

TM 9-1315-886-12/TO 11L2-4-10-2

TECHNICAL MANUAL

OPERATOR'S AND UNIT MAINTENANCE MANUAL FOR LAUNCHER AND CARTRIDGE, 84 MILLIMETER: M136 (AT4)

SUPERSEDURE NOTICE - This manual supersedes TM 9-1315-886-12, 30 September 1988, including all changes.

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HEADQUARTERS, DEPARTMENTS OF THE ARMY AND THE AIR FORCE

15 MAY 1990

WARNING SUMMARY

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.

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.

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

KEEP BACKBLAST AREA CLEAR OF PERSONNEL.

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.

DO NOT FABRICATE OR IMPROVISE A LOST TRANSPORT SAFETY PIN FOR AN UNFIRED AT4 LAUNCHER. A REPLACEMENT TRANSPORT SAFETY PIN MUST BE RECEIVED FROM EITHER ANOTHER LOCALLY FIRED AT4 OR STORAGE AT LOCAL AMMUNITION SUPPLY POINT (ASP).

DUD WARNING

THE AT4 WEAPON HAS AN 84MM SHAPED CHARGE HEAT WARHEAD WITH A PIEZO-ELECTRIC 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, DUDS CAN BE EXPECTED TO OCCUR. THESE DUDS SHOULD BE TREATED AS HAZARDOUS AMMUNITION. NOTIFY QUALITY ASSURANCE SPECIALIST (AMMUNITION SURVEILLANCE) (QASAS) AND EXPLOSIVE ORDNANCE DISPOSAL (EOD).

HEARING DAMAGE DANGER ZONE

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.

BACKBLAST DANGER ZONES

WARNING

KEEP BACKBLAST AREA CLEAR.

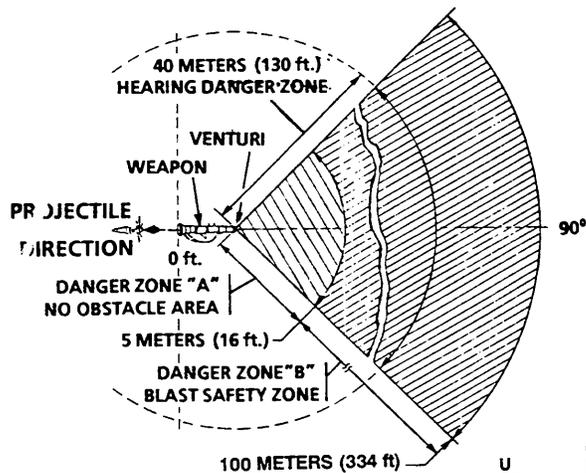
**DO NOT FIRE FROM AN ENCLOSURE
OR IN FRONT OF A BARRIER.**

DANGER ZONE "A"

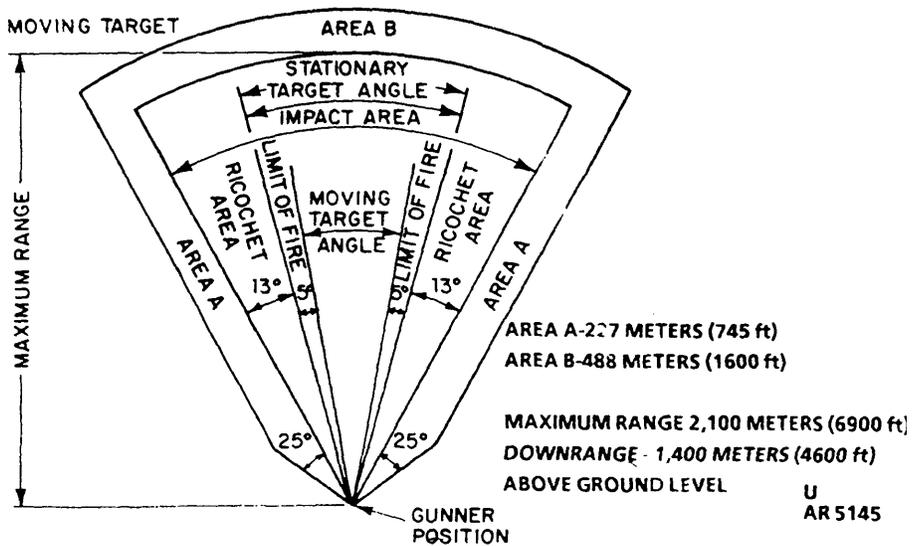
**DANGER FROM BACKBLAST, HEAT
AND FLYING DEBRIS. OBSTACLES
SUCH AS BARRIERS, BIG TREES,
OR OTHER VERTICAL OBJECTS,
MUST NOT BE IN THIS ZONE
BECAUSE OF RICOCHETS.**

DANGER ZONE "B"

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



WEAPON DOWN RANGE DANGER ZONE



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 recoilless 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.

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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 practice 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 M1 36 (AT4) launcher tube fitted with a counterweight and is completely inert.

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**Operator's and Unit Maintenance Manual
for
Launcher and Cartridge, 84 Millimeter: M136 (AT4)**

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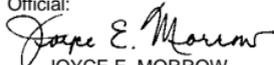
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A and B
2-21 thru 2-24
3-1 and 3-2
4-1 and 4-2
B-7 and B-8

Insert Pages

a and b
A and B
2-21 thru 2-24
3-1 and 3-2
4-1 and 4-2
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2-3 and 2-4

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a and b

A and B

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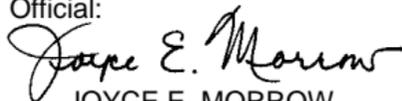
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4. This change implements the Army Maintenance Transformation and changes the Maintenance Allocation Chart (MAC) to support field and sustainment maintenance.
5. Front Cover reprinted due to adding Air Force TO number.

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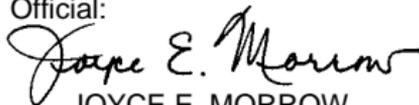
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**Operator's and Unit Maintenance Manual
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NSN 1315-01-245-4950**

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Front Cover
i and ii
1-1 and 1-2
1-5 thru 1-10
1-15 thru 1-19
2-0 thru 2-6
2-19 thru 2-24
3-1 thru 3-3
4-0
4-11
A-0 thru A-2

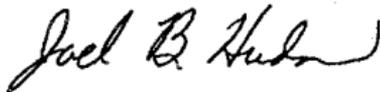
Insert Pages

Front Cover
i and ii
1-1 and 1-2
1-5 thru 1-10
1-15 thru 