

TM 9-1310-252-12&P



**OPERATOR'S AND UNIT MAINTENANCE
MANUAL**

(Including Repair Parts and Special Tools List)

FOR

**CARTRIDGE, 60MM: TARGET PRACTICE (SR),
M766**

NSN 1310-01-216-2706

**DISTRIBUTION STATEMENT A: Approved for public
release; distribution is unlimited.**

**HEADQUARTERS
DEPARTMENT OF THE ARMY**

MARCH 1998

WARNINGS

Do NOT FIRE CARTRIDGE THROUGH OVERHEAD OBSTRUCTIONS.
DO NOT FIRE CARTRIDGE IN TEMPERATURES ABOVE 110°F OR
BELOW -0°F.

UPON RELEASING CARTRIDGE, PASS HANDS DOWNWARD AND, AT
SAME TIME, TURN AWAY FROM MUZZLE OF MORTAR BARREL TO
PRESCRIBED BODY AND HEAD POSITIONS TO AVOID BLAST WHEN
CARTRIDGE FIRES.

IN CASE OF A MISFIRE, REFER TO MISFIRE PROCEDURES IN TM 9-
1010-223-10 OR FM 23-90.

THE MORTAR CREW WILL WEAR SINGLE HEARING PROTECTION
DURING FIRING.

RECOVERY IS ONLY AUTHORIZED ON RANGES THAT ARE USED
SOLELY FOR TARGET PRACTICE (SHORT RANGE) ROUNDS.

RECOVERY OPERATION WILL NOT TAKE PLACE UNLESS A “CEASE FIRE” IS IN EFFECT.

PERSONNEL MUST WEAR EYE PROTECTION, HEARING PROTECTION, LEATHER WORK GLOVES, DUTY UNIFORM, AND HELMET DURING RECOVERY OPERATIONS.

DO NOT STRIKE NOSE OF FUZE.

IF ANY EXPOSED SKIN HAS A BURNING SENSATION, WASH AFFECTED AREA IMMEDIATELY WITH SOAP AND WATER

PRIOR TO REFURBISHMENT OPERATION, NEW FUZES MUST BE EXAMINED. DO NOT INSTALL A FUZE WITH A MISSING PACKING CLIP AND/OR RED BAND VISIBLE (STRIKER IS IN THE ARMED POSITION).

IF PROJECTILE BEING RECOVERED DOES NOT HAVE A BLUE BREECH PLUG, STOP. DO NOT ATTEMPT TO REMOVE PROJECTILE FROM GROUND. FLAG LOCATION AND NOTIFY RANGE CONTROL/EOD.

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DEPARTMENT OF THE ARMY
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OPERATOR'S AND UNIT MAINTENANCE MANUAL
(Including Repair Parts and Special Tools List)
for
CARTRIDGE, 60MM: TARGET PRACTICE (SR), M766
NSN 1310-01-216-2706

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. You may mail, e-mail, or FAX your response. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) direct to Commander, U.S. Army N: TACOM, Armament Research, Development and Engineering Center, ATTN: AMSTA-AR-WEL, Picatinny Arsenal, NJ 07806-5000. E-mail address is LSA@PICA.ARMY.MIL. FAX number is Commercial (973) 724-4633, DSN 880-4633. A reply will be furnished to you.

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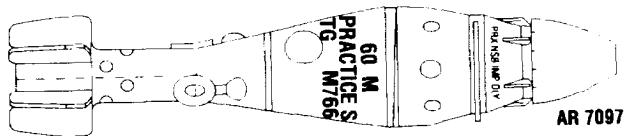
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CARTRIDGE, 60MM; TARGET PRACTICE
(SHORT RANGE), M1766-

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CHAPTER 1

INTRODUCTION

SECTION I. GENERAL INFORMATION

1.1 SCOPE.

This manual provides operating instructions for Cartridge, 60mm: Target Practice (Short Range), M766. Included are procedures for preparing, loading, firing, recovering, and refurbishing ammunition. This publication is to be used in conjunction with TM 9- 1010-223-10, Operator's Manual for Mortar 60mm M224.

1.2 MAINTENANCE FORMS AND RECORDS.

Department of Army forms and procedures used for equipment maintenance will be those prescribed by DA PAM 738-750, The Army Maintenance Management System (TAMMS).

1.3 REPORT OF DAMAGED OR IMPROPER SHIPMENT.

Damaged or improper shipments will be reported immediately using SF 364 (Report of Discrepancy (ROD)), SF 361 (Transportation Discrepancy Report), and AR 55-38 (Report of Transportation Discrepancies in Shipments).

1.4 MALFUNCTION REPORTS.

A malfunction is a failure of cartridge to perform as expected when fired. Malfunctions do not include accidents or fires from negligence or misuse. Reporting procedures are prescribed in AR 75-1 (Malfunctions Involving Ammunition or Explosives).

1.5 ACCIDENT REPORTS.

Accidents involving injury to personnel or damage to materiel are reported on DA Form 285 (U.S. Army Accident Report) in accordance with AR 385-40 (Accident Reporting and Records).

1.6 FIRE REPORTS.

DD Form 2324-1 (DOD Summary No Loss Fire Emergencies Report) or DD Form 2324 (DOD Fire Incident Report) will be used to report fires or explosions followed by fire. DD Form 2324-1 or DD Form 2324 will be submitted in addition to accident reports required by AR 385-40.

SECTION II. AMMUNITION DESCRIPTION

1.7 AMMUNITION CHARACTERISTICS, CAPABILITIES AND FEATURES.

1.7.1 Cartridge, 60mm: Target Practice (Short Range), M766 can be fired from 60mm M224 Mortar using standard sight/fire control equipment and tiring table FT 60-P- 1, C6.

1.7.2 Training cartridge can be fired to a maximum distance of 538 meters. On impact with ground or target, Fuze produces a visible

flash, cloud of smoke, and an audible sound for spotting purposes,

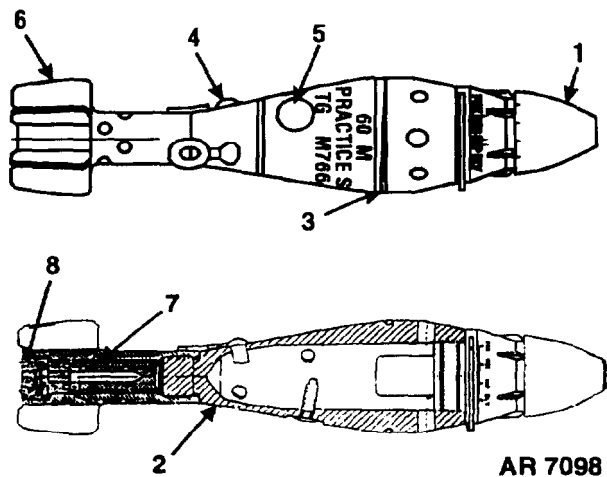
1.7.3 The spent (fired) projectiles can be recovered for refurbishment and reuse.

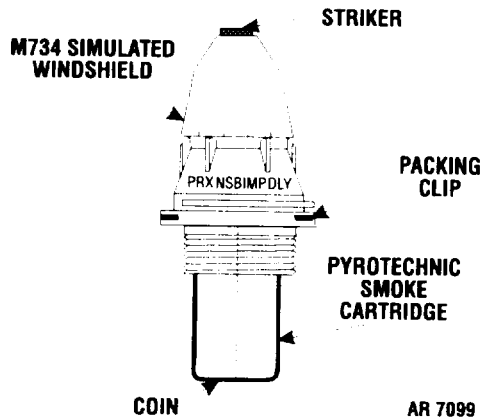
1.8

LOCATION AND DESCRIPTION OF MAJOR COMPONENTS.

Cartridge, 60mm: Target Practice (Short Range), M766 is composed of the following:

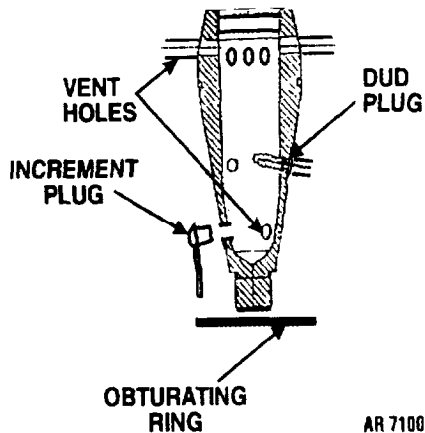
1. Fuze, Point Detonating (PD) (Practice), M779.
2. Projectile body.
3. Obturating ring.
4. Increment plugs.
5. Dud plugs.
6. Fin assembly.
7. Ignition (propelling) cartridge, M987.
8. Breech plug assembly.





1. M779 PD FUZE

- Produces a visible flash, a cloud of smoke and an audible sound on impact for spotting purposes.
- Has Multi-option type (PRX/NSB/IMP/DLY) dummy settings to simulate an M734 Multi-option Fuze.



2. PROJECTILE BODY

- Steel material.
- Hollow (empty).
- Has VENT HOLES which allow gases to escape the mortar barrel (through shell) for reduced range.

