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 SEAL CONTAINER UNTIL REMOVED BY AMMUNITION DISPOSAL PERSONNEL.

U
AR 5095A
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.
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 SUBCALISER ROCKET)
Conversion Kit and Inner Tube Assembly

- CONVERSION KIT NSN 1340-00-420-7999 (For Complete Kit) CONSISTS OF SCREWS, NUTS, DOOR STUDS, LOCK PIN ASSEMBLY, NEW PRIMER DOOR, AND LABEL

- INNER TUBE ASSEMBLY OR SUBCALIBER TUBE IS ALUMINUM WITH A SMOOTH BORE MACHINED TO ACCEPT THE SUBCALIBER. 35MM, PRACTICE ROCKET
AFTER MODIFICATION THE PRACTICE DEVICE APPEARS SIMILAR TO THE LIGHT ANTITANK WEAPON SYSTEM, 66MM, M72 SERIES. THE SUBCALIBER ROCKET DIFFERENCE IN CALIBER AND WEIGHT DOES NOT AFFECT FUNCTION.
### LAUNCHER, ROCKET: PRACTICE, M190 (NSN 1055-00-143-6909)

<table>
<thead>
<tr>
<th>Diameter</th>
<th>4.9 in.</th>
<th>Diameter of Rocket Tube</th>
<th>1.4 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>5.02 lb</td>
<td>Sights Open. temperature compensating</td>
<td></td>
</tr>
<tr>
<td>Length:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Collapsed</td>
<td>25.3 in.</td>
<td>Trigger Load</td>
<td>Minimum</td>
</tr>
<tr>
<td>Extended</td>
<td>35.4 in.</td>
<td></td>
<td>Maximum</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3 lb</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>7 lb</td>
</tr>
</tbody>
</table>

**FUZE**
- Type: Impact, BD
- Operating temp.: -10°F to +135°F
- Action: Instantaneous
- Storage temp.: -40°F to +160°F

### ROCKET, PRACTICE, 35 MM, SUBCALIBER: M73 (NSN 1340-00-143-6911 and 1340-00-360-5050)

<table>
<thead>
<tr>
<th>Diameter</th>
<th>1.38 in.</th>
<th>Propellant charge</th>
<th>3 tubular grains of propellant M7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>0.34 lb.</td>
<td>Igniter charge</td>
<td>0.3 grams of black powder</td>
</tr>
<tr>
<td>Length</td>
<td>w/o igniter</td>
<td>8.87 in.</td>
<td>Spotting head charge</td>
</tr>
</tbody>
</table>

Effective range 50 to 325 meters

*Not a stocked item (made up by individual units).*
SPARE/REPAIR PARTS KIT

FOR ROCKETS CONVERTED TO M190 ROCKET LAUNCHER IN NEED OF MINOR PARTS ORDER: YOU'LL GET

1 REAR DOOR
1 REAR DOOR PIN ASSEMBLY
2 REAR DOOR SCREWS
1 LABEL (M190)
4 PHILLIPS HD MACH SCREWS
4 SELF LOCKING NUTS

KIT, INSTALLATION (M190)
NSN 1055-01-011-8328

AR 5103
INSPECTION

- Check to see that the receiving box and cardboard cartons are properly marked and contain necessary contents.
- Check box and container for water, dirt or other damage.
- If extensive damage is apparent, check launchers carefully—cracks, breaks or missing parts.

Discard unserviceable launchers.

1 EXPENDED LAUNCHERS
2 SUBCALIBER TUBE AND TRAINING KIT OR INNER TUBE ASSEMBLY AND CONVERSION KIT

- Check to see that receiving box and fiberboard container are property marked and contain necessary contents. The training kit is plastic wrapped and shipped in the SunCaliber tube.
- Check SunCaliber tube for dirt, rust, cracks and pitting.
- Check training kit for missing parts.

