

TM 9-1265-370-10-1

Supersedes copy dated 22 January 1982

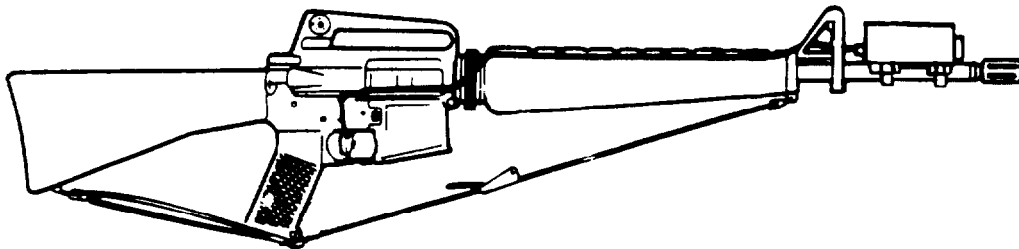
OPERATOR'S MANUAL

MULTIPLE INTEGRATED LASER
ENGAGEMENT SYSTEM
(MILES)

SIMULATOR SYSTEM, FIRING LASER: M60
(NSN 1265-01-085-1583)

FOR

M16A1 AND M16A2 RIFLE



(Not for use with Small Arms Transmitter (SAT) NSN 1265-01-236-6725)

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

HEADQUARTERS, DEPARTMENT OF THE ARMY

JULY 1988

OPERATOR'S MANUAL
FOR
MULTIPLE INTEGRATED LASER ENGAGEMENT SYSTEM (MILES)
SIMULATOR SYSTEM, FIRING, LASER: M60
(NSN 1265-01-085-1583)
FOR
M16A1 AND M16A2 RIFLE

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 back of this manual direct to: Commander U.S. Army Simulation, Training, and Instrumentation Command (STRICOM), ATTN: AMSTI-LSM, 12350 Research Parkway, Orlando, FL 32826-3276. A reply will be furnished to you.

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Storage Instructions

Equipment Distribution:

The MILES equipment for the M16A1 or M16A2 is shown in Task 1 of this Technical Manual (TM). Use the picture with Task 1 as a guide for equipment distribution. Be sure to issue a copy of this TM along with the MILES equipment.

Equipment Return and Storage:

CAUTION

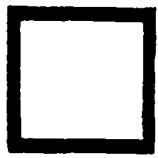
**MAKE CERTAIN THAT THE MWLD TORSO AND
HELMET HARNESSSES ARE COMPLETELY DRY
BEFORE STORAGE IN TRANSIT CASE.**

When receiving equipment for storage, always inspect the returned equipment using Task 14 in this TM for guidance.

Return all MILES equipment and the TMs to their transit cases.

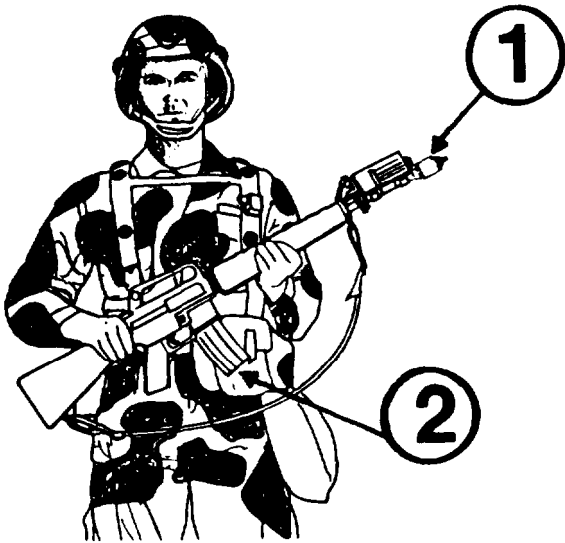
Special Instructions for Infrequently Used Equipment:

If M16A1 or M16A2/MILES equipment is unused for 60 days, remove from transit cases and perform Tasks 1, 2, 3, 8, and 14.



Skills Needed To Use This Manual

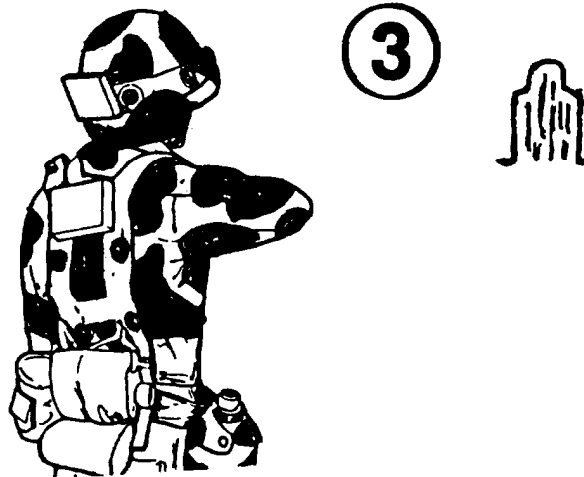
To use this manual, you should be able to:



1. Put a blank-fire attachment on the M16A1 or M16A2 rifle.

2. Load and fire blank ammunition.

3. Zero the M16A1 or M16A2 rifle sights.
(See TM 9-1005-249-10).



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1. SUPPORT AGENT ADDRESS		2. DATE	
3. AGENT'S SIGNATURE		4. AGENT'S SIGNATURE	
5. AGENT'S SIGNATURE		6. AGENT'S SIGNATURE	
7. AGENT'S SIGNATURE		8. AGENT'S SIGNATURE	
9. AGENT'S SIGNATURE		10. AGENT'S SIGNATURE	
11. AGENT'S SIGNATURE		12. AGENT'S SIGNATURE	
13. AGENT'S SIGNATURE		14. AGENT'S SIGNATURE	
15. AGENT'S SIGNATURE		16. AGENT'S SIGNATURE	
17. AGENT'S SIGNATURE		18. AGENT'S SIGNATURE	
19. AGENT'S SIGNATURE		20. AGENT'S SIGNATURE	

4. Complete DA Form 2402.

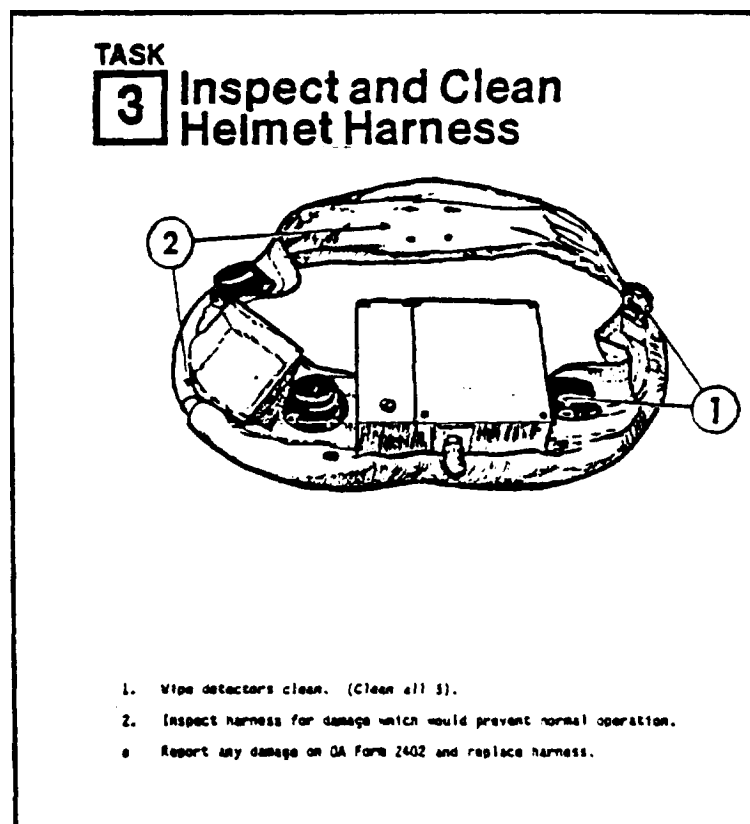
If you can not do all of the above tasks, ask your NCO or instructor to show you how. When you can do all these tasks, go on to the next page.



How to Use This Manual

Before you use any M161A1 or M16A2/MILES equipment, read this manual.

- The first part of the manual briefly explains the purpose of the equipment and how it is used.
- Then comes step-by-step guidance for every task you need to do with the M16A1 or M16A2/MILES equipment.



- The task pages look like this. Some longer tasks run more than one page. Before you begin a task, read all of the steps in that task and look at each drawing carefully. To help perform the task, some steps have matching numbers in the drawings. Do each step just the way you are instructed.
- In the remainder of this manual, general reference to both the M16A1 and M16A2 will be made simply as "M16"; information that applies to a particular type weapon will specify which type.

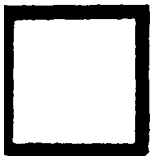
HOW TO USE THIS MANUAL (CONTINUED).

Do each task in the order it occurs in the manual.

DON'T JUMP AHEAD - DON'T SKIP ANY STEPS -

If your equipment has a problem you can't fix using this manual, report it on DA Form 2401. To get a replacement, turn in the faulty equipment and the completed DA Form-2402 to your NCOIC.

In the back of this manual is a list of abbreviations and an explanation of terms (glossary) used in this manual. If you read a word you don't understand, check the abbreviations or glossary for an explanation.



General Information

This manual shows you how to operate and maintain the M16/MILES laser simulator equipment. The operator and maintenance tasks are listed in the Table of Contents on i and ii.

Purpose of Equipment:

The M16/MILES simulator is a battery-powered laser transmitter and detector system. The simulator allows realistic combat training without the hazards of using live ammunition.

Forms and Records:

a. Reports of Maintenance or Equipment Replacement.

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).

b. Reporting Equipment Improvement Recommendations (EIRs).

EIRs can and must be submitted by anyone who is aware of an unsatisfactory condition with the equipment design or use. It is not necessary to show a new design or list a better way to perform a procedure, just simply tell why the design is unfavorable or why a procedure is difficult. EIRs may be submitted on SF 368. Mail direct to:

Commander, U.S. Army Armament, Munitions and Chemical Command
ATTN: AMSMC-QAD
Rock Island, IL 61299-6000

A reply will be furnished to you.