3. OBTURATING RING

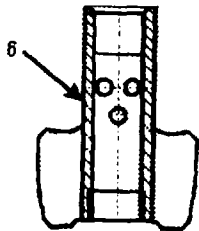
- Split ring.
- Expands outward to prevent gases from escaping around Projectile body.

4. INCREMENT PLUGS

- Regulates amount of gas allowed to vent through projectile body for range adjustment

5. DUD PLUGS

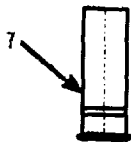
- Plastic lug.
- When fuze functions, all three dud plugs are expelled out of projectile body. Expulsion of all three dud plugs verifies fuze functioned.



6. FIN ASSEMBLY

Aluminum metal.

- Stabilizes projectile in flight,



7. M987 IGNITION CARTRIDGE

- Propels projectile downrange.
- Contains propellant and has a percussion primer.



8. BREECH PLUG ASSEMBLY

- Retains ignition cartridge in fin assembly housing.
- Has a firing pin.
- Blue color-indicates M766 cartridge

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1.9 AMMUNITION DATA.

1.9.1 CARTRIDGE.

Weight	2.9 lb
Length	11 .0 in.
Type/Use.....	Target Practice (Short Range)/Training
Identification	Blue with white markings and one brown band.
Maximum Range.	538 meters
Temperature Limits:	
Firing.....	0°F (-18°C) to +110°F (+43°C)
Storage.	Do not store at or below -45°F (-43°C) for a period of more than 3 days or at or above + 145° F (+63°C) for a period of more than 4 hr/day.
Pack.....	One cartridge in a fiber container/ Sixteen containers in wirebound box.

Packaging (wirebound box):

Total weight 76.6 lb
Dimensions 27-3/8 in. x 12-1/2 in. x 6-13/16 in

Shipping and Storage Data:

Hazard Class 1-4
Storage Compatibility Group..... G
UNO Serial Number UN0362
Proper Shipping Name Ammunition, Practice
NSN..... 1310-01-216-2706
DODAC 1310-B645

1.9.2 REPAIR KIT, CARTRIDGE, 60MM (Refurbishment Kit).

Components... Fuze, PD M779(one per kit); ignition cartridge, M987 one per kit); obturating ring (one per kit); increment plugs (three per kit); breech plug assembly (one per kit); dud plugs (three per kit).

Pack. Each kit is packed in a corrugated fiberboard (water resistant) carton. 25 cartons are packed into a corrugated fiberboard box. Each fiberboard box is contained in a sealed barrier bag. Four fiberboard boxes are packed into a wirebound box.

Packaging (Box):

Total weight 125 lb (2-man carry is required)
Dimensions 41-1/4 in. x 20-1/2 in. x 14-3/4 in.
Temperature Limit (Storage) Do not store at or below -45°F (-43°C) for period of more than 3 days or at or above +145°F (+63°C) for a period of more than 4 hr/day.

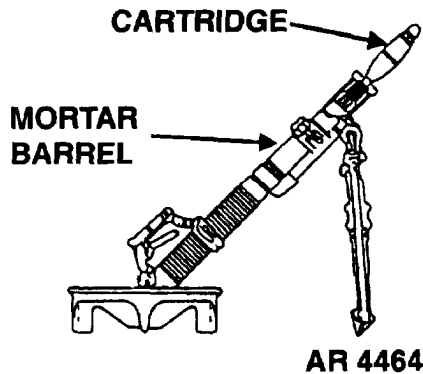
Shipping and Storage Data:

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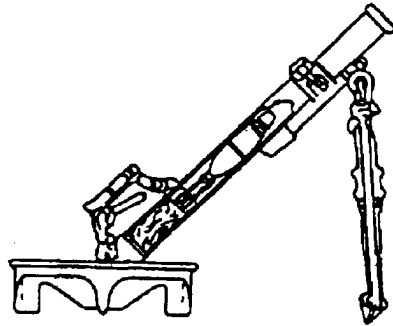
Storage Compatibility Group..... G
UNO Serial Number UN0431
Proper Shipping Name Articles, Pyrotechnic
NSN 1310-01-219-3937
DODAC I310-B653

SECTION III. PRINCIPLES OF OPERATION

1. Cartridge is inserted (loaded) into mortar barrel (fin-end first) and released.
2. Cartridge slides down mortar barrel and strikes firing pin at bottom.

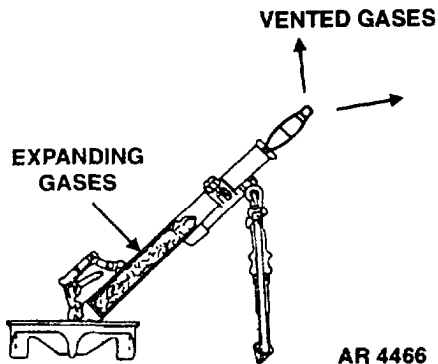


3. Firing pin of breech plug assembly strikes percussion primer of ignition cartridge. Primer functions. The propellant ignition cartridge is ignited.
4. Burning propellant produced gas.

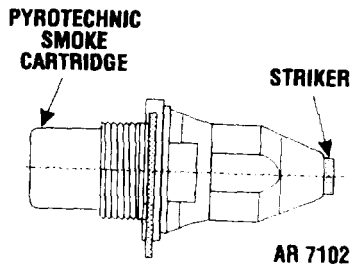


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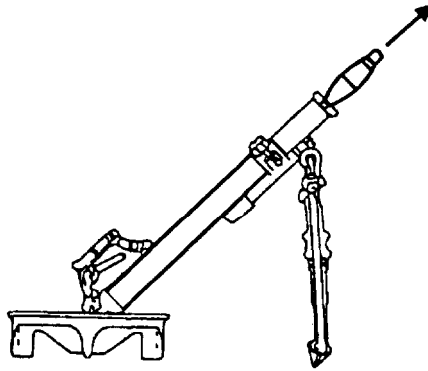
5. Propellant **GAS EXPANDS** and propels cartridge up mortar barrel.
6. Removal of plastic plug(s) from projectile body (prior to firing) allows some of propellant gas to escape. Gas enters projectile through rear hole(s) in projectile body, exits forward vent holes and out open end of mortar barrel. reduces range of cartridge.



7. Fuze arms during forward acceleration, allowing striker to be released and a steel ball to move between striker and primer of pyrotechnic smoke cartridge.



8. Cartridge leaves barrel and travels downrange. The fin assembly stabilizes its flight.
9. Fuze functions upon impact with ground (target). Striker drives steel hall into primer of pyrotechnic smoke cartridge. Smoke cartridge produces a visible flash, an audible sound, and a cloud of smoke. Dud plugs are expelled from projectile, verifying fuze function.



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CHAPTER 2

OPERATING INSTRUCTIONS

SECTION I. SAFETY REQUIREMENTS

2.1 SAFETY.

2.1.1 Cartridge, 60mm: Target Practice (Short Range), M766 can be fired on following types of ranges:

*Standard ranges where service ammunition is fired.

*Designated ranges for TP (SR) cartridges only.

2.1.2 Recovery is only authorized on ranges that are designated for TP (SR) rounds.

2.1.3 Recovery is not authorized in areas where high explosive (HE) dud projectiles may exist.

2.1.4 AR 385-63 (Policies and Procedures for Firing Ammunition for Training, Target Practice and Combat) shall be followed when firing Cartridge, 60mm: Target Practice (Short Range), M766.

2.1.5 Firing over heads of unprotected troops is prohibited.

2.1.6 Safety Fan - The surface danger zone shall be established in accordance with AR 385-63.

2.1.7 Ranges must be cleared after firing and certified clean.

SECTION II. PREPARATION FOR FIRING

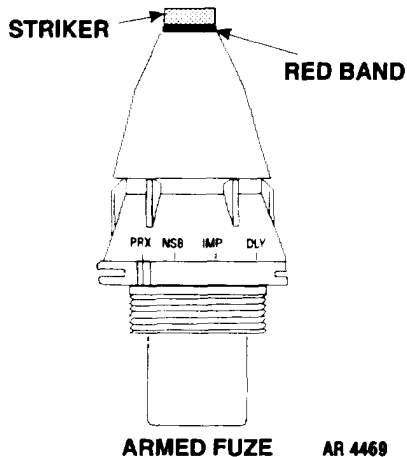
2.2 UNPACK CARTRIDGE.

NOTE

- Save packaging materials (for reuse).
- If weather is such that packaging may be damaged (e.g., rain), it should be protected.
- Do not remove packing clip until just prior to firing.
- If any dud plug(s) are missing from cartridge, place cartridge into dud pit.

2.3 EXAMINE FUZE.

Fuze may be armed if packing clip is missing or red band on striker is protruding from nose cap. **Do not** attempt to fire a cartridge with an armed fuze. Carefully lay cartridge in dud pit, without striking nose of fuze.



2.4 SET FUZE.

Set fuze for specified type of burst.