If extensive damage is apparent - use box contents for spare parts. Mark box accordingly.
CHECK TO SEE THAT RECEIVING BOX ROCKETS AND FIBERBOARD CONTAINER ARE PROPERLY MARKED AND CONTAIN NECESSARY CONTENTS

IF EXTENSIVE VISIBLE DAMAGE IS NOTED RETURN ENTIRE BOX TO AMMUNITION SUPPLY POINT

STORE ALL BOXES ON DUNNAGE IN DRY SHELTERED AREA

WOOD BOX (90 ROCKETS) (3 CARTONS)
CARDBOARD CARTON (30 ROCKETS)

CHECK BOX CAREFULLY FOR FURTHER STORAGE INSTRUCTION
MODIFICATION

WARNING

IF LAUNCHERS MARKED LIMITED FRONT SIGHT ARE RETURNED WITH FRONT SIGHT BROKEN, REMOVE SIGHT AND SEAL IN PLASTIC BAG. SEGREGATE SIGHT FOR DISPOSITION BY AUTHORIZED PERSONNEL IN ACCORDANCE WITH AR 385-11. DISCARD THIS LAUNCHER.

• PUNCH OUT RIVETS SECURING INNER TUBE TO LAUNCHER (OUTER TUBE), USE 1/16" PUNCH DISCARD RIVETS
- Remove inner tube
- Discard O-ring
- Remove label (scrape off or paint over)
- Remove label
- Visually inspect rear sight and spring firing pin housing arm and firing pin assembly, front sight and spring
IF ASSEMBLY IS USABLE, THE SUBCALIBER TUBE IS PLACED INTO THE MODIFIED OUTER TUBE. THE INNER TUBE IS PLACED OVER THE REAR OF THE SUBCALIBER TUBE AND THE ENTIRE ASSEMBLY IS TELESCOPED INTO THE CLOSED POSITION.
• REMOVE PRIMER HOUSING DOOR. DISCARD DOOR, AND RETAINING SCREWS.

NOTE: RETENTION OF USED PRIMER BLOCK IN CAVITY WILL ASSIST IN POSITIONING NEW PRIMER HOUSING DOOR WHILE CEMENTING AND WILL ALSO PREVENT LOSS OF NEW DOOR AND LOCKPIN DURING TRANSIT AND HANDLING.

• THREAD STUDS INTO HOUSING IMMEDIATELY AND PLACE NEW REAR DOOR AND PRIMER HOUSING LOCK PIN IN POSITION.

SWING DOOR SEVERAL TIMES TO ASCERTAIN PROPER FIT
• TEST MECHANICAL FUNCTIONING OF COMPLETED LAUNCHER. SEE THAT TUBES SLIDE FREELY AND SIGHTS SWING TO CORRECT POSITION.
RETRIEVE SLING ASSEMBLY AND ASCERTAIN THAT LAUNCHER OPENS AND CLOSES CORRECTLY AND SLING ASSEMBLY OPERATES
PROPERLY.

IF COMPLETED LAUNCHER IS FREE OF MECHANICAL DEFECTS APPLY LABEL. LABEL IS PRESSURE SENSITIVE, SELF-ADHERING.
PEEL OFF BACKING AND APPLY LABEL TO DRY SURFACE ONLY.
• FIRING PIN HOUSING RIVETS
• OLD REAR PRIMER DOOR, GASKET AND SCREWS
• OLD OUTER AND INNER TUBE O-RING HAVE BEEN DISCARDED AND

• SUBCALIBER TUBE AND OLD INNER TUBE
• NEW FIRING PIN HOUSING SCREWS AND NUTS
• NEW REAR DOOR STUDS
• NEW REAR DOOR
• NEW PIN ASSEMBLY
• NEW LABEL
HAVE BEEN ADDED CORRECTLY LAUNCHER
IS COMPLETE AND READY TO RECEIVE SUBCALIBER
ROCKET.
SECTION II
LOADING

- TWIST AND REMOVE PRIMER HOUSING LOCK PIN
- SWING PRIMER HOUSING DOOR OUT OF WAY OF PRIMER BLOCK ENTRY
• REMOVE FIRED PRIMER BLOCK

