

TECHNICAL MANUAL

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DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE MANUAL INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST

VOLUME I - TROUBLESHOOTING VOLUME II - MAINTENANCE

**MOUNT, PERISCOPE:
M119 (1240-00-394-3148)
M119E1 (1240-00-394-3149)**

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Technical Manual
No. TM 9-1240-272-34&P

HEADQUARTERS,
DEPARTMENT OF THE ARMY
Washington, D.C.,

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Current as of 16 August 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 U.S. Army Armament, Munitions and Chemical Command ATTN: DRSMC-MAS (R) Rock Island, IL 61299 A reply will be furnished to you.

*This manual supersedes the DS/GS portion of TM 9-1240-272-35, April 1964 and TM 9-1240-272-35P, October 1970, including all changes.

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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 M119 and M119E1 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 41C) which helps you to develop skills in doing the maintenance tasks.

TECHNICAL MANUAL

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VOLUME I - TROUBLESHOOTING
MOUNT, PERISCOPE: M119/M119E1

CHAPTER 1

INTRODUCTION

1-1. SCOPE

This volume contains troubleshooting requirements for direct support and general support (DS/GS) maintenance of the M119 and M119E1 Periscope Mounts. See Volume II for maintenance procedures.

1-2. ORGANIZATION

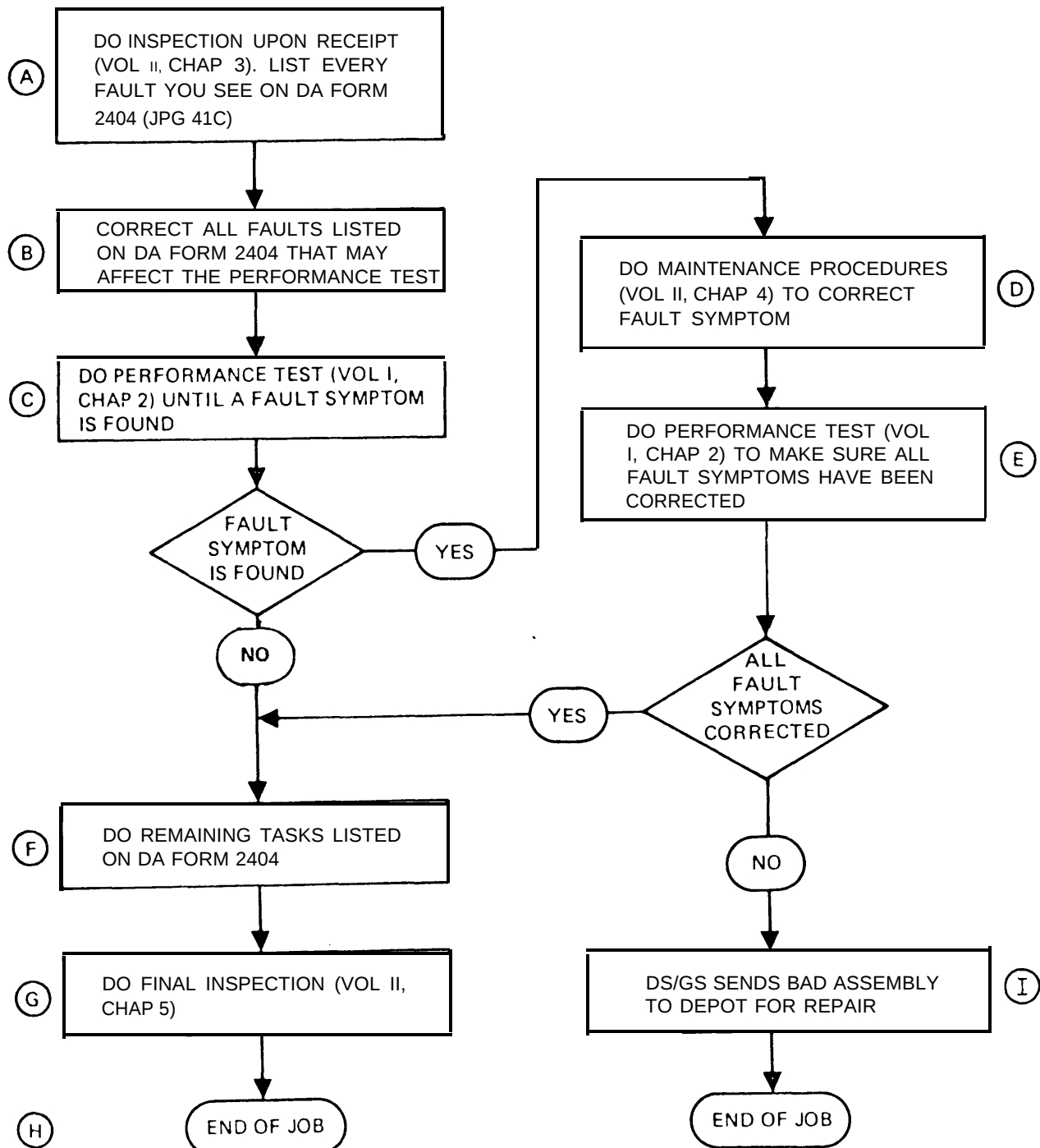
All troubleshooting requirements for checking out the M119 and M119E1 Periscope Mounts and for finding fault symptoms are given in Chapter 2. See paragraph 1-3 for how to troubleshoot.

1-3. HOW TO TROUBLESHOOT

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

- Ⓐ 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.
- Ⓑ If you see any faults that may affect the performance test, fix them now. This does not mean small things like painting scratches.
- Ⓒ Do the performance test in Vol I, Chap 2 from the beginning until you find a fault symptom.
- Ⓓ Do the maintenance action required to correct the fault (Vol II, Chap 4).
- Ⓔ 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.
- Ⓕ If all the faults are now corrected, do the remaining maintenance tasks on DA Form 2404.
- Ⓖ Do the final inspection given in Vol II Chap 5.
- Ⓗ The job is over and the good assembly is sent back to service.
- Ⓘ If all fault symptoms 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 M119 and M119E1 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

2-2. PERFORMANCE TEST (CONT)

FRAME 1			
Step	Procedure	Symptom	Maintenance Action
	NOTE Check which configuration is being tested and follow the appropriate illustration.		
1.	Loosen thumbscrew (1) and check that right headrest (2) can be moved up and down.	Right headrest does not move.	Replace bent or broken parts (Vol II, para 4-13).
2.	Push back on lever (3) and check that right headrest (2) moves from left to right.	Right headrest does not move.	Replace bent or broken parts (Vol II, para 4-13).
3.	Push back on lever (4). and check that left headrest (5) moves from right to left.	Left headrest does not move.	Replace bent or broken parts (Vol II, para 4-18).
4.	Turn handle (6) clockwise and open shield (7) by pushing handle as far up as it will go.	Shield does not open.	Replace bent or broken parts (Vol II, para 4-3).
5.	Turn handle (6) counterclockwise and check that shield (7) locks in six different positions and hooks into slots (8).	Shield does not lock.	Replace bent or broken parts (Vol II, para 4-3).
	NOTE FOLLOW-ON MAINTENANCE Correct remaining faults listed on DA Form 2404. Do final adjustment (Vol II, para 5-2). Do final inspection (Vol II, para 5-3). END OF TASK		

2-2. PERFORMANCE TEST (CONT)

