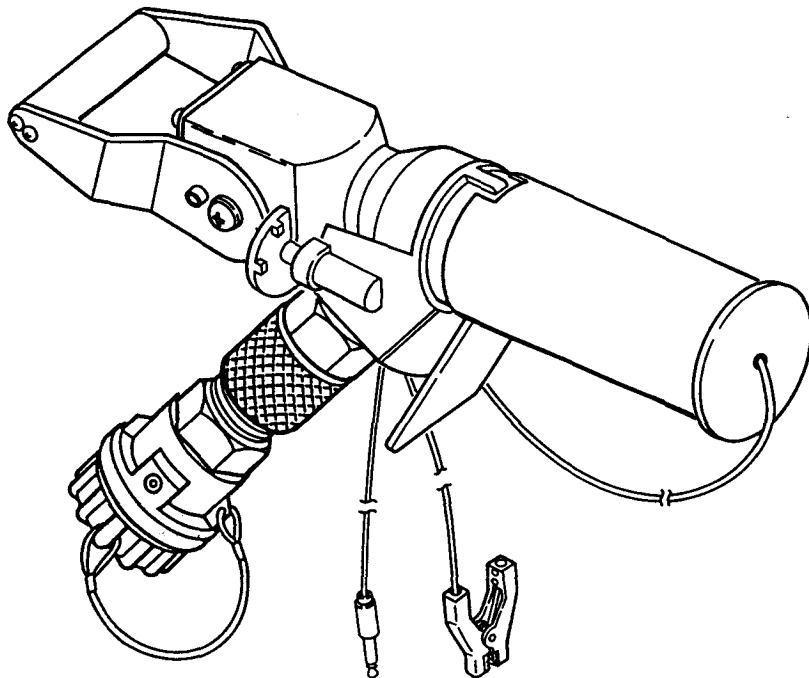


**TECHNICAL MANUAL**

**OPERATOR'S, UNIT, AND  
DIRECT SUPPORT  
MAINTENANCE MANUAL  
INCLUDING REPAIR PARTS  
AND SPECIAL TOOLS LIST**



**CLOSED-CIRCUIT  
REFUELING NOZZLE  
ASSEMBLY  
MODEL 64017B  
(NSN: 4930-01-383-9467)**

<b>OPERATING INSTRUCTIONS</b>	<b>2-1</b>	
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<b>UNIT MAINTENANCE</b>	<b>4-1</b>	
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<b>UNIT TROUBLESHOOTING</b>	<b>4-3</b>	
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<b>DIRECT SUPPORT MAINTENANCE</b>	<b>5-1</b>	
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<b>DIRECT SUPPORT TROUBLESHOOTING</b>	<b>5-1</b>	
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Distribution Statement A. Approved for public release; distribution is unlimited.

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HEADQUARTERS  
DEPARTMENT OF THE ARMY  
WASHINGTON, D.C. 28 February 1994

OPERATOR'S, UNIT, AND DIRECT SUPPORT  
MAINTENANCE MANUAL  
INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST (RPSTL)  
FOR  
CLOSED CIRCUIT REFUELING NOZZLE ASSEMBLY  
MODEL 64017B  
NSN: 4930-01-383-9467

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this publication. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Submit your DA Form 2028-2 (Recommended Changes to Equipment Technical Publications), through the Internet, on the Army Electronic Product Support (AEPS) website. The Internet address is <http://aeps.ria.army.mil>. If you need a password, scroll down and click on "ACCESS REQUEST FORM". The DA Form 2028 is located in the ONLINE FORMS PROCESSING section of the AEPS. Fill out the form and click on SUBMIT. Using, this form on the AEPS will enable us to respond quicker to your comments and better manage the DA Form 2028 program. You may also mail, fax or email your letter, DA Form 2028, or DA Form 2028-2 direct to: Commander, U.S. Army Tank -automotive and Armaments Command, ATTN: AMSTA-AC-NML, Rock Island, IL 61299-7630. The email address is [amsta-ac-nml@ria.army.mil](mailto:amsta-ac-nml@ria.army.mil). The fax number is DSN 793-0726 or Commercial (309) 782-0726.