• INSPECT PRIMER CAVITY
• INSPECT SUBCALIBER TUBE BORE

• SWAB BORE WITH RAG
• BLOW OUT DUST
OPEN ROCKET CONTAINER, CAREFULLY REMOVE ROCKET

**WARNING:**
POINT ROCKET AND LOADED LAUNCHER DOWNRANGE AT ALL TIMES

**WARNING:**
IF ROCKET SAFETY CLIP IS MISSING, CAREFULLY PLACE ROCKET FACING DOWNRANGE. ALERT AUTHORIZED PERSONNEL

TWIST AND REMOVE SAFETY CLIP FROM ROCKET. SAVE SAFETY CLIP IN CASE ROCKET IS NOT FIRED

**WARNING:**
DO NOT STAND TO REAR OF LAUNCHER
- LOAD ROCKET

LINE UP PRIMER ON ROCKET WITH PRIMER HOUSING ON LAUNCHER

ROCKET MUST BE FULLY INSERTED IN LAUNCHER TUBE BEFORE PLACING PRIMER IN PRIMER HOUSING
- GUIDE PRIMER BLOCK INTO HOUSING
- REPLACE PRIMER HOUSING DOOR
- INSERT PRIMER HOUSING LOCK PIN
• REPLACE COVER
• REPLACE COVER PULL PIN
• REPLACE SLING ASSEMBLY
• IF LOADED WEAPON IS NOT USED IMMEDIATELY, INSTRUCTOR SHOULD CAREFULLY PLACE CLOSED WEAPON POINTING DOWNRANGE.

• LAUNCHER TUBES SHOULD BE KEPT CLEAN AND THE SLING ASSEMBLY REPLACED BETWEEN FIRINGS. LAUNCHERS USED AND REUSED SEVERAL TIMES SHOULD BE LIGHTLY CLEANED WITH DRY CLOTH, AND INSPECTED AND SERVICED AS DETAILED IN SECTION XI.

• WEAPON SHOULD BE USED OR UNLOADED AS SOON AS POSSIBLE.

• DUE TO POSSIBILITY OF INJURY FROM FRAGMENTS OF PREMATURE FUNCTIONING AND/OR MOTOR RUPTURES, OPERATORS, INSTRUCTORS AND OBSERVERS SHOULD USE SAFETY EYEWEAR (GLASSES WITH SIDE SHIELDS OR GOGGLES).
SECTION III
OBSERVE BACK BLAST DANGER ZONES
WITH PRACTICE LAUNCHER

WARNING
DO NOT FIRE UNLESS...
1. Back blast area is clear of personnel and obstructions.
2. Body extremities are clear of Rocket exhaust end.

ZONE "A"
DANGER IN THIS AREA FROM BLAST, HEAT, AND PROJECTED MATERIALS.

ZONE "B"
DANGER IN THIS AREA FROM PROJECTED MATERIALS
SECTION IV

PREPARATION FOR FIRING

1. The following steps are performed at the firing point.

2. REMOVE PULL PIN

3. SWING COVER DOWN

U
AR 4627
IF TWO ATTEMPTS TO LOCK LAUNCHER OPEN FAIL - CLOSE AND SET SYSTEM ASIDE FOR DISPOSAL BY AUTHORIZED AMMUNITION PERSONNEL (SEE SECTION IX FOR CLOSING WEAPON)

4. HOLD LAUNCHER SLIGHTLY AWAY FROM BODY

5. GRASP REAR SIGHT COVER - HOLD FIRMLY

BE SURE LAUNCHER SNAPS INTO "LOCKED POSITION"

6. EXTEND BY PUSHING OUT WITH RIGHT HAND

WARNING: EXTENDING THE WEAPON TOO SLOWLY CAN RESULT IN FAILURE TO COCK THE WEAPON.

27
SECTION V

FIRING POSITIONS

SITTING

KNEELING

KEEP ON TARGET

STANDING

AND PRONE POSITIONS

U AR 4629
SECTION VI

READY

WARNING
WEAR EAR PLUGS WHEN FIRING THE WEAPON.