NOTE

- Fuze shall not be prepared until fire mission is given.
- M779 PD Fuze functions on impact with superquick action only. Setting of fuze is for practice only and has no affect upon actual functioning.

2.5 REMOVE PLASTIC PLUGS.

Remove proper number of plastic plugs (simulated increments) from projectile body for desired charge. The following chart shows number of plugs that should be remaining for each charge:

- | | | |
|----------|---|------------------------------------|
| Charge 0 | - | No plugs. |
| Charge 1 | - | One plug remaining on the body. |
| Charge 2 | - | Two plugs remaining on the body. |
| Charge 3 | - | Three plugs remaining on the body. |

2.6 M734 MULTI-OPTION (SIM-UNLATED) HEAD.

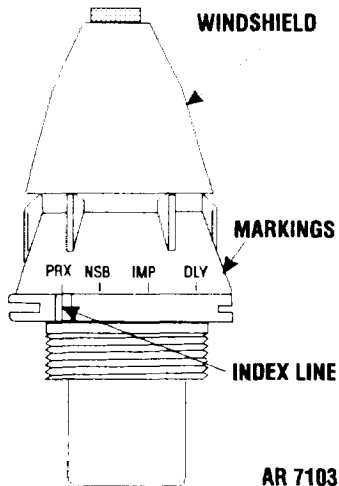
Rotate plastic windshield, in clockwise direction, by hand, until correct marking (PRX, NSB, IMP or DLY) is over index line.

PRX= Proximity

NSB= Near surface burst

IMP= Impact

DLY= Delay



SECTION III. LOADING AND FIRING

WARNING

- Do not fire cartridges through overhead obstructions.
- Do not fire cartridge in temperatures above +110°F or below 0°F.
- Upon releasing cartridge, pass hands downward and, at same time, turn away from muzzle of mortar barrel to prescribed body and head positions to avoid blast when cartridge fires.

WARNING

- In case of a misfire, there are no special procedures associated with the M766 cartridge. Refer to misfire procedures in TM 9-1010-223-10 or FM 23-90.
- The mortar crew will wear single hearing protection during firing.

CAUTION

Before loading, ensure that cartridge and bore of mortar barrel are free of sand, mud, moisture, and snow.

2.7 LOADING.

- a. Remove packing clip from fuze. Do not discard clip until cartridge has been fired. Clip will be needed if cartridge is not fired and must be repacked.
- b. Insert cartridge into mortar barrel (fin-end first).
- c. Release cartridge in proper manner on command to fire. Cartridge will slide down barrel under its own weight, strike firing pin at bottom and fire.



AR 4471

2.8 FIRING.

- a. See firing table (FT 60-P- 1) for expected ranges at various elevations.
- b. Forward observer (FO) must be in position prior to firing. The FO will observe impact of round (flash, bang, and smoke).
- c. Refer to FM 23-91 (Mortar Gunnery) and FM 6-30 (The Field Artillery Observer) for fire adjustment procedures.

2.9 LOG BOOK ENTRIES (WEAPON).

At end of a days's tiring, record number and type of rounds tired on DA Form 2408-4 (Weapon Record Data).

2.10 UNFIRED CARTRIDGES.

- a. Reinsert packing clip back into wrench slots of fuze.

- b. Reinstall increment plugs, if any were removed from projectile body.
- c. Repackage the cartridge.

SECTION IV. RECOVERY

WARNING

- Recovery is only authorized on ranges that are designated for TP (SK) rounds.
- Recovery operations will not take place unless a “cease fire” is in effect.
- Do not strike nose of fuze.

WARNING

- Personnel must wear eye protection, hearing protection, leather work gloves, duty uniform and helmet during recovery operation.
- After splitting fuze of a dud projectile in the defuzing device, if spotting charge cannot be easily removed by hand, do not attempt to remove charge with tools. Reject entire cartridge and place in dud pit.

2.11 GENERAL

2.11.1 Cartridge, 60mm: Target Practice (Short Range), M766 can be recovered for refurbishment and reuse at end of firing. Recovery and refurbishment of spent (tired) projectiles is only authorized if firing:

- On a designated TP (SK) firing range
- A “cease fire” is in effect.

2.11.2 Factors that will affect recoverability are target area terrain, manpower, time constraints, weather conditions, etc. It is recommended that recovery of spent projectiles be performed on same day as firing, to aid in locating and identifying items. In any case, recovery must be accomplished within 24 hours, to assure components may be disassembled.

2.11.3 All spent (fired) projectiles MUST be recovered and holes filled in if firing is on dedicated ranges.

2.11.4 Because of their low velocity, it is expected that most of the TP (SR) rounds can be found by looking for fin assemblies sticking out of the ground. If rounds are completely buried, their location can be determined by sighting entry holes, or disturbed dirt.

2.11.5 A section of the mortar platoon should be directed to move down-range in accordance with Range Control procedures; locate spent (fired)

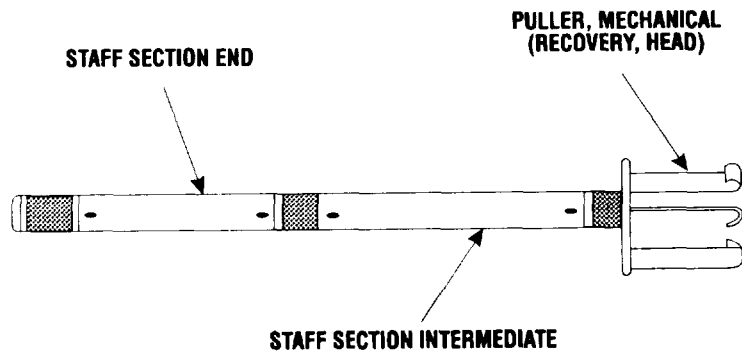
projectiles; extract projectile and defuze any dud projectiles prior to returning to refurbishment site. Remainder of platoon will be utilized for refurbishment operation.

2.12 EQUIPMENT.

2.12.1 The following equipment must be available to support the recovery operation:

- Grappling tools
- Mortar defuzing tool
- Shovels
- Defuzing tool base (locally fabricated board, see Appendix D)
- Eye protection
- Ear lugs
- Leather gloves
- Hammer, inserted-face

2.12.2 Necessary items (with exception of shovels, hoard and ear plugs) are provided in Tool Kit, Recovery and Refurbishment (NSN 5180-01-425-5956).



GRAPPLING TOOL

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AR 7104**

2.13 RECOVERY PROCEDURE,

- a. Verify that all firing into target area has completely stopped and a “cease fire” is in effect.
- b. Assemble grappling tools (if necessary).

NOTE

A recovery team outfitted with personnel protective equipment, i.e., eye protection, duty uniform, hearing protection, and leather gloves will be designated to move downrange.

- c. Move downrange and search impact area for spent (fired) projectile(s).

WARNING

- Avoid striking projectile if a shovel is used to expose fin assembly.
- If projectile being recovered does not have a blue breech plug, **STOP**. Do not attempt to remove projectile from the ground. Flag location and notify Range Control/EOD for determination of projectile type.

NOTE

The blue breech plug is positive visual indication you are extracting an M766 projectile from the ground.

- d. Recover projectiles that are partially or completely buried by performing the following steps.
 - (1) Use a shovel to expose enough of round, grasp projectile by fins then remove it by hand or with grappling tool (if necessary).
 - (2) Visually inspect for presence of dud plugs. If round is buried, dig around cartridge until dud plug holes are visible.

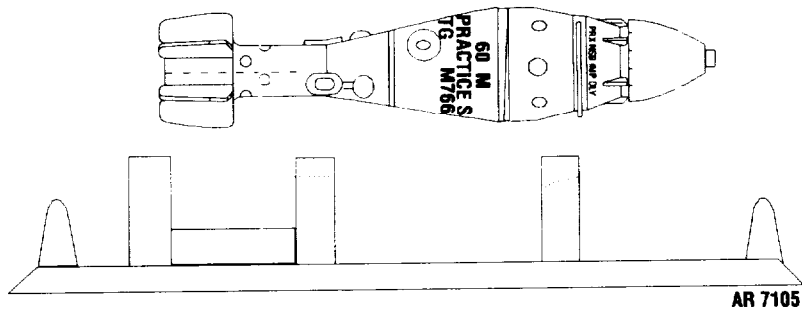
- (3) Second person must verify that dud plugs have been expelled.
 - (a) If no dud plugs are visible on projectile body, place projectile in wooden box for transport to refurbishment site and refill all holes.
 - (b) If any dud plugs remain in projectile, place cartridge into defuzing device and defuze before refurbishing.

WARNING

If spotting charge cannot be easily removed by hand, do not attempt to remove cartridge with tools. Reject entire cartridge and place in dud pit.