TABLE OF CONTENTS

	PAGE
HOW TO USE THIS MANUAL .....	iii
<b>CHAPTER 1. INTRODUCTION</b> .....	<b>1-1</b>
Section I. General Information .....	1-1
Section II. Equipment Description .....	1-3
Section III. Principles of Operation .....	1-5
<b>CHAPTER 2. OPERATING INSTRUCTIONS</b> .....	<b>2-1</b>
Section I. Description and Use of Operator's Controls and Indicators .....	2-1
Section II. Operator Preventive Maintenance Checks and Services (PMCS) .....	2-3
Section III. Operation Under Usual Conditions .....	2-10
Section IV. Operation Under Unusual Conditions .....	2-13
<b>CHAPTER 3. OPERATOR MAINTENANCE INSTRUCTIONS</b> .....	<b>3-1</b>
Section I. Lubrication Instructions .....	3-1
Section II. Operator Troubleshooting .....	3-1
Section III. Operator Maintenance Procedures .....	3-4
<b>CHAPTER 4. UNIT MAINTENANCE</b> .....	<b>4-1</b>
Section I. Repair Parts and Special Tools List .....	4-1
Section II. Unit Preventive Maintenance Checks and Services (PMCS) .....	4-2
Section III. Unit Troubleshooting Procedures .....	4-3
Section IV. Unit Maintenance Procedures .....	4-7
Section V. Preparation for Storage or Shipment .....	4-12.4

TABLE OF CONTENTS - continued

	PAGE
<b>CHAPTER 5. DIRECT SUPPORT MAINTENANCE</b> . . . . .	<b>5-1</b>
Section I. Direct Support Troubleshooting . . . . .	5-1
Section II. Direct Support Maintenance Instructions . . . . .	5-1
<b>APPENDICES</b>	
Appendix A. References . . . . .	A-1
Appendix B. Maintenance Allocation Chart . . . . .	B-1
Appendix C. Repair Parts and Special Tools List . . . . .	C-1
Section I. Introduction . . . . .	C-1
Section II. Repair Parts List . . . . .	C-1
Group 01 Figure 1. Nozzle Assembly . . . . .	C-8
Group 02 Figure 2. Special Tools . . . . .	C-9
Appendix D. Components of End Item and Basic Issue Items List . . . . .	D-1
Appendix E. Additional Authorization List . . . . .	E-1
Appendix F. Expendable and Durable Items List . . . . .	F-1
Appendix G. Lubrication Instructions . . . . .	G-1
Appendix H. Illustrated List of Manufactured Items . . . . .	H-1
Appendix I. Torque Limits . . . . .	I-1
Appendix J. Mandatory Replacement Parts . . . . .	J-1
GLOSSARY . . . . .	Glossary-1
ALPHABETICAL INDEX . . . . .	Index-1

## HOW TO USE THIS MANUAL

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

This manual incorporates a quick reference tab feature that allows you to quickly locate the most often referenced subjects and topics appearing in this manual. The reference tab feature is comprised of the following components:

### **Cover Page Index**

Index boxes are located on the right-hand edge of the cover page. Each index box contains a subject title, page number, and black index tab.

