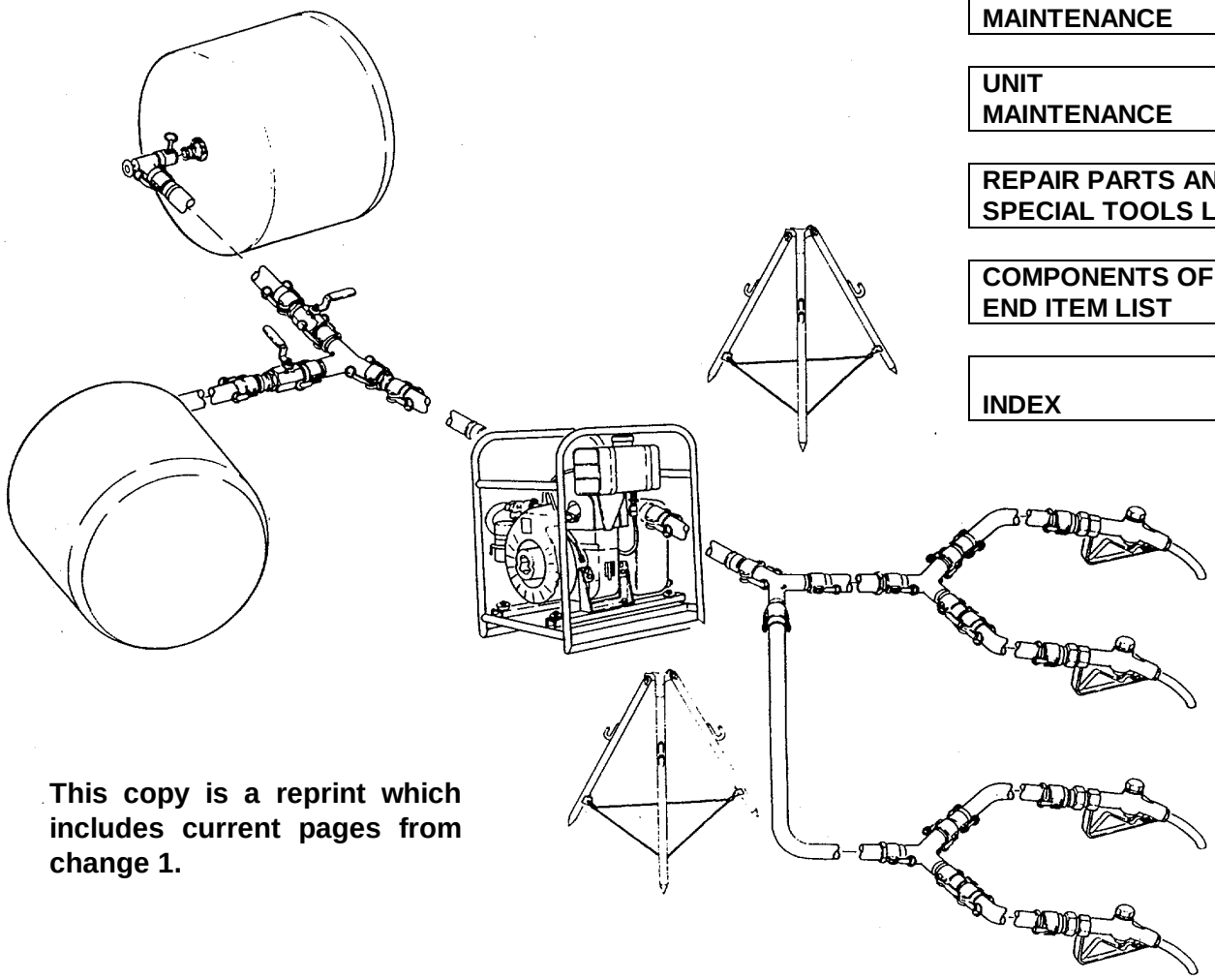

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TECHNICAL MANUAL

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HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C. 30 April 1993

Operator's and Unit
Maintenance Manual
Including Repair Parts and Special Tools List

For

FORWARD AREA WATER POINT SUPPLY SYSTEM
MODEL LAB 9095
NSN 4320-01-359-0369
UOC: FFV
MODEL JGB-FAWPSS-432034612P
NSN 4320-01-431-1461
UOC: FNQ

Current as of 1 July 1996

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 these procedures, please let us know. Mail your letter or 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, US Army Aviation and Troop Command, ATTN: AMSAT-I-MP, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. You may also submit your recommended changes by E-mail directly to <mpmt%avma28@st-louis-emh7.army.mil>. A reply will be furnished directly to you. Instructions for sending an electronic 2028 may be found at the back of this manual immediately preceding the hard copy 2028.