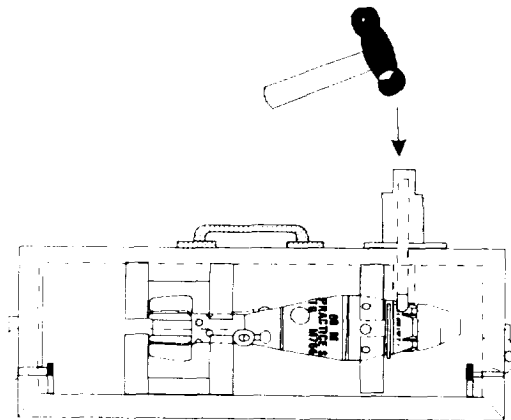
2.14 DEFUZING PROJECTILE.

- a. Open mortar defuzing tool.
- b. Place projectile in defuzing tool in proper orientation with a packing clip groove facing up.
- c. Put cover on defuzing tool and insert locking pins.



FIRED CARTRIDGE TO DEFUZING TOOL

- d. Assure side of defuzing tool with holes is facing down range and away from all personnel.
- e. Disable fuze by striking disarming assembly with hammer until chisel moves freely under spring.



AR 7106

- f. Upon opening defuzing tool, verify spotting charge has functioned.

NOTE

- If charge is discolored, then function has occurred. Projectile is then transported to refurbishment site.
- If charge is not discolored, then spotting charge is removed, placed in container, and transported to dud pit.

SECTION V. REFURBISHMENT



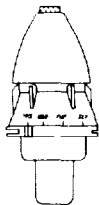
Spent (fired) projectiles will be disassembled/refurbished in a well ventilated area.

2.15 GENERAL.

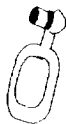
2.15.1 If projectile is not to be refurbished immediately after recovery, disassemble, clean, and lightly coat projectile body and tin assembly threads with protective oil to prevent corrosion. Oil is to be wiped off prior to refurbishment.

2.15.2 Fuze, obturating ring, plastic plugs (simulated increments), ignition cartridge, dud plugs and breech plug must be replaced

before spent (fired) cartridge can be refired. All of the necessary replacement parts are provided in refurbishment kit (NSN 13 10-01-219-3937).



FUZE



**PLASTIC PLUGS
(3 EACH)**



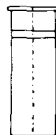
**BREECH
PLUG
ASSEMBLY**



**DUD PLUGS
(3 EACH)**



OBTURATING RING



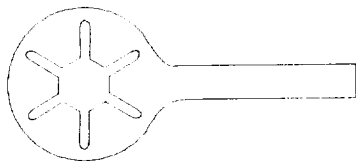
IGNITION CARTRIDGE

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AR 7107**

2.16 EQUIPMENT AND MATERIAL.

2.16.1 The following tools/equipment and material are needed to refurbish spent (tired) projectiles:

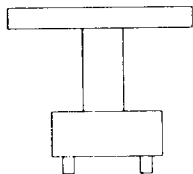
- Wrench, spanner
- Wrench, spanner (fin)
- Tool, breech plug
- Block, cartridge (for removing ignition cartridge)
- Punch, drive pin (60mm)
- Hammer, ball peen
- Channel lock pliers
- Rags, cotton
- Garbage cans, 10 gallons
- Gloves, chemical and oil protective
- Screwdriver, flat tip
- Punch, drive pin
- Brushes, wire



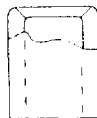
WRENCH, SPANNER (FIN)



PUNCH DRIVE PIN



TOOL, BREECH PLUG



BLOCK, CARTRIDGE

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AR 7108**

2-27

2.16.2 Necessary items (with exception of garbage cans, work tables and rags) are provided in Tool Kit, Recovery and Refurbishment (NSN 5180-01-425-5956).

2.17 SET-UP,

- a. Position at least two work (field) tables at designated refurbishment area. One table will be used for disassembly operation. The other table will be used for assembly operation.
- b. Place three empty garbage cans near disassembly workstation. Garbage cans will be used for washing reusable parts (projectile body and fin assembly) and collecting discarded parts.
- c. Place empty fiber containers and wirebound (ammunition) boxes near assembly workstation for repacking refurbished cartridges.

2.18 DISASSEMBLY PROCEDURE.

WARNING

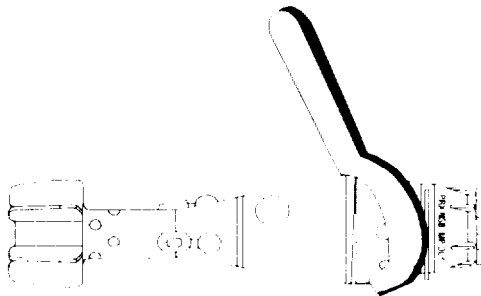
If any exposed skin has a burning sensation, wash affected area immediately with soap and water.

NOTE

Dud plug(s) will be present on defuzed projectiles.

- a. Check recovered projectile for presence of dud plug(s).
 - (1) If all dud plugs expelled, place in water and clean projectile.
 - (2) If some dud plugs were not expelled from projectile body, return projectile to defuzing tool to disable fuze.
- b. Place projectile on work table to remove fuze. Use spanner wrench to secure projectile if required.

- c. Remove fuze using channel lock pliers. Rotate fuze counter-clockwise (to left). Verify coin has blown out of the base of fuze.
- (1) If fuze coin has not blown out, immediately thread fuze back into projectile and transport to defuzing device to defuze.
 - (2) If fuze has functioned, discard remainder of fuze into trash container.

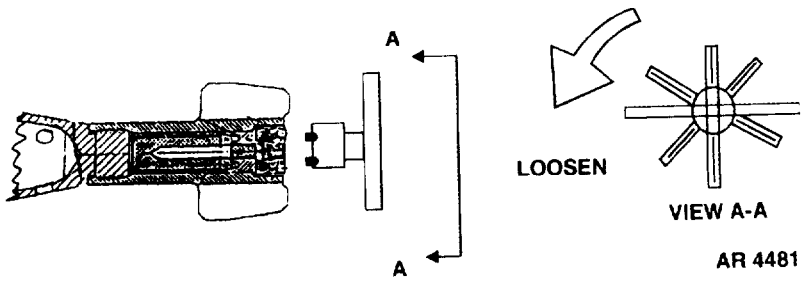


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AR 7109

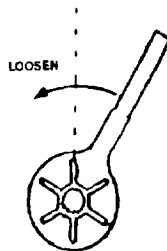
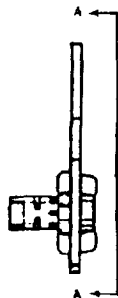
- d. Remove breech plug assembly and fin assembly.
 - (1) Loosen breech plug assembly using breech plug tool. Pins of wrench engage holes in breech plug. Rotate breech plug counterclockwise (to left).

NOTE

If breech plug assembly cannot be removed from fin, dispose of complete projectile in accordance with local Standard Operating Procedures (SOP).



- (2) Unscrew loosened breech plug assembly by hand and remove. Discard breech plug assembly into trash container.
- (3) Loosen fin assembly. Use fin spanner wrench to loosen fin assembly. Slotted end of wrench engages fins. Rotate fin assembly counterclockwise (to left).
- (4) Unscrew loosened fin assembly by hand and remove.



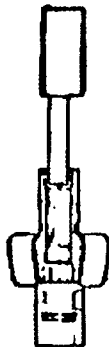
VIEW A-A

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e. Remove spent ignition cartridge (from fin assembly).

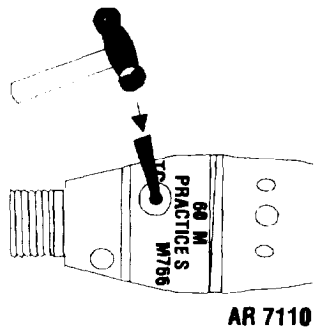
(1) Place fin assembly (fin down) on top of block.

(2) Use a hammer and punch to drive out ignition cartridge. Insert punch end into open end of fin. Tap punch until ignition cartridge drops out of fin assembly and into block. Discard ignition cartridge into trash container.



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AR 4484

- f. Remove remaining plastic (simulated increment) plugs and old obturating ring (if present) from projectile body using screwdriver. Discard remaining plastic and/or old obturating ring into trash container.
- g. Remove dud plugs (if present) from projectile body by using drive punch set on center of dud plug and tap lightly on punch with hammer. Discard remaining dud plug(s) into trash container.



2.19 ASSEMBLY PROCEDURE.

WARNING

If any exposed skin has a burning sensation at any step of refurbishment procedure, wash affected area immediately with soap and water.

- a. Thoroughly clean projectile body and fin assembly with water. Remove as much dirt and spotting charge residue as possible. Use a wire bristle brush to clean exterior of projectile body and fin assembly. Clean vent holes (forward and rear), dud plug holes, fuzewell threads of projectile body, ignition cartridge housing, and internal threads of fin assembly with provided wire brushes.
- b. Using clean rags thoroughly dry projectile body, all threads and fin assembly.