1. REST OPEN REAR COVER AGAINST SHOULDER

2. PLACE SIGHT AT EASY READING DISTANCE

3. MOVE SAFETY TO ARM

4. PLACE THUMB UNDERNEATH AND AROUND TUBE

5. PLACE FINGERTIPS ON TRIGGER SPRING BOOT AS FAR BACK AS POSSIBLE

TARGET

U
AR 4630
SECTION VII

AIM

VERTICAL CENTER LINE

LEAD MARKER
(TARGET MOVING 15 MPH)

RANGE MARKER

ON TARGET
(STATIC OR MOVING
TARGET HEAD-ON
AT 235 METERS)

ON TARGET
(MOVING)

USING RANGE MARKER FOR
SIDE VIEW RANGE ESTIMATION

SIGHTS CONTAIN RADIOACTIVE MATERIAL TO AID IN NIGHT
FIRING (EXCEPT M72A3). SEE WARNING ON INSIDE COVER.

U
AR 4631

FRONT SIGHT

RUBBER SIGHT BOOT

SIGHT BRACKET

TEMPERATURE
COMPENSATING
REAR SIGHT

USING RANGE MARKER FOR
HEAD-ON RANGE ESTIMATION
WARNING
SECTION VIII

KEEP LAUNCHER ON TARGET IF SYSTEM DOES NOT FIRE FOLLOW INSTRUCTIONS IN

SECTION

FIRE

SQUEEZE TRIGGER BY DEPRESSING TRIGGER SPRING BOOT

PRESS BOOT FIRMLY WITH FINGERTIPS TO ASSURE FIRING
SECTION IX

REISSUE OR UNLOADING

OPERATOR

1. RETURN SAFETY TO SAFE

2. GRADUALLY REMOVE WEAPON FROM SHOULDER

KEEP LAUNCHER TRAINED ON TARGET
1. DEMAND RETURN OF WEAPON IMMEDIATELY
INSTRUCTOR

2. Grasp launcher by rear sight housing.

3. Squeeze detent boot.

4. Slide inner tube into outer tube approximately two inches.

5. Remove hand from detent boot.

6. Hold down front sight.

7. Compress until edge of inner tube touches thumb lightly.

COMPLETE ALL COMPRESSION ACTIONS SLOWLY TO AVOID INJURY TO FINGERS.
8 Fold down rear sight and guide under housing

9 Compress launcher until travel is stopped by lip on front sight

10 Press front sight lip with thumb and slowly compress launcher over lip edge

11 Remove thumb from front sight and grasp housing

12 Close launcher fully
- REPLACE COVER
- PULL PIN

OR UNLOAD
AS DETAILED ON
FOLLOWING PAGE

INSTRUCTOR MAY:
- REISSUE TO TRAINEE
- CAREFULLY PLACE LAUNCHER AT
  FIRING STATION

U
AR 5124A
To unload keep launcher on target.

Do not replace pin cover.

Carefully remove primer from housing.

Position launcher so rocket will slide easily toward rear.

Remove rocket.

Replace safety clip

Place rocket in original container facing upward.

Place launcher in original container.

Unload or return all launchers to authorized personnel at firing line.
- LAUNCHER MUST BE MAINTAINED IN FIRING POSITION
FAILURE OF WEAPON TO FIRE IMMEDIATELY

1. RESQUEEZE TRIGGER FIRMLY

KEEP ON TARGET

2. IF WEAPON DOES NOT FIRE KEEP ON SHOULDER AND PUSH TRIGGER SAFETY HANDLE REARWARD TO "SAFE" POSITION

U AR 5127A
3 WAIT 10 SECONDS

THEN

REMOVE LAUNCHER
FROM SHOULDER

4 WAIT 1 MINUTE
BEFORE RECOCKING

If time is not available, lay weapon down pointing toward target - abandon.
5 GRASP REAR SIGHT HOUSING
6 SQUEEZE DETENT BOOT
7 PARTIALLY CLOSE LAUNCHER (APPROXIMATELY 4 INCHES)
8 SHARPLY SNAP LAUNCHER OPEN INTO LOCKED POSITION

KEEP ON TARGET
9. Place launcher back on shoulder.

10. Pull safety forward to "Arm".

11. Aim.

12. Depress trigger boot firmly to fire.

If a recoiled weapon which has misfired still does not fire, push trigger safety handle to "Safe" position and wait 10 seconds, then carefully lay weapon on ground facing target and evacuate area.

Notify QASAS and munition personnel for disposal of weapon or safing and retention for investigation.

