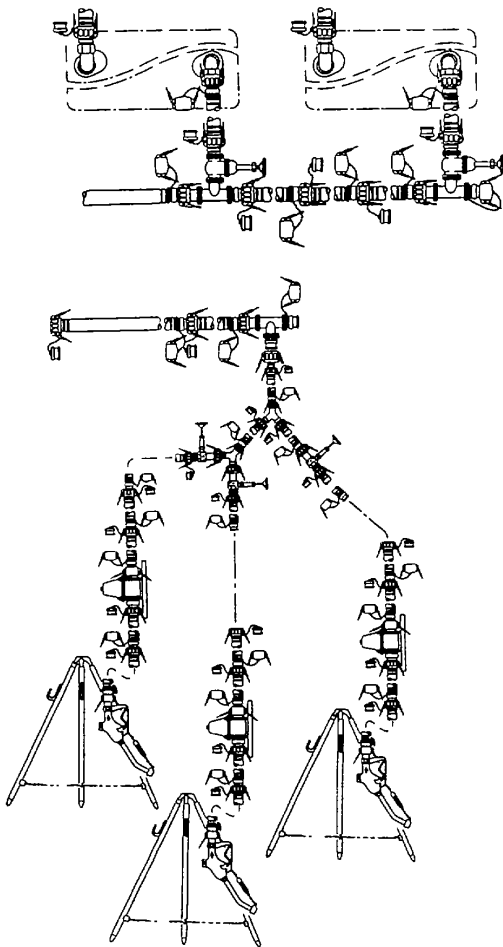


**TECHNICAL MANUAL****OPERATOR'S, UNIT AND DIRECT  
SUPPORT MAINTENANCE MANUAL****FOR****300K WATER STORAGE AND  
DISTRIBUTION SYSTEM  
MODEL WSDS310  
NSN: 4610-01-360-1582**

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TECHNICAL MANUAL

NO.10-4610-242-13

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
WASHINGTON, D.C., 4 DECEMBER 1992

**OPERATOR'S, UNIT AND DIRECT SUPPORT  
MAINTENANCE MANUAL  
for  
300K WATER STORAGE AND DISTRIBUTION SYSTEM  
MODEL WSDS310  
NSN: 4610-01-360-1582**

**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 20282 located in the back of this manual directly to: Commander, US Army Aviation and Troop Command, ATTN: AMSAT-I-MT, 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

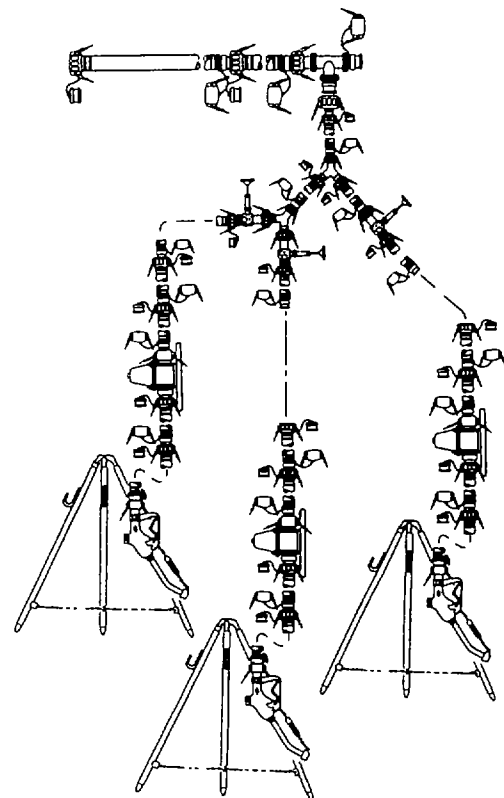
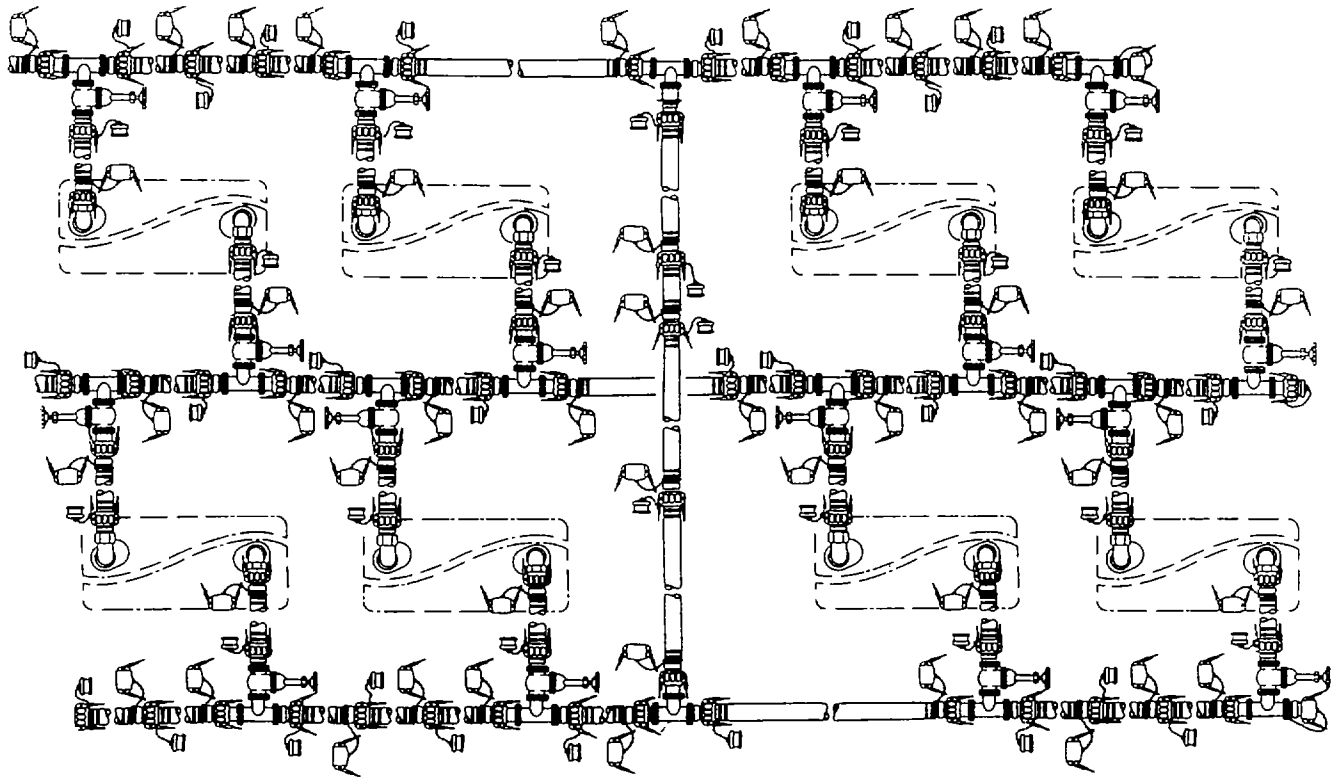
Be sure to read all Warnings before using your equipment

This manual contains operating and maintenance instructions for operation and maintenance of the 300K Water Storage and Distribution System

- Chapter 1-Introduces you to the equipment and gives you information such as weight, height, length, generally used abbreviations and information on how the unit works. The chapter is preceded by a full page illustration of the equipment.
- Chapter 2-Provides information necessary to identify and use the equipment's operating controls. Operating instructions in this chapter tell you how to use the equipment in both usual and unusual weather conditions. In addition, preventive maintenance instructions provide information needed to inspect and service the 300K Water Storage and Distribution System.
- Chapter 3-Provides operator troubleshooting procedures for identifying equipment malfunctions and maintenance instructions for performing operator maintenance tasks.
- Chapter 4-Provides unit maintenance personnel with troubleshooting procedures for identifying equipment malfunctions and maintenance instructions for repairing defective equipment.

Chapter 5-Provides direct support maintenance personnel with maintenance instructions for performing repairs on equipment as authorized by the maintenance allocation chart.

- Appendix A-Provides a list of frequently used forms and publications referenced or used in this manual.
- Appendix B-The Maintenance allocation chart identifies repairable components and the maintenance level authorized to perform the repairs.
- Appendix C-Lists components that are not mounted on the equipment, but are required to make the unit functional. All components in the Components of End Item and Basic Issue Items Lists are illustrated for easy identification.
- Appendix D-Lists additional equipment authorized for your unit for use with the 300K system, but are not supplied as part of system. This equipment list may include fire extinguishers, buckets, protective clothing etc.
- Appendix E-Provides you with information about expendable supplies such as sealants, lubricants, chemicals etc that are used when operating or maintaining the equipment.
- Appendix F-Contains lubrication instructions that are required to keep the equipment in good working condition.
- Appendix G-Provides a list of items and instructions on how to make certain tools and devices required to perform some of the maintenance tasks contained in this manual.
- Appendix H-Lists parts that must be replaced when performing maintenance on components of the water system. This list includes such things as gaskets, lockwashers and seals.



## CHAPTER 1

### INTRODUCTION

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#### Section I. GENERAL INFORMATION

##### 1-1. SCOPE.

This manual contains Operating instructions, Unit maintenance and Direct Support maintenance procedures required to operate and maintain the 300K Water Storage and Distribution System, Model WSDS310. The purpose of the water system is receive, store and distribute potable water to individual water bags, tanker trucks and trailer mounted water tanks (water buffaloes).

##### 1-2. MAINTENANCE FORMS, RECORDS, AND REPORTS.

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)).

##### 1-3. CORROSION PREVENTION AND CONTROL.

- a. 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.