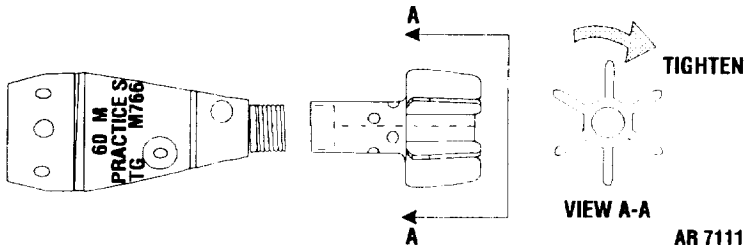
- c. Visually inspect projectile body and fin assembly. If damaged (dents, cracks or gouges), projectile will be rejected. Dispose of damaged projectile in accordance with local SOP.
- d. If cartridge is not refurbished at this time, coat projectile and fin threads with a light coat of oil and repackage in accordance with step m.

NOTE

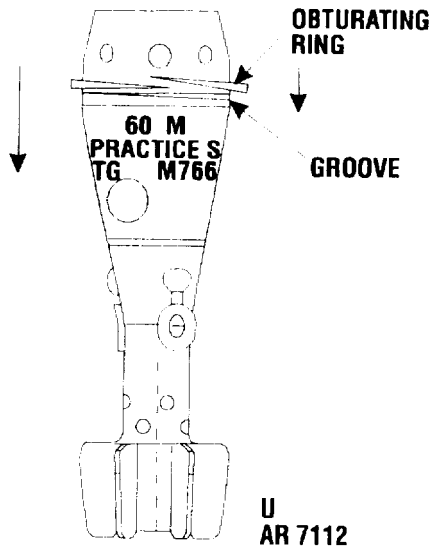
Any items that cannot be properly reassembled will be rejected.

- e. Open refurbishment kit. If fuze packing clip is missing or if striker is in armed position (red hand is visible), place complete kit in dud pit.

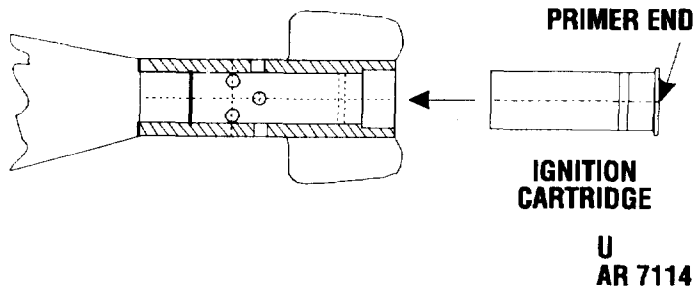
- f. Assemble fin assembly to projectile body.
- (1) Screw fin assembly onto projectile body, by hand, until it fully seats against base. Rotate fin assembly clockwise (to right).
 - (2) Secure fin assembly handtight.
- g. Install three increment plugs into rear vent holes, tangs pointing toward rear of projectile body.
- h. Install three dud plugs in counter sunk holes of projectile body.



- i. Install obturating ring on projectile body.
 - (1) Slide obturating ring down nose end of projectile body, as illustrated.
 - (2) Expand ring until it snaps into groove in body.
 - (3) Visually observe that obturating ring is flush or below surface of projectile body. If ring is above flush, remove ring, check/reclean groove and reseal. If still above flush, obtain a second obturating ring from another refurbishment kit. Install second obturating ring onto projectile body. If second obturating ring does not seat correctly, remove obturating ring and previously installed plastic plugs. Dispose of projectile as unserviceable in accordance with local SOP.



- j. Install ignition (propelling) cartridge.
 - (1) Insert ignition cartridge (primer end last) into housing of fin assembly, as illustrated.
 - (2) Do not use any tools to force ignition cartridge into housing. If ignition cartridge does not enter freely, clean housing and re-insert.
 - (3) If ignition cartridge does not enter freely after recleaning, ignition cartridge shall be rejected.

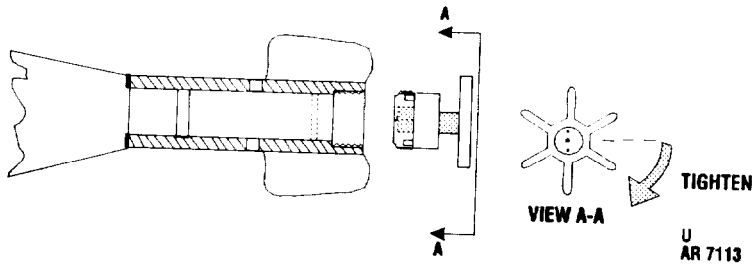


NOTE

Assure that tiring pin is in place and can be moved freely before installing breech plug assembly.

k. Install breech plug assembly.

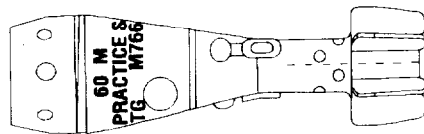
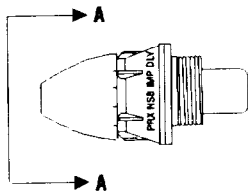
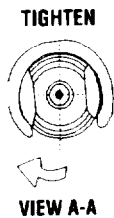
- (1) Assemble breech plug assembly into end of fin assembly, by hand, as illustrated. Rotate breech plug assembly clockwise (to right).
- (2) Apply one quarter turn rotation with breech plug tool until breech plug assembly is seated.



WARNING

Examine fuze before installing. Do not install fuze with a missing packing clip and/or if red band is visible (striker is in the armed position).

1. Install fuze to projectile body.
 - (1) Set projectile on worktable in horizontal position.
 - (2) Hold projectile body.
 - (3) Assemble fuze to nose of projectile, by hand, in clockwise (to right) direction, until it fully seats against nose of projectile.
 - (4) Secure fuze, handtight.



AR 7115

- m. Repack cartridges in fiber containers and wirebound boxes (if desired) that were saved from previous tiring.
 - (1) Assure that fuze has a packing clip,
 - (2) Insert cartridge into fiber container, fuze-end first.
 - (3) Install container cover of fiber container.
 - (4) Pack sixteen cartridges/fiber containers into a wirebound box. Alternate cover end of fiber containers to evenly distribute weight,
 - (3) Close lid of wirebound box and secure with wire loops, and return to tiring range.

- n. Unused (new) cartridges and extra refurbishment kits shall be returned to the Ammunition Supply Point (ASP) at end of exercise.

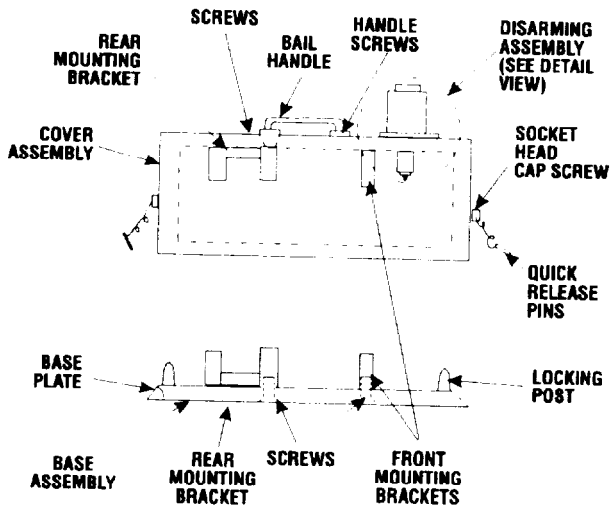
CHAPTER 3

REPAIR MORTAR DEFUZING TOOL

SECTION I. INSPECTION

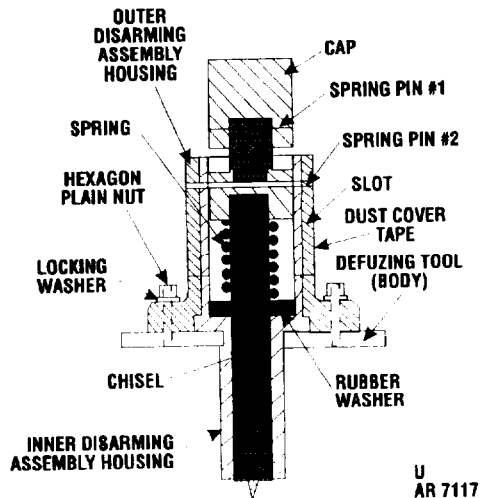
3.1 MORTAR DEFUZING TOOL,

The mortar defuzing tool should be inspected for cracked, broken, and/or loose parts prior to each exercise. Inspection includes defuzing tool body (box), bail handle, disarming assembly, or other parts. If any items are damaged, replace with parts identified in Repair Parts and Special Tools List. If defuzing tool (box) is damaged (cracked, broken, or loose), box will be turned in for repair. Any loose parts should be tightened.



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MORTAR DEFUZING TOOL



DISARMING ASSEMBLY

SECTION II. DISASSEMBLY OF MORTAR DEFUZING TOOL COMPONENTS

3.2 CHISEL ASSEMBLY AND CHISEL CAP.

- a. Remove spring pin No. 1 from chisel cap by using hammer and drive pin punch.
- b. Remove spring pin No. 2 from disarming assembly by using hammer and drive pin punch.
- c. Remove chisel cap, chisel assembly, spring, and rubber washer from disarming assembly.

