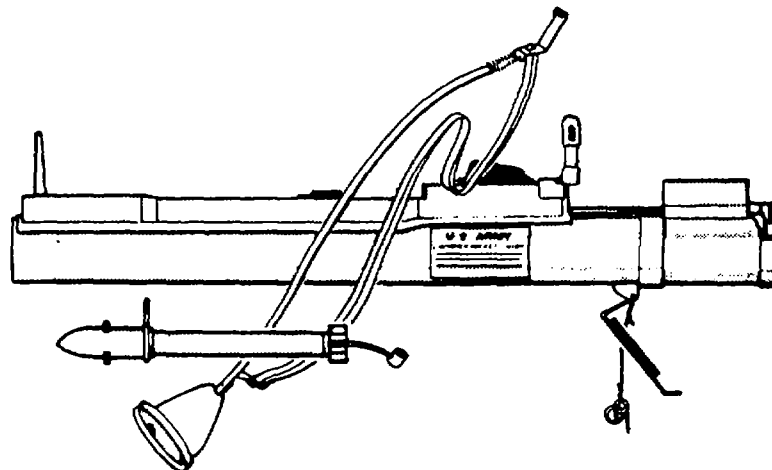


DEPARTMENT OF THE ARMY MANUAL

ROCKET LAUNCHER M190
WITH SUBCALIBER 35MM
PRACTICE ROCKET M73

OPERATOR AND UNIT MAINTENANCE MANUAL



Approved for public release, distribution is unlimited,

20 FEBRUARY 1992

This manual supersedes TM 9-1340-203-20, 30 December 1990

WARNING

- ALWAYS KEEP LOADED WEAPON POINTED DOWNRANGE. DO NOT STAND TO REAR OF LAUNCHER. DO NOT USE ROCKET IF SAFETY CLIP IS MISSING.
- LOAD, UNLOAD, OR FIRE WEAPON AT FIRING LINE ONLY, UNLESS WEAPON IS TRANSFERRED TO AUTHORIZED PERSONNEL.
- DO NOT USE WEAPON IF ROCKET OR LAUNCHER, OR BOTH, HAS BEEN DROPPED OR OTHERWISE EXPOSED TO DIRT.
- INSERT ROCKET ALL THE WAY INTO LAUNCHER BEFORE ATTACHING PRIMER BLOCK.
- DO NOT FIRE THE M190 SUBCALIBER TUBE WITH A CRACK, SPLIT, OR WORN CONDITION AT THE SHOULDER OF THE REAR METAL COLLAR; A BLOWN TUBE INCIDENT MAY OCCUR. A DAMAGED FIRING PIN SPRING OR EXCESSIVE CARBON BUILD-UP CAN CAUSE A MISFIRE.



- METER MARKINGS ON THE FRONT POST SIGHTS OF THE M190, M72A1, AND M72A2, LAUNCHERS CONTAIN SMALL AMOUNTS OF RADIOACTIVE MATERIAL FOR ILLUMINATION. THE SIGHTS DO NOT PRESENT A SIGNIFICANT HEALTH HAZARD BUT MUST BE CONTROLLED. IF SIGHT IS BROKEN, REMOVE AND PLACE IN A PLASTIC SEALED BAG. STORE BAG IN A SEALED CONTAINER UNTIL REMOVED BY AMMUNITION DISPOSAL PERSONNEL.

U
AR 5095A

CHAPTER 1. INTRODUCTION

Section	I	General	
		Scope	3
		Forms, Records, and Reports	3
		Recommended Changes	3
	II	Description	4
	III	Data	7

CHAPTER 2. MAINTENANCE AND OPERATION

Section	I	Service Upon Receipt of Materiel	
		Inspection	9
		Modification	12
	II	Loading	18
	III	Back Blast Danger Zones With Practice Launcher	25
	IV	Preparation for Firing	26
	V	Firing Positions	28
	VI	Ready	29
	VII	Aim	30
	VIII	Fire	31
	IX	Reissue or Unloading	32
	X	Misfires, Hangfires, Mechanical Delays or Dud s	38
	XI	After Daily Use and After Storage	44
	XII	Storage and Transportation	46

APPENDIX A. REFERENCES	48
------------------------------	----

APPENDIX B. MAINTENANCE ALLOCATION CHART	49
--	----

NOTE

All Light Antitank Weapon (LAW) Launcher Configurations, including M72A2 and M72A3 models, are suitable for use with the M190 conversion kit. Requisition may be made for conversion launchers by requesting "Launcher, M72A1, for rkt 66MM, part number 9210200, NSN 1340-00-426-1013.

**SECTION I
GENERAL**

**CHAPTER 1
INTRODUCTION**

SCOPE. This manual describes modification of Rocket Launcher M72 Series to form Rocket Launcher M190. Launcher M190 loaded with Subcaliber Practice Rocket M73 forms a Practice Device for the 66MM Light Antitank Weapons Systems M72 Series. Maintenance and firing line loading, firing, and unloading procedures are provided.

FORMS, RECORDS, AND REPORTS. Maintenance forms and records requirements are explained in DA PAM 738-750.

RECOMMENDED CHANGES. Direct reporting of errors, omissions, and recommendations for improving this manual is authorized and encouraged. Use DA Form 2028, Recommended Changes to Publications and Blank Forms, for this purpose.

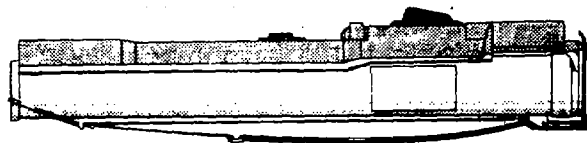
Forward completed forms to the Commanding Officer, U.S. Army Armament Research, Development and Engineering Center, ATTN: SMCAR-LMB, Picatinny Arsenal, NJ 07806-5000. A reply will be furnished directly to you.

U
AR 5098A

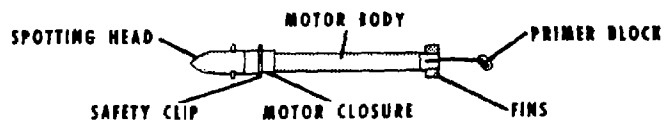
SECTION II DESCRIPTION

THE LIGHT ANTITANK WEAPON (LAW) SYSTEMS PRACTICE DEVICE CONSISTS OF:

- PRACTICE ROCKET LAUNCHER, M190 (MODIFICATION OF EXPENDED LAUNCHER M72A1 TO ACCEPT A SUBCALIBER ROCKET)



● SUBCALIBER, 35MM, PRACTICE ROCKET M73



U
AR 5099