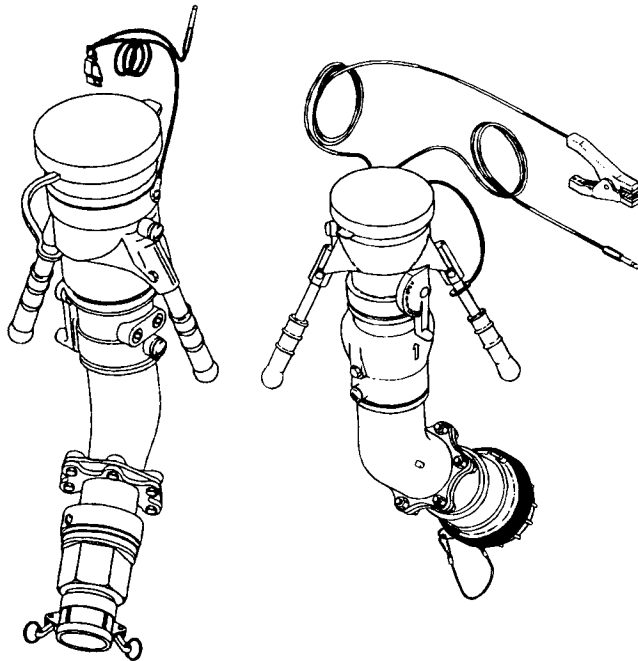


## TECHNICAL MANUAL

### OPERATOR'S, UNIT, AND DIRECT SUPPORT MAINTENANCE MANUAL INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST (RPSTL)



#### D-1 NOZZLE

MODEL D1N-1  
NSN 4930-01-369-9821

MODEL D-1R  
P/N 64349F4HXY  
NSN 4930-01-440-1085

OPERATING INSTRUCTIONS	2-1
OPERATOR PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS)	2-2
OPERATOR TROUBLESHOOTING PROCEDURES	3-1
UNIT MAINTENANCE INSTRUCTIONS	4-1
DIRECT SUPPORT MAINTENANCE INSTRUCTIONS	5-1
MAINTENANCE ALLOCATION CHART	B-1
UNIT AND DIRECT SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST (RPSTL)	C-1

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

## HEADQUARTERS, DEPARTMENT OF THE ARMY

7 February 1995

OPERATOR'S UNIT AND DIRECT SUPPORT MAINTENANCE MANUAL  
INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST (RPSTL)

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TABLE OF CONTENTS

	<u>Page</u>
CHAPTER 1 INTRODUCTION . . . . .	1-1
Section I General Information . . . . .	1-1
Section II Equipment Description . . . . .	1-2
Section III Principles of Operation . . . . .	1-5
CHAPTER 2 <b>OPERATING INSTRUCTIONS</b> . . . . .	2-2
Section I <b>Description and Use of Operator's Controls and Indicators</b> . . . . .	2-2
Section II <b>Operator Preventive Maintenance Checks and Services (PMCS)</b> . . . . .	2-2
Section III Operation Under Usual Conditions . . . . .	2-12.5/(2-12.6 blank)
Section IV Operation Under Unusual Conditions . . . . .	2-16
CHAPTER 3 OPERATOR MAINTENANCE INSTRUCTIONS . . . . .	3-1
Section I Lubrication Instructions . . . . .	3-1
Section II <b>Operator Troubleshooting Procedures</b> . . . . .	3-1
Section III Operator's Maintenance Procedures . . . . .	3-1

TABLE OF CONTENTS - continued

	Page
CHAPTER 4	4-1
<b>UNIT MAINTENANCE INSTRUCTIONS</b>	
Section I	4-1
Repair Parts , Tools, Special Tools, Test Measurement, and Diagnostic Equipment (TMDE), and Support Equipment	
Section II	4-2
Service Upon Receipt	
Section III	4-3
Unit Preventive Maintenance Checks and Services (PMCS)	
Section IV	4-3
Unit Troubleshooting Procedures	
Section V	4-3
Unit Maintenance Procedures	
Section VI	4-11
Preparation for Storage or Shipment	
CHAPTER 5	5-1
<b>DIRECT SUPPORT MAINTENANCE INSTRUCTIONS</b>	
Section I	5-1
Repair Parts, Tools, Special Tools, Test Measurement, and Diagnostic Equipment (TMDE), and Support Equipment	
Section II	5-1
Direct Support Troubleshooting Procedures	
Section III	5-1
Direct Support Maintenance Procedures	
APPENDIX A	A-1
REFERENCES	
APPENDIX B	A-1
<b>MAINTENANCE ALLOCATION CHART</b>	
Section I	B-1
Introduction	
Section II	B-4
Maintenance Allocation Chart for D1N-1 and D-1R Nozzles	
Section III	B-5
Tools and Test Equipment Requirements For D1N-1 and D-1R Nozzles	
Section IV	B-5
Remarks For D1N-1 and D-1R Nozzles	
APPENDIX C	C-1
<b>UNIT AND DIRECT SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST (RPSTL)</b>	
Section I	C-2
Introduction	
Section II	C-10
Repair Parts List	
Section III	C-18
Special Tools List	
Section IV	C-20
Cross Reference List	
APPENDIX D	D-1
<b>COMPONENTS OF END ITEM (COEI) AND BASIC ISSUE ITEMS (BII) LIST</b>	
Section I	D-1
Introduction	
Section II	D-2
Components of End Item	
Section III	D-2
Basic Issue Items	
APPENDIX E	E-1
ADDITIONAL AUTHORIZATION LIST (AAL)	
APPENDIX F	F-1
<b>EXPENDABLE AND DURABLE ITEMS LIST</b>	
Section I	F-1
Introduction	
Section II	F-1
Expendable and Durable Items List	
APPENDIX G	G-1
LUBRICATION INSTRUCTIONS	
APPENDIX H	H-1
ILLUSTRATED LIST OF MANUFACTURED ITEMS	

