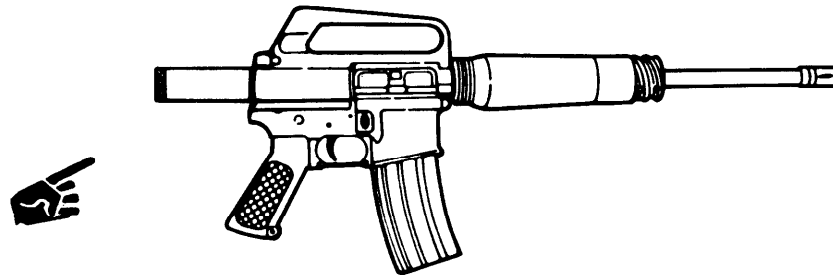


**TM 9-1005-309-23&P**

**TECHNICAL MANUAL**

**ORGANIZATIONAL AND DIRECT SUPPORT  
MAINTENANCE MANUAL  
(INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST)  
FOR  
SUBMACHINE GUN, 5.56-MM:  
PORT, FIRING, M231  
(1005-01-081-4582)**



**HEADQUARTERS, DEPARTMENT OF THE ARMY  
MARCH 1983**

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Organizational and Direct Support Maintenance Manual  
 (Including Repair Parts and Special Tools List)

for

SUBMACHINE GUN, 5.56-MM:  
 PORT, FIRING, M231  
 (1005-01-081-4582)

Current as of August 25, 1986 for appendix C

**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, Munitions and Chemical Command, ATTN: AMSMC-MAS, Rock Island, IL 61299-6000. A reply will be furnished to you.

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## HOW TO USE THIS MANUAL

**GENERAL**

In order to use this manual efficiently, there are several things you need to know.

a. Warnings, cautions, and notes appear throughout the manual and are means of attracting attention to essential or critical information.

b. You must familiarize yourself with the entire maintenance procedure before beginning the maintenance task.

c. References in the manual are to pages, appendices, or to other publications.

**INDEXES**

This manual has several useful indexes to help you quickly find the information needed:

a. Front Cover Index. Is a tabbed index of key sections and appendices. Keyed to tabbed pages in the manual.

b. Table of Contents. Lists in order all chapters, sections, appendices, and the alphabetical index. Gives page references.

c. Official Nomenclature, Names, and Designations. Gives an alphabetical list of common names and official nomenclature used in the manual.

d. Symptom Index. Located just before the troubleshooting table in each maintenance chapter. Lists in

alphabetical order the possible malfunctions. References pages of the troubleshooting table.

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

**MAINTENANCE PROCEDURES**

Maintenance procedures found in chapters 2 and 3 are in two parts--summary procedures and detailed procedures. Procedures are in disassembly sequence as authorized in the maintenance allocation chart, appendix B.

a. Summary Procedure. Made up of two parts--initial setup and list of tasks. Used only when doing maintenance on the entire M231 submachine gun. (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:

Tools and 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 or appendix reference. If more than one part is needed, the quantity needed precedes the part number or reference.

Personnel Required--Identifies the personnel required to perform the maintenance task.

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

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 task numbers in the list of tasks to which the condition applies.

General Safety Instructions--Includes any general safety information that applies throughout the procedure.

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

b. Detailed Procedures. Immediately follow each summary procedure. Also 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 M231 submachine gun. See explanation of initial setup above.

(2) Step-By-Step Procedures. Are illustrated procedures for maintenance authorized in the maintenance allocation chart (MAC), appendix B, and the repair parts and special tools list (RPSTL), appendix C.

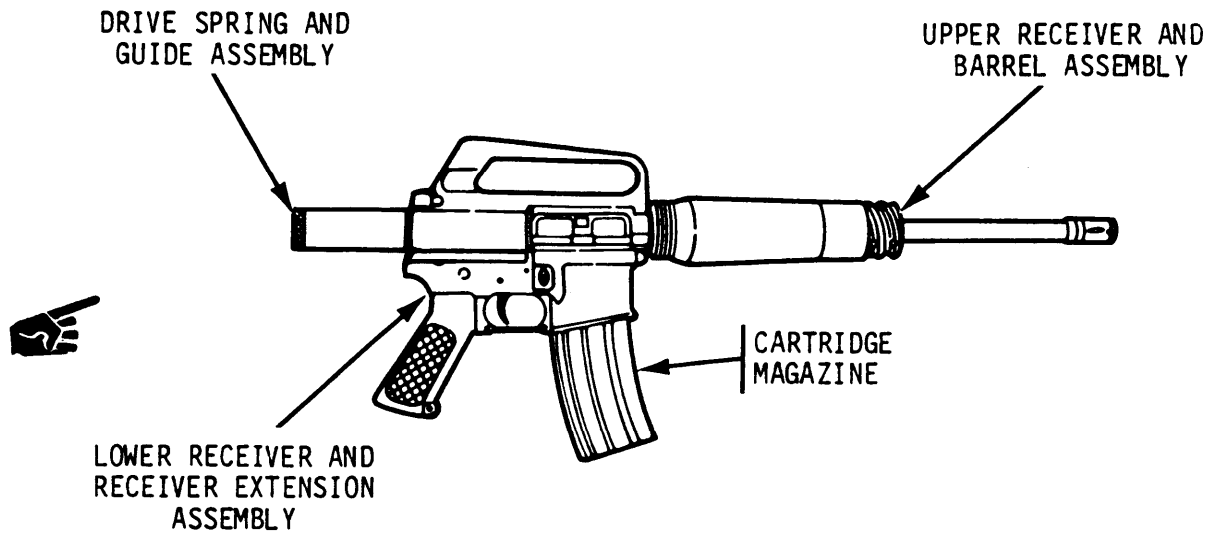
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## REPAIR PARTS AND SPECIAL TOOLS LIST

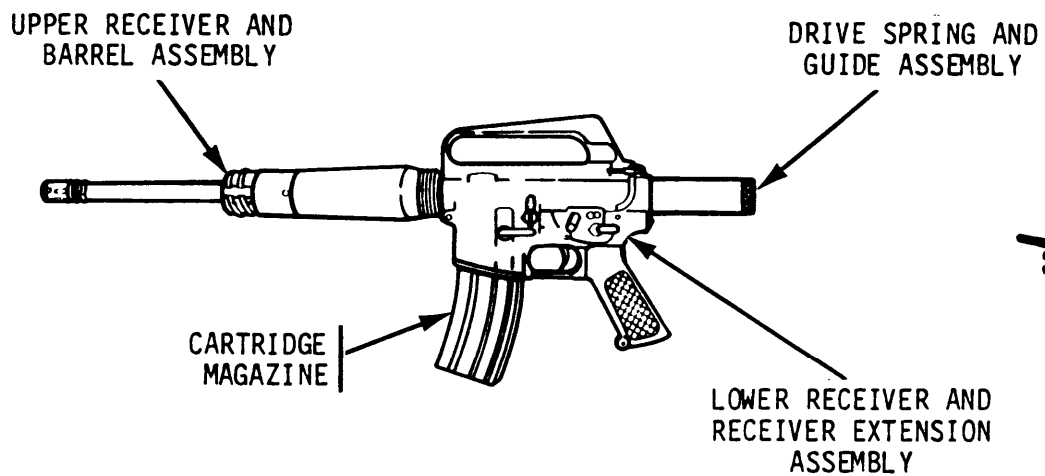
a. Repair Parts and Special Tools. Designed for organizational and direct support maintenance and are listed in appendix C.

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 for repair parts authorized for organizational and direct support maintenance are in this manual.



RIGHT SIDE



LEFT SIDE

M231 SUBMACHINE GUN

# CHAPTER 1 INTRODUCTION

## Section I GENERAL INFORMATION

### 1-1. SCOPE

a. Type of Manual: Organizational and direct support maintenance (including repair parts and special tools list (RPSTL)).

b. Model Number and Equipment Name: M231 firing port 5.56-mm submachine gun.

c. Purpose of Equipment: To provide personnel inside vehicle a suppressive fire capability. M231 submachine gun can be removed for field use under emergency combat conditions. The weapon is not authorized for off-vehicle use during training.

### 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

Refer to TM 750-244-7.

### 1-4. PREPARATION FOR STORAGE OR SHIPMENT

Requirements for storage or shipment are listed on page 3-60.

### 1-5. OFFICIAL NOMENCLATURE, NAMES, AND DESIGNATIONS

#### Nomenclature Cross-Reference List

Common Name	Official Nomenclature
Barrel and extension assembly . . . . .	Barrel and barrel extension assembly
Barrier material . . . . .	Barrier material, grease-proofed-waterproofed
Fiberboard box . . . . .	Box, shipping
Gas metallic bent tube . . . . .	Tube, bent, metallic
Helical sear spring . . . . .	Spring, helical torsion
Inner helical compression spring . . . . .	Spring, helical compression
Lubricating oil (LSA) . . . . .	Lubricating oil, weapons
Middle helical compression spring . . . . .	Spring, helical compression
M231 submachine gun . . . . .	Submachine gun, 5.56-mm: port, firing, M231
Outer helical compression spring . . . . .	Spring, helical compression
Pressure sensitive tape . . . . .	Tape, pressure sensitive adhesive
Recoil buffer . . . . .	Buffer, recoil mechanism
Selector lever . . . . .	Fire control selector
Steel strapping . . . . .	Strapping
VCI treated material . . . . .	Paper, volatile corrosion inhibitor treated
Wooden box . . . . .	Box, shipping