

TM 9-1310-252-12&P



**OPERATOR'S AND UNIT MAINTENANCE
MANUAL**

(Including Repair Parts and Special Tools List)

FOR

**CARTRIDGE, 60MM: TARGET PRACTICE (SR),
M766**

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**HEADQUARTERS
DEPARTMENT OF THE ARMY**

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WARNINGS

Do NOT FIRE CARTRIDGE THROUGH OVERHEAD OBSTRUCTIONS.
DO NOT FIRE CARTRIDGE IN TEMPERATURES ABOVE 110°F OR
BELOW -0°F.

UPON RELEASING CARTRIDGE, PASS HANDS DOWNWARD AND, AT
SAME TIME, TURN AWAY FROM MUZZLE OF MORTAR BARREL TO
PRESCRIBED BODY AND HEAD POSITIONS TO AVOID BLAST WHEN
CARTRIDGE FIRES.

IN CASE OF A MISFIRE, REFER TO MISFIRE PROCEDURES IN TM 9-
1010-223-10 OR FM 23-90.

THE MORTAR CREW WILL WEAR SINGLE HEARING PROTECTION
DURING FIRING.

RECOVERY IS ONLY AUTHORIZED ON RANGES THAT ARE USED
SOLELY FOR TARGET PRACTICE (SHORT RANGE) ROUNDS.

RECOVERY OPERATION WILL NOT TAKE PLACE UNLESS A “CEASE FIRE” IS IN EFFECT.

PERSONNEL MUST WEAR EYE PROTECTION, HEARING PROTECTION, LEATHER WORK GLOVES, DUTY UNIFORM, AND HELMET DURING RECOVERY OPERATIONS.

DO NOT STRIKE NOSE OF FUZE.

IF ANY EXPOSED SKIN HAS A BURNING SENSATION, WASH AFFECTED AREA IMMEDIATELY WITH SOAP AND WATER

PRIOR TO REFURBISHMENT OPERATION, NEW FUZES MUST BE EXAMINED. DO NOT INSTALL A FUZE WITH A MISSING PACKING CLIP AND/OR RED BAND VISIBLE (STRIKER IS IN THE ARMED POSITION).

IF PROJECTILE BEING RECOVERED DOES NOT HAVE A BLUE BREECH PLUG, STOP. DO NOT ATTEMPT TO REMOVE PROJECTILE FROM GROUND. FLAG LOCATION AND NOTIFY RANGE CONTROL/EOD.

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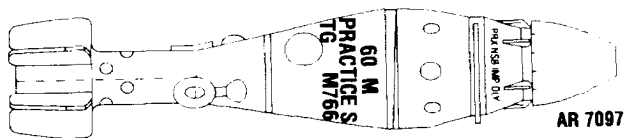
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CARTRIDGE, 60MM; TARGET PRACTICE
(SHORT RANGE), M1766-

CHAPTER 1

INTRODUCTION

SECTION I. GENERAL INFORMATION

1.1 SCOPE.

This manual provides operating instructions for Cartridge, 60mm: Target Practice (Short Range), M766. Included are procedures for preparing, loading, firing, recovering, and refurbishing ammunition. This publication is to be used in conjunction with TM 9- 1010-223-10, Operator's Manual for Mortar 60mm M224.

1.2 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).

1.3 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).

1.4 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 or Explosives).

1.5 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).

1.6 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 fires 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

1.7 AMMUNITION CHARACTERISTICS, CAPABILITIES AND FEATURES.

1.7.1 Cartridge, 60mm: Target Practice (Short Range), M766 can be fired from 60mm M224 Mortar using standard sight/fire control equipment and firing table FT 60-P- 1, C6.

1.7.2 Training cartridge can be fired to a maximum distance of 538 meters. On impact with ground or target, Fuze produces a visible