3.3 DISARMING ASSEMBLY.

- a. Remove chisel assembly in accordance with steps above,

- b. Unscrew four machine screws, nuts, and locking washers counterclockwise (to left) from disarming assembly by using 3/8-inch hex key wrench.
- c. Remove chisel housing from defuzing device body.

3.4 BAIL HANDLE.

- a. Unscrew five handle screws counterclockwise (to left) on bail handle with 1/8 -inch hex key wrench.
- b. Remove bail handle from defuzing tool body.

3.5 SOCKET HEAD CAP SCREW AND QUICK-RELEASE PINS

- a. Remove socket head cap screw counterclockwise (to left) on side of defuzing tool with 3/16-inch hex key wrench.

- b. Remove connecting wires and two quick- release pins on side of defuzing tool body.

3.6 FRONT AND REAR MOUNTING BRACKETS (known as Front and Rear Supports).

- a. Turn defuzing device upside down.
- b. Unscrew two screws counterclockwise (to left) for each mounting bracket with 3/16-inch hex key wrench.
- c. Remove front or back mounting bracket from base of defuzing tool body.

3.7 KIT CONTENTS.

3.7.1 KIT NO. 1 contains the following:

- Chisel cap
- Chisel assembly
- Spring
- Washer, rubber
- Pin, spring, NO. 1
- Pin. spring, NO. 2

3.7.2 KIT NO. 2 contains the following:

- 3/8-16-2A x 1-1/2-inch screws (4 each)
- Washers, locking (4 each)
- 3/8- inch nut (4 each)
- Disarming assembly (inner and outer housing)

SECTION III. REASSEMBLY OF DEFUZZING DEVICE COMPONENTS

3.8 CHISEL ASSEMBLY AND CHISEL CAP ASSEMBLY WITH KIT NO. 1.

- a. Place rubber washer into disarming assembly.
- b. Place spring over chisel assembly.
- c. Place chisel assembly into disarming assembly.
- d. Align slot in disarming assembly with chisel assembly hole.
- e. Place spring pin No. 2 through hole between chisel assembly by using hammer to tap spring pin No. 2 into it.

- f. Place chisel cap over chisel head and align holes from chisel cap and chisel assembly.
- g. Place spring pin No. 1 through hole between chisel cap and chisel assembly by using hammer to tap spring pin No, 1 into it.

3.9 NEW DISARMING ASSEMBLY WITH KIT NO. 2.

- a. Place disarming assembly into defuzing tool body.
- b. Align four holes of disarming assembly with holes from defuzing tool body.
- c. Place four machine screws with nuts and locking washers into holes by using 3/8-inch hex key wrench. Rotate clockwise (to right) until screw is fully seated with base of disarming assembly.
- d. Repeat step above for assembling new chisel assembly.

3.10 BAIL HANDLE.

- a. Place bail handle on top of defuzing tool body.
- b. Align five handle screw holes with holes in defuzing tool.
- c. Place five handle screws into holes with 1/8-inch hex key wrench. Rotate clockwise (to right) until screw is fully seated with base of bail handle,

3.11 SOCKET HEAD CAP SCREW AND QUICK-RELEASE PINS.

- a. Place socket head cap screw into ring of connecting wire of quick release pins.
- b. Align and place socket head cap screw into side of defuzing tool body.

- c. Rotate socket head cap screw clockwise (to right) by using 3/16-inch hex key wrench until screw is fully seated.
- d. Place two quick release pins into side of defuzing tool body.

3.12 FRONT AND REAR MOUNTING BRACKETS (known as Front and Rear Supports).

- a. Place front mounting bracket (with a larger radius cut) on bottom of defuzing device.
- b. Place two screws through base of defuzing device, using 3/16-inch hex key wrench until screw is fully seated.
- c. Using same procedure as above, assemble back mounting bracket, assuring that stop plate is toward rear of defuzing tool body.

3.13 REPAIR OF BREECH PLUG TOOL.

- a. Drive remaining pin(s) into body of tool and sink them in as far as possible using a drive pin punch.
- b. Drive new pin using drive pin punch until 3/32-inch is exposed.

CHAPTER 4

MAINTENANCEINSTRUCTIONS

SECTION I. WEAPON

Refer to TM 9-1010-223-10, Operator's Manual for Mortar, 60mm M224.

SECTION II. AMMUNITION

Refer to Chapter 2 of this manual.

SECTION III. MORTAR DEFUZING TOOL, BREECH PLUG TOOL

Refer to Chapter 3 of this manual.

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APPENDIX A REFERENCES

A.1 ARMY REGULATIONS.

Report of Transportation Discrepancies in

Shipment	AR 55-38
Defense Traffic Management Regulation.....	AR 55-355
Engineering for Transportability	AR 70-47
Malfunctions Involving Ammunition and Explosives . . .	AR 75-1
Accident Reporting and Records	AR 385-40
Policies and Procedures for Firing Ammunition for	
Training, Target Practice, and Combat	AR 385-63
Integrated Logistics Support	AR 700-127

A.2 FIELD MANUALS.

The Field Artillery Observer	FM 6-30
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Tactical Employment of Mortars	FM 7-90
Mortars	FM 23-90
Mortar Gunnery	FM 23-91

A.3 FORMS.

U.S. Army Accident Report	DA Form 285
Recommended Changes to Publications and Blank Forms	DA Form 2028
Weapon Record Data	DA Form 2408-4
DOD Fire Incident Report	DA Form 2324
DOD Summary No Loss Fire Emergencies Report.....	DD Form 2324-1
Transportation Discrepancy Report.....	SF 361
Report of Discrepancy (ROD).....	SF 364

A.4 MISCELLANEOUS PUBLICATIONS.

The Army Maintenance Management System (TAMMS)	DA PAM 738-750
Physical Security of Sensitive Conventional Arms Ammunition and Explosives.	DOD 5100.76M

A.5 TECHNICAL PUBLICATIONS.

Operator's Manual for Lightweight Company Mortar, 60mm: M224	TM 9-1010-223-10
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A.6 FIRING TABLE.

Mortar, 60mm, M224; Firing Cartridge (SR) M766.	FT 60-P-1
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APPENDIX B

REPAIR PARTS AND SPECIAL TOOLS LIST

SECTION I INTRODUCTION

B.1 SCOPE.

B.1.1 This RPSTL lists and authorizes spare and repair parts and other support equipment required for performance of operation and unit maintenance of Cartridge, 60mm: Target Practice (short range) M766. It authorizes the requisitioning issue, and disposition of spares and repair parts as indicated by the Source, Maintenance and Recoverability (SMR) codes.

B.2 GENERAL

B.2.1 In addition to Section I, Introduction, this Repair Parts List is divided into the following sections:

a. Section II - Repair Parts List - A list of spares and repair parts authorized by the RPSTL for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in ascending alphanumeric sequence. Items listed are shown on associated illustrations. Kits are listed separately and contain necessary support equipment to recover and refurbish (maintain) expended cartridges.

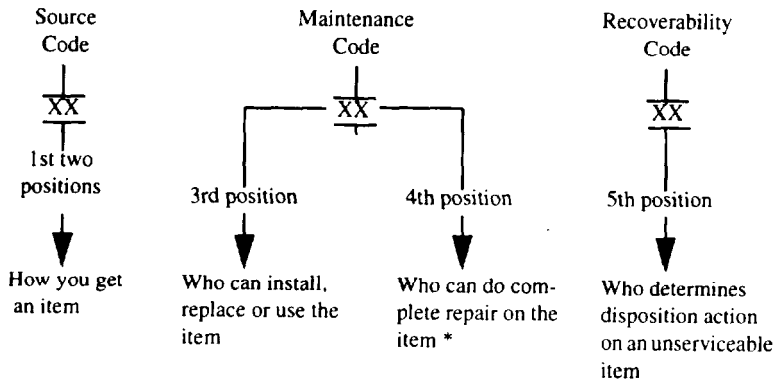
b. Section III - Special Tools List - Not applicable.

c. Section IV - Cross Reference Indexes - A list of National Stock numbers in National Item Identification Number (NIIN) sequence, of all National Stock numbered items appearing in listings, followed by an alphanumeric parts numbers listings.