TABLE OF CONTENTS - continued

APPENDIX I TORQUE LIMITS . . . . . I-1

APPENDIX J MANDATORY REPLACEMENT PARTS . . . . . J-1

GLOSSARY . . . . . Glossary -1

    Section I Abbreviations . . . . . Glossary -1

    Section II Definition of Unusual Terms . . . . . Glossary -1

ALPHABETICAL INDEX . . . . . Index -1

LIST OF TABLES

<u>Table</u>	<u>Title</u>	<u>Page</u>
2-1	Operator Preventive Maintenance Checks and Services for D-1 Nozzle . . . . .	2-6
2-1.1	Operator Preventive Maintenance Checks and Services for D-1R Nozzle . . . . .	2-12

LIST OF ILLUSTRATIONS

<u>Figure</u>	<u>Title</u>	<u>Page</u>
1-0	D1N-1 and D-1R Nozzles . . . . .	1-0
1-1	Location And Description of Major Components (D1N-1) . . . . .	1-3
1-1.1	Location And Description of Major Components (D-1R) . . . . .	1-4
1-2	Safety Interlocks . . . . .	1-6
2-1	Operator's Controls and Indicators . . . . .	2-2
2-2	Operating Connection Items . . . . .	2-13
2-3	Nozzle Marking . . . . .	2-15
4-1	Nozzle Components (D1N-1) . . . . .	4-2
4-1.1	Nozzle Components (D-1R) . . . . .	4-2.1
4-2	Camlock Disconnect Assembly Removal . . . . .	4-4
4-3	Camlock Disconnect Assembly Disassembly . . . . .	4-5
4-3.1	Repair of Two-Inch Non-Valved Screened Unisex Coupling . . . . .	4-6.3
4-4	Inlet Elbow . . . . .	4-7
4-5	Bonding Cable . . . . .	4-9
4-6	Handles and Covers . . . . .	4-10
5-1	Nozzle Body . . . . .	5-3
5-2	Adapter . . . . .	5-4
5-3	Plate and Lever Alinement . . . . .	5-5
5-4	Continuity Clip Installation . . . . .	5-8
5-5	D-1R Nozzle Assembly . . . . .	5-10
5-6	45 PSI Hose End Regulator . . . . .	5-12
C-1	Camlock Disconnect Assembly . . . . .	C-10
C-1.1	Coupling, Unisex 2-Inch Non-Valved . . . . .	C-11A
C-2	Inlet Elbow Assembly . . . . .	C-12
C-3	Grounding Cable, Handle, and Dust Cap . . . . .	C-14
C-4	Nozzle Body Assembly . . . . .	C-16
C-4.1	45 PSI Hose End Regulator . . . . .	C-17A
C-5	Special Tools . . . . .	C-18

## 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-I Nozzle.

### MANUAL OVERVIEW

a. Index Tabs.

