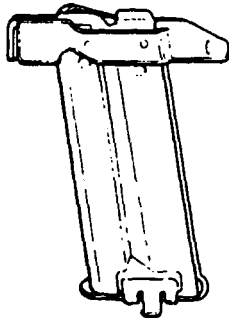
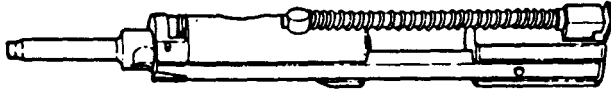


**TECHNICAL MANUAL
OPERATOR'S AND
ORGANIZATIONAL MAINTENANCE MANUAL
INCLUDING REPAIR PARTS AND
SPECIAL TOOLS LIST
CONVERSION KIT
(CALIBER .22 RIMFIRE ADAPTER) M261
(NSN 1005-01-010-1561)
FOR
RIFLE, 5.56-MM, M16 AND M16A1**



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HEADQUARTERS, DEPARTMENT OF THE ARMY
SEPTEMBER 1980

This copy is a reprint which includes current
pages from Changes 1 and 2.

Operator's and Organizational Maintenance Manual
Including Repair Parts and Special Tools List

CONVERSION KIT (CALIBER .22 RIMFIRE ADAPTER) M261
(NSN 1005-01-010-1561)
FOR
RIFLE, 5.56-MM, M16 AND M16A1

Current as of 30 May 1984

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

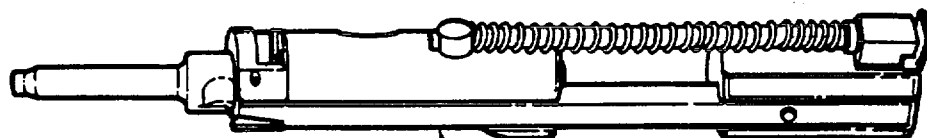
You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to: Commander, US Army Armament, Munitions and Chemical Command, ATTN: DRSMC-MAS (R), Rock Island, IL 61299. A reply will be furnished to you.

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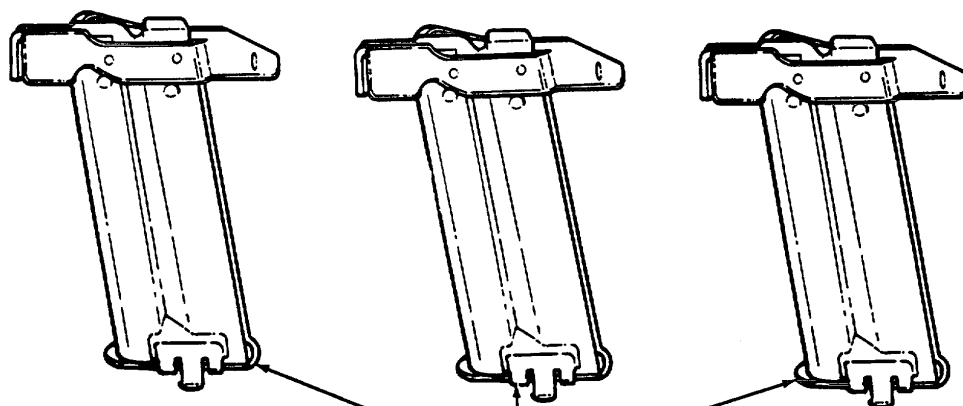
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BOLT ADAPTER
ASSEMBLY



MAGAZINE ADAPTER
ASSEMBLY

CHAPTER 1 INTRODUCTION

CHAPTER OVERVIEW

This chapter contains general information equipment description and data about the conversion kit.

Section I. GENERAL INFORMATION

1-1. SCOPE. These instructions are for your use as the operator and organizational maintenance personnel. They apply to the conversion kit (caliber .22 rimfire adapter) for 5.56-mm M16 and M16A1 rifles.

1-2. MAINTENANCE FORMS AND RECORDS. Maintenance forms and records which you are required to use are listed and explained in DA PAM 738-750.

1-3. ADMINISTRATIVE STORAGE. Refer to TM 740-90-1.

1-4. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR). If your conversion kit 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 it to us at Commander, US Army Armament, Munitions and Chemical Command, ATTN: DRSMC-MAO (R), Rock Island, IL 61299. We'll send you a reply.

1-5. HAND RECEIPT. This manual has a companion document with a TM number followed by "-HR" (which stands for Hand Receipt). The TM 96920-363-12&P-HR consists of preprinted hand receipts (DA Form 2062) that list end item related equipment (i.e., COEI, BII, and AAL) you must account for. As an aid to property accountability, additional -HR manuals may be requisitioned from the following source in accordance with procedures in Chapter 3, AR 310-2: The US Army Adjutant General Publications Center, 2800 Eastern Boulevard, Baltimore, MD 21220.

Section II. EQUIPMENT DESCRIPTION AND DATA

1-6. DESCRIPTION.

a. General. The conversion kit is designed to adapt the M16 and M16A1 rifles to fire caliber .22 rimfire ammunition (long rifle standard velocity only). The conversion kit was developed specifically for training purposes. Each conversion kit consists of one bolt adapter assembly and three magazine adapter assemblies.

b. Bolt Adapter Assembly. The bolt adapter assembly is designed to replace the standard bolt carrier group without any modifications to the rifle. It will not change the appearance, feel, or weight of the rifle, and it will not affect performance or operating procedure when the rifle is in the semiautomatic mode. The rifle will not fire in the automatic mode, nor will the bolt assist function when the bolt adapter assembly is installed.

c. Magazine Adapter Assembly. The magazine adapter assembly has a maximum capacity of 10

cartridges and is designed to fit into a standard magazine.

1-7. PERFORMANCE DATA.

a. Bolt Adapter Assembly.

Length 222.25 mm (8.75 in.)
Weight..... 0.45 kg (1 lb)

b. Magazine Adapter Assembly.

Ammunition:
Caliber.....22
Type commercial long rifle ball
Length..... 76.2 mm (3 in.)
Weight 113.4 g (4 oz)