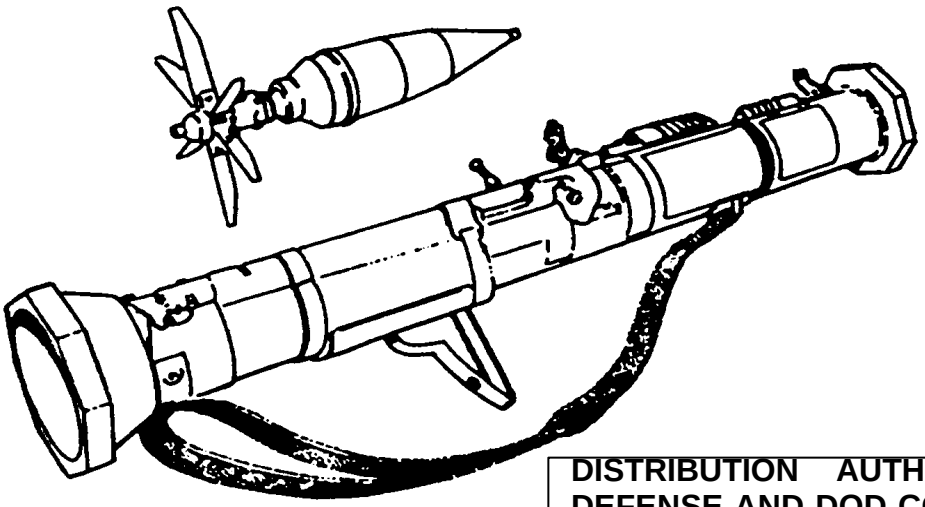
# TECHNICAL MANUAL
# OPERATOR'S AND UNIT
# MAINTENANCE MANUAL



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## LAUNCHER AND CARTRIDGE,
## 84 MILLIMETER: M136 (AT4)

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**HEADQUARTERS, DEPARTMENT OF THE ARMY** **MAY 1990**
**This manual supersedes TM 9-1315-888-12, 30 September 1988**

**WARNING**

**HEALTH HAZARD FIRING RESTRICTIONS FOR TRAINING ONLY PER REPORT OF U.S. ARMY ENVIRONMENTAL HYGIENE AGENCY. EXCEEDING THESE LIMITS CAN POSE THE RISK OF INJURY TO THE OPERATOR.**

**THE NUMBER OF ROUNDS FIRED PER 24-HOUR PERIOD, PER INDIVIDUAL, IS LIMITED AS FOLLOWS:**

- **ZERO ROUNDS FROM THE FOXHOLE OR PRONE POSITION.**
- **ONE ROUND FROM THE SITTING POSITION.**
- **THREE ROUNDS FROM THE STANDING OR KNEELING POSITION.**

**THE AT4 WILL NOT BE FIRED FROM AN ENCLOSURE IN TRAINING EXERCISES.**

**TM 9-1315-886-12**
**C4**

CHANGE )
)
NO. 4 )

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, 14 March 2001

**OPERATORÕS AND UNIT MAINTENANCE MANUAL**
**for**
**LAUNCHER AND CARTRIDGE, 84 MILLIMETER: M136 (AT4)**



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**TECHNICAL MANUAL**
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**for**
**LAUNCHER AND CARTRIDGE,**
**84 MILLIMETER M136 (AT4)**

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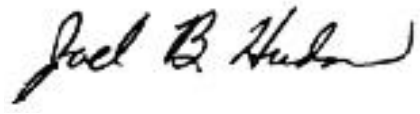

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**TECHNICAL MANUAL**
**OPERATOR'S AND UNIT MAINTENANCE MANUAL**
**for**
**LAUNCHER AND CARTRIDGE,**
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**TECHNICAL MANUAL**
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**WARNING**

- **DO NOT FIRE FROM AN ENCLOSURE OR IN FRONT OF A BARRIER.**

- **DO NOT FIRE WEAPON UNLESS DANGER ZONES ARE CLEAR OF PERSONNEL AND OBSTRUCTIONS.**

- **a DANGEROUS NOISE LEVELS EXIST WITHIN 40 METERS (130 ft) OF A FIRED WEAPON. EAR PROTECTION MUST BE WORN TO PREVENT PERMANENT EAR DAMAGE. ONLY E-A-R POLYMER FOAM PLUGS ARE AUTHORIZED.**

- **KEEP BACKBLAST AREA CLEAR OF PERSONNEL.**

- **USING DAMAGED WEAPONS MAY CAUSE INJURY OR DEATH. INSPECT WEAPONS FOR DAMAGE. IF DAMAGED: DO NOT USE.**

- **DUDS SHOULD BE TREATED AS HAZARDOUS AMMUNITION.**

- **WEAPON SHALL ONLY BE FIRED WITH HELMET ON, COLLAR TURNED UP, AND SLEEVES TURNED DOWN, TO PREVENT BURNS FROM THERMAL RADIANT ENERGY.**

- **IF WEAPON FAILS TO FIRE, MISFIRE PROCEDURES MUST BE FOLLOWED. U**

**AR 5142**

## DUD WARNING

THE AT4 WEAPON HAS AN 84MM SHAPED CHARGE HEAT WARHEAD WITH A PIEZOELECTRIC IMPACT FUZE SENSITIVE TO IMPACT ANGLES AS LOW AS 10 DEGREES. HOWEVER, IN CASES OF LOW ANGLE TARGET MISSES IN WHICH THE ROUND SKIMS ALONG THE GROUND WITHOUT STRIKING ANY OTHER OBJECTS. DUOS CAN BE EXPECTED TO OCCUR. THESE DUDS SHOULD BE TREATED AS HAZARDOUS AMMUNITION. NOTIFY QUALITY ASSURANCE SPECIALIST (AMMUNITION SURVEILLANCE) (QASAS) AND ORDNANCE DISPOSAL (EOD).

## HEARING DAMAGE DANGER ZONE

DANGEROUS NOISE LEVELS EXIST WITHIN 40 METERS (130 FT) OF A FIRED WEAPON. THE SURGEON GENERAL HAS DETERMINED THAT EAR PLUGS WILL BE USED. ONLY E-A-R POLYMER FOAM PLUGS ARE AUTHORIZED.

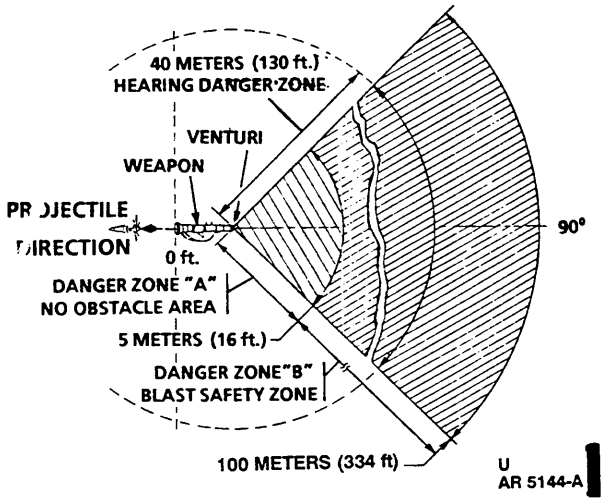
U
AR 5143

## BACKBLAST DANGER ZONES

**WARNING**

**KEEP BACKBLAST AREA CLEAR.**

**DO NOT FIRE FROM AN ENCLOSURE OR IN FRONT OF A BARRIER.**



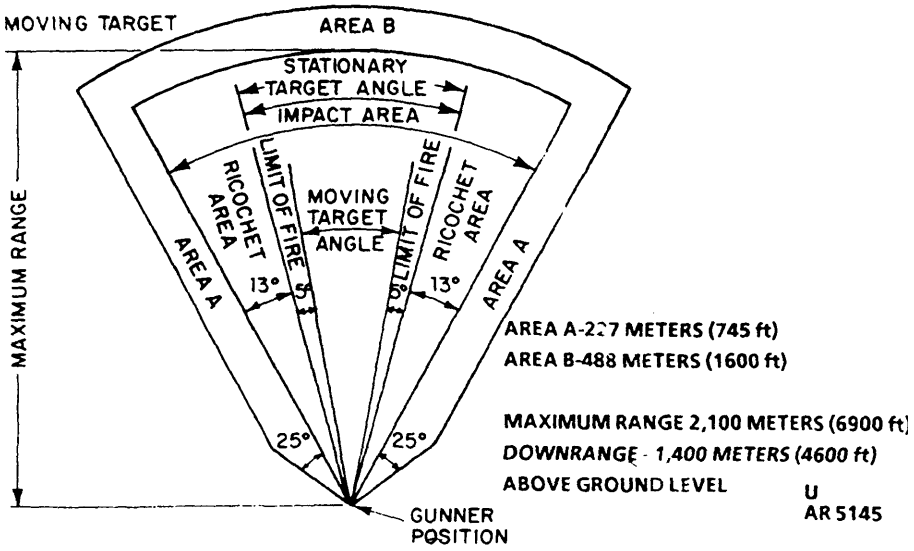

**DANGER ZONE "A'**

**DANGER FROM BACKBLAST, HEAT AND FLYING DEBRIS. OBSTACLES SUCH AS BARRIERS, BIG TREES, OR OTHER VERTICAL OBJECTS, MUST NOT BE IN THIS ZONE BECAUSE OF RICOCHETS.**

**DANGER ZONE "B"**

**DANGER FROM BACKBLAST, FLYING DEBRIS, AND NOISE.**

## WEAPON DOWN RANGE DANGER ZONE

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## THE AT4 WEAPON SYSTEM

### TACTICAL WEAPON M136 (AT4)

Tactical Weapon M136 (AT4) is a short range, man-portable, shoulder-fired weapon, consisting of a fiberglass reinforced launch tube fitted with a firing mechanism, pop-up sights, protective covers, carrying sling, three safety devices, shoulder stop and bumpers. The weapon is a recoiless rifle design.

The Cartridge: 84MM is packaged and sealed in its disposable launcher and is issued as a round of ammunition. The projectile is a free-flight, fin stabilized shell with shaped charge high explosive anti-tank (HEAT) warhead.

**U**
**AR5146-A**

**PRACTICE LAUNCHER M287 (AT4)**

Practice Launcher M287 (AT4) is identical in handling and appearance to the tactical weapon M136 (AT4). Consisting of a tactical launcher tube fitted with a 9MM submachine gun barrel and a 9MM bolt assembly, it fires a cartridge, 9MM: practice, M939 which is a tracer projectile in a down-loaded (reduced propellant), 9MM cartridge case. The trajectory and time-of-flight of the practke cartridge are essentially identical to that of the tactical cartridge.

**FIELD HANDLING TRAINER FSC6920 (AT4)**

Field Handling Trainer FSC6920 (AT4) is fabricated from the expended Ml 36 (AT4) launcher tube fitted with a counterweight and is completely inert.

**U**
**AR 5147**

TECHNICAL MANUAL
No. 9-1315-886-12

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, 15 May 1990

# OPERATORÕS AND UNIT MAINTENANCE MANUAL for LAUNCHER AND CARTRIDGE, 84 MILLIMETER: M136 (AT4) (APN 13229861)

**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 or DA Form 2028 (Recommended Changes to Publications and Blank Forms), direct to Commander, U.S. Army TACOM, Armament Research, Development and Engineering Center, ATTN: AMSTA-AR-WEL-S, Picatinny Arsenal, NJ 07806-5000. You may also send in your recommended changes via electronic mail or by fax. E-mail address is LSB@pica.army.mil. Fax number is DSN 880-4633 or Commercial (973) 724-4633. A reply will be furnished to you.

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**U**

**AR 5150**

**U**
**AR 5151**

# CHAPTER 1

# INTRODUCTION

## Section I. GENERAL

### 1-1. SCOPE

This manual contains instructions for operation of the Launcher and Cartridge, 84 Millimeter: M136 (AT4) (HEAT) and will be called AT4 in this manual.

### 1-2. FORMS, RECORDS, AND REPORTS

Authorized Forms: See DA PAM 738-750 if you're not sure how to fill out forms. For classified records and reports, see AR 380-5, AR 360-6, AR 38040, and AR 380-40.1.

Accidents: See AR 385-40 for accident reporting procedures. AR 38540 covers both accidents involving injury to personnel and damage to equipment or property. Use DA Form 285 (Accident Report) and DA Form 1051 (Record of Injury).

**U**
**AR 5152**

*Malfunctions*: See AR 75-1 for malfunction reporting procedures. Use DA Form 4379 (Preliminary Ammunition Malfunction Feeder Report) (RCS AMC-132 MIN) for conventional ammunition.

*Fire Reports*: Refer to AR 385-12 for fire reports. DA Form 5-2 (Fire Report) must be used to report any fire in a noncombat zone.

**NOTE**

**Use of DA Form 5-2 does not mean that you don't have to submit an accident report required by AR 38540.**

Maintenance Forms and Records: Maintenance forms and records that are required are explained in DA PAM 738-750.

Reporting of EIRs: If your AT4 weapon needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you do not like about your equipment. Let us know why you do not like the design. Tell us why a procedure is hard to perform. Put it on SF 368 (Quality Deficiency Report). Mail it to us at Commander, US Army AMCCOM, ATTN: AMSMC-QAD, Rock Island, IL 61299-6000.

**U**
**AR 5153**

## 1-3. DESTRUCTION OF MATERIEL TO PREVENT ENEMY USE

### General

Weapon must be so badly damaged that it cannot be made useable in the combat zone, either by repair or cannibalization.

Destroyed by either of the following methods:

*Burning* - Requires diesel fuel, oil and other flammable materials.

*Demolition* - Requires demolition charges.

**NOTE**

**The easiest, quickest way to dispose of a small quantity of AT4's is to fire them.**

**U**
**AR 5154**

**WARNING**

- **OBSERVE APPROPRIATE SAFETY PRECAUTIONS WHEN HANDLING FLAMMABLE DIESEL FUEL AND DEMOLITION CHARGES. CARELESSNESS MAY RESULT IN DANGEROUS BURNS OR DEATH.**

- **WARHEAD IS UNPREDICTABLE, CARTRIDGE MAY FIRE IN ANY DIRECTION.**

- **TAKE COVER IMMEDIATELY. TIME REQUIRED FOR FIRE TO EXPLODE WARHEAD IS UNPREDICTABLE. IGNITED PROPELLANT IN WEAPON MAY FIRE CARTRIDGE IN ANY DIRECTION.**

**U**
**AR 5155**

**Destruction by burning.**

a. Dig a pit or trench deep enough so there will be 2 feet of space between the AT4's and ground surface.

b. Place combustible material such as wood, paper, and rags in the pit.

c. Place the AT4's in the pit so the weapons are pointed into the pit's side and away from troops.

d. Pour diesel fuel or oil over the AT4's and combustible material.

e. Ignite with an incendiary grenade, combustible train of suitable length, or other appropriate means.

**WARNING**

**DO NOT TRY TO DESTROY AN AT4 BY SMASHING IT OR DRIVING OVER IT WITH A VEHICLE. THE WARHEAD OR PROPELLANT MAY EXPLODE CAUSING DAMAGE OR INJURY.**

**U**
**AR 5156**

Destruction by demolition.

**NOTE**

**This method requires that you know how to use demolition materials as outlined in FM 5-25.**

a. Prepare a 1/4-pound demolition charge with necessary time fuze to make up charge.

b. Tape or tie charge to launcher near the rear of the launcher just forward of the venturi.

c. Provide for dual priming to minimize possibility of misfire.

d. Take cover and detonate charge.