B.3 EXPLANATION OF LISTING.

a. National Stock Numbers and/or part numbers, descriptions and quantities are provided to assist the mortar platoon on requisitioning the proper ammunition parts and equipment.

b. Brief explanation of Source Maintenance and Recoverability (SMR) codes. The SMR code contains supply requisitioning information maintenance level authorization criteria, and disposition instruction, as shown in the following breakout:



Section II. REPAIR PARTS AND SPECIALS LIST

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP 00 FIGURE B1 CARTRIDGE, 60MM: TARGET SHORT RANGE PRACTICE M766 (19200) 12972333	
1	PDOZZ	19200	12929679	..TOOLKIT AMMUNITION MAINTENANCE: ..BLOCK, CARTRIDGE, 60MM: M766	1
				..BRUSH, WIRE, TUBE:	B2-1 (1)
				..BRUSH, WIRE, SCRATCH:	B2-2 (1)
				..DEFUZING TOOL, MORTAR: KNOWN AS DEFUZING DEVICE	B2-3 (2)
				..FACE, HAMMER, INSERTED:	B2-23 (1)
					B2-4 (2)

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				..GLOVES, CHEMICAL AND OIL PROTECTIVE:	B2-5 (3)
				..GLOVES, MEN'S AND WOMENS: LEATHER	B2-6 (6)
				..GOGGLES, INDUSTRIAL:	B2-7 (6)
				..HAMMER, HAND:	B2-8 (1)
				..HOLDER, INSERTED HAM- MER FACE:	B2-9 (1)
				PIN, STRAIGHT, HEADLESS:	B2-10 (12)
				..PLIERS, SLIP JOINT:	B2-11 (1)
				..PULLER, MECHANICAL: RECOVERY ASSY, LOWER	B2-12 (2)
				..PUNCH, DRIVE PIN:	B2-13 (1)
				..PUNCH, DRIVE PIN: 60MM, FOR IGNITION CAR- TRIDGE REMOVAL	B2-14 (1)

B-6

(1)	(2)	(3)	(4)	(5)	(6)
ITEM	SMR	CAGE	PART	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
NO	CODE	CAGE	NUMBER		
				..BRUSH, WIRE, TUBE:	B2-15 (1)
				..SCREWDRIVER, FLAT TIP:	B2-16 (1)
				..SHIPPING AND STORAGE CONTAINER CARTRIDGE M592	B2-17 (1)
				..STAFF SECTION CLEANING ARTILLERY: INTERMEDI- ATE	B2-18 (2)
				..STAFF SECTION, CLEANING ARTILLERY: END	B2-19 (2)
				..WRENCH, SPANNER:	B2-21 (1)
				..WRENCH, SPANNER: 60MM/81MM KNOWN AS TOOL, BREECH PLUG	B2-20 (2)
				..WRENCH, SPANNER: 60MM FIN	B2-22 (1)

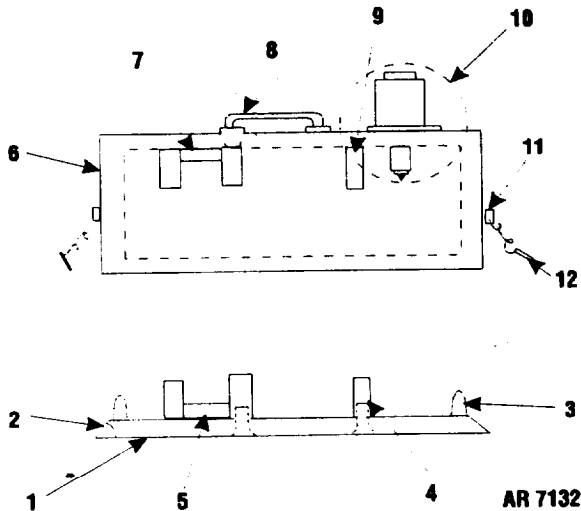
(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP 0001 FIGURE B2. TOOL KIT, AMMUNITION: (19200) 12929679	
1	PAOZZ	19200	12929659	BLOCK, CARTRIDGE, 60MM: M766	1
2	PAOZZ	60861	792000577 4057	BRUSH, WIRE, TUBE: 10 PER PACKAGE	1
3	PAOZZ	72915	8078883	BRUSH, WIRE, SCRATCH:	2
4	PAOZZ	76732	25N	FACE, HAMMER, INSERTED: 2.5 IN. DIA., FACE-MEDIUM HARD	2
5	PAOZZ	81348	ZZ-G-381	GLOVES, CHEMICAL AND OIL PROTECTIVE: RUBBER	3
6	PAOZZ	81349	MIL-G- 2366	GLOVES, MEN'S AND WOM- EN'S: LEATHER	6

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
7	PAOZZ	58536	A-A-I I IO	GOGGLES, INDUSTRIAL:	6
8	PAOZZ	81348	GGG-H-86	HAMMER-HAND: BALL- PEEN	1
9	PAOZZ	81348	GGG-H-33	HOLDER, INSERTED HAM- MER FACE: 2-1/2" DIA., 4LBS	1
10	PAOZA	96906	MS9390- 090	PIN, STRAIGHT, HEADLESS: 0.094 X .375 LG - REPAIR PART TO TOOL BREACH PLUG	12
11	PAOZZ	C7127	HL112P	PLIER, SLIP JOINT:	1
12	PAOZZ	19200	12929676	PULLER, MECHANICAL: RECOVERY ASSEMBLY, LOWER - 1 OF 3 PARTS THAT MAKE UP A GRAPPLING TOOL	2
13	PAOZZ	81348	GGG-P-831	PUNCH, DRIVE PIN:	1

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
14	PAOZZ	19200	12929658	PUNCH, DRIVE PIN: 60MM, FOR IGNITION CARTRIDGE REMOVAL	1
15	PAOZZ	28532	BRM84- 250	BRUSH, WIRE, TUBE: 12 PER PACKAGE	1
16	PAOZZ	96508	R3322-2	SCREWDRIVER, FLAT TIP:	1
17	PAOZZ	19200	10542565	SHIPPING AND STORAGE CONTAINER CARTRIDGE: M592 FOR 30MM CTGS	1
18	PAOZZ	K3743	137- NM32601- SA	STAFF SECTION CLEANING, ARTILLERY: INTERMEDI- ATE-2 OF 3 PARTS THAT MAKE UP A GRAPLING TOOL	2

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
19	PAOZZ	U1515	MR11106	STAFF SECTION, CLEAN- ING, ARTILLERY: END - 3 OF 3 PARTS THAT MAKE UP A GRAPPLING TOOL	2
20	PAOZZ	19200	12630666	WRENCH, SPANNER: 60MM/ 81MM KNOWN AS TOOL. BREECH PLUG	2
21	PAOZZ	81348	GGG-W- 665	WRENCH, SPANNER:	1
22	PAOZZ	19200	12929670	WRENCHSPANNER: 60MM	1
23	PAOZZ	19200	12929690	DEFUZING TOOL, MORTAR: KNOWN AS DEFUZING DEVICE	1

END OF FIGURE

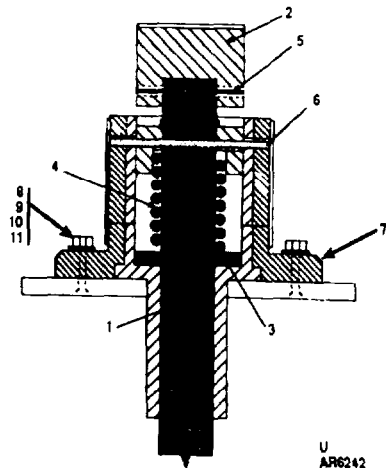


**FIGURE B3. DEFUZING TOOL,
MORTAR: (KNOWN AS DEFUZING
DEVICE)**

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP 000101 FIGURE B3. DEFUZING TOOL, MORTAR: KNOWN AS DEFUZING DEVICE (19200) 12929690	
1	XAOOO	19200	12929688	BASE ASSEMBLY:	1
2	XAOZZ	19200	12929696	PLATE, BASE:	1
3	XAOZZ	19200	12929698	POST, LOCKING:	4
4	PAOZZ	19200	12929671	BRACKET, MOUNTING: KNOWN AS SUP- PORT, FRONT - LOWER	1
5	PAOZZ	19200	12929672	BRACKET, MOUNTING: KNOWN AS SUPPORT,-REAR -LOWER	1
6	XAOOO	19200	12929689	COVER ASSEMBLY:	1

(1) ITEM NO	(2) SMR CODE	(3) CACEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
7	PAOZZ	19200	12929672	BRACKET, MOUNTING: KNOWN AS SUPPORT, REAR -UPPER	1
8	PAOZZ	96906	MS18012-3	HANDLE, BAIL:	1
9	PAOZZ	19200	12929671	BRACKET, MOUNTING: KNOWN AS SUPPORT, FRONT-UPPER	1
10	XDOOZ	19200	12929705	DISARMING ASSEMBLY:	1
11	PAOZZ	19200	12929704	SCREW, CAP, SOCKETHEAD: 10-32 THD X 1/2" LG	4
12	PAOZZ	96906	MS17984C 616	PIN, QUICK RELEASE:	4
13	PAOZZ	19200	12929722	TOOL KIT, AMMUNITION: DEFUZING DEVICE REPAIR PARTS KIT #1 NOT ILLUS- TRATED	1

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
14	PAOZZ	19200	12929723	TOOL KIT, AMMUNITION: DEFUZING DEVICE REPAIR PARTS KIT #2 NOT ILLUS- TRATED	1
END OF FIGURE					