### **Table of Contents**

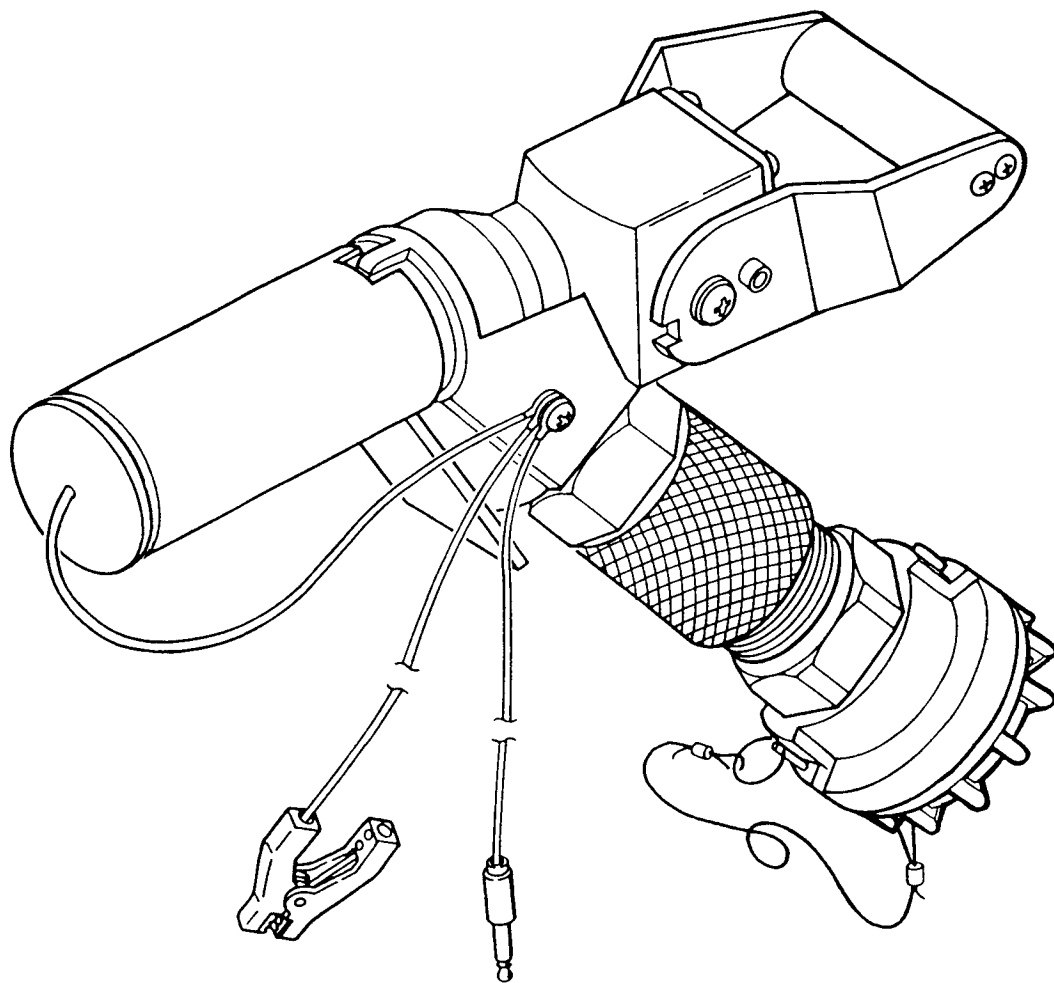
The Table of Contents lists all the major subjects contained in this manual. Subjects that are surrounded by a black box correspond to those that appear on the cover page index.

### **Page Numbers and Index Tabs**

Each page of this manual is identified with a page number. Pages that contain the subjects identified on the cover page index also contain a black tab on the right edge of the page that aligns with the cover page index tab.

To use the quick reference tab feature, select the title of the subject you are trying to find from the cover page index. You can turn to the indicated page number or bend the pages back and locate the page tab that aligns with the cover index tab.

If the cover page is lost or badly worn, page numbers and index tabs can be located by referring to the Table of Contents.



## CHAPTER 1

### INTRODUCTION

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#### Section I. GENERAL INFORMATION

##### **1-1. SCOPE.**

- a. Type of Manual. Operator's, Unit, and Direct Support Maintenance Manual, including Repair Parts and Special Tools List (RPSTL).
- b. Model Number and Equipment Name. Model 64017B Nozzle Assembly, Closed-Circuit Refueling.
- c. Purpose of Equipment. The Closed Circuit Refueling Nozzle Assembly (CCR Nozzle) is a component of the HEMTT Tanker Aircraft Refueling System (HTARS) and the Advanced Aviation Forward Area Refueling System (AAFARS). The CCR Nozzle's primary purpose is to fuel/refuel aircraft and motor vehicles. Fueling of motor vehicles requires the use of a gravity fill nozzle adapter connected to the CCR Nozzle. The adapter is supplied with HTARS and AAFARS.

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

Maintenance forms and records that you are required to use are DA Form 2402 (Exchange Tag), DA Form 5504 (Maintenance Request), and Standard Form 368 (Quality Deficiency Report). Their use and procedures for filling these forms are explained in DA PAM 738-750, The Army Maintenance Management System (TAMMS)

##### **1-3. DESTRUCTION OF ARMY MATERIEL TO PREVENT ENEMY USE.**

Refer to TM 750-244-3 for instructions for destruction of equipment to prevent enemy use.

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

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 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 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. Using key words 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 PAM 738-750.