**U**
**AR 5157**

## Section II. WEAPON DESCRIPTION AND DATA

### 1-4. DESCRIPTION OF AT4

The AT4 is a fully self-contained, light-weight, man-portable, right shoulder fired anti-armor weapon. The weapon consists of a free-flight, fin-stabilized projectile, which is packaged and sealed in an expendable launcher that also serves as a transport and water-tight storage container.

The AT4 is issued as a round of ammunition.

The barrel, which is provided, with a venturi to the rear, houses the cartridge case assembly and a fin-stabilized HEAT shell incorporating a shaped charge warhead.

Firing is mechanical. The rearward-moving firing rod strikes a pin and ignites the percussion cap.

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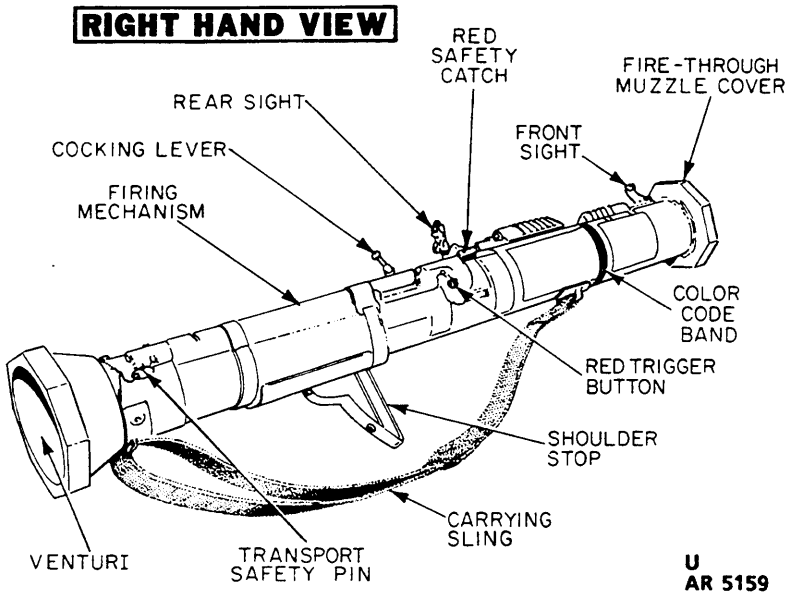
**AR 5158**


RIGHT HAND VIEW
RED SAFETY CATCH
FIRE-THROUGH MUZZLE COVER
REAR SIGHT
FRONT SIGHT
COCKING LEVER
FIRING MECHANISM
COLOR CODE BAND
RED TRIGGER BUTTON
SHOULDER STOP
CARRYING SLING
VENTURI
TRANSPORT SAFETY PIN
U
AR 5159

## 1-5. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS

**NOTE**

**For location of components see illustration page 1-8.**

Carrying Sling. Shoulder sling for carrying the weapon.

Shoulder Stop. A folding metal and plastic bracket designed to rest on the gunner's shoulder to support the AT4 while aiming and firing. When not in use, it is snapped to the under side of the launcher.

Fire Control Mechanism. Fire control mechanism consists of a firing rod with firing rod spring, three safety devices (transport safety pin, cocking lever, and red safety catch) and red trigger button. The weapon cannot be fired unless all three safeties have been disengaged.

a. Transport Safety Pin. It blocks the movement of the firing rod and prevents it from striking the percussion cap. To disengage: pull out.

**U**
**AR 5160 19**

b. *Cocking Lever*. Cocking lever is attached to the firing rod. When the lever is in the SAFE position, there is no engagement between the firing rod and the trigger. To cock: Push lever forward and down. When the weapon is cocked, the firing rod is engaged with the trigger through the hooks on the front part of firing rod and trigger.

c. *Red Safety Catch.* Red safety catch is located in forward end of firing mechanism. The red safety catch consists of a steel rod that prevents the firing rod from striking the firing pin. To disengage: press handle with fingertips of right hand.

d. *Red Trigger Button.* Red trigger button is a button located on the right side of the tube. To fire, apply pressure straight forward with right thumb in a steady, smooth movement.

*Front Sight.* Used in conjunction with the Rear Sight assembly for target engagement. The front sight consists of a sight blade, center post, and two lead posts. It is provided with a semicircular white line to aid in obtaining the proper sight picture.

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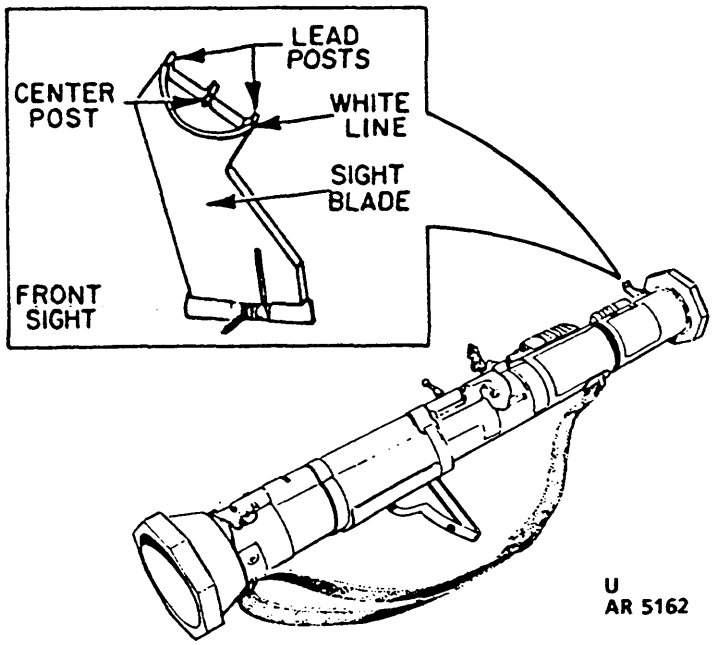
**AR 5161**


LEAD
POSTS
CENTER
POST
WHITE
LINE
SIGHT
BLADE
FRONT
SIGHT
U
AR 5162

*Rear Sight*. The two-millimeter peephole is drilled in a leaf that covers the 7mm peephole. To uncover the 7mm peephole, lift cover leaf and push it to either side.

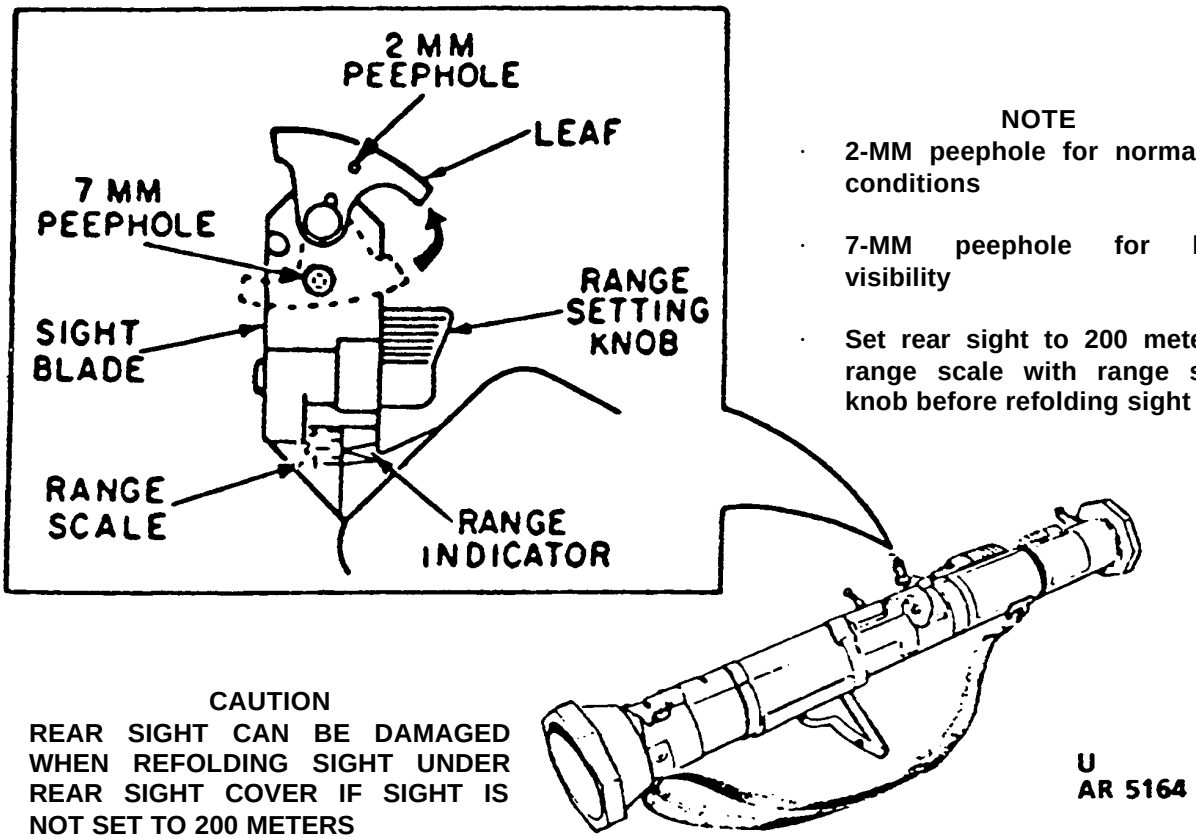
The range scale is indexed with ranges from 100 to 500 meters in 50-meter increments. When the rear sight pops up, it is set on 200 meters, which is the battle sight-setting. On battle sight setting, the range setting knob is in a vertical position.

To increase range setting, turn the range setting knob (clockwise) away from yourself (forward). To decrease range setting, turn the range setting knob (counterclockwise) towards yourself (rear). The gunner will notice a "click" with every 50-meter change in range setting. This aids the gunner during limited visibility operations.

**NOTE**

**When firing the AT4, the range should be set to the nearest 50-meters and not be automatically left on the 200-meter battle sight setting to avoid missing the target and possible duds.**

**U**
**AR S163**




**NOTE**

- **2-MM peephole for normal light conditions**
- **7-MM peephole for limited visibility**
- **Set rear sight to 200 meters on range scale with range setting knob before refolding sight**

**CAUTION**

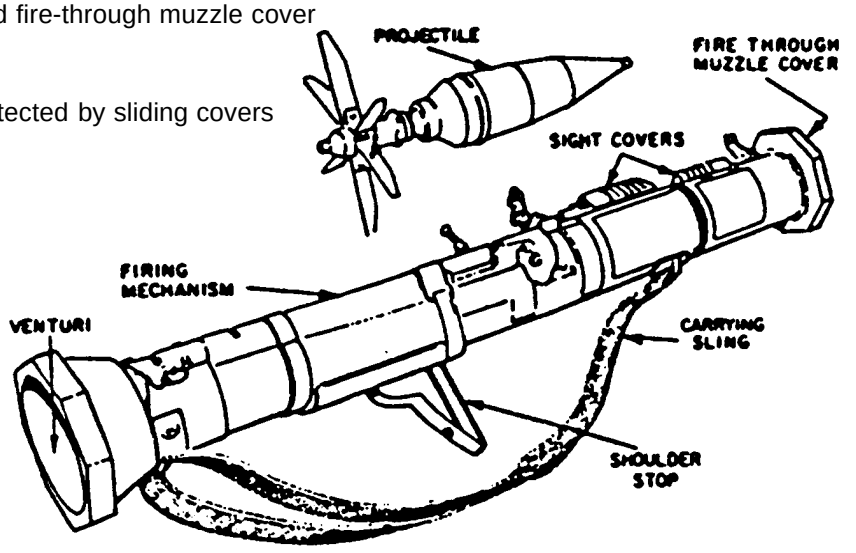
**REAR SIGHT CAN BE DAMAGED WHEN REFOLDING SIGHT UNDER REAR SIGHT COVER IF SIGHT IS NOT SET TO 200 METERS**

**U**
**AR 5164**

*Tactical Launcher*. A one-shot throwaway tube that houses the HEAT projectile. The launcher consists of:

- Barrel with venturi and fire-through muzzle cover
- Firing mechanism
- Mechanical sights protected by sliding covers
- Shoulder stop
- Carrying sling
- Projectile

**NOTE**
**After firing cartridge, case remains in launcher tube.**

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AR 5165

## 1-6. DATA

| | |
|---|---|
| Weight | 6. kg (15 lbs) |
| Caliber | 84mm |
| Length | 1020mm (40 in) |
| Muzzle velocity (70F) | 290 m/s (950 ft/s) |
| Maximum effective range | 300m (985 ft) |
| Minimum arming range | 10m (33 ft) |
| Operating temperature range | -40°C to 60°C (-40°F to 140°F) |
| Front sight type | 3-prong post |
| Rear sight type | Adjustable (with 2 and 7mm peephole) |
| Color code | Black band, identifies HEAT warhead' |

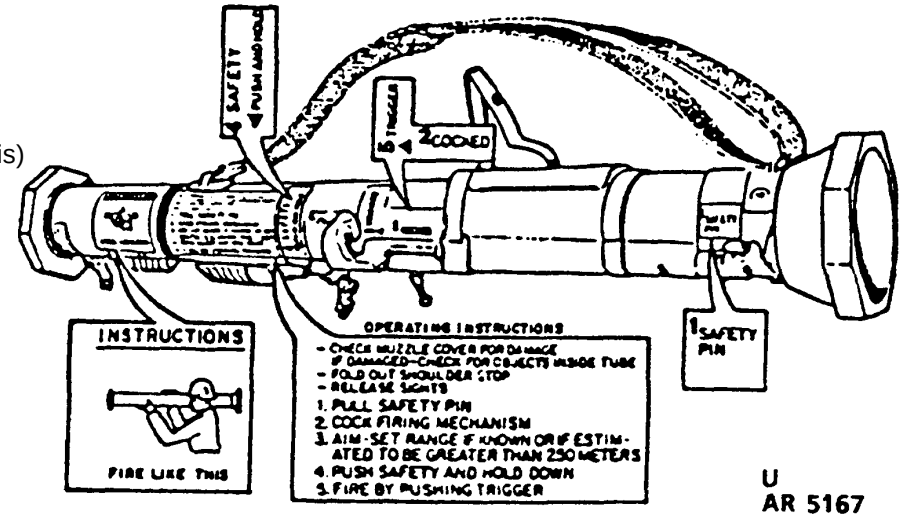
*Early production. After approximately Sept 1988, the black band will have a narrow yellow band in the center.

