



**OPERATOR'S AND UNIT MAINTENANCE MANUAL
(Including Repair Parts and Special Tools List)
FOR**

**CARTRIDGE, 81MM: TARGET PRACTICE
(SHORT RANGE), M880
NSN 1315-01-216-7071
(1315-C876)**

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***TM 9-1315-252-12&P**

TECHNICAL MANUAL

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HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, 20 July 1993

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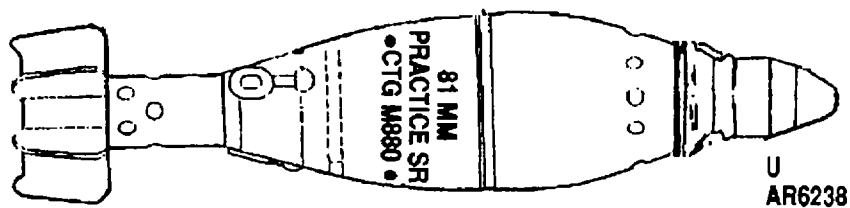
REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

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 or DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to Commander, U.S. Army Armament Research, Development and Engineering Center, ATTN: SMCAR-LSB, Picatinny Arsenal, New Jersey 07806-5000. A reply will be furnished to you.

*This manual supersedes TM 9-1315-252-12&P, dated 28 February 1992.

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Cartridge, 81mm: Target Practice (Short Range), M880.

CHAPTER 1 INTRODUCTION

SECTION I. GENERAL INFORMATION

SCOPE

This manual provides operating instructions for Cartridge, 81mm: Target Practice (Short Range), M880. Included are procedures for preparing, loading, firing, recovering and refurbishing ammunition. This publication is to be used in conjunction with TM 9-1015-249-10, Operator's Manual for Mortar 81mm: M252; TM 9-1015-200-10, Operator's Manual for Mortar 81mm: M29A1; TM 9-1015-254-13&P, 81mm Subcaliber Insert; or TM 91015-250-10, Operator's Manual for Mortar, 120mm Towed M120 and Mortar, 120mm Carrier-Mounted M121.

MAINTENANCE FORMS AND RECORDS

Department of Army forms and procedures used for equipment maintenance will be those prescribed by DA PAM 738-750 (The Army Maintenance Management System(TAMMS)).

REPORT OF DAMAGED OR IMPROPER SHIPMENT

Damaged or improper shipments will be reported immediately using SF 364 (Report of Discrepancy (ROD)), SF 361 (Transportation Discrepancy Report), and AR 55-38 (Report of Transportation Discrepancies in Shipments).

MALFUNCTION REPORTS

A malfunction is a failure of cartridge to perform as expected when fired. Malfunctions do not include accidents or fires from negligence or misuse. Reporting procedures are prescribed in AR 75-1 (Malfunctions Involving Ammunition and Explosives).

ACCIDENT REPORTS

Accidents involving injury to personnel or damage to materiel are reported on DA Form 285 (U.S. Army Accident Report) in accordance with AR 385-40 (Accident Reporting and Records).

FIRE REPORTS

DD Form 2324-1 (DOD Summary No Loss Fire Emergencies Report) or DD Form 2324 (DOD Fire Incident Report) will be used to report fired or explosions followed by fire. DD Form 2324-1 or DD Form 2324 will be submitted in addition to accident reports required by AR 385-40.

SECTION II. AMMUNITION DESCRIPTION

AMMUNITION CHARACTERISTICS, CAPABILITIES AND FEATURES

Cartridge, 81mm: Target Practice (Short Range), M880 can be fired from 81mm M252 Mortar or 81mm M29 (Series) Mortar using standard sight/fire control equipment and firing table FT 81-AR-1, C4.

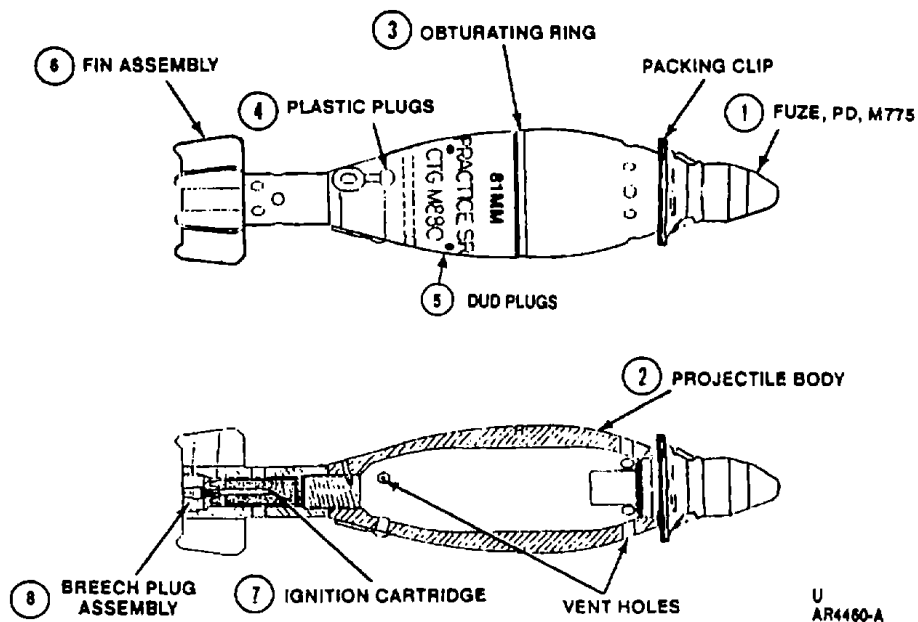
Training cartridge can be fired to a maximum distance of 458 meters. On impact with ground or target, fuze produces a visible flash, a cloud of smoke and an audible sound for spotting purposes.

The spent (fired) projectiles can be recovered for refurbishment and reuse.

LOCATION AND DESCRIPTION OF MAJOR COMPONENTS

Cartridge, 81mm: Target Practice (Short Range), M880 is composed of the following:

- (1) Fuze, point detonating (practice), M775.
- (2) Projectile body.
- (3) Obturating ring.
- (4) Plastic plugs (simulated increments).
- (5) Dud plugs.
- (6) Fin assembly.
- (7) Ignition (propelling) cartridge, M986.
- (8) Breech plug assembly.



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