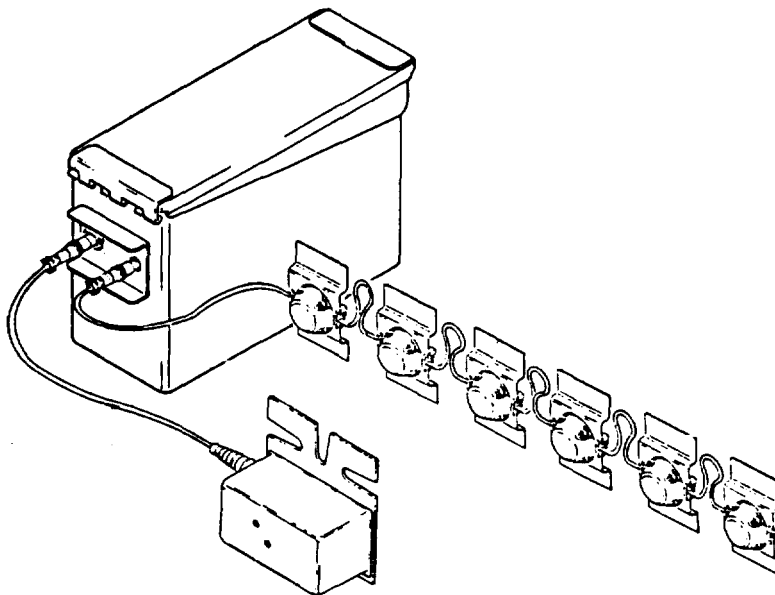


**TECHNICAL MANUAL
OPERATOR'S MANUAL
FOR
MULTIPLE INTEGRATED LASER
ENGAGEMENT SYSTEM
(MILES)
INDICATOR, SIMULATOR SYSTEM,
LASER TARGET INTERFACE DEVICE (LTID)
(NSN 1265-01-221-9438)**



Distribution Statement A: Approved for public release; distribution is unlimited.

DECEMBER 1989

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HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC 6 December 1989

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REPORTING OF ERRORS

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 Armament, Munitions and Chemical Command, ATTN: AMSMCMAS, Rock Island, Illinois, 61299-000. A reply will be furnished to you.

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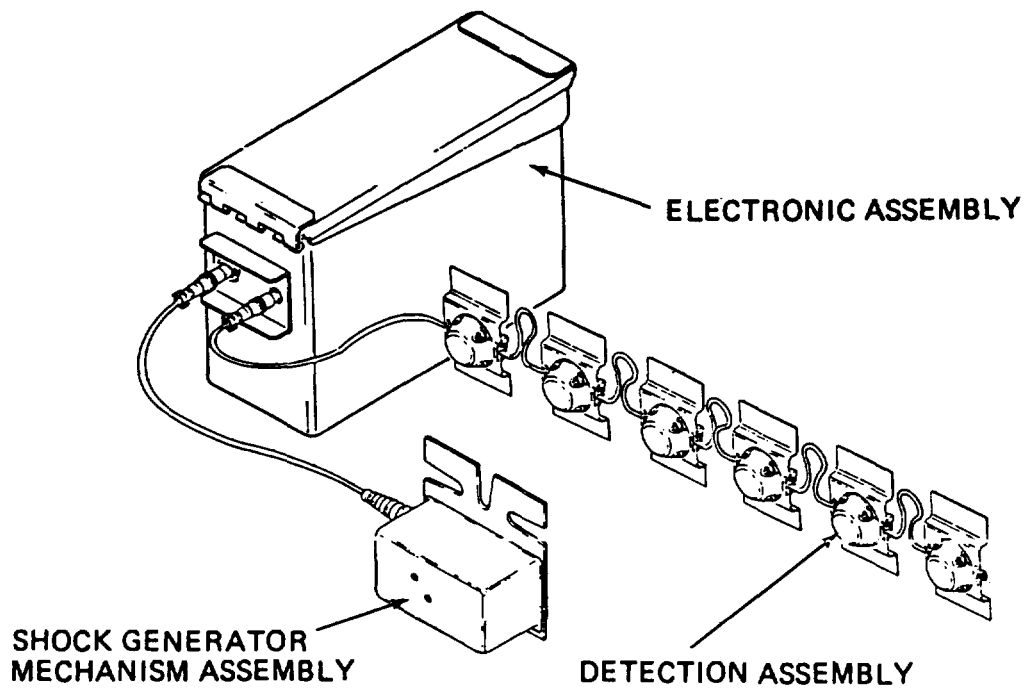
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CHAPTER 1

INTRODUCTION

SECTION I. GENERAL INFORMATION



SCOPE

TYPE OF MATERIAL. This manual shows you how to install and operate the Laser Target Interface Device (LTID) which is part of the Multiple Integrated Laser Engagement System (MILES). The LTID, 12629853, comprises the following units:

- Laser Target Interface Electronic Assembly, 12629861.
- Detection Assembly, 12629862.*
- Shock Generator Mechanism Assembly, 12629863.*

* Stored in a separate container.

NOTE**TO USE THIS MANUAL, YOU SHOULD BE ABLE TO:**

- Aim and fire a Controller's gun (ref. TM 9-1265-371-14&P).
- Set up range targets.
- Complete DA Form 2402 and 2404.

PURPOSE OF EQUIPMENT. The LTID permits effective target practice using tank, vehicular, or infantry weapons equipped with MILES without the hazards associated with live ammunition.

LIMITATION OF EQUIPMENT. The LTID has the same operational capabilities as other MILES devices equipped with laser detectors.

MAINTENANCE FORMS AND RECORDS. 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).

REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIRS). If your MILES equipment for the LTID needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design or performance. Put it on an SF 368 (Quality Deficiency Report). Mail the Quality Deficiency Report to us at Commander, U.S. Army Armament, Munitions and Chemical Command, ATTN: AMSMC-QAD, Rock Island, IL 61299-6000. We'll send you a reply.

CORROSION PREVENTION AND CONTROL. Corrosion Prevention and Control (CPC) of Army material is a continuing concern. It is important that any corrosion problems with this item be reported so that the problem can be corrected and improvements can be made to prevent the problem in future items.

While corrosion is typically associated with rusting of metals, it can also include deterioration of other materials such as rubber and plastic. Unusual cracking, softening, swelling, or breaking of these materials may be a corrosion problem.

If a corrosion problem is identified, it can be reported using Standard Form 368, Quality Deficiency Report. Use of key words such as "corrosion", "rust", "deterioration" or "cracking" will assure that the information is identified as a CPC problem.

The form should be submitted to:

Commander
U.S. Army Armament, Munitions and Chemical Command
ATTN: AMSMC-AD/Customer Feedback Center
Rock Island, Illinois 61299-6000"

REFERENCE INFORMATION

This listing includes a List of Abbreviations and Glossary defining terms used in this Technical Manual.

LIST OF ABBREVIATIONS

LTID	Laser Target Interface Device.
MILES	Multiple Integrated Laser Engagement System.

GLOSSARY

Controller Gun	Device used to check operation of MILES detector systems.
Detection Assembly	Device that senses a laser beam directed at target.
Fastener Tape	Hook-and-pile tape. Used to hold detection assembly on target.
Hit	A transmitter laser beam encounter with detector as indicated when target is knocked down or when shock generator mechanism responds.
Laser Beam	Invisible beam of light which simulates weapon fire in MILES.
Laser Transmitter	Device that sends the laser beam to target silhouette. SimulatorTraining device which takes the place of real equipment and which has many of its characteristics.