U
AR 5166

## 1-7. INSTRUCTION AND SAFETY MARKINGS

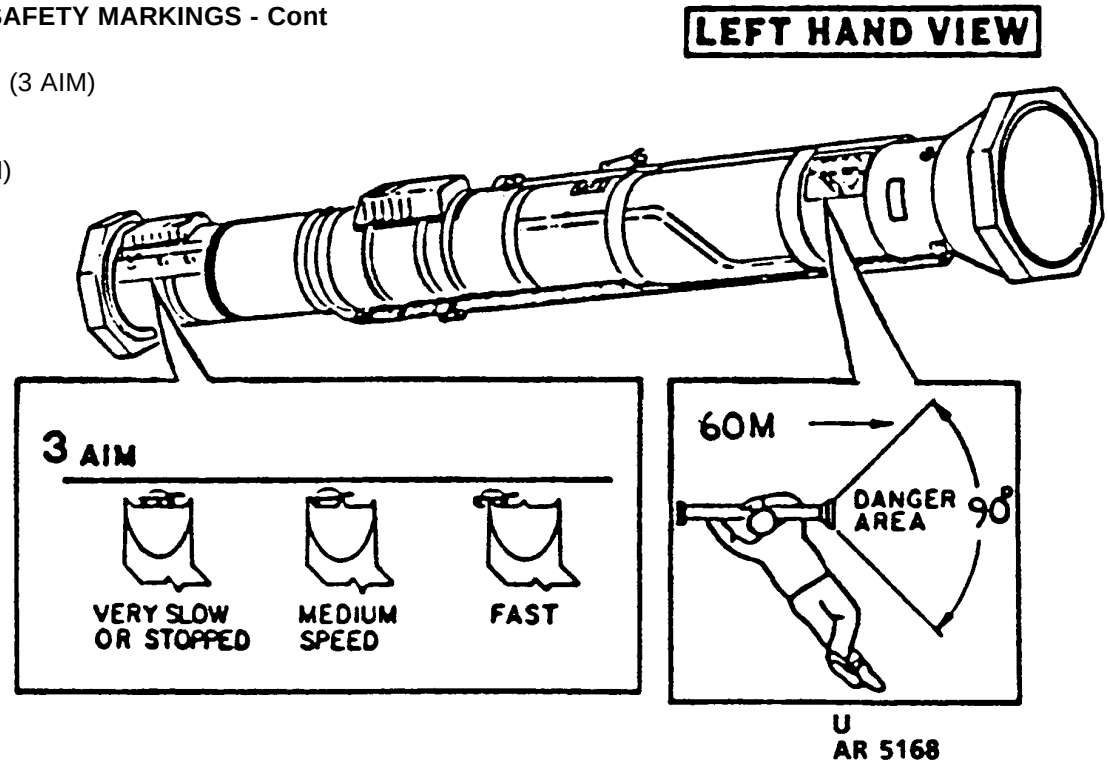
Firing instructions and safety labels are described as follows:

- Operation Instructions
- Instructions (Fire Like This)
- Safety (Push and Hold)
- Trigger- Cocked
- Safety Pin



**INSTRUCTION AND SAFETY MARKINGS - Cont**

- Aiming Instructions (3 AIM)
- Safe
- Danger Area (60 M)

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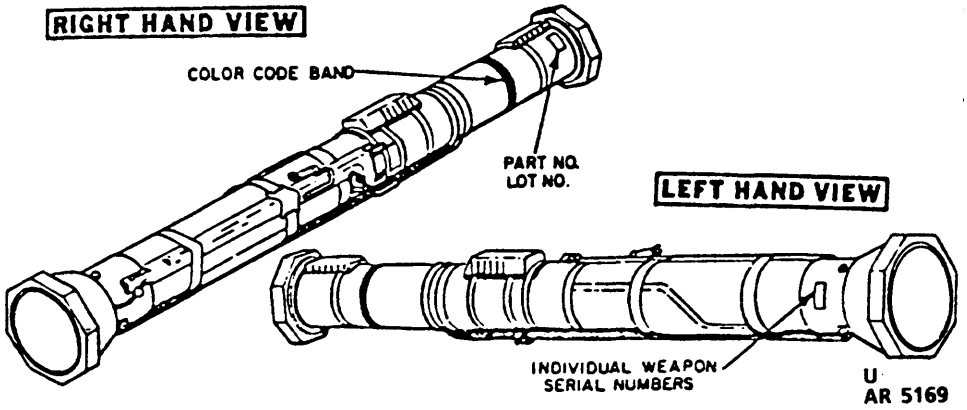
AR 5168

## 1-8. IDENTIFICATION MARKINGS

- Serial Number Label.
- Color Code Band (yellow on black band).
- Part Number/Lot Number Label.

The following illustrations show the identification labels as they appear on the weapon.



## CHAPTER 2

## OPERATOR INSTRUCTIONS

| Section I. OPERATOR'S CONTROLS AND INDICATORS | |
|---|---|
| **CONTROL OR INDICATOR** | **FUNCTION** |
| Carrying Sling | Provides a means for carrying weapon. |
| Shoulder Stop | Provides support for operator when firing. |
| Rear Sight | Provides adjustment for range and visibility |
| Front Sight | Provides left, right, and center posts for determining lead. |
| | conditions. |
| Red Trigger Button | Fires the weapon. |
| Red Safety Catch | Provides final safety. |
| Transport Safety Pin | Provides first safety for transportation. |
| Color Code Band | Identifies type of warhead. |

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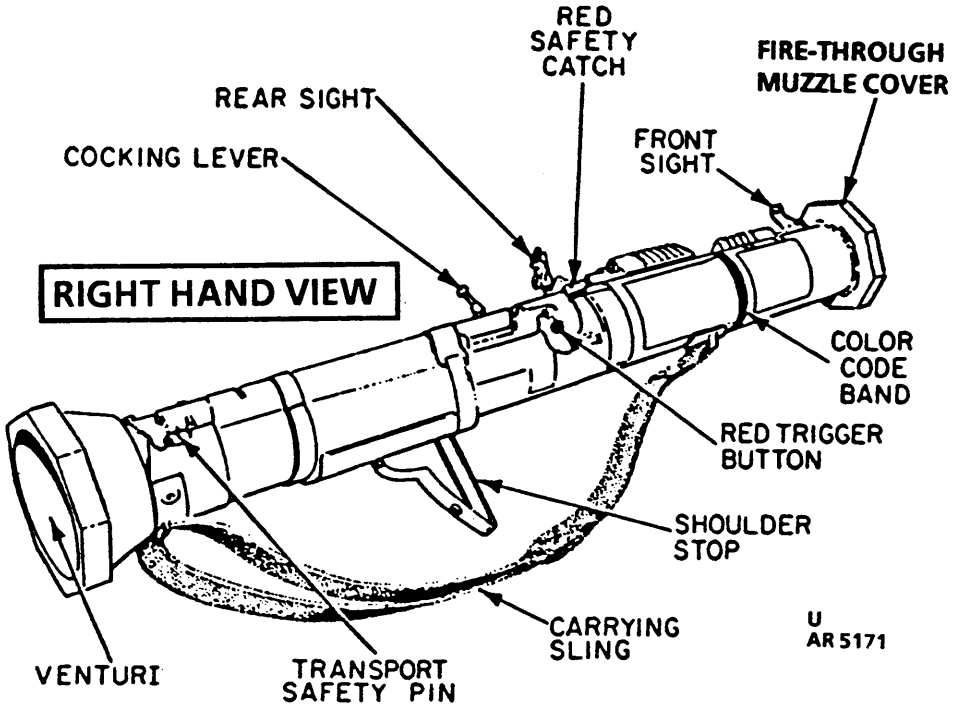
**NOTE: See page 2-1 for illustration of controls and indicators. AR 5170**


RED
SAFETY
CATCH
FIRE-THROUGH
MUZZLE COVER
REAR SIGHT
FRONT
SIGHT
COCKING LEVER
RIGHT HAND VIEW
COLOR
CODE
BAND
RED TRIGGER
BUTTON
SHOULDER
STOP
CARRYING
SLING
U
AR 5171
VENTURI
TRANSPORT
SAFETY PIN

## Section II. OPERATING UNDER USUAL CONDITIONS

### 2-1. OPERATOR PREVENTIVE MAINTENANCE CHECKS AND SERVICES

B - Before
D - During
A-* After (note 1.)
W - Weekly (note 2.)
M - Monthly (note 1.)

| Item No. | Interval | | | | | Item to be Inspected (note 3.) | Procedures: Check for and have repaired or adjusted as necessary | Equipment is not Ready/ Available if | Action to be Taken |
|---|---|---|---|---|---|---|---|---|---|
| | B | D | A | W | M | | | | |
| 1 | X | | X | | | Transport Safety Pin | Pin in place in place | Pin broken or missing | Replace pin (See note 4.) |
| 2 | X | | X | | | Cocking Lever | Lever in SAFE position | Lever is broken or missing | Replace weapon |
| 3 | X | | X | X | X | Fire - through Muzzle Cover | Cover intact | Cover ruptured/ torn, foreign objects present | Cut out cover. Inspect, remove foreign objects if present |

U
AR 5172

**2-1. OPERATOR PREVENTIVE MAINTENANCE CHECKS AND SERVICES (Cont)**

| Item No. | Interval | | | | | Item to be Inspected (note 3.) | Procedures: Check for and have repaired or adjusted as necessary | Equipment is not Ready/ Available if | Action to be Taken |
|---|---|---|---|---|---|---|---|---|---|
| | B | D | A | W | M | | | | |
| 4 | X | | | | | Color Code Band | Correct color, yellow on black band | Color is wrong | Replace weapon |
| 5 | X | X | X | X | X | Sights | Function of sights | Sights broken or missing | Replace weapon |
| 6 | X | | X | X | X | Venturi | No foreign objects present | Foreign objects present | Clear objects from the rear of the launcher |
| 7 | X | X | X | X | X | Red Safety Catch | Proper operation operate | Catch will not weapon properly | Replace |

**U**
**AR 5173**

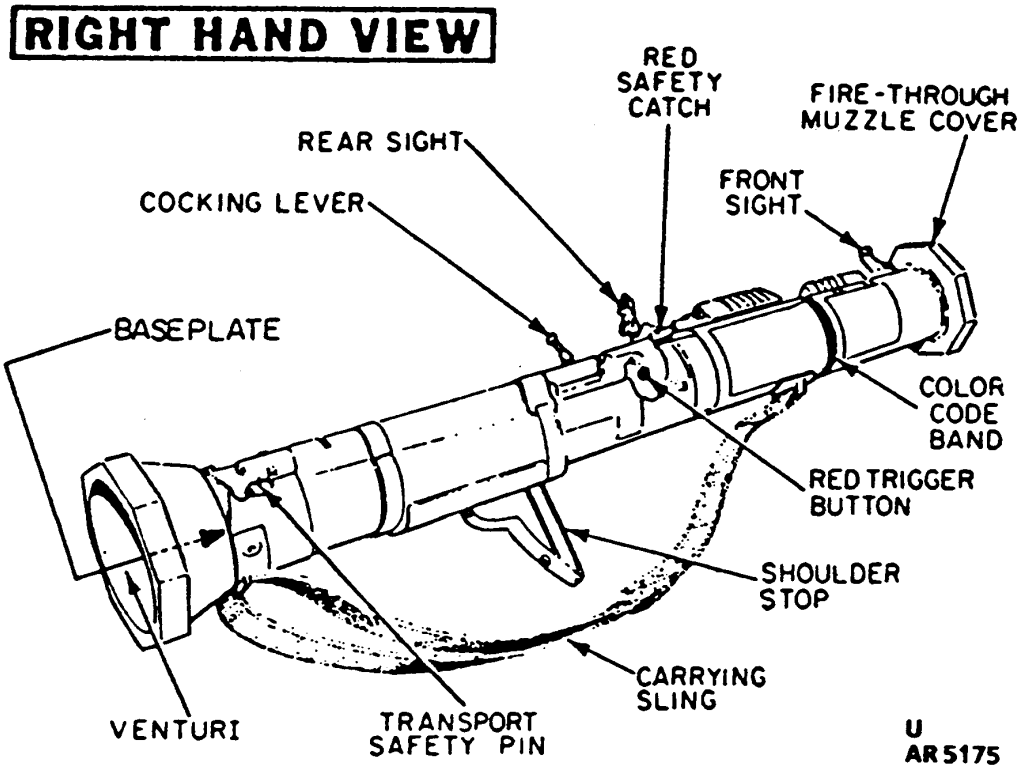
**2-1. OPERATOR PREVENTIVE MAINTENANCE CHECKS AND SERVICES (Cont)**

| Item No. | Interval | | | | | Item to be Inspected (note 3.) | Procedures: Check for and have repaired or adjusted as necessary | Equipment is not Ready/ Available if | Action to be Taken |
|---|---|---|---|---|---|---|---|---|---|
| | B | D | A | W | M | | | | |
| 8 | X | X | X | X | X | Base Plate | Cracks or breaks (See note 5.) | Damaged | Replace weapon |
| 9 | X | X | X | X | X | Complete Weapon | No visible damage | Severe handling damage. White plastic visible | Replace weapon |

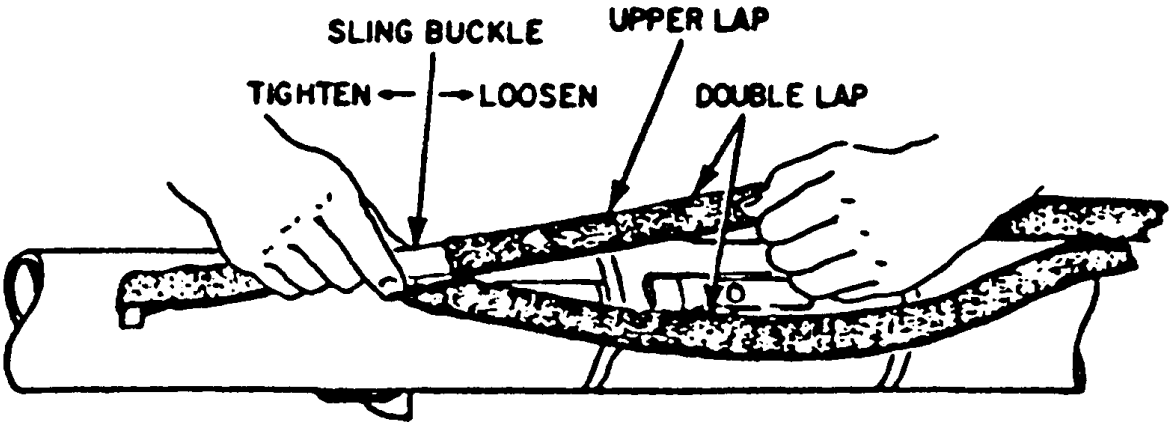
**NOTES:**

1. After-operations checks are performed only if the weapon is prepared for firing and is not fired.
2. Weekly and monthly PMCSs are not performed if the weapon is fired.
3. **See page 2-5 for illustration of items to be checked.**
4. Refer to para 3-3 Replaceable Pans.
5. Base plate can be checked through venturi end of weapon.
6. All school and range instructors should emphasize importance and requirement for each trainee or user to properly conduct the inspection procedures during the preparation to fire checks. **U**

**AR 5174**


RIGHT HAND VIEW
RED SAFETY CATCH
FIRE-THROUGH MUZZLE COVER
REAR SIGHT
FRONT SIGHT
COCKING LEVER
BASEPLATE
COLOR CODE BAND
RED TRIGGER BUTTON
SHOULDER STOP
CARRYING SLING
VENTURI
TRANSPORT SAFETY PIN
U
AR 5175

## 2-2. ADJUSTING CARRYING SLING

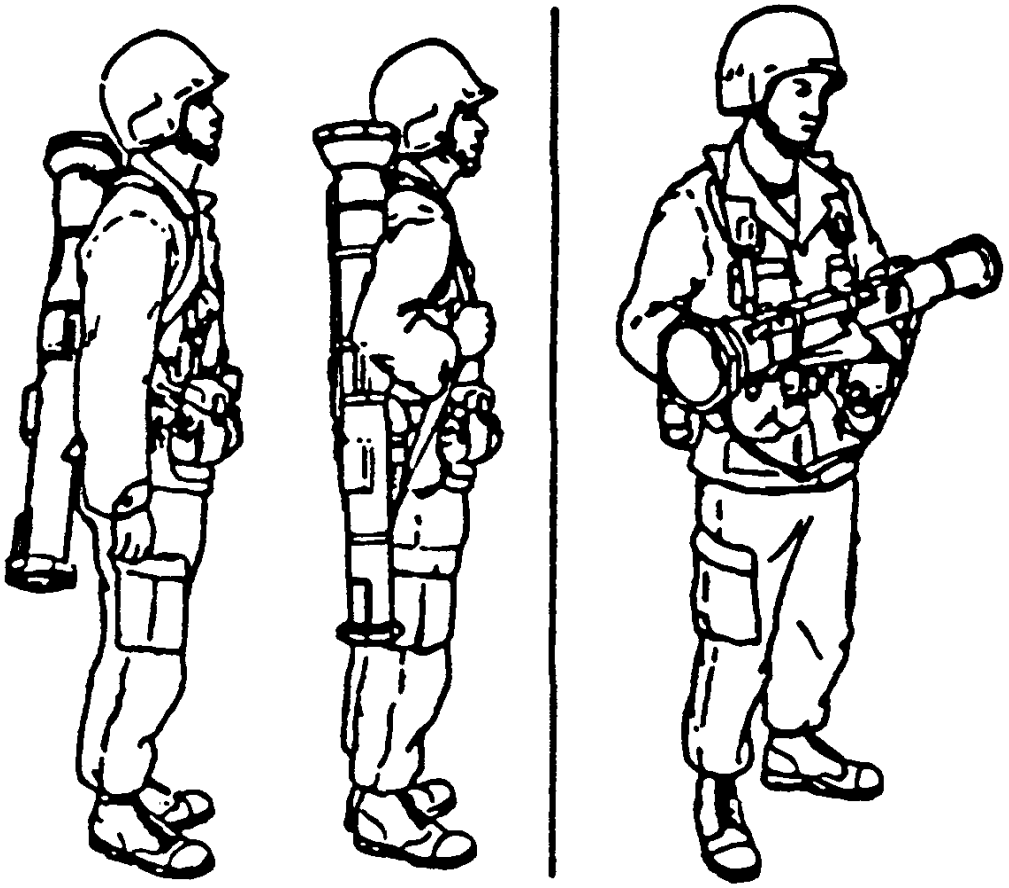



To loosen the sling strap, grasp the upper lap of the double lap portion of the assembly with one hand and slide the sling buckle towards the double lap with the other hand.

