

TM 9-1005-229-12

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

OPERATOR'S AND ORGANIZATIONAL MAINTENANCE
MANUAL INCLUDING REPAIR PARTS AND
SPECIAL TOOLS LISTS

SUBMACHINE GUN, CALIBER .45: M3, W/E
(1005-672-1767)

SUBMACHINE GUN, CALIBER .45: M3A1, W/E
(1005-672-1771)

HEADQUARTERS, DEPARTMENT OF THE ARMY
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TECHNICAL MANUAL

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HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D. C., 20 October 1969OPERATOR'S AND ORGANIZATIONAL MAINTENANCE MANUAL
INCLUDING REPAIR PARTS AND SPECIAL TOOLS LISTSSUBMACHINE GUN, CALIBER .45: M3, W/E
(1005-672-1767)SUBMACHINE GUN, CALIBER .45: M3A1, W/E
(1005-672-1771)*This manual is current as of 1 October 1969*

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CHAPTER I

INTRODUCTION

Section I. GENERAL

1-1. Scope

This manual contains instructions for the operator and organizational maintenance of the Caliber .45, Submachine Guns, M3 and M3A1.

1-2. Forms and Records

a. *General.* DA forms and procedures used for equipment maintenance will be only those prescribed in TM 88-750, Army Equipment Record Procedures.

b. *Recommendations for Equipment Publication Improvements.* Report of errors, omissions,

and recommendations for improving this publication by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to DA Publications) and forwarded direct to the Commanding General, U.S. Army Weapons Command, ATTN: AMSWE-SMM-P, Rock Island, Illinois 61201.

1-3. Administrative Storage

Refer to TM 740-90-1 for Administrative Storage.

Section II. DESCRIPTION AND DATA

1-4. General

The Submachine Guns, M3 (fig. 1-1) and M3A1 (fig. 1-2) are aircooled, blowback-operated, magazine-fed, automatic shoulder weapons. They are light, compact and rugged. The stock is one piece of formed steel rod which can be telescoped for ease of handling and the ends are drilled and tapped for usage as a cleaning rod. The stock can also be used as a disassembly tool or wrench and is made so it can be utilized to load the magazine. There is no provision for semi-automatic fire, however, because of the low cyclic rate of fire the operator can fire single shots through trigger manipulation. Both submachine guns are fed from a magazine which has a capacity of 30 rounds. For convenience of maintenance, the weapons are divided into groups and assemblies which consist of magazine, barrel, gun stock extension, bolt and guide rod group, trigger housing group, trigger and sear group, and receiver assembly.

1-5. Difference Between Models

The Submachine Gun M3A1 is basically the same as the Submachine Gun M3; however, the difference in the two models is specified in a through e below:

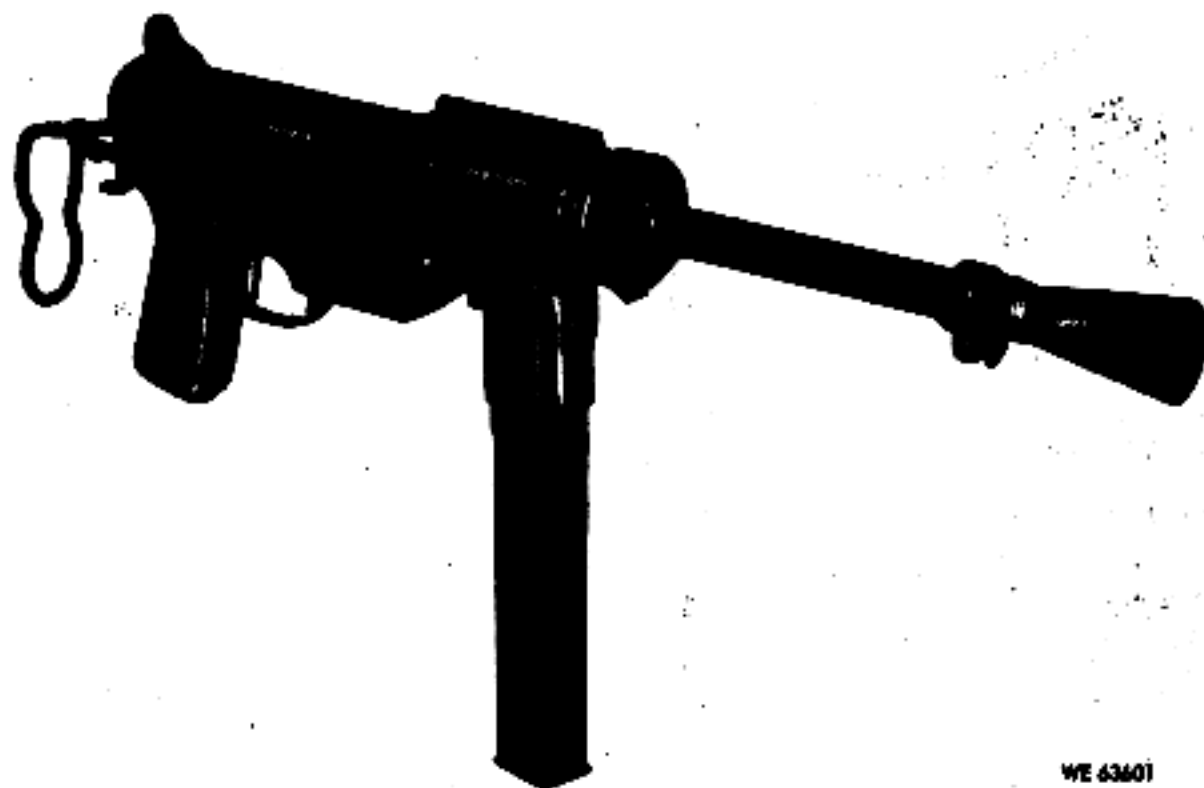
a. The housing assembly M3A1 (fig. 1-3) has been changed in design to eliminate the retracting handle, spring, lever assembly, and oiler clip. It contains the ejector, which is secured to the housing by two rivets.

b. The bolts for the M3 and M3A1 vary in design as shown in figure 1-4. The M3A1 bolt contains a circular cut which permits the cocking of the weapon by retracting the bolt with the finger. It also contains an ejector groove extending the length of the bolt. This permits the removal of the bolt and guide rod group without necessitating the removal of the trigger guard and housing assembly from the weapon. The retracting lever pawl notch has been eliminated and a cover-hinge-rivet clearance slot has been added.

c. The receiver assembly M3A1 is designed to incorporate the oiler in the stock. The cover hinge is riveted and now is part of the receiver body.

1-6. Tabulated Data

Weight of M3 w/o	
magazine	8.0 lb
Weight of M3A1	
w/o magazine	7.8 lb
Weight of empty	
magazine	0.75 lb



WE 63601

Figure 1-1. Caliber .45 Submachine Gun M1 w/Flash Hider Assembly, M1—right front view.

Weight of full magazine (30 rds) 2.10 lb

Length:

Stock Extended 29.8 in

Stock Forward 22.8 in

Barrel 8.0 in

Rifling:

Number of lands 4-0

Uniform right hand twist one turn in 16.0 in

Capacity of magazine 30.0 rd

Sight radius 10.8 in

Trigger pull 4-1/2 to 7-1/2 lb

Operation Blowback

Feed Magazine (30 rd)

