

TECHNICAL MANUAL

OPERATOR'S AND AVIATION INTERMEDIATE

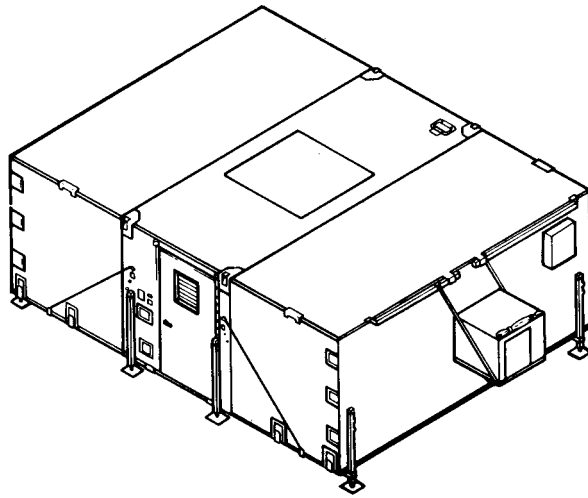
(INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST)

FOR

SHELTER, SHOP SET, AVIATION
INTERMEDIATE MAINTENANCE,
(DIV) FIRE CONTROL REPAIR,
AIRMOBILE, SHELTER-MOUNTED
4931-01-093-2767

HEADQUARTERS, DEPARTMENT OF THE ARMY

OCTOBER 1982



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TECHNICAL MANUAL

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HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, 29 October 1982

Operator's and Aviation
Intermediate Maintenance Manual
(Including Repair Parts and Special Tools List)
for
SHELTER, SHOP SET, AVIATION INTERMEDIATE MAINTENANCE,
(DIV) FIRE CONTROL REPAIR, AIRMOBILE, SHELTER-MOUNTED
4931-01-093-2767

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 the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2, located in the back of this manual, direct to: Commander, US Army Armament Materiel Readiness Command, ATTN: DRSAR-MAS, Rock Island, IL 61299. A reply will be furnished directly to you.

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HOW TO USE THIS MANUAL

MANUAL OVERVIEW

This manual contains maintenance procedures for the fire control repair shop set, including instructions for authorized fabrication of components. Illustrations are provided for the maintenance procedures.

GENERAL

- a. All references in this manual are to pages or to another publication.
- b. The designation of left and right is determined by looking inside from the cargo door.
- c. Whenever the male gender is mentioned (i.e., crewman, repairman) in the manual, it also pertains to females.

INDEXES

This manual is organized to quickly find the information needed. There are several useful indexes.

- a. Front Cover Index. Is a tabbed index of major functions and appendixes. Keyed to tabbed pages in the manual.
- b. Table of Contents. Lists in order all chapters, sections, and appendixes. Gives page references.
- c. Nomenclature Cross-Reference and List of Abbreviations.
 - (1) Nomenclature Cross-Reference. Gives an alphabetical list of common names and official nomenclature used in the manual.

- (2) List of Abbreviations. Is an alphabetical list of uncommon abbreviations used in the manual.

- d. Chapter Indexes. At the beginning of each chapter. List paragraphs in alphabetical order. Reference pages.

- e. Symptom Index. Located just before the troubleshooting table in maintenance chapter 3. Lists in alphabetical order parts of the shop set with possible malfunctions. References pages of the troubleshooting table.

- f. Alphabetical Index. Located at the end of the manual. An extensive subject index for everything in the manual. Gives page references.

MAINTENANCE PROCEDURES

- a. General. The maintenance instructions begin with a summary procedure, followed by detailed procedures for each maintenance task.

- b. Summary Procedure. Made up of two parts--initial setup and list of tasks. Used only when doing maintenance on the entire shop set. (For maintenance of an individual assembly, use the detailed procedures for each maintenance task.)

- (1) Initial Setup. Is a list of everything needed in order to do the maintenance task:

- Test Equipment--Lists all test equipment required to perform the procedures.

MAINTENANCE PROCEDURES (cont)

Special Tools--Lists tools needed to perform the maintenance tasks.

Materials/Parts--Lists expendable materials and 100% replaceable parts. Each material or part is followed by a part number. If more than one part is needed, the quantity needed precedes the part number.

Personnel Required--Lists the number of personnel needed and what they will be doing.

References--Lists other publications, appendixes, and maintenance procedures containing necessary information.

Troubleshooting References--Lists malfunctions which can be corrected by following the maintenance procedure.

Equipment, Conditions--Lists conditions to be met before starting the procedure. The reference on the left of the condition is a page reference to instructions for setting up the condition. At the end of each condition is a reference to the maintenance procedure to which the condition applies.

(2) List of Tasks. Summarizes in outline form the major tasks involved in the procedure. Gives page references to troubleshooting table and detailed procedures.

c. Detailed Procedures. Contain an initial setup plus step-by-step procedures.

(1) Initial Setup. Gives a list of everything needed in order to perform maintenance on each part of the shop set. See explanation of initial setup above. The only difference in an initial setup for a detailed procedure is that there is no reference under equipment conditions to a maintenance paragraph.

(2) Step-By-Step Procedures. Are illustrated procedures for maintenance authorized in the MAC, appendix B. For replacement of parts, refer to appendix C.