To tighten the strap, grasp the upper lap with one hand and slide the buckle away from the double lap with the other hand.

**u**
**AR 5176**

2-3. CARRYING POSITIONS TM 9-1315-886-12



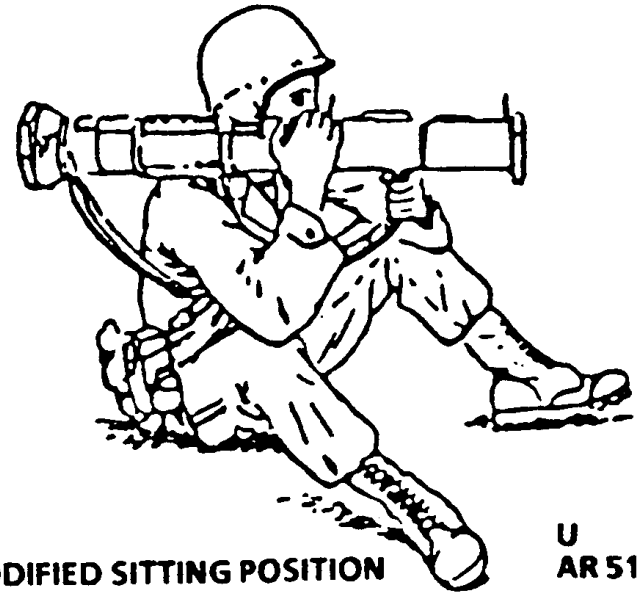
CARRYING POSITIONS (MUZZLE DOWN)

CRADLE POSITION TO PREPARE FOR IMMEDIATE FIRING

U
AR 5177

## 2-4. FIRING POSITIONS

SITTING POSITION

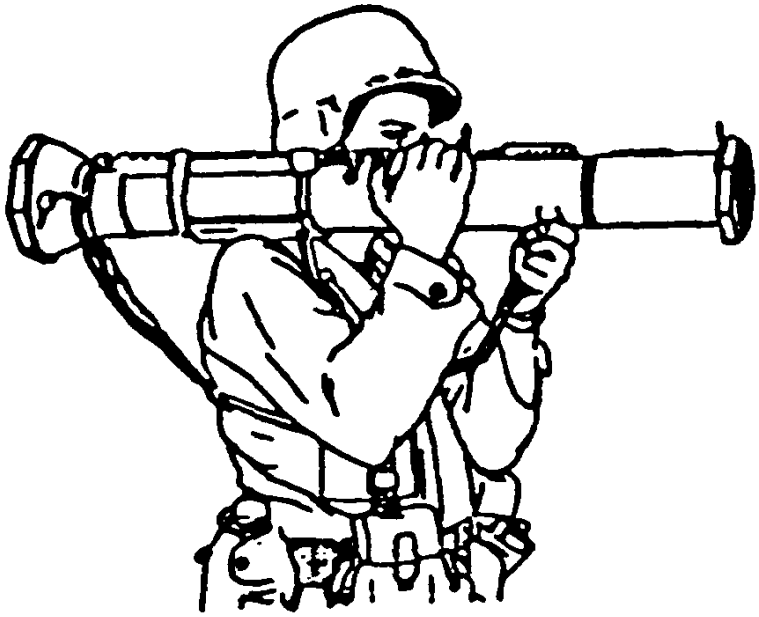


MODIFIED SITTING POSITION

U
AR 5178

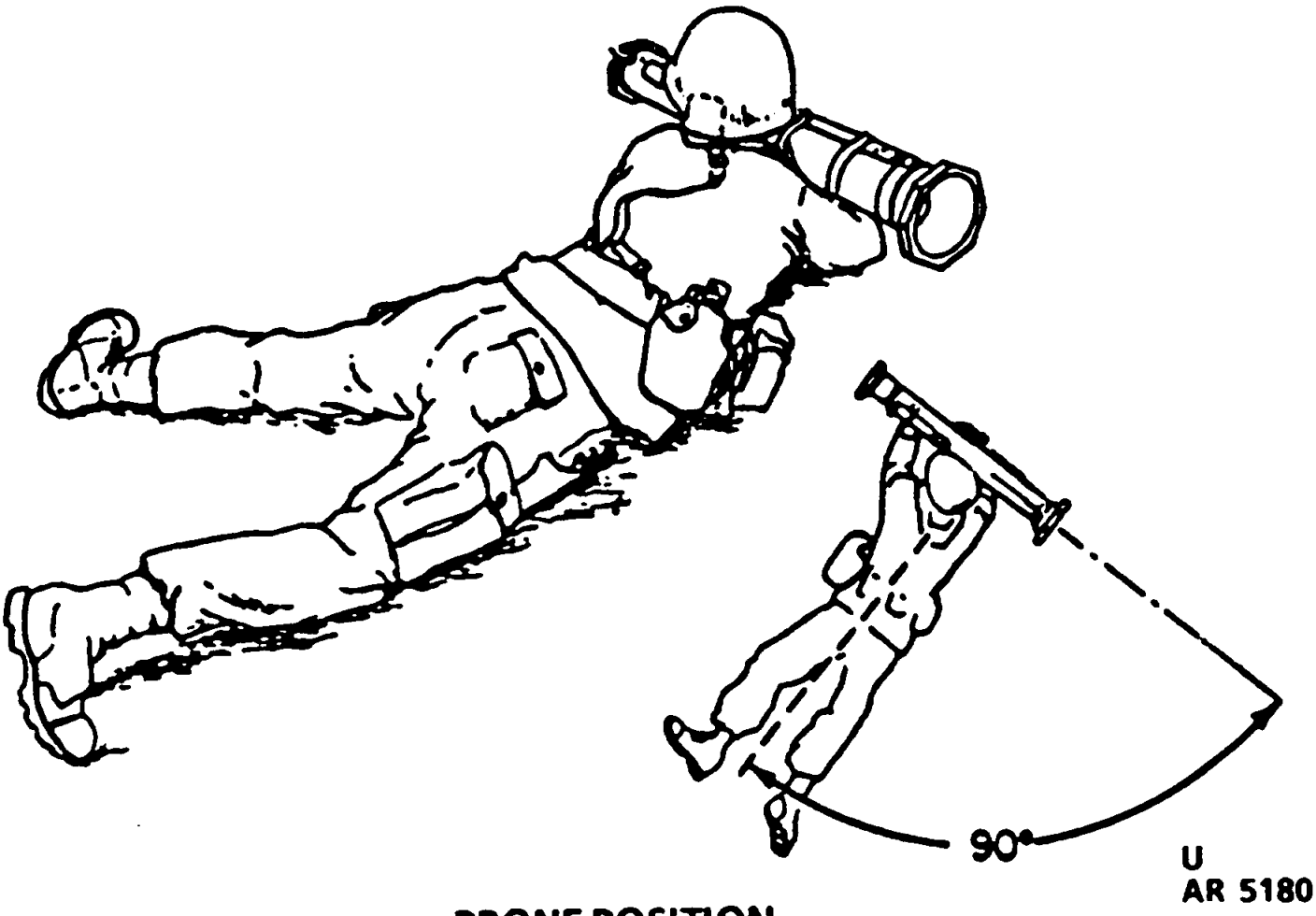
**WARNING**

- **WEAPON SHALL BE FIRED WITH HELMET ON. COLLAR TURNED UP AND SLEEVES DOWN.**
- **THERMAL RADIANT ENERGY GENERATED FROM BACKBLAST WILL BURN BARE SKIN AND SINGE HAIR.**

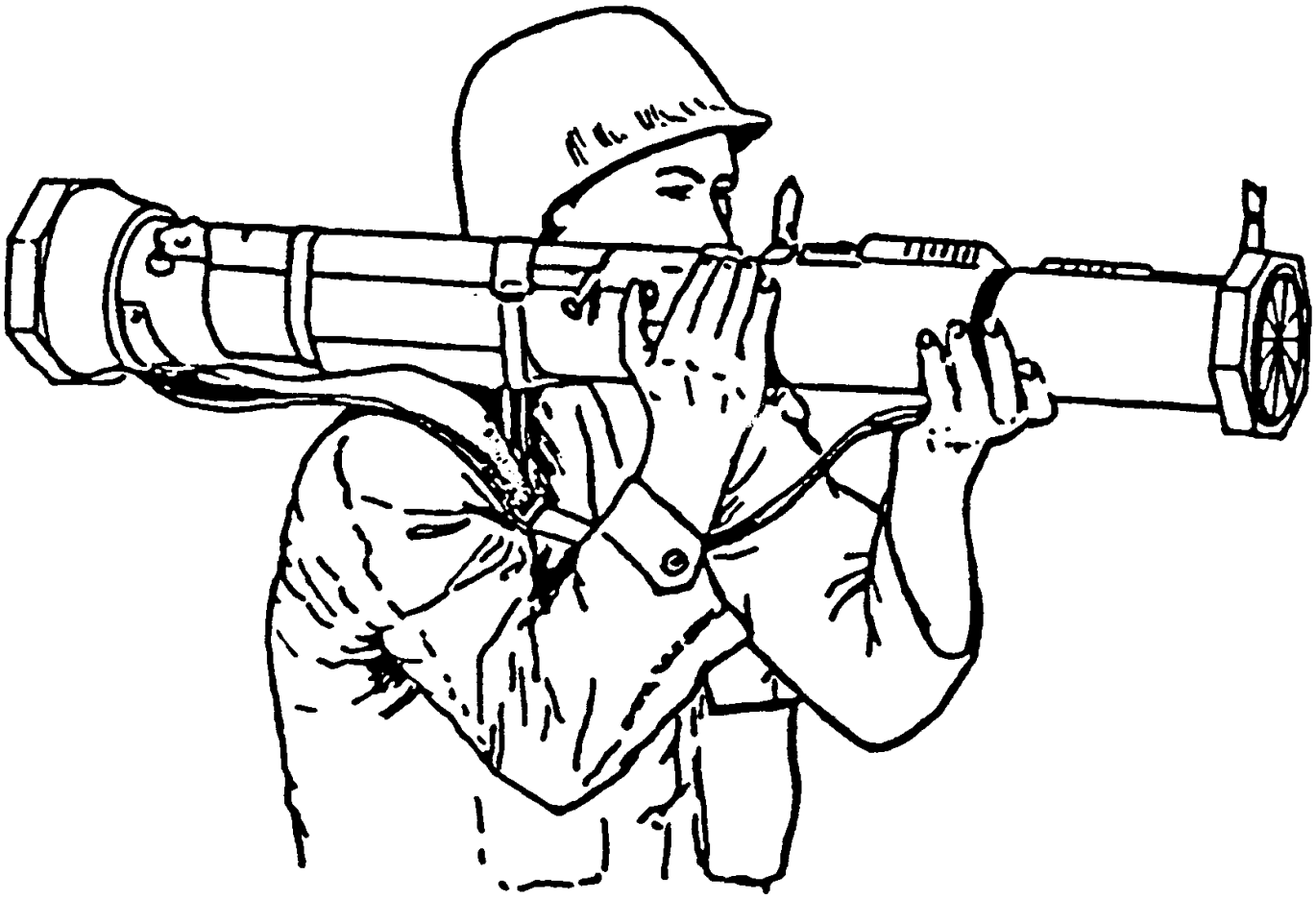


**STANDING POSITION**

U
AR 5179

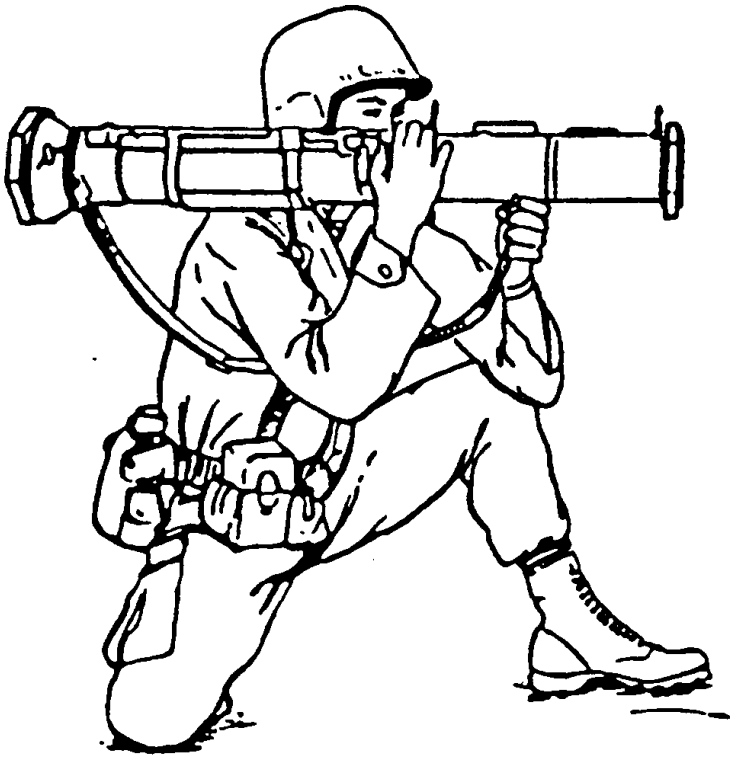



PRONE POSITION

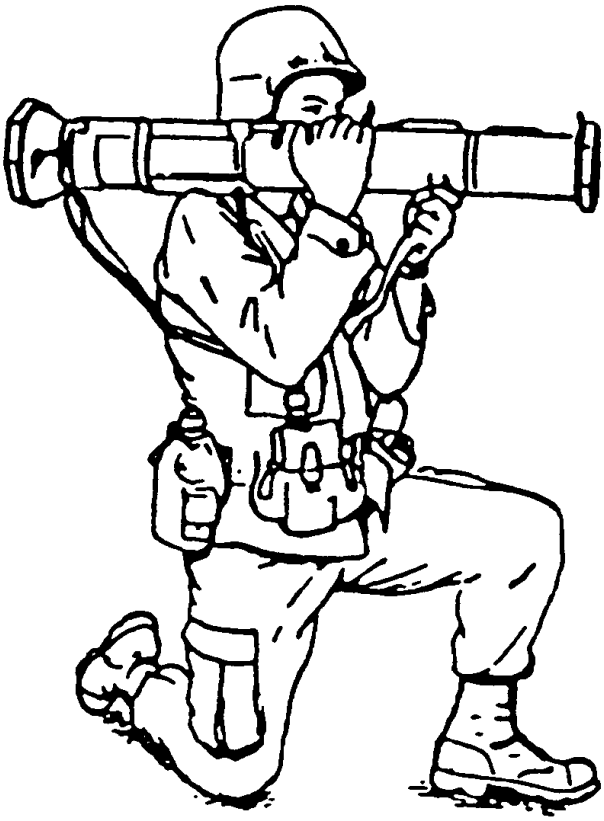


ALTERNATE METHOD OF HOLDING WEAPON USING PALM OF LEFT HAND TO SUPPORT THE LAUNCHER.