Prepare malfunction report, DA Form 4379.
DUDS

NOTIFY QASAS AND EOD PERSONNEL.
PREPARE MALFUNCTION REPORT DA
FORM 4379 (WITH PHOTOGRAPHIC
DETAILS IF QASAS DEEMS NECESSARY).

DUDS WILL BE DESTROYED BY AUTHORIZED PERSONNEL ONLY

KEEP LAUNCHER ON TARGET

DOWN RANGE

U AR 5131A
SECTION XI
AFTER DAILY USE AND AFTER STORAGE

IF THE FOLLOWING PROCEDURES ARE APPLIED, THERE IS NO LIMITATION ON USE OF SUBCALIBER TUBES AND M190 LAUNCHERS.

INSPECT

TUBE BORE BY HOLDING UP TO LIGHT. LOOK FOR EXCESSIVE CARBON BUILD-UP AND CRACKING, PITTING, OR A WORN TUBE AT SHOULDER OF REAR METAL COLLAR OF TUBE.

M72 SERIES ROCKET LAUNCHER FOR CARBON BUILD-UP IN FIRING PIN HOUSING AREA WHICH COULD IMPEDE FIRING PIN MOVEMENT.

FIRING PIN SPRING AND FIRING PIN FOR PROPER WORKING CONDITIONS.

REJECT

TUBES WITH BULGES, DENTS, CURVES, CRACKS, PITS, AND EXCESSIVE WEAR AT SHOULDER OF REAR METAL COLLAR.
CLEAN BORE BY SWABBING WITH MINERAL SPIRITS OR EQUIVALENT. DRY BY FORCING CLEAN RAG THROUGH BORE.

CARBON FROM FIRING PIN HOUSING AREA OF LAUNCHER WITH A WIRE BRUSH.

PLACE COVERS AND SLING ON CLOSED LAUNCHER FOR STORAGE.

WARNING
DO NOT FIRE M190 LAUNCHER WITH A SUBCALIBER TUBE WITH CRACKS, SPLITS, OR A WORN CONDITION AT SHOULDER OF REAR METAL COLLAR; A BLOWN TUBE INCIDENT MAY OCCUR. A DAMAGED FIRING PIN SPRING OR EXCESSIVE CARBON BUILD-UP CAN CAUSE A MISFIRE.
SECTION XII

STORAGE AND TRANSPORTATION

• EXPENDED LAUNCHERS
• MODIFIED LAUNCHERS
• INNER TUBE ASSEMBLIES
• EXPENDED KITS

WILL BE IN ORIGINAL PACKING WHEN POSSIBLE AND SEPARATED ROCKETS AND MODIFIED LAUNCHERS WILL BE STORED IN SAME GENERAL AREA TO MAINTAIN LIKE TEMPERATURE.

FOR GENERAL CONUS STORAGE REQUIREMENTS

SEE TM 9-1300-206

46
MILITARY TRANSPORTATION USED FOR MOVEMENT OF HAZARDOUS MATERIAL IS SUBJECT TO ALL SAFETY LAWS, RULES AND REGULATIONS APPLICABLE TO COMMERCIAL CARRIERS. EXCEPTIONS MAY BE PERMITTED IN FOLLOWING INSTANCES:

1. INTRA-DEPOT MOVEMENT UPON AUTHORIZATION OF THE THEATER COMMANDER.

2. INTRA-THEATER MOVEMENT UPON AUTHORIZATION OF THE THEATER.

FREIGHT CLASSIFICATION AND HAZARD DESCRIPTION:

1. RAIL: ROCKT AMMUNITION WITH EXPLOSIVE PROJECTILE (ROCKETS NOIBIN OTHER THAN GUIDED), CLASS A EXPLOSIVES, UFC 9 ITEM 5930.