Also included in chapter 3 are procedures for:

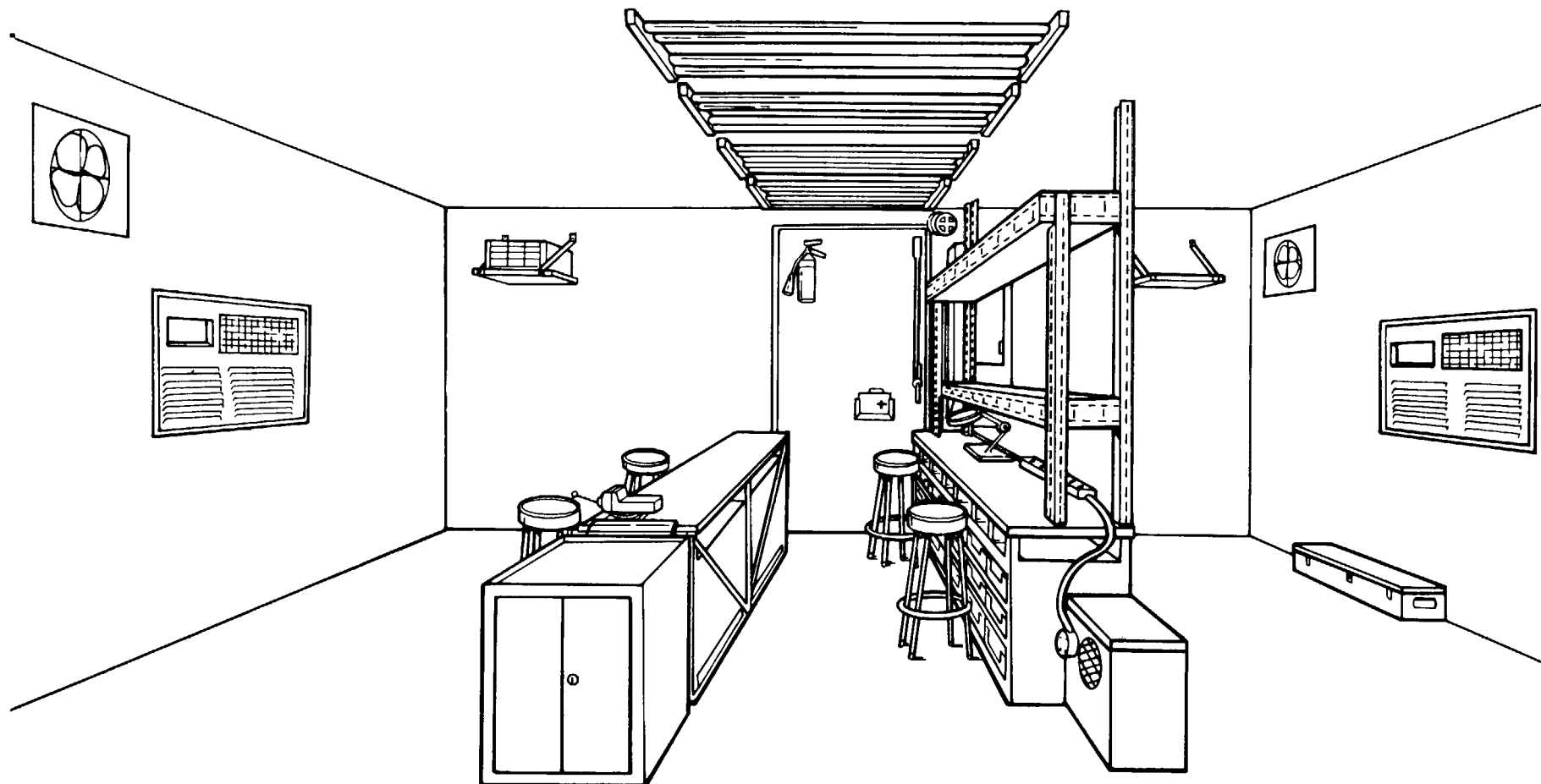
- (a) Service upon receipt of the equipment--page 3-2.
- (b) Troubleshooting--page 3-5.

REPAIR PARTS AND SPECIAL TOOLS LIST

a. Repair Parts and Special Tools. Designed for operator's and aviation intermediate maintenance and are listed in appendix C.

b. Parts List. Is composed of functional groups, and follows MAC order. Parts in each group are listed in figure and item number sequence.

c. Illustrations. Illustrations and item numbers with repair parts authorized for operator's and aviation intermediate maintenance are in this manual.



SHELTER, SHOP SET, AVIM, (DIV) FIRE CONTROL REPAIR, AIRMOBILE, SHELTER-MOUNTED

CHAPTER 1 INTRODUCTION

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Section I. GENERAL INFORMATION

1-1. SCOPE

- a. Type of Manual: Operator's and aviation intermediate maintenance.
- b. Equipment Name and Part Number: Shelter, shop set, aviation intermediate maintenance, (DIV) fire control repair, airmobile, shelter-mounted, part number 11729123.
- c. Purpose of Equipment: Portable facility (shelter with tools and shop equipment) for maintenance of fire control equipment in aviation intermediate maintenance units.

1-2. MAINTENANCE FORMS, RECORDS, AND REPORTS

Department of the Army forms and procedures used for equipment maintenance will be those prescribed by TM 38-750, The Army Maintenance Management System (TAMMS).

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

Refer to TM 750-244-3 and TM 750-244-1-4 for procedures concerning destruction of this materiel.

1-4. PREPARATION FOR STORAGE OR SHIPMENT[

The shop set should be placed in the stowed condition (p 2-16) prior to storage or shipment.

1-5. NOMENCLATURE CROSS-REFERENCE

Common Name	Official Nomenclature
Airhose	Airhose assembly, nonmetallic
Angle	Bracket, angle
AVIM sheet metal shop set	Airmobile sheet metal aviation intermediate maintenance shop set