U
AR 5181



KNEELING POSITION



MODIFIED KNEELING POSITION

U
AR 5182

## BACKBLAST DANGER ZONES

**WARNING**

**KEEP BACKBLAST AREA CLEAR.**

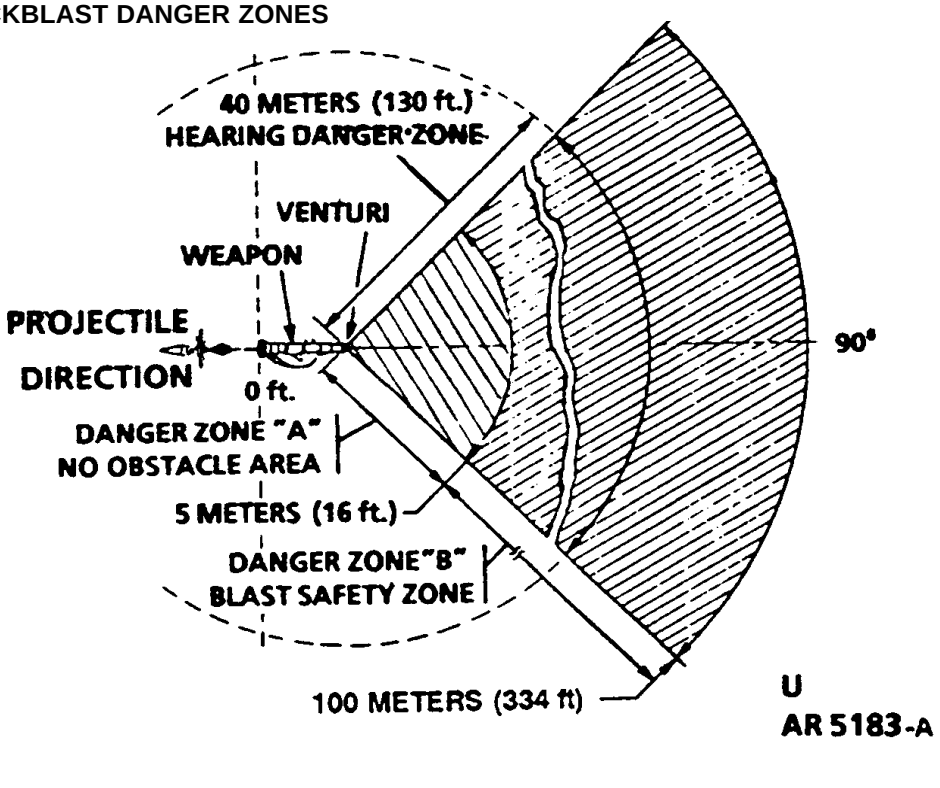
**DO NOT FIRE FROM AN ENCLOSURE OR IN FRONT OF A BARRIER.**

**DANGER ZONE 'A'**

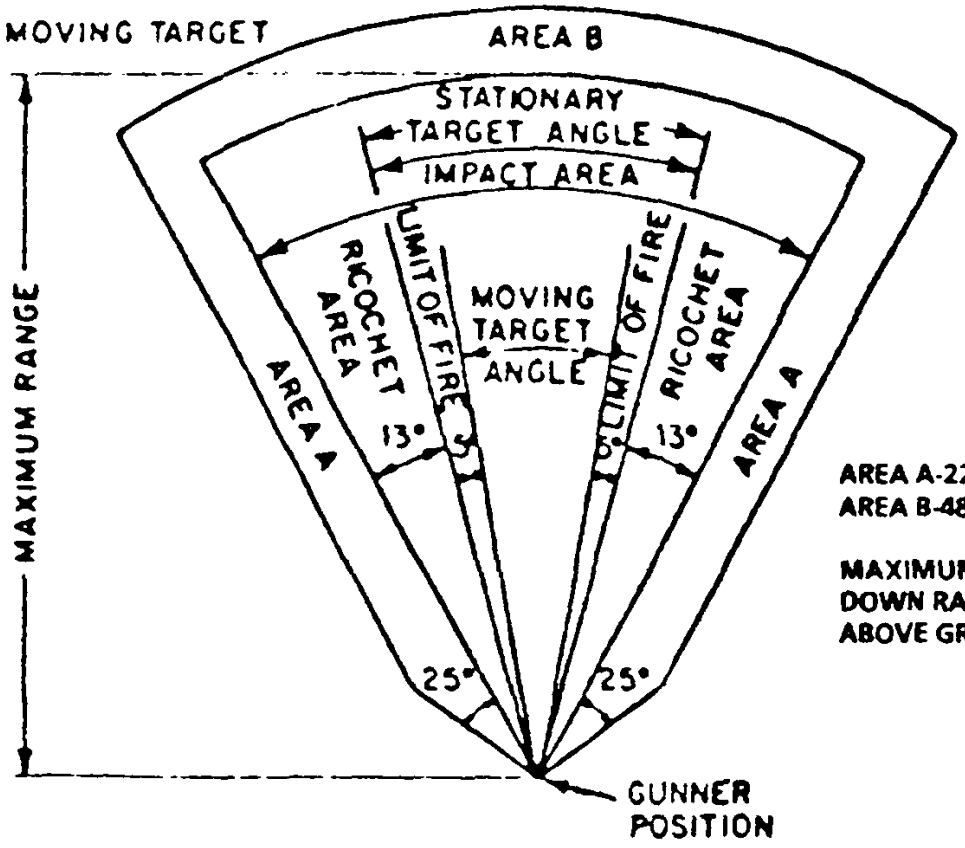
**DANGER FROM BACKSLAST, HEAT AND FLYING DEBRIS. OBSTACLES SUCH AS BARRIERS, BIG TREES. OR OTHER VERTICAL OBJECTS, MUST NOT BE IN THIS ZONE BECAUSE OF RICOCHETS.**

**DANGER ZONE 'B**

**DANGER FROM BACKBLAST, FLYING DEBRIS, AND NOISE.**



**WEAPON DOWN RANGE DANGER ZONE**




AREA A-227 METERS (745 ft)
AREA B-488 METERS (1600 ft)

MAXIMUM RANGE 2,100 METERS (6900 ft)
DOWN RANGE - 1,400 METERS (4600 ft)
ABOVE GROUND LEVEL

☆ U.S.G.P.O. 1992 643-048/70010

U
AR 5184

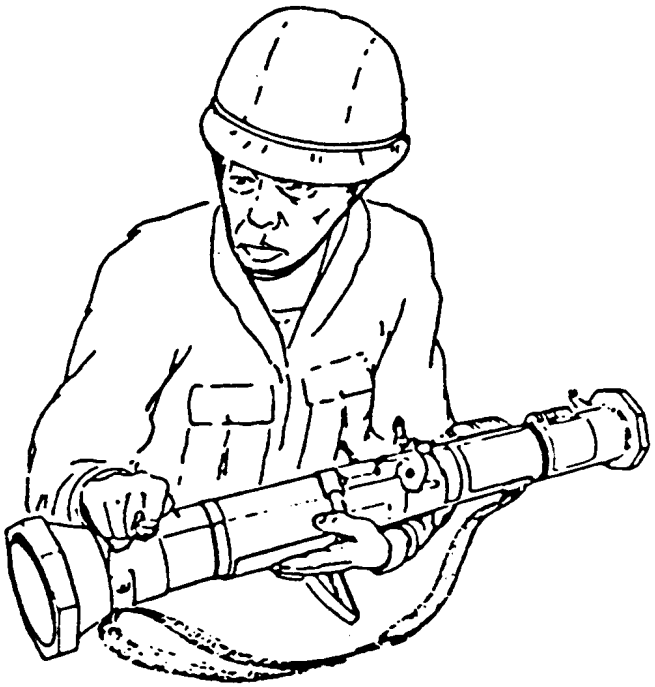
## 2-5. ARMING AND FIRING

1. Remove weapon from the carrying position and cradle in the left arm.

**WARNING**

- **MAKE SURE YOU HAVE EARPLUGS (ITEM 2, APP D) INSERTED.**
- **KEEP WEAPON POINTED DOWN RANGE.**
- **CHECK BACKBLAST AREA TO BE SURE IT IS CLEAR OF OBSTACLES AND PERSONNEL.**

2. Pull transport safety pin with right hand as shown.



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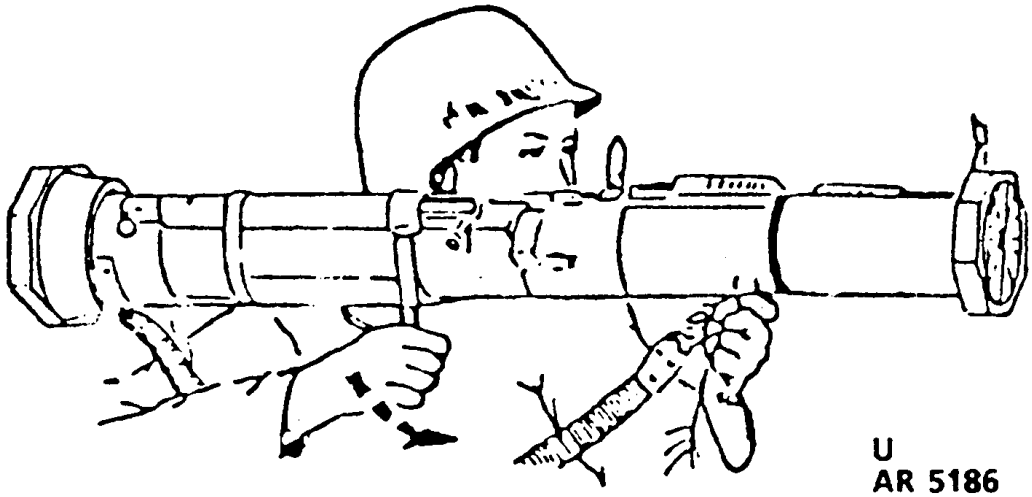
AR 5185

3. Place weapon on right shoulder.

4. Unsnap shoulder stop and unfold.



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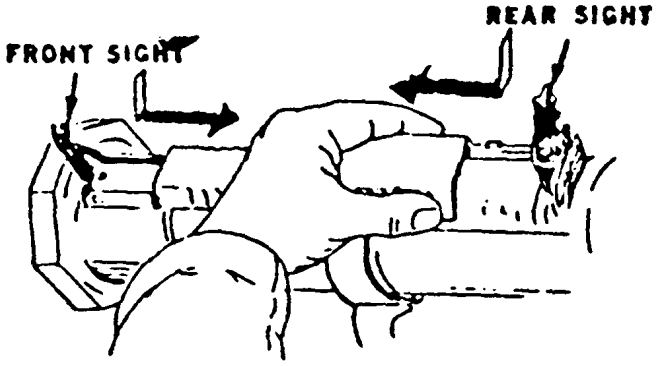
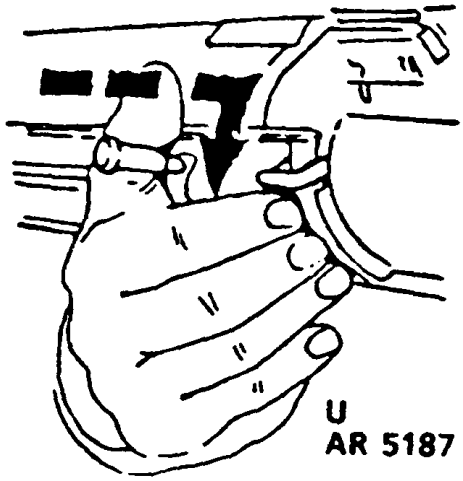
AR 5186




5. Press down and move sight .covers as shown to release sights.




6. Push cocking lever forward and down with inner part of right thumb.

   Ensure cocking lever is erect. Support with other fingers of right hand as shown.

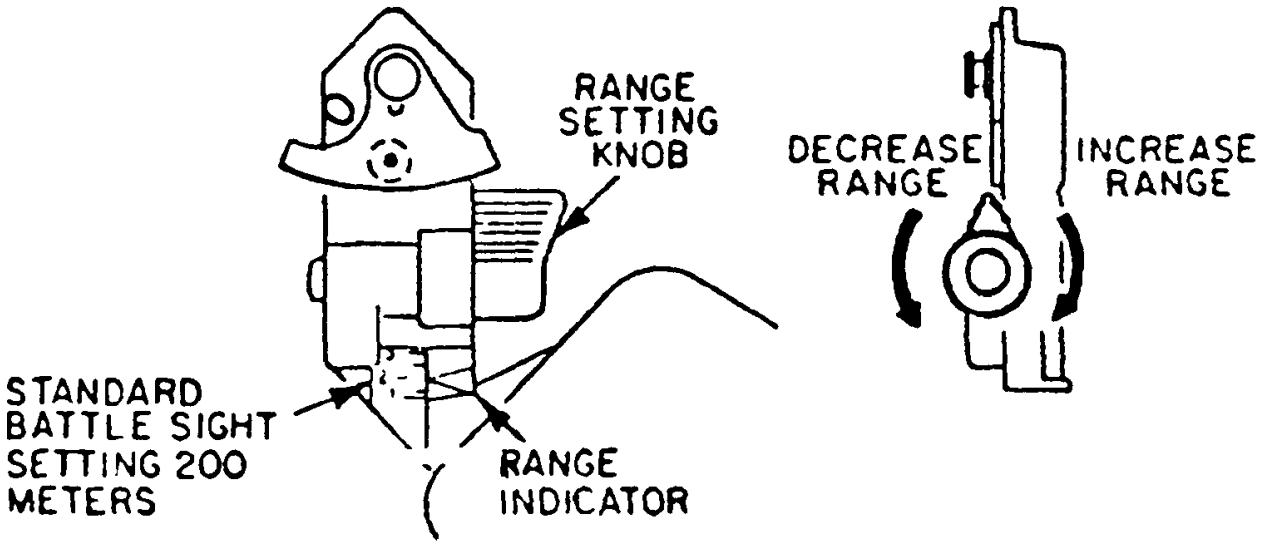
7. Check backblast area.

8. Press shoulder stop against shoulder.

**WARNING**

**KEEP WEAPON POINTED DOWN RANGE.**

9. Adjust rear sight if target range is more than 200 meters. Turn range setting knob forward to desired range setting. The sight is graduated in 50-meter increments. If target is less than 200 meters, turn setting knob backward to desired range.