2. MOTOR: ROCKET AMMUNITION WITH EXPLOSIVE PROJECTILE (ROCKETS, NO1), CLASS A EXPLOSIVES, NMFC A10 ITEM 13880.*

3. OUTSIDE PACKAGE MARKING: “ROCKETAMMUNITION WITH EXPLOSIVE PROJECTILE, CLASS A EXPLOSIVES - HANDLE CAREFULLY.”

* Spotting charge in training rocket characterizes it as an explosive projectile
APPENDIX A. REFERENCES

1. ADMINISTRATIVE PUBLICATIONS
Malfunctions Involving Ammunition and Explosives .................................................................................................................. AR 75-1
Ionizing Radiation Protection (Licensing) Control, Transportation,
    Disposal, and Radiation Safety ............................................................................................................................ AR 385-11
Accident Reporting and Records .................................................................................................................................. AR 385-40
Regulations for Firing Ammunition for Training Target Practice and
Combat .......................................................................................................................................................................... AR 385-63
Fire Protection .............................................................................................................................................................. AR 420-90
Report of Item and Packaging Deficiencies ................................................................................................................... AR 735-11-2
Army Materiel Maintenance Concepts and Policies ....................................................................................................... AR 750-1

2. BLANK FORMS
Fire Reports ................................................................................................................................................................... DA Form 5-2
Recommended Changes to Publications ....................................................................................................................... DA Form 2028
Preliminary Ammunition Malfunction Feeder Report .................................................................................................. DA Form 4379

3. TECHNICAL MANUALS
The Army Maintenance Management System (TAMMS) ............................................................................................. DA PAM 738-750
Ammunition, General .................................................................................................................................................... TM 9-1300-200
Care, Handling, Preservation and Destruction of Ammunition ....................................................................................... TM 9-1300-206
Military Explosives ..................................................................................................................................................... TM 9-1300-214
60MM Light Antitank Weapon (LAW) M72A1 and M72A2 With
Coupler and Practice Launcher M190 with M73 Practice Rocket ................................................................................. TM 9-1340-214-10
Demolition Materials .................................................................................................................................................... TM 9-1375-213-12
## APPENDIX B. MAINTENANCE ALLOCATION CHART
### PRACTICE ROCKET LAUNCHER M190

<table>
<thead>
<tr>
<th>(1) Group</th>
<th>(2) Functional group</th>
<th>(3) Maintenance functions</th>
<th>(4) Tools and equipment</th>
<th>(5) Remarks</th>
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<tr>
<td></td>
<td></td>
<td>SERVICE</td>
<td>RENOVATE</td>
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<td>RPACK</td>
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<td></td>
<td></td>
<td>REPLACE</td>
<td>REPLACE</td>
<td></td>
</tr>
</tbody>
</table>

| Inner tube M190 | 0 | 0 | 0 | 0 | 0 | - | - | 0 | 0 | - | - | 0 |
| Launcher M72A1 (used) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rear door pin assembly | 0 | 0 | 0 | - | 0 | - | - | 0 | 0 | - | 0 | 0 |
| Rear door | 0 | - | 0 | - | - | - | - | 0 | 0 | - | - | 0 |
| Stud | 0 | 0 | 0 | - | - | - | - | 0 | 0 | - | 0 | 0 |
| Screws | 0 | 0 | 0 | - | - | - | - | 0 | 0 | - | - | 0 |

### LEVEL OF RESPONSIBILITY

- **C** - Operator/crew
- **D** - Depot
- **O** - Organization
- **F** - Direct Support
- **H** - General Support

49 (50 blank)
ANY QUESTIONS???

HAVE A SUGGESTION MAYBE?

WE AIM TO PLEASE.

Write to us.
USE FORM DA2028

COMMANDEING OFFICER
U.S. Army Armament Research,
Development and Engineering Center
SMCAR-LMB
Picatinny Arsenal, NJ 07806-5000

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U AR 5138A
By Order of the Secretary of the Army

Official:

MILTON H. HAMILTON
Administrative Assistant to the Secretary of the Army

01104

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AND DROP IT IN THE MAIL.

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DATE SENT

PUBLICATION NUMBER

PUBLICATION DATE

PUBLICATION TITLE

BE EXACT PIN-POINT WHERE IT IS

IN THIS SPACE, TELL WHAT IS WRONG
AND WHAT SHOULD BE DONE ABOUT IT.

PAGE NO. PARAG. NO. FIGURE NO. TABLE NO.

PRINTED NAME, GRADE OR TITLE AND TELEPHONE NUMBER

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