

TM 9-1375-224-12

TECHNICAL MANUAL
OPERATOR'S AND UNIT
MAINTENANCE MANUAL
FOR
DEMOLITION KIT, BLASTING:
FIGHTING POSITION EXCAVATOR, M300
(NSN 1375-01-429-3510);
DEMOLITION KIT, BLASTING:
FIGHTING POSITION EXCAVATOR,
RELOAD KIT, M301
(NSN 1375-01-429-3509);
AND
TRAINING KIT, DEMOLITION:
FIGHTING POSITION EXCAVATOR
(NSN 6920-01-430-5297)



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DEPARTMENT OF THE ARMY
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**Operator's and Unit Maintenance Manual
for
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(NSN 1375-01-429-3510);
Demolition Kit, Blasting: Fighting Position Excavator, Reload Kit, M301
(NSN 1375-01-429-3509);
and
Training Kit, Demolition: Fighting Position Excavator
(NSN 6920-01-430-5297)**

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), direct to Commander, U.S. Army TACOM, Armament Research, Development and Engineering Center, ATTN: AMSTA-AR-WEL-S, Picatinny Arsenal, NJ 07806-5000. You may also send in your recommended changes via electronic mail or by fax. Our e-mail address is LSB@pica.army.mil. Our fax number is DSN 880-4633 or Commercial 973-724-4633. A reply will be furnished to you.

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CHAPTER 1 INTRODUCTION

SECTION I. GENERAL

1.1 SCOPE.

These instructions are for use by operator and unit maintenance personnel. They apply to the M300 Fighting Position Excavator, M301 Fighting Position Excavator Reload Kit, and the Training Kit for the Fighting Position Excavator.

1.2 FORMS, RECORDS, AND REPORTS.

1.2.1 Department of the Army maintenance forms and reporting procedures are prescribed in DA Pam 738-750, Functional Users Manual for The Army Maintenance Management System (TAMMS). Accidents involving injury to personnel or damage to materiel will be reporting on DA Form 285 (U.S. Army Accident Report) in accordance with AR 385-40 (Accident Reporting and Records). Explosive ammunition malfunctions will be reported in accordance with AR 75-1 (Malfunctions Involving Ammunition and Explosives).

1.2.2 Report of Packaging and Handling Deficiencies. Fill out and forward SF Form 364 (Report of Discrepancy (ROD)) as prescribed in AR 735-11-2.

1.3 NOMENCLATURE CROSS-REFERENCE LIST.

<u>Common Name</u>	<u>Official Nomenclature</u>
M300 FPE	Demolition Kit, Blasting: Fighting Position Excavator, M300
M301 FPE Reload Kit	Demolition Kit, Blasting: Fighting Position Excavator, Reload Kit, M301
TFPE	Training Kit, Demolition: Fighting Position Excavator
M81	Igniter, Time Blasting Fuse: M81, w/Shock Tube Capability
M9	Holder, Blasting Cap: Shock Tube, M9

SECTION II. DESCRIPTION AND DATA

1.4 PURPOSE, USE, CAPABILITIES AND FEATURES.

1.4.1 M300 FPE. The M300 FPE provides a capability to rapidly loosen a variety of soils to improve the soldier's ability to dig fighting positions. The M300 FPE weighs approximately 8.5 pounds and is man portable. When rolled in the carrier bag (manpacked), it has an overall length of less than 18 inches. The M300 FPE can be used either day or night and during all weather conditions. Two M300 FPEs are packaged in the PA103A1 Container.

1.4.2 M301 FPE Reload Kit. The M301 FPE Reload Kit provides enough explosive charges for two additional fighting positions. The auger from the M300 FPE must be used with the M301 Reload Kit. The M301 FPE Reload Kit, weighing approximately 6 pounds, is packed in the same type carrier bag as the M300 FPE and two carrier bags are packaged in the PA103A1 Container (same container as the M300 FPE).

1.4.3 TFPE. The TFPE is provided for soldiers to be trained on how to operate the M300 FPE. The TFPE is identical in size and shape to the M300 FPE and is packed and packaged the same as the M300 FPE. The TFPE is totally inert.

1.5 DESCRIPTION OF MAJOR COMPONENTS.

1.5.1 M300 FPE. The M300 FPE consists of the following:

Carrier bag (shown rolled (1a) and open (1b)), with instructions (2) (not shown)

Auger, consisting of the handle (3), two extensions (4), and the bucket (5)

Two explosive container assemblies (6), packaged in foam (not shown)

Shock tube assembly, consisting of a blasting cap in an M9 (7) and the shock tube (8)

M81 igniter (9)

Sandbag (empty) (10)