U
AR 5188

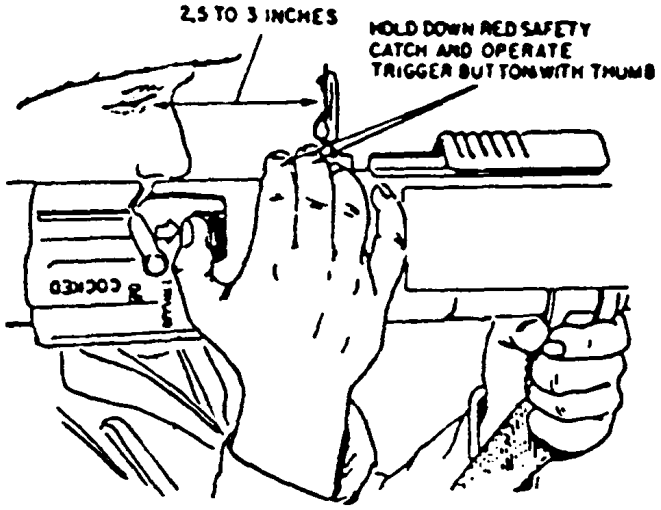
**WARNING**

**DO NOT PUT EYE AGAINST SIGHT WHEN FIRING. RECOIL MAY CAUSE DAMAGE TO THE EYE.**

**NOTE**

**Aim 18 inches below normal aim-point when the temperature is greater than 46°C (115°F) and the range is greater than 200 meters.**

10. Position the right eye 60 to 80mm (2.5 to 3 inches) from the rear sight.
11. Fully depress and hold down red safety catch.




U
AR 5189

**WARNING**

- **FAILURE TO FULLY DEPRESS AND HOLD RED SAFETY CATCH DOWN MAY CAUSE A MISFIRE.**

- **IF THIS OCCURS, DO NOT TOUCH RED SAFETY CATCH AGAIN. IT MAY CAUSE WEAPON TO FIRE. FOLLOW MISFIRE PROCEDURES (PARA 2-6).**

- **THE AT4 HAS A SLIGHT RECOIL WHEN FIRED. RECOIL MAY VARY FROM NO RECOIL TO THE EQUIVALENCE OF A 12-GAUGE SHOTGUN. THE LAUNCHER MUST BE RESTRAINED PROPERLY ON THE SHOULDER OR THE TUBE COULD SWING UP AND OFF THE SHOULDER.**

**U**
**AR 5190**

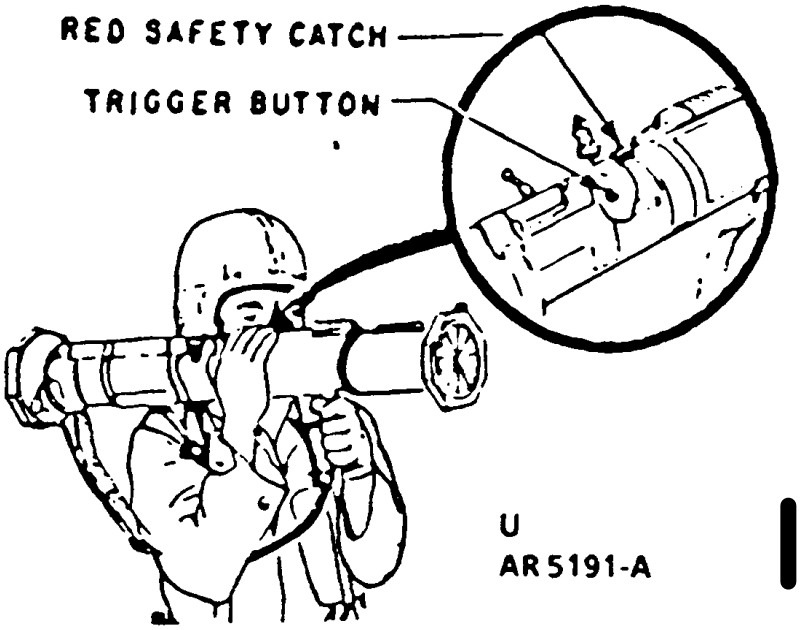
**WARNING**
**(In Training)**

**DO NOT FIRE IF TARGET RANGE IS UNDER 30 METERS (100 FT). RICOCHETED FRAGMENTS OR DEBRIS MAY CAUSE INJURY.**

12. Press red trigger button to fire weapon.

**WARNING**

**IF WEAPON DOES NOT FIRE, FOLLOW MISFIRE PROCEDURES (PARA 2-6).**




**CAUTION**

**Expended launcher is considered a Category lll security risk and must be handled and stored accordingly.**

**NOTE**
**EXPENDED LAUNCHER**

**After firing the AT4 (except in combat) DO NOT DISCARD. Each AT4 is accounted for by serial number and the spent launcher must be turned in for conversion to a field trainer or for salvage of inter-changeable parts or for disposal in accordance with current directives. NSN for expended AT4 launcher is 1315-01-273-9352.**

## Section III. MISFIRE, DISARM PROCEDURES

### 2-6. MISFIRE PROCEDURES - COM8AT

1. Recock the firing mechanism; aim, fully depress and hold down red safety catch, and press the trigger.
2. If the weapon does not fire, recock the firing mechanism; aim, fully depress and hold down red safety catch, and press the trigger.
3. If the weapon does not fire, maintain firing position and return the cocking lever to SAFE position.
4. Remove weapon from shoulder and reinsert transport safety pin.
5. Lay weapon on ground facing target.

### 2-7. MISFIRE PROCEDURES - TRAINING

**NOTE**

**The following steps are for training purposes only.**

**U**
**AR 5192**

1. Notify supervisor. Supervisor will ensure:
   - Cocking lever is in SAFE position
   - Red safety catch is in vertical position
   - Transport safety pin is inserted

**WARNING**

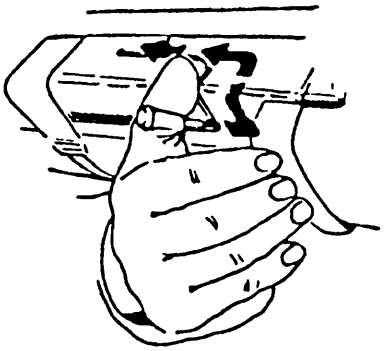
**IF TRANSPORT SAFETY PIN CANNOT BE REINSERTED, DO NOT MOVE THE WEAPON. CALL QUALITY ASSURANCE SPECIALIST (AMMUNITION SURVEILLANCE) (QASAS) AND EXPLOSIVE ORDNANCE DISPOSAL (EOD).**

2. Malfunctions will not be destroyed without approval of the QASAS.
3. Supervisor will obtain complete description of malfunction.
4. If malfunctioned weapon is to be held in storage or shipped, securely tape cocking lever and transport safety pin in place so these items cannot be moved/removed. The weapon is now safe to be handled and shipped.

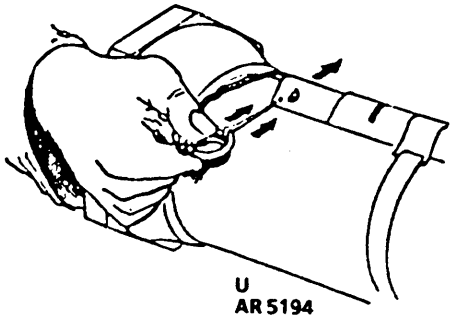
**U**
**AR 5193**

## 2-8. TO DISARM LAUNCHER

1. Release red safety catch.



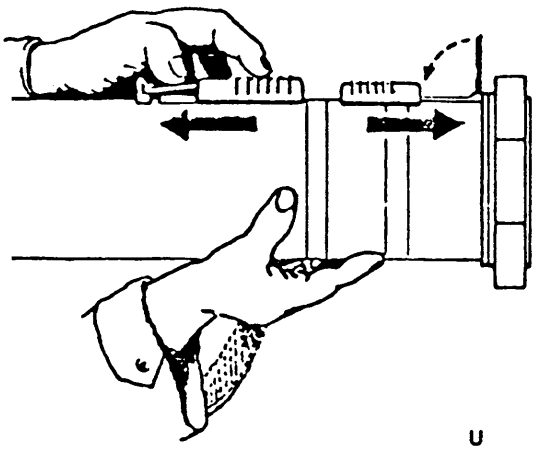
2. Return cocking lever to SAFE position.
3. Remove from shoulder and return to cradle position.
4. Reinsert transport safety pin.



**CAUTION**

**Rear sight may be damaged if sight is not returned to 200-meter setting.**

5. Return rear sight to battle sight setting (200 meters) and fold the sights in their covers as shown.




6. Fold shoulder stop and snap.

7. Assume desired carrying position.

## Section IV. OPERATING UNDER UNUSUAL CONDITIONS

### GENERAL

The AT4 is designed to withstand arctic as well as tropical and desert conditions. However, you should make every possible effort to protect your weapon in order to guarantee its immediate readiness for action.

The AT4 should not be fired when temperatures exceed its operating limits (-40°C to 60°C) (-40°F to 140°F).

### COLD WEATHER

When operating in cold weather, be aware that bringing weapon into a warm enclosure may cause damage. The change in temperature will make metal components sweat and the moisture can cause rust.

Do not use sharp instruments to chip off snow or ice.

Do not thaw weapon out near a direct flame.

**U**
**AR 5196**

**HOT WEATHER**

When operating in extremely hot sunny weather, avoid leaving weapon exposed to direct sunlight for long periods of time. The maximum safe operating temperature of 60°C (140°F) could be exceeded.

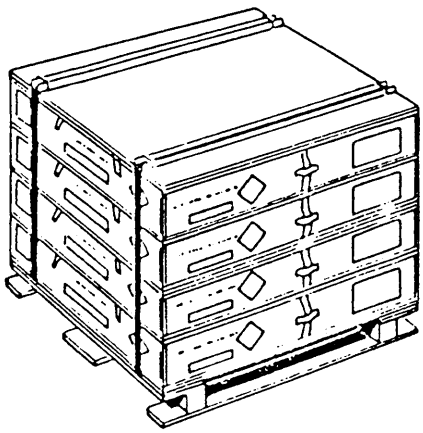
**RAIN AND SNOW**

When operating in rain and snow, protect your weapon from moisture as you would a rifle.

## Section V. UNPACKING AND INSPECTION

### 2-9. CONTAINER DESCRIPTION AND MARKING

PALLET LOAD



**NOTE**

- **Older production may have black corner color codes.**
- **DOT Label: Rocket ammunition with explosive projectile.**
- **Class A explosive label including hazardous class 1.1E.**
- **Actual content: Recoilless rifle ammunition with launcher with explosive projectile.**

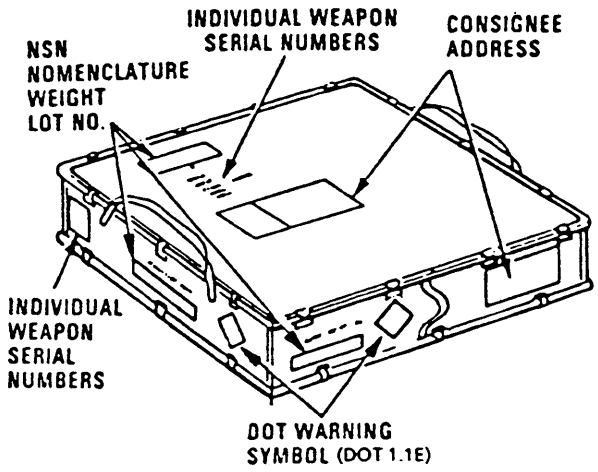
**U**
**AR 5198**

## 2-10. CONTAINER INSPECTION

Check for correct markings.

**NOTE**

- **Correct markings should have been checked by Ammunition Supply Point (ASP) before issue.**
- **Older production may have black corner color codes.**
- **OCONUS production packed in Nefab "VIKEX" box (illustrated).**
- **CONUS production packed in MIL-B-48024 box (not illustrated)**

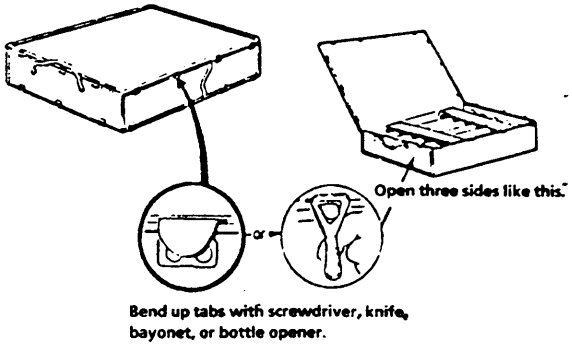


## 2-11. HOW TO OPEN THE CONTAINER (OCONUS PRODUCTION "VIKEX" BOX)

1. Check outer pack for damage. If outer pack has been crushed or punctured, notify supervisor.

**NOTE**

- **Each container contains two combination tools, screwdriver/knife. The knife is used for removing the barrier bags and the screwdriver is used for minor adjustments/repairs.**
- **New CONUS production barrier bags have a V-notch cut in bag one inch from side to allow easy opening without the aid of any tool.**




U
AR 5200

2. Perform PMCS after opening container.

## 2-12. PRECAUTIONS FOR AIR DROPS

**WARNING**

- **IF PARACHUTE DOES NOT OPEN DURING AN AIR DROP, DO NOT MOVE, USE, OR HANDLE WEAPONS INVOLVED. WEAPONS MUST BE CONSIDERED ARMED AND SHOULD BE REPORTED TO AUTHORIZED MUNITIONS PERSONNEL FOR DISPOSAL IF TACTICAL SITUATION PERMITS.**
- **IF PALLET DOES NOT LAND ON IMPACT PAD, WEAPONS MUST BE CONSIDERED ARMED.**

1. Palletized weapons dropped by partially functioning parachute may be used, if palletized weapons land on impact pad and inspection shows no damage.
2. Palletized weapons dropped by a properly functioning parachute should be considered safe to use, regardless of how they impact.

**U**
**AR 5201**

# CHAPTER 3

# OPERATOR MAINTENANCE

## 3-1. REPAIR

Minor repairs may be made to this weapon as authorized by the unit SOP.

## 3-2. CLEANING

**CAUTION**

**Use no solvents.**

1. Keep the weapon clean and dry. Clean the outside of the weapon with a damp rag (item 1, app D) and wipe dry. Do not attempt to disassemble and clean the inside of the weapon.

2. Check the exterior of the weapon for dents, holes, cracks, condition of fire-through muzzle cover and base plate. If damage is found, notify supervisor.

**U**
**AR 5202**

## 3-3. REPLACEABLE PARTS

(1) The transport safety pin may be replaced, if missing.

**NOTE**

- **Save the safety pin for reuse when arming the weapon for training or combat.**

- **If the safety pin is missing, a pin may be recovered from an expended launcher. If a field expedient is necessary, use a cotter pin 1/16 in. dia. x 1 to 1-1/8 in. length (or equivalent wire) with a ring of wire through the end loop for handling. The pin should be bent slightly to form a curve, using a round object approximately 5-1/2 in. dia. A used grenade safety pin, bent as described, meets this requirement.**

**U**
**AR 5203**

(2) The carrying sling may be replaced by taking a sling from an expended launcher or from the M287 subcaliber practice launcher spare parts.

(3) The decals may be replaced from M287 repair parts supply.

## 3-4. DECONTAMINATION (IN COMBAT)

The soldier can use his DKIE (M280) packet to decontaminate the AT4 launcher of the H-series, G-series and V-series agents.

# CHAPTER 4

# UNIT MAINTENANCE

## 4-1. AUTHORIZED MINOR REPAIRS

Minor repairs may be made to this weapon as authorized by the unit SOP.