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HOW TO USE THIS MANUAL

GENERAL. This technical manual provides you with the information needed to operate and to maintain the Forward Area Water Point Supply System (FAWPSS). By properly using this manual, you will be able to identify any problem you may have in operating the FAWPSS and then locate the proper procedure needed to correct any problem found.

MANUAL ORGANIZATION. This manual has been organized in a manner that groups together the information that an operator or a maintenance technician will need to perform their duties. The following list indicates how this information has been organized.

Chapter 1 This chapter contains a complete description of the FAWPSS and includes such information as general equipment data, location/descriptions of major FAWPSS components, and general theory of operations for the FAWPSS.

Chapter 2 The information needed to set up and to operate the FAWPSS are included in this chapter. It includes assembly information, operator PMCS, and special instructions for unusual or emergency conditions.

Chapter 3 All operator maintenance procedures have been placed within this chapter.

Chapter 4 In the event that unit level maintenance is required for the FAWPSS, the required maintenance instructions can be found in this chapter.

Appendix C If you find that a part or component of the FAWPSS is damaged and must be replaced, you can identify the part needed by referring to the illustrations and parts lists found in this Repair Parts and Special Tools List.

AIDS TO FINDING INFORMATION. The following aids have been placed within this technical manual to help you quickly locate the information you may need.

Front Cover Index To provide you with a quick reference to the most used portions of this technical manual, an index of these areas has been placed on the front cover of this manual.

Bleeder Edges On Pages On the right edge of the front cover index of this manual you will see a black box area that goes to the edge of the front cover page. If you hold this manual with you left hand and bend back the outer right edges of the pages with your right hand, you will find that there are pages inside the technical manual that also have black boxes on the right edges of the page and that these boxes line up with the boxes on the front cover index. By turning to the page in the technical manual that lines up with the box on the front cover, you will be able to quickly turn to the topic shown in the front cover index.

Table Of Contents In the event that the front cover has been removed from this And Boxed Titles manual, the items that appear in the front cover index have also been placed in a box where they appear in the Table of Contents of this manual.

Alphabetical Index To assist you in locating any other information not found in the front cover index or the Table of Contents, an alphabetical index has been placed in the back of this manual to help you find any information you may need.

GENERAL MAINTENANCE METHOD. Although your local standard operating and maintenance procedure may vary, a simple method of using this technical manual to operate and maintain the FAWPSS is shown in the following steps.

WARNINGS And CAUTIONS.
Always Read, Understand, and Perform ALL WARNINGS and CAUTIONS
Found In This Technical Manual BEFORE Performing
The Step Immediately Following The
WARNING or CAUTION.

Throughout this technical manual there are certain procedures and operations that are hazardous to you or to the FAWPSS. If you see a **WARNING**, pay special attention to the information stated in it because all **WARNINGS** provide you with data that will prevent serious injury to you or others around you. When you see a CAUTION read it carefully because the information given in it will keep you from damaging the FAWPSS and making the FAWPSS unable to fulfill its mission.

Equipment Set Up And Operation. Unpack and set up the FAWPSS in accordance with the procedures shown in Chapter 2.

Preventive Maintenance Checks And Services (PMCS). Perform the operator PMCS procedures shown in Chapter 2.

Troubleshooting Procedures. If the FAWPSS should not operate properly, refer to either the operating troubleshooting procedures in Chapter 3 or the unit troubleshooting procedures in Chapter 4. The most likely FAWPSS malfunctions have been placed within these troubleshooting procedures and a test and/or repair procedure paragraph has been indicated to correct the malfunction found. If a repair is required, refer to the maintenance paragraph shown in the troubleshooting procedure.

Maintenance Procedures. The complete repair procedures needed to correct a problem found with the FAWPSS have been included in Chapters 3 and 4.