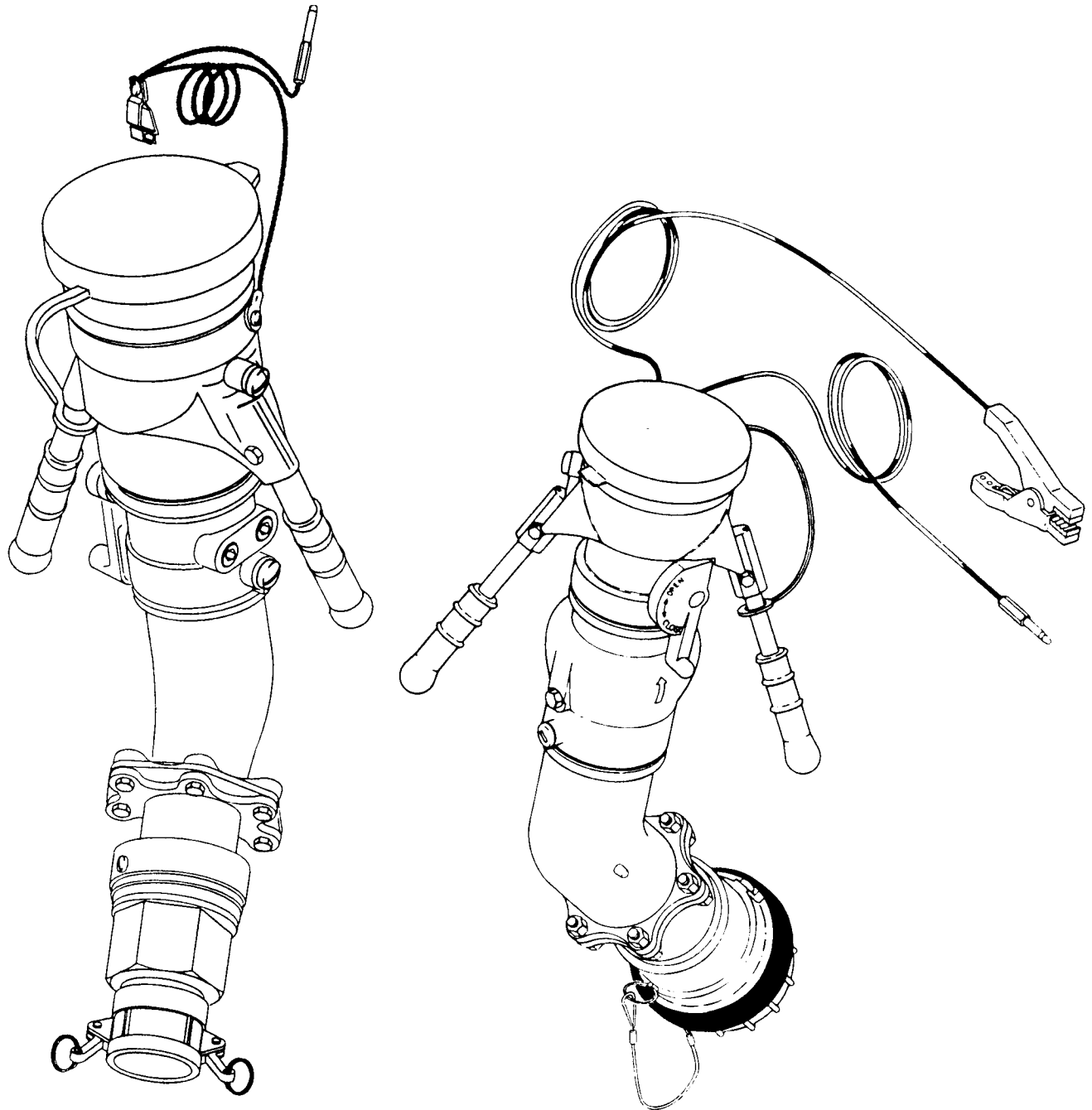
Notice the front cover index of this manual. It lists the most important areas of the manual and guides you to those sections. Follow the black mark on the cover index edge through the pages to the edge mark on the section you want. The subjects on the front cover index are also highlighted in the table 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.
- Chapter 4 - Provides unit maintenance personnel with troubleshooting procedures for identifying equipment malfunctions and maintenance procedures 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 and illustrates a breakdown of the equipment components for repair purposes as well as any special tools required.
- 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-I 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 you with information about the equipment lubrication maintenance.
- Appendix H - Lists and illustrates details for manufacturing items required for maintenance or repair of the equipment.
- Appendix I - Provides necessary torque specifications required for the equipment.

- Appendix J - 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.



DIN-1

D-1R

Figure 1-0. DIN-1 and D-1R Nozzles

# CHAPTER 1 INTRODUCTION

## Section I. GENERAL INFORMATION

### 1-1. SCOPE.

- a. Type of Manual. Operator's and Direct Support Maintenance Manual with Repair Parts and Special Tools List (RPSTL).
- b. Equipment Name and Model Number. D-1 Nozzle, model numbers D1N-1 and D-1R.
- c. Purposes of Equipment. The nozzle covered by this manual is a 2 1/2 inch (6.35) pressure fueling nozzle that has been qualified to MIL-N-5877. The nozzle is designed to mate with adapters conforming to MS24484 or equivalent.

### 1-2. MAINTENANCE FORMS AND PROCEDURES.

Department of the army forms and procedures used for equipment maintenance will be those prescribed by DA Pam 738-750 as contained in the Maintenance Management Update

### 1-3. CORROSION PREVENTION AND CONTROL (CPC).

Corrosion Prevention 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 rusting of metals, it can also include deterioration of other materials, such as rubber and plastic. Unusual cracking, softening, swelling, or breaking of these 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 keyword such as " corrosion ," " rust," " deterioration," or " cracking " will ensure that the information is identified as a CPC problem. The form should be submitted to the address specified in DA PA 738-750.

### 1-4. DESTRUCTION OF ARMY MATERIEL TO PREVENT ENEMY USE.

Methods and/or procedures for the destruction of Army materiel to prevent enemy use are covered in TM 750-244-3.