**WARNING**

**PRIOR TO PERFORMING REPLACEMENT/MAINTENANCE PROCEDURES ON THE LIVE AT4. MAKE CERTAIN THAT:**

- **THE RED SAFETY CATCH IS IN THE VERTICAL POSITION**
- **THE COCKING LEVER IS IN THE SAFE POSITION**
- **THE TRANSPORT SAFETY PIN IS INSERTED ALL THE WAY INTO THE PIN HOLE.**

**NOTE**

**Unit maintenance is performed by the MOS 76Y Unit Armorer, or W66610 Armament Repairer.**

**U**
**AR 5205**

**NOTE**

**Parts such as sight covers, front and rear sight assembly, transport safety pin and decals may be obtained through cannibalization of expended launchers; they are also interchangeable with parts of M287 Launcher. Transport safety pin can also be improvised.**

## 4-2. REPLACEMENT OF FRONT/REAR SIGHT COVER

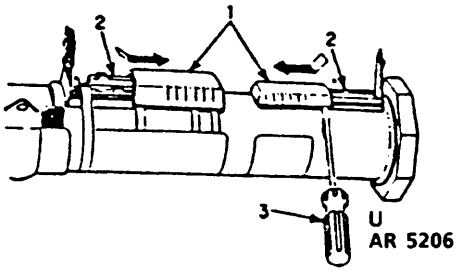
**NOTE**

**Both covers are removed and replaced in the same manner.**

### REMOVAL

1. Press down and slide sight covers (1) to the fully open position.

2. Insert flat-tip screwdriver (3) between sight cover and sight base (2) lift off.



**INSTALLATION**

1. Position sight cover (1) on sight base (2) as shown.

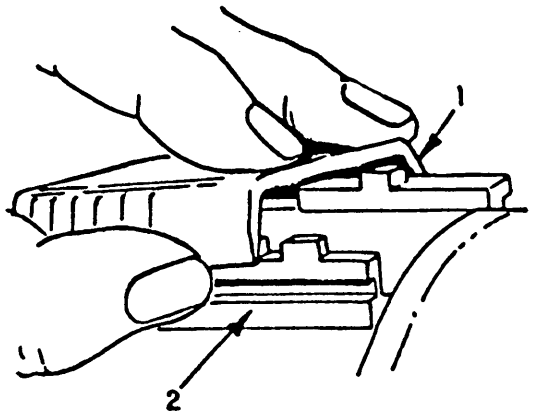
2. Spread sight cover (1) as shown and snap in place.

**CAUTION**

**Rear sight must be in the 200 meter setting prior to folding sight down or sight will be damaged.**

3. Fold sight and hold in place.

4. Slide cover (1) to the fully closed position.




U
AR 5207

## 4-3. REPLACEMENT OF FRONT SIGHT, HINGE PIN, AND SPRING

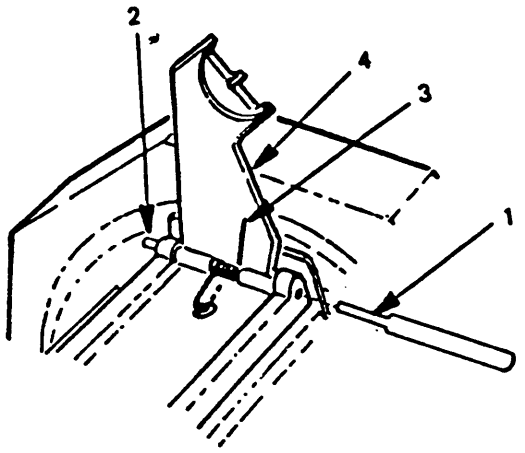
### REMOVAL

1. Slide front sight cover open.
2. Using smallest punch (1) from punch set, push hinge pin (2) as far out as possible.

**CAUTION**

**Hold hand over spring (3), when hinge pin is removed spring may be lost.**

3. Pull hinge pin free.
4. Remove sight blade (4) and spring.

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AR 5208

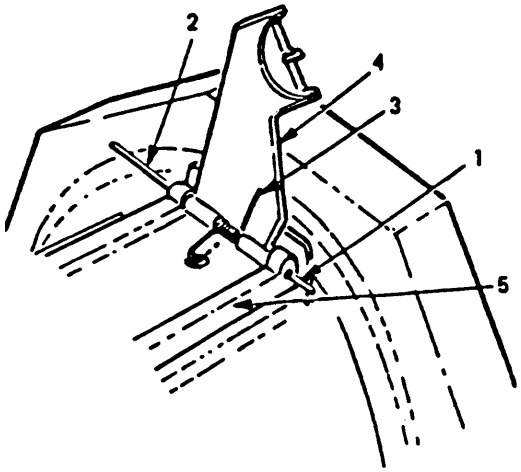
**INSTALLATION**

1. Position sight blade (4) with white markings facing rear of launcher in sight base (5).

2. Position punch (1) through hole in sight base and hole in sight blade only far enough to hold sight blade in place on one side.

3. Position hinge pin (2) through other hole in sight base and sight blade only far enough to hold sight blade in place on other side.

4. Position spring (3) in place as shown.

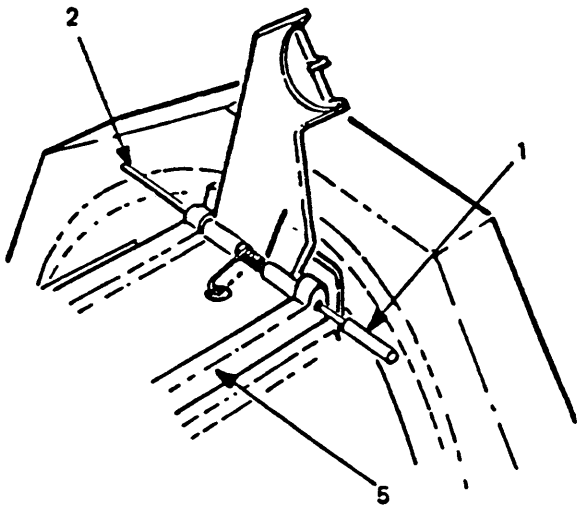



U
AR 5209

5. Push hinge pin (2) into sight base (5) until it is flush. Punch (1) will fall out as hinge pin is pushed.

6. Fold front sight down and hold in place.

7. Slide front cover closed.

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AR 5210

## 4-4. REPLACEMENT OF REAR SIGHT, HINGE PIN, AND SPRING

### REMOVAL

1. Slide rear sight cover open.

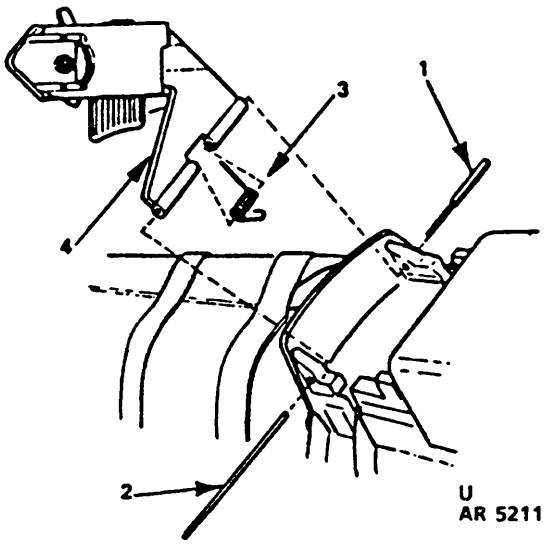
2. Using smallest punch (1) from punch set, push hinge pin (2) as far as possible.

**CAUTION**

**Hold hand over spring (3), when hinge pin (2) is removed, or spring may be lost.**

3. Pull hinge pin free and remove punch.

4. Remove rear sight (4) and spring.



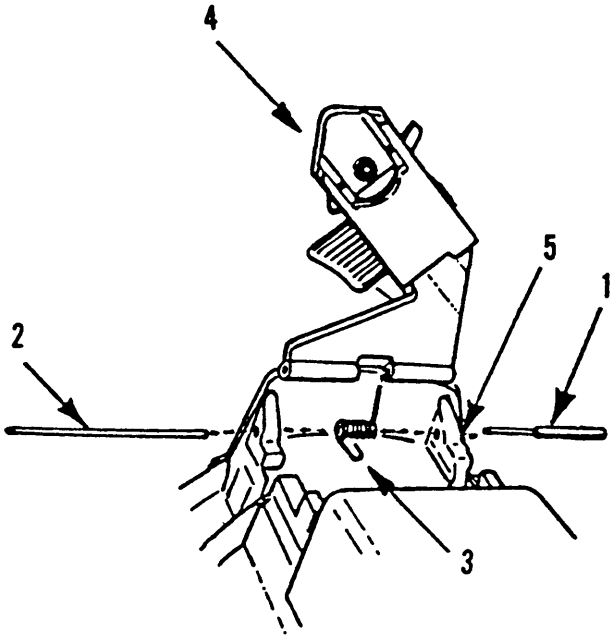
**INSTALLATION**

**NOTE**

**White index markings on sight must be facing rear of launcher.**

1. Position rear sight (4) in sight base (5).
2. Position punch (1) through hole in sight base and hole in rear sight only far enough to hold sight in place on one side.
3. Position hinge pin (2) through other hole in sight base and sight only far enough to hold sight in place on other side.
4. Position spring (3) in place as shown (pin passes through spring).
5. Push hinge pin into sight base until it is flush. Punch (1) will fall out as hinge pin is pushed in.

**U**
**AR 5212**




**CAUTION**

**Rear sight must be in the 200 meter setting prior to folding sight down or sight will be damaged.**

6. Fold rear sight down and hold in place.

7. Slide rear cover closed.

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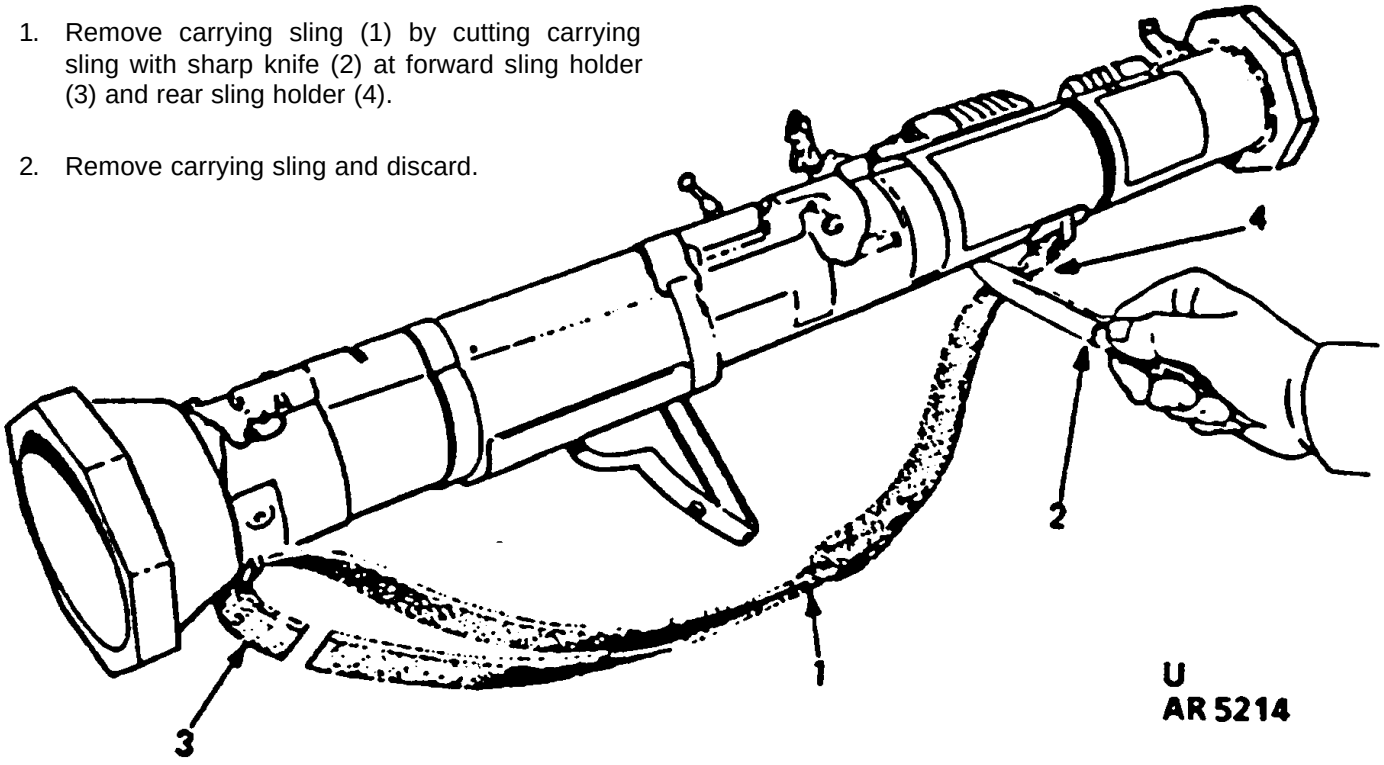
**AR 5213**

## 4-5. REPLACEMENT OF CARRYING SLING

### REMOVAL

1. Remove carrying sling (1) by cutting carrying sling with sharp knife (2) at forward sling holder (3) and rear sling holder (4).

2. Remove carrying sling and discard.



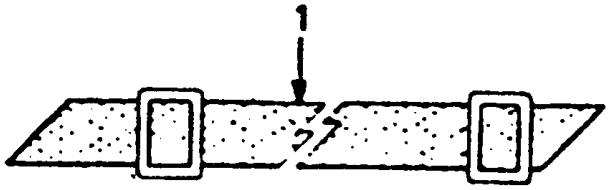
**INSTALLATION**

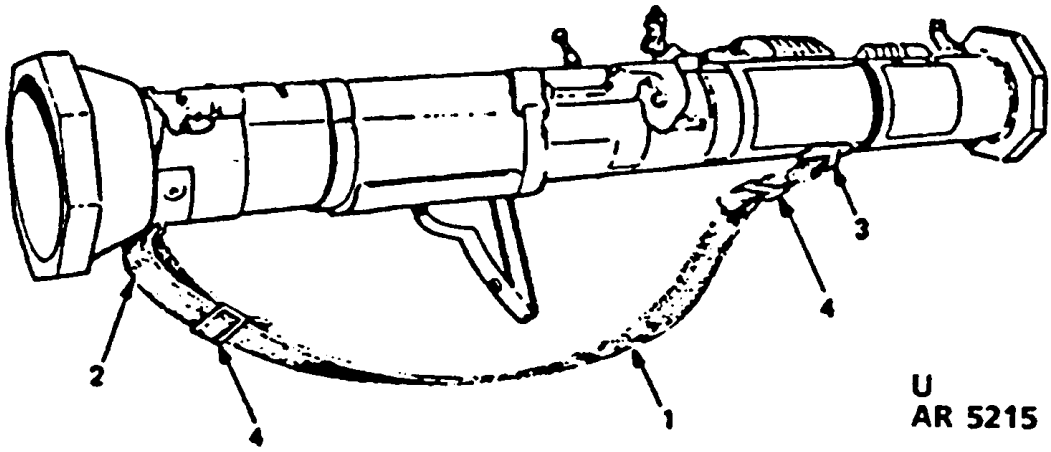
1. Replacement carrying sling (1) for AT4 is a small arms, M1 webbing sling used with M16 rifle. (See page C-3 for NSN.)

2. Thread new sling through forward sling holder (2) and rear sling holder (3).

3. Using buckles (4) on each end of new sling, lock each end.

4. Adjust as required.



## 4-6. REPLACEMENT OF DECALS

### REMOVAL

Slowly peel old decals from launcher.