**FIGURE B4. TOOL KIT, AMMUNITION: KIT #1 AND KIT #2
(DEFUZING DEVICE REPAIR PARTS FOR DISARMING ASSEMBLY)**

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP 9901 FIGURE B4. TOOL KIT, AMMUNITION: (DEFUZING DEVICE REPAIR PARTS) KIT #1 (19200) 12929722 (1 OF 2)	
1	KFOZZ	19200	12929715	CHISEL ASSEMBLY:	1
2	KFOZZ	19200	12929718	CHISEL, CAP:	1
3	KFOZZ	19200	12929719	RUBBER WASHER:	1
4	KFOZZ	19200	12929720	SPRING:	1
5	KFOZZ	96906	MS5171658	SPRING PIN: NO. 1, 1/4 X 1-11/2 IN. LG	1
6	KFOZZ	96906	MS5171634	SPRING PIN: NO. 2, 1/4 X 2-1/2 IN. LG	1

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP 9902 FIGURE B4. CONT'D TOOL KIT. AMMUNITION: (DEFUZ- ING DEVICE REPAIR PARTS) KIT #2 (19200) 12929723 (2 OF 2)	
7	KFOZZ	19200	12929706	CHISEL ALIGNMENT SUPPORT ASSEMBLY:	1
8	KFOZZ	96906	MS35691- 19	NUT, PLAIN, HEXAGON: 3/8-16 STAINLESS STEEL	4
9	KFOZZ	96906	MS16995- 83	SCREW, CAR SOCKET HEAD: 3/18-16 STAINLESS STEEL	4
10	KFOZZ	96906	MS15795- 814	WASHER, FLAT: 3/8 IN., STAINLESS STEEL	4
11	KFOZZ	39428	92146A031	WASHER, METAL LOCKING: 3/8 IN. STAINLESS STEEL	4
				END OF FIGURE	

CROSS-REFERENCE INDEXES

PART NUMBER INDEX

CAGEC	PART NUMBER	STOCK NUMBER	FIG.	ITEM
19200	10542565	8140-01-083-9229	B2	17
19200	12630666	5120-01-374-0892	B2	20
19200	12929658	5120-01-428-3986	B2	14
19200	12929659	1015-01-425-6555	B2	1
19200	12929670	5120-01-425-7105	B2	22
19200	12929671	5340-01-425-5953	B3	4
19200	12929671	5340-01-425-5953	B3	9
19200	12929672	5340-01-425-5952	B3	5
19200	12929672	5340-01-425-5952	B3	7

PART NUMBER INDEX

CAGEC	PART NUMBER	STOCK NUMBER	FIG.	ITEM
19200	12929676	5120-01-425-5950	B2	12
19200	12929679	5180-01-425-5956	B1	1
19200	19229688		B3	1
19200	12929689		B3	6
19200	12929690	4925-01-425-5957	B2	23
19200	12929696		B3	2
19200	12929698		B3	3
19200	12929704	5305-01-381-4889	B3	11
19200	12929705		B3	10
19200	12929706		B4	7

PART NUMBER INDEX

CAGEC	PART NUMBER	STOCK NUMBER	FIG.	ITEM
19200	12929715		B4	1
19200	12929718		B4	2
19200	12929719		B4	3
19200	12929720		B4	4
19200	12929722	5180-01-348-3079	B3	13
19200	12929723	5180-01-348-3080	B3	14
K3743	137-NM32601- SA	1015-99-960-7161	B2	18
76732	25N	5120-00-357-5868	B2	4
60861	7920005774057	7920-00-577-4057	B2	2

PART NUMBER INDEX

CAGEC	PART NUMBER	STOCK NUMBER	FIG.	ITEM
72915	8078883	7920-00-291-5815	B2	3
39428	92146A031		B4	11
58536	A-A-1110	4230-00-052-3776	B2	7
228532	BRM84-250	7920-00-900-3586	B2	15
81348	GGG-H-33	5120-00-903-8551	B2	9
81348	GGG-H-86	5120-00-061-8543	B2	8
81348	GGG-P-831	5120-00-293-0791	B2	13
81348	GGG-W-665	5120-00-394-1992	B2	21
C7127	HL112P	5120-00-781-0819	B2	11
81349	MIL-G-2366	8415-00-268-7870	B2	6

PART NUMBER INDEX

CAGEC	PART NUMBER	STOCK NUMBER	FIG,	ITEM
U1515	MR11106	1015-99-960-7160	B2	19
96906	MS15795-814		B4	10
96906	MS16995-83		B4	9
96906	MS17984C616	5315-00-007-6103	B3	12
96906	MS18012-3	5340-00-836-1938	B3	8
96906	MS35691-19		B4	8
96906	MS5171634		B4	6
96906	MS5171658		B4	5
96906	MS9390-090	5315-00-834-3468	B2	10
96508	R3322-2	5120-00-062-8454	B2	16
81348	ZZ-G-381	8415-00-641-4600	B2	5

NATIONAL STOCK NUMBER INDEX

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
5315-00-007-6103	B3	12	5120-00-781-0819	B2	11
4240-00-052-3776	B2	7	5315-00-834-3468	B2	10
5120-00-061-8543	B2	8	5340-00-836-1938	B3	8
5120-00-062-8454	B2	16	7920-00-900-3586	B2	15
8415-00-268-7870	B2	6	5120-00-903-8551	B2	9
7920-00-291-5815	B2	3	8140-01-083-9229	B2	17
5120-00-494-1992	B2	21	5180-01-348-3079	B3	13
8415-00-641-4600	B2	5	5180-01-348-3080	B3	14
5120-00-293-0791	B2	13	5120-01-374-0892	B2	20
5120-00-357-5868	B2	4	5305-01-381-4889	B3	11
7920-00-577-4057	B2	2	5120-01-425-5950	B2	12
7920-00-577-4057	B2	11	5340-01-425-5952	B3	5

APPENDIX C
EXPENDABLE AND DURABLE ITEMS LIST

SECTION I INTRODUCTION

C.1 SCOPE.

C.1.1 This appendix lists expendable items which are required for refurbishment (maintenance) of Cartridge, 60mm: Target Practice (Short Range) M766.

C.1.2 Expendable supplies shall be requisitioned through normal supply channels to comply with maintenance requirements.

C.2. EXPLANATION OF COLUMNS.

C.2.1 Column 1. Item Number. This number is assigned to the entry in the listing for referencing when required.

C.2.2 Column 2. Level. The column identifies the lowest level of maintenance that requires the item.

- O - Unit Maintenance
- F - Direct Support Maintenance
- H - General Support Maintenance

C.2.3 Column 3. National Stock Number. This is the National Stock Number (NSN) assigned to the item; use it to request or requisition the item.

C.2.4 Column 4. Description. This indicates the federal item name and if required a description to identify the item. The last line of each item indicates the Commercial and Government Entity Code (CAGE) parenthesis followed by the part number.

C.2.5 Column 5. Unit of Measure (UM) /Unit of Issue (UI). This measure is expressed by a two character alphabetical abbreviation (e.g., EA, IN, PR). If the unit of measure differs from the unit of

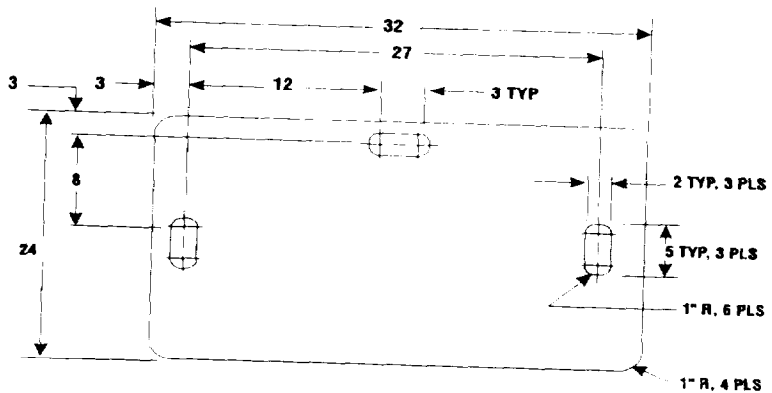
issue as in the Army Master Data File (AMDF) requisition the lowest unit of issue that will satisfy your requirements.

SECTION II EXPENDABLE AND DURABLE ITEMS LIST

(1) Item Number	(2) Level	(3) National Stock Number	(4) Description	(5) (U/M)/ (U/I)
1	O	9150-00-231-2361	LUBRICATING OIL, GENERAL PURPOSE: gl (81349) MILL3150,	QT
2	O	7920-00-205-1711	RAGS, WIPING: (58536) A-A-2522	BE

APPENDIX D
FABRICATION INSTRUCTIONS - WORKBOARD

1. Material: Plywood, 3/4 inch or 5/8 inch.
2. Fabricate board as shown in illustration. All dimensions are in inches. Tolerance on all dimensions is $\pm 1/8$ -inch.
3. Cut three hand-holds as shown (optional).
4. Sand all rough edges. Top coat optional.




WORKBOARD

U
AR 7118

By Order of the Secretary of the Army:

Dennis J. Reimer
General, United States Army
Chief of Staff

Official:


JOEL B. HUDSON
*Administrative Assistant to the
Secretary of the Army*
04919

Distribution:

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