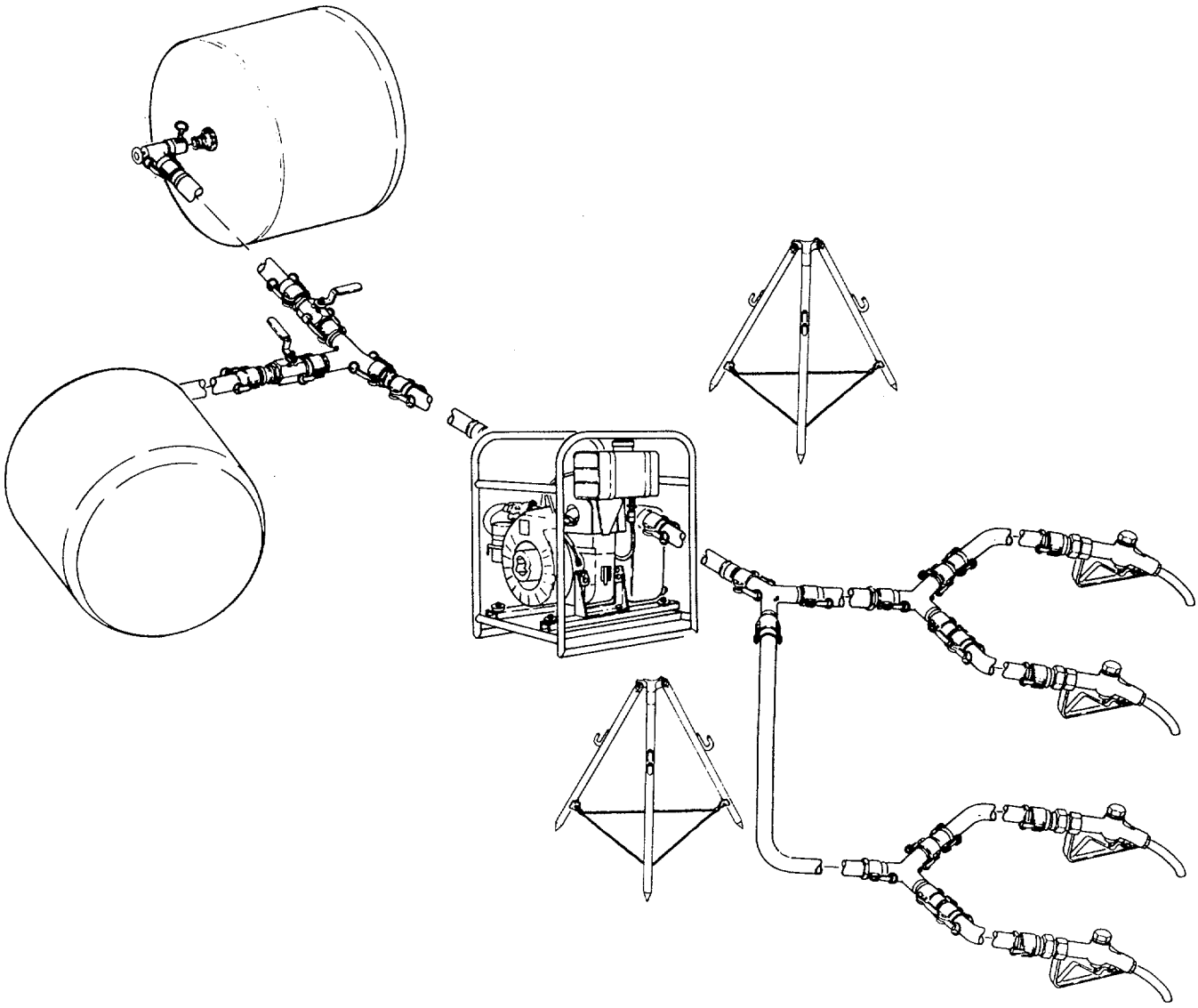

Figure 1-1. Forward Area Water Point Supply System.

CHAPTER 1

INTRODUCTION

Section I. GENERAL INFORMATION

1-1. SCOPE.

a. ***Type of Manual.*** Operator's and Unit Maintenance Manual (Including Repair Parts and Special Tools List).

b. **Model Number and Equipment Name.** Model LAB 9095, Forward Area Water Point Supply System (FAWPSS).

c. ***Purpose of Equipment.*** The FAWPSS system covered by this manual is a specially assembled group of components designed to be used by forward area personnel to receive, dispense, and store potable water to troops.

1-2. MAINTENANCE FORMS AND RECORDS. Department of the Army 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 AND PREVENTION CONTROL. Corrosion Prevention and Control (CPC) of Army materiel is a continuing concern. It is important that any corrosion problems with this item be reported so that the problem can be corrected and .improvements can be made to prevent the problem in future items.

While corrosion is typically associated with the rusting of metals, it can also include deterioration of other materials such as rubber and plastic. Unusual cracking, softening, swelling, or breaking of the materials may be a corrosion problem.

If a corrosion problem is identified, it can be reported using Standard Form 368, Product Quality Deficiency Report. Use of key words such as "rust", "deterioration", "corrosion", or "cracking" will insure that the information is identified as a CPC problem. The form should be submitted to the address specified in the DA PAM 738-750.

1-4. DESTRUCTION OF ARMY MATERIEL TO PREVENT ENEMY USE. Refer to TM 750-244-3, Procedures for Destruction of Equipment to Prevent Enemy Use.

1-5. PREPARATION FOR STORAGE OR SHIPMENT. Contact unit maintenance for preparation and storage or shipment. Refer to Section VI, Chapter 4.

1-6. QUALITY ASSURANCE / QUALITY CONTROL. The text of any quality assurance or quality control procedure in this manual will always be preceded by the designation "(QA)". Any procedures of this type should be followed closely to insure the FAWPSS is in proper operating condition.