### INSTALLATION

1. Refer to paragraph 1-6 for location of decals.
2. Install new decals on launcher, as needed.

## APPENDIX A

## REFERENCES

1. ADMINISTRATIVE PUBLICATIONS

| | |
|---|---|
| Fire Report | AR 385-12 |
| Accident Reporting and Records | AR 385-40 |
| Regulations for Firing Ammunition for Training, Target Practice, and Combat | AR 385-63 |
| Report of Packing and Handling Deficiences | AR 700-58 |
| Malfunctions Involving Ammunitions and Explosives | AR 75-1 |
| Army Material Maintenance Concepts and Policies | AR 750-1 |
| Ammunition Surveillance | SB 742-1340-92-11 |
| Security of Arms | DOD 5100-76M |

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**AR 5217**

| | |
|---|---|
| The Army Maintenance Management System (TAMMS) | DA PAM 738-750 |

2. BLANK FORMS

| | |
|---|---|
| Fire Reports | DA Form 5-2 |
| Accident Report | DA Form 285 |
| Record of Injury | DA Form 1051 |
| Recommended Changes to Publications | DA Form 2028 |
| Quality Deficiency Report | SF 368 |

3. TECHNICAL MANUALS

| | |
|---|---|
| Care, Handling, Preservation and Destruction of Ammunition | TM 9-1300-206 |
| Military Explosives | TM 9-1300-214 |

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**AR 5218**

| | |
|---|---|
| Demolition Materials | TM 9-1375-213-12 |
| Ammunition, General | TM 9-1300-200 |
| Serialization | TM 38-214 |
| Noise and Conservation of Hearing | TB MED 251 |

4. FIELD MANUALS

| | |
|---|---|
| Explosives and Demolitions | FM 5-25 |
| Launcher & Cartridge, 84mm, M136 (AT4), HEAT | FM 23-25 |

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**AR 5219**

# APPENDIX B

# MAINTENANCE ALLOCATION CHART

## Section I. INTRODUCTION

### B-1. GENERAL

*a.* This section provides a general explanation of all maintenance and repair functions authorized at various maintenance levels.

*b.* The Maintenance Allocation Chart (MAC) in Section II designates overall responsibility for the performance of the maintenance functions on the identified end item or component. The implementation of the maintenance upon the end item or component will be consistent with the assigned maintenance functions.

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**AR 5220**

## B-2. MAINTENANCE FUNCTIONS

*a. Inspect.* To determine the serviceability of an item by comparing its physical, mechanical, and/or electrical characteristics with established standards through examination.

*b. Test.* To verify serviceability and detect incipient failure by measuring the mechanical or electrical characteristics of an item and comparing those characteristics with prescribed standards.

*c. Service.* Operations required periodically to keep an item in proper operating condition, i.e., to clean (decontaminate), to preserve, to drain, to paint, or to replenish fuel, lubricants, hydraulic fluids, or compressed air supplies.

*d. Adjust.* To maintain, within prescribed limits, by bringing into proper or exact position, or by setting the operating characteristics to specified parameters.

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AR 5221

e. *Align.* To adjust specified variable elements of an item to bring about optimum or desired performance.

f. *Calibrate.* To determine and cause corrections to be made or to be adjusted on instruments or test measuring and diagnostic equipment used in precision measurement. Consists of comparison of two instruments, one of which is a certified standard of known accuracy, to detect and adjust any discrepancy in the accuracy of the instrument being compared.

g. *Install,* The act of emplacing, seating, or fixing into position an item, part, or module (component or assembly) in a manner to allow the proper functioning of an equipment or system.

h. *Replace.* The act of substituting a serviceable like type part, subassembly, or module (component or assembly) for an unserviceable counterpart.

i. *Repair.* The application of maintenance services or other maintenance actions to restore serviceability to an item by correcting specific damage, fault, malfunction, or failure in a part, subassembly, module (component or assembly), end item, or system.

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AR 5222

*j. Overhaul.* That maintenance effort (services/actions) necessary to restore an item to a completely serviceable/operational condition as prescribed by maintenance standards (i.e., DMWR) in appropriate technical publications. Overhaul is normally the highest degree of maintenance performed by the Army. Overhaul does not normally return an item to like new condition.

*k. Rebuild.* Consists of those services/actions necessary for the restoration of unserviceable equipment to a like new condition in accordance with original manufacturing standards. Rebuild is the highest degree of material maintenance applied to Army equipment. The rebuild operation includes the act of returning to zero those age measurements (hours/miles, etc.) considered in classifying Army equipments/components.

**B-3. EXPLANATION OF COLUMNS IN THE MAC, SECTION II**

*a. Column 1, Group Number.* Column 1 lists group numbers, the purpose of which is to identify components, assemblies, subassemblies, and modules with the next higher assembly.

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AR 5223

*b. Column 2, Component/Assembly.* Column 2 contains the names of the components, assemblies, subassemblies, and modules for which maintenance is authorized.

*c. Column 3, Maintenance Functions.* Column 3 lists the functions to be performed on the item listed in column 2. (For detailed explanation of these functions, see para B-2.)

*d. Column 4, Maintenance Category.* Column 4 specifies, by the listing of a "work time" figure in the appropriate subcolumn(s), the lowest level of maintenance authorized to perform the function listed in column 3. This figure represents the active time required to perform the maintenance function at the indicated level of maintenance. If the number or complexity of the tasks within the listed maintenance function vary at different maintenance levels, appropriate "work time" figures will be shown for each level. The number of manhours specified by the "work time" figure represents the average time required to restore an item (assembly, subassembly, component, module, end item, or system) to a serviceable condition under typical field operation conditions.

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AR 5224

This time includes preparation time, troubleshooting time, and quality assurance/quality control time in addition to the time required to perform the specific tasks identified for the maintenance functions authorized in the maintenance allocation chart. The symbol designations for the various maintenance levels are as follows:

| | | |
|---|---|---|
| C | ..... | Operator or crew |
| O | ..... | Unit maintenance |
| F | ..... | Intermediate direct support maintenance |
| H | ..... | Intermediate general support maintenance |
| D | ..... | Depot maintenance |

*e. Column 5, Tools and Equipment.* Column 5 specifies, by code, those common tool sets (not individual tools) and special tools, TMDE, and support equipment required to perform the designated function.

*f. Column 6, Remarks.* This column shall, when applicable, contain a letter code, in alphabetic order, which shall be keyed to the remarks contained in Section IV.

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AR 5225

## Section II. MAINTENANCE ALLOCATION CHART

| (1) Group Number | (2) Component/ assembly | (3) Maintenance function | (4) Maintenance category | | | | | (5) Tools and equipment | (6) Remarks |
|---|---|---|---|---|---|---|---|---|---|
| | | | C | O | F | H | D | | |
| | AT4 | Inspect | 0.1 | | | | | | |
| | | Service | 0,5 | | | | | | |
| | | Replace | | 0.1 | | | | | |
| | | Repair | | 1.6 | | | | 1 | A |
| | Sight covers | Inspect | 0.1 | | | | | | |
| | | Replace | | 0.2 | | | | | |
| | Front sight, hinge pin and spring | Inspect | 0.1 | | | | | | |
| | | Replace | | 0.3 | | | | | |

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AR 5226

## Section II. MAINTENANCE ALLOCATION CHART (Cont)

| (1) Group Number | (2) Component/ assembly | (3) Maintenance function | (4) Maintenance category | | | | | (5) Tools and equipment | (6) Remarks |
|---|---|---|---|---|---|---|---|---|---|
| | | | C | O | F | H | D | | |
| | Rear sight, hinge pin and spring | Inspect | 0.1 | | | | | | |
| | | Replace | | 0.3 | | | | | |
| | Transport safety pin | Inspect | 0.1 | | | | | | |
| | | Replace | | 0.2 | | | | | |
| | Decals | Inspect | 0.1 | | | | | | |
| | | Replace | | 0.3 | | | | | |
| | Carrying sling | Inspect | 0.1 | | | | | | |
| | | Replace | | 0.3 | | | | | |

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AR 5227

## Section II. MAINTENANCE ALLOCATION CHART (Cont)

| REMARKS |
| --- |
| When corrective actions on minor repairs in this manual fail to restore the AT4 to serviceable condition, it will be turned in through ammunition supply channels as specified in the SOP. |

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AR 5228

## Section III. TOOL AND TEST EQUIPMENT REQUIREMENT

| Tools or Test Equipment Reference Code | Maintenance Category | Nomenclature | National Stock Number | Tool Number |
|---|---|---|---|---|
| 1 | 0 | Tool Kit, Small Arm Repairman | 4933-00-357-7770 | |

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AR 5229

# APPENDIX C

# COMPONENTS OF END ITEM AND

# BASIC ISSUE ITEMS (BII) LISTS

## Section I. INTRODUCTION

### C1. SCOPE

This appendix lists components of end item and basic issue items for the AT4 to help you inventory items required for safe and efficient operation.

### C-2. GENERAL

The components of End Item and Basic Issue Items Lists are divided into the following sections.

*a. Section II, Components of End Item.* This listing is for informational purposes only, and is not authority to requisition replacements.

**U**
**AR 5230**

*b. Section III, Basic issue Items*

**C-3. EXPLANATION OF COLUMNS**

The following provides an explanation of columns found in the tabular listings:

*a. Column (1) - Illustration Number (Illus Number).* This column indicates the number of the illustration in which the item is shown.

*b. Column (2) - National Stock Number.* Indicates the National Stock Number assigned to the item and will be used for requisitioning purposes.

c. Column (3*) - Description.* Indicates the national item name and, if required, a minimum description to identify and locate the item. The last line for each item indicates the FSCM (in parentheses) followed by the part number.

**U**
**AR 5231**

*d. Column (4) Unit of Measure (U/M).* Indicates the measure used in performing the actual operational/maintenance function. This measure Is expressed by a two character alphabetical abbreviation (e.g., ea, in, pr).

*e. Column (5) Quantity required (Qty reqd).* Indicates the quantity of the item authorized to be used with/on the equipment.

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**AR 5232**

| Section II. COMPONENTS OF END ITEM (AT4) | | | | |
|---|---|---|---|---|
| (1) Illus number | (2) National stock number | (3) Description FSCM and part number | (4) U/M | (5) Qty reqd |
| | 1315-01-245-4950* | AT4 | EA | 5 |

| SUBCOMPONENTS LIST | | | |
|---|---|---|---|
| SMR Code | Part Number | NSN | Description |
| PA022 | 12330152 | 6920-01-210-0523 | Kit, Decal |
| PA022 | 13229892 | 1015-01-210-0703 | Sight Assy, Rear |
| PA022 | 13229883 | 6920-01-210-0521 | Sight Cover, Rear |
| PA022 | 13229889 | 1015-01-210-0702 | Sight Blade, Front |
| PA022 | 13229882 | 6920-01-210-0520 | Sight Cover, Front |
| XD022 | 13230151 | | Sing Assy |

* OCONUS Production
CONUS Production in MIL-B-48024 Box: 1315-01-324-3055

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AR 5233-A

## Section III. BASIC ISSUE ITEMS

| (1) Illus number | (2) National stock number | (3) Description FSCM and part number | (4) U/M | (5) Qty reqd |
|---|---|---|---|---|
| P 1-8 | 1315-01-245-4950* | AT4 | EA | 5 |
| | 1315-01-324-3055** | | EA | 5 |

* OCONUS Production in VYKEX box
** CONUS Production in MIL-B-48024 box
Note: Some initial CONUS production packaged in VYKEX box and original NSN.

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AR 5234-A1



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# APPENDIX D

# EXPENDABLE SUPPLIES AND MATERIALS LIST

## Section I. INTRODUCTION

### D-1. SCOPE

This appendix lists expendable supplies and materials you will need to operate and maintain the AT4. These items are authorized to you by CTA 50-970, Expendable Items, (Except Medical, Class V, Repair Parts, and Heraldic Items).

### D-2. EXPLANATION OF COLUMNS

*a. Column 1 - Item number.* This number is assigned to the entry in the listing and is referenced in the narrative instructions to identify the material e.g., "Use tape, (item 5, App. D)."

**U**
**AR 5235**

*b. Column 2 - Level.* This column identifies the lowest level of maintenance that requires the listed item.

| | |
|---|---|
| C - Operator/Crew | F - Direct Support Maintenance |
| O - Organizational Maintenance | H - General Support Maintenance |

*c. Column 3 - National Stock Number.* This is the National Stock Number assigned to the item; use it to request or requisition the item.

*d. Column 4 - Description.* Indicates the Federal item name and, if required, a description to identify the item. The last line for each item indicates the Federal Supply Code for Manufacturer (FSCM) in parentheses followed by the part number.

c. Column 5 - Unit of Measure (U/M). Indicates the measure used in performing the actual maintenance function. 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, requisition the lowest unit of issue that will satisfy your requirements.

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AR 5336

## Section II. EXPENDABLE SUPPLIES AND MATERIALS LIST

| (1) Item number | (2) Level | (3) National stock number | (4) Description | (5) U/M |
|---|---|---|---|---|
| 1 | C | 7920-00-205-1711 | Rags, Cotton | BE |
| | | | (81348) DD-R-30 | |
| 2 | C | 6515-00-137-6345 | Ear Plugs * | PR |
| | | | (89875) 4-375 | |

* E-A-R polymer foam plugs (code # 310-1001)

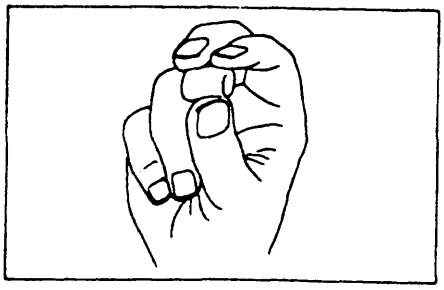
**U**
**AR 5237**

## Section III. INSTRUCTIONS FOR FITTING E-A-R POLYMER FOAM PLUGS

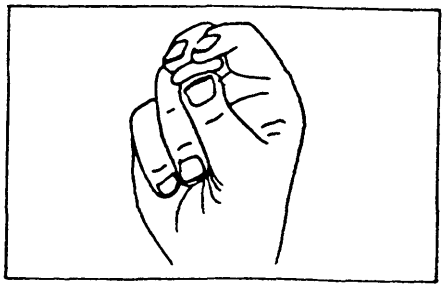
**NOTE**

- **Hands and plugs should be clean prior to use.**
- **Ensure that an individual (medical, safety or range personnel), who has evidence of hearing conservation training, inspects the insertion of E-A-R Plug before each firing of AT4 during training.**
- **E-A-R Plugs can be washed for reuse several times before affecting attenuation properties.**

*a.* Slowly roll and compress plug into thin, crease-free cylinder. Do not worry about harming plug, it is designed to be tightly compressed.



UNCOMPRESSED PLUG



COMPRESSED PLUG

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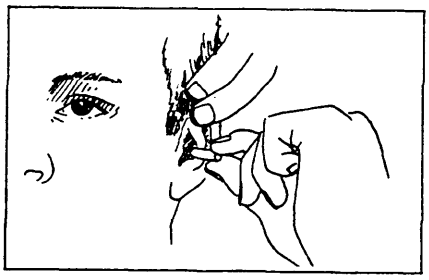
AR 5251

*b.* While compressed, insert plug well into the ear canal. Fitting plug is easier if outer ear is pulled outwards and upwards during insertion.

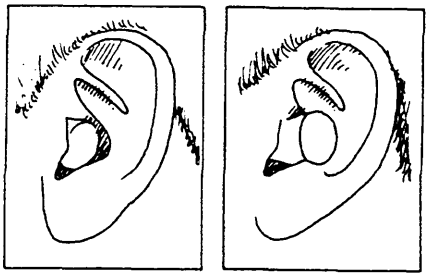
*c.* With fingertip, hold plug in place until it begins to expand and block noise.



PLUG INSERTION

**NOTE**

- **Quality of fit may be estimated by observation.**
- **Earplug fit can be tested in the presence of noise by alternately covering and uncovering ears with tightly pressed hands. With properly fitted plugs the noise levels should seem nearly the same whether or not ears are covered.**



PROPER INSERTION IMPROPER INSERTION

**U**
**AR 5252**

BY ORDER OF THE SECRETARY OF THE ARMY:

CARL E. VUONO
*General, United States Army*
*Chief of Staff*

Official:

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