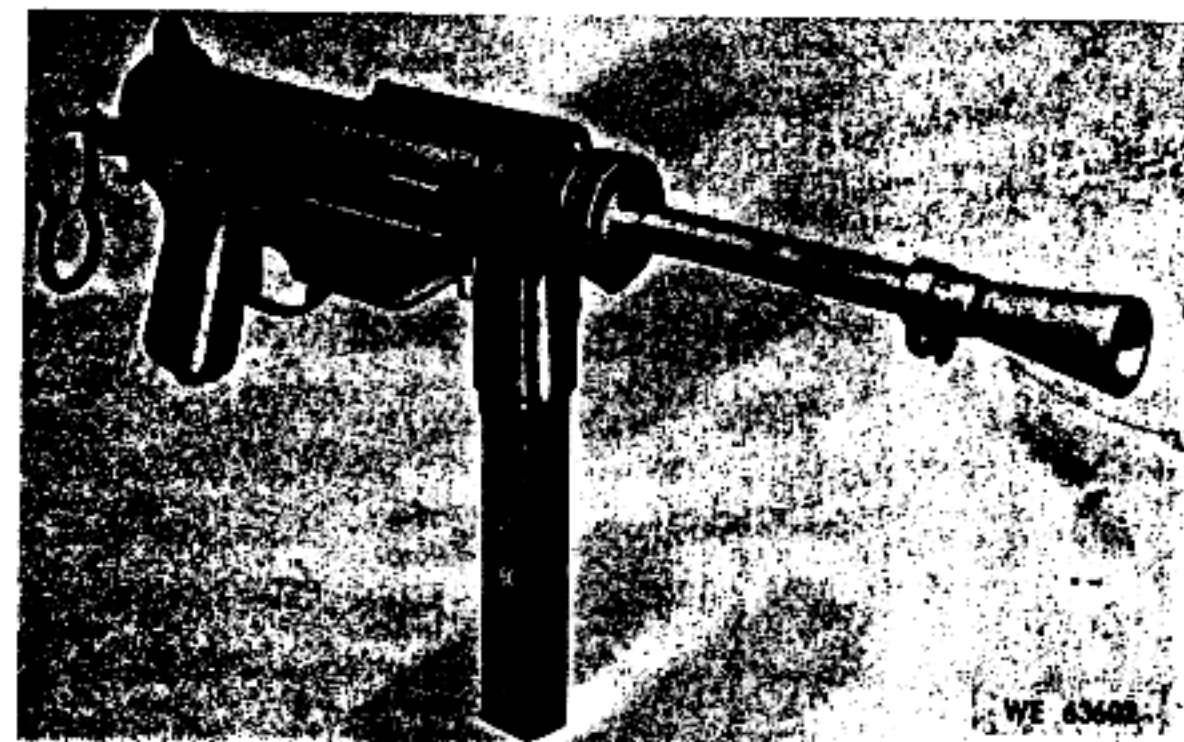
Cooling Air

Type of Ammunition Ball, Tracer, Dummy

Rate of Fire 350 to 450 rds/m

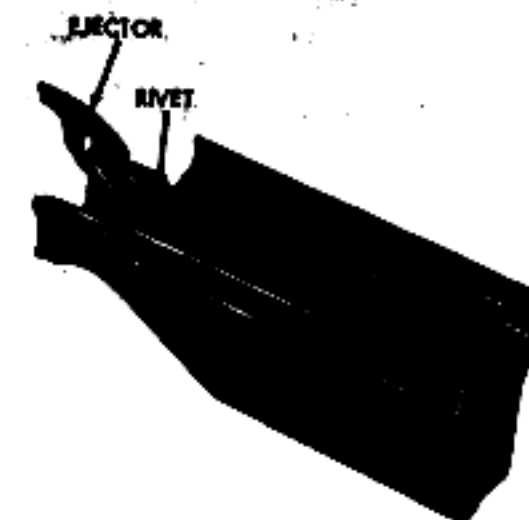
Muzzle Velocity (Ball 234 grain bullet) 920 FPS

Maximum Range (Ball 30° elevation) 760 yd or 1000 meters



WE 63602

Figure 1-2. Caliber .45 Submachine Gun M1A1 w/Flash Hider Assembly, M1—right front view.



WE 63603

Figure 1-3. M1A1 housing assembly.