

**TECHNICAL MANUAL**

**OPERATOR'S, UNIT, AND DIRECT SUPPORT  
MAINTENANCE MANUAL INCLUDING REPAIR**

**PARTS AND SPECIAL TOOLS LIST**

**D-1 PRESSURE NOZZLE,  
FUEL SERVICING,  
ARCTIC SERVICE**

**P/N 13228E1821**

**NSN: 4930-01-396-6230**

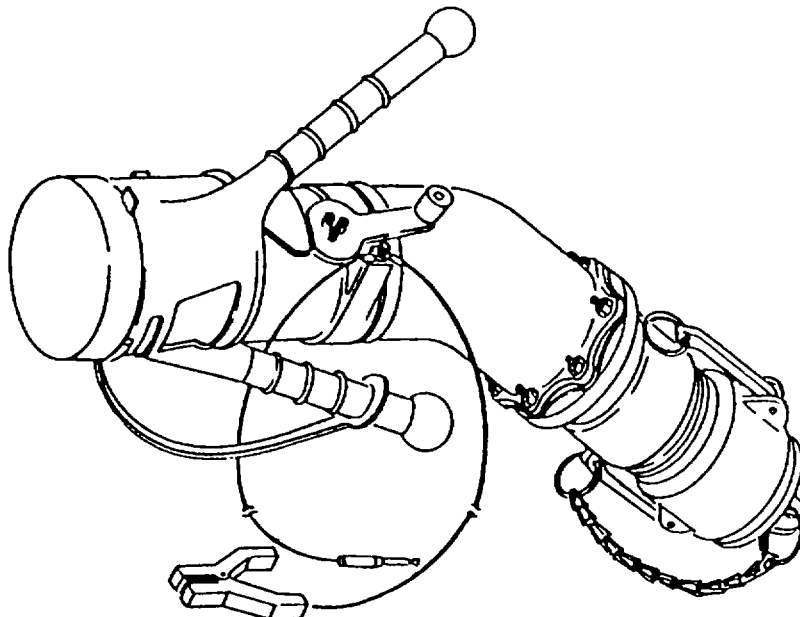
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Distribution Statement A: Approved for public release; distribution is unlimited.

**HEADQUARTERS, DEPARTMENT OF THE ARMY  
31 MARCH 1996**

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(Current as of 7 September 1995)

**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.

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## HOW TO USE THIS MANUAL

***Be sure to read all Warnings before using your equipment***

This manual contains instructions for operation and maintenance of the D-1 Nozzle

### MANUAL OVERVIEW

a. Index Tabs.

Notice the front cover index of this manual. It lists the most important areas of the manual and guides you to those sections. Follow the black mark on the cover index edge through the pages to the edge mark on the section you want. The subjects on the front cover index are also highlighted in the table of contents by boxes. A detailed alphabetical index is located at the back of this manual.

b. Contents

The following gives you a summary of each chapter and appendix. Before beginning a maintenance task, you must familiarize yourself with the entire procedure.

Chapter 1 Introduces you to the equipment and gives you information such as weight, dimensions, abbreviations used and information on how the unit works.

Chapter 2 Provides information necessary to identify and use the equipment. Operating Instructions in this chapter tell you how to use the equipment in both usual and unusual weather conditions.

Chapter 3 Provides operator troubleshooting procedures for identifying equipment malfunctions and maintenance procedures for performing operator maintenance tasks as authorized by the Maintenance Allocation Chart.

Chapter 4 Provides unit maintenance personnel with troubleshooting procedures for identifying equipment malfunctions and maintenance procedures for repairing defective equipment as authorized by the Maintenance Allocation Chart.

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 If you find that a part or component 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.

Appendix D Lists components that are not mounted on the equipment, but are required to make the unit functional.

Appendix E- Lists additional equipment authorized for your unit for use with the D-1 nozzle.

Appendix F- Provides you with information about expendable supplies such as sealants, lubricants, chemicals, etc. That are used when operating or maintaining the equipment.

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- Provides a list of parts that must be replaced during maintenance of the equipment.

Glossary - Lists terms and abbreviations used in this manual and their definitions

Index - Lists subject matter contained in manual In alphabetical order.

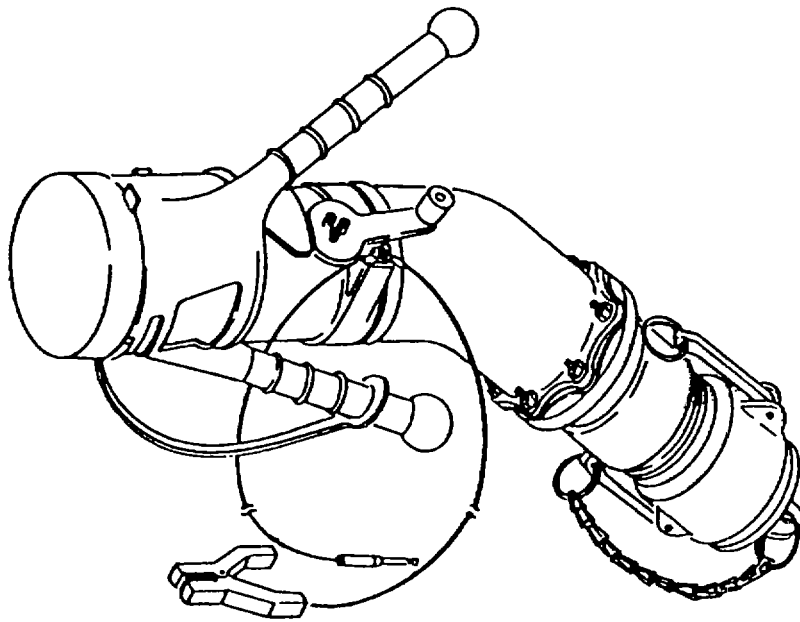


Figure 1-0. D-1 Pressure Fuel Nozzle

## CHAPTER 1 INTRODUCTION

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### Section I. GENERAL INFORMATION

#### 1-1 SCOPE.

This manual is for use by personnel responsible for the operation and maintenance of D- 1 Pressure Nozzle

- a. Type of Manual. Operators, Unit, Direct Support, and General Support Maintenance.
- b. Equipment Model Number and Name. [Model #. D- 1] D- 1, Pressure Nozzle, Fuel
- c. Purpose of Equipment. To mate with adapters conforming to MS24484 or equivalent and permit fuel servicing in arctic conditions.

#### 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. DESTRUCTION OF ARMY MATERIEL TO PREVENT ENEMY USE.

Instructions for destruction of the equipment to prevent enemy use are in TM 750-244-3.

#### 1-4. CORROSION PREVENTION AND CONTROL (CPC).

a. Corrosion Prevention and Control 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.

b. While corrosion is typically associated with 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.

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