

TECHNICAL MANUAL

DIRECT SUPPORT AND

GENERAL SUPPORT

MAINTENANCE MANUAL INCLUDING

REPAIR PARTS AND

SPECIAL TOOLS LIST

VOLUME I - TROUBLESHOOTING

VOLUME II - MAINTENANCE

MOUNT, PERISCOPE:

M 118 (1240-00-796-9686)

M 118 E1 (1240-00-348-8446)

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MOUNT, PERISCOPE:
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Current as of 27 May 1983 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, 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 directly to: Commander US Army Armament, Munitions and Chemical Command ATTN: DRSMC-MAS (R) Rock Island, IL 61299 A reply will be furnished to you.

*This manual supersedes TM 9-1240-271-35, June 1965, including all changes and TM 9-1240-271-35P, October 1970.

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HOW TO USE THIS MANUAL

This manual has two volumes of maintenance information you will need to repair and service the M118 and M118E 1 Periscope Mounts.

- Volume I - Troubleshooting
- Volume II- Maintenance

The organization paragraph in each volume tells you what information you can find in each chapter and appendix.

There are four ways to find any maintenance information you need:

- Index on the front cover which tells what information is contained in each chapter
- Table of Contents located at the front of the manual which has a complete listing by paragraph number and page number
- Performance Test (Vol I, Chap 2)
- Maintenance Task Index (Vol II, App B) which lists major assemblies, subassemblies, and paragraph numbers of all maintenance procedures

Before doing any maintenance, you should read and understand HOW TO TROUBLESHOOT on page 1-2. If you do not know the equipment well, you should read the section on description and data (Vol II, Chap 1).

Throughout the manual, reference is made to a Job Performance Guide 113-091-9000R (JPG 41 C) which helps you to develop skills in doing the maintenance tasks.

CHAPTER I

INTRODUCTION

1-1. SCOPE

This volume contains troubleshooting requirements for direct support and general support (DS/GS) maintenance of the M 1 18 and M118E1 Periscope Mounts. See Volume II for maintenance procedures.

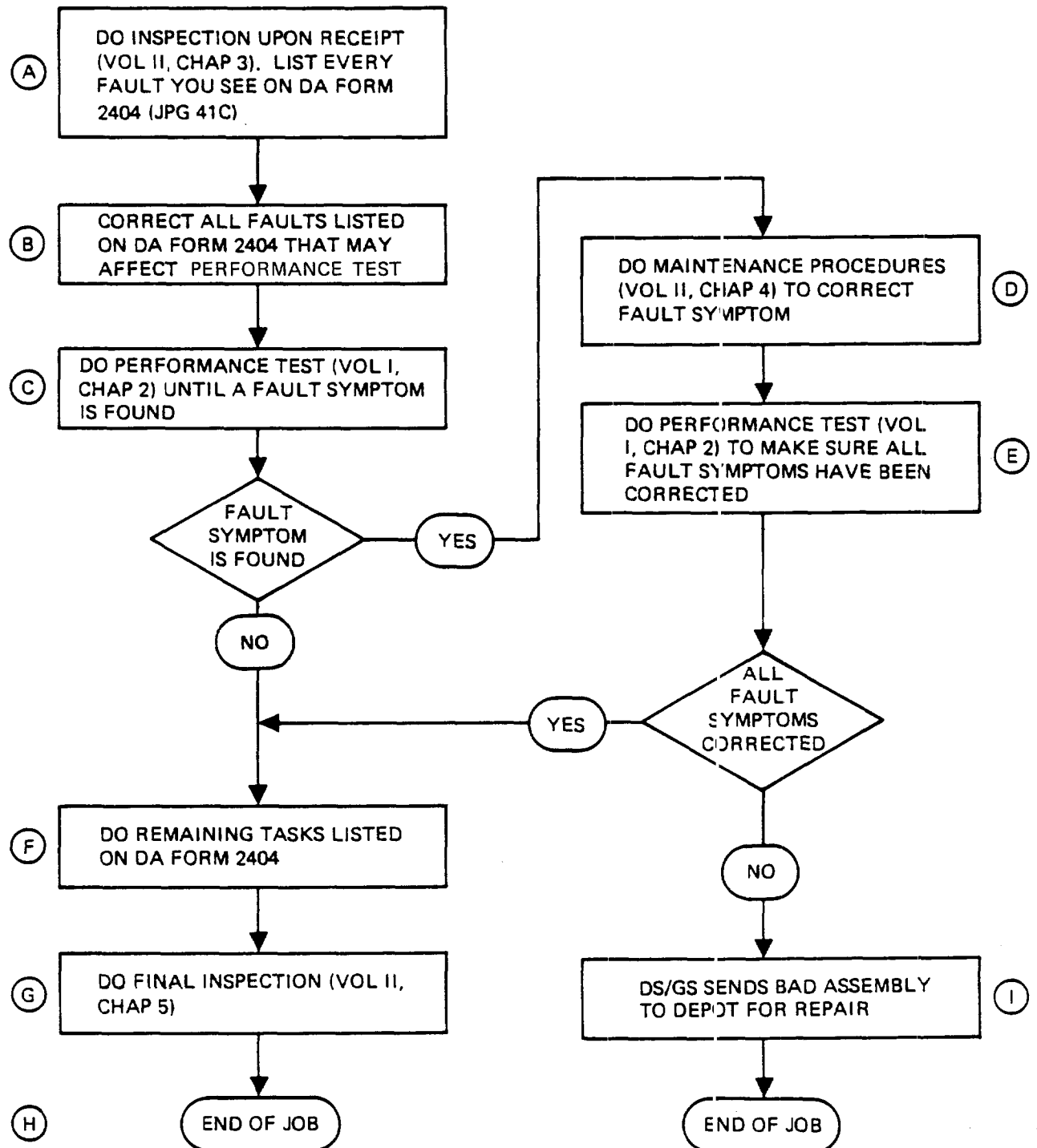
1-2. ORGANIZATION

The troubleshooting requirements for checking out the M118 and M118E1 Periscope Mounts and for finding fault symptoms are given in Chapter 2. See paragraph 1-3 for how to troubleshoot.

1-3. HOW TO TROUBLESHOOT

The following steps tell you how to troubleshoot. A diagram of these steps is on page 1-3.

- (A) Do a visual check and list any faults on DA Form 2404 before making repairs. See Vol II, Chap 3 for what to check for.
- (B) If you see any faults that may affect the performance test, fix them now. This does not mean small things like painting scratches.
- (C) Do the performance test in Vol I, Chap 2 from the beginning until you find a fault symptom.
- (D) Do the maintenance action required to correct the fault (Vol 11, Chap 4).
- (E) After the bad part has been repaired or replaced, do the performance test in Chapter 2 again. This is to make sure the new part has fixed the problem.
- (F) If all the faults are now corrected, do the maintenance tasks on DA Form 2404.
- (G) Do the final inspection given in Vol II, Chap 5.
- (H) The job is over and the good assembly is sent back to service.
- (I) If all faults were not corrected after step E, the bad assembly is sent back to the depot for repair.

1-3. HOW TO TROUBLESHOOT (CONT)

CHAPTER 2

TROUBLESHOOTING

2-1. SCOPE

Troubleshooting of the M118 and M118E 1 Periscope Mounts is done by following the performance test in this chapter. If you find a symptom, look in the maintenance action column to find out what to do to correct it.

2-2. PERFORMANCE TEST

PERSONNEL: One

EQUIPMENT CONDITION: Periscope mount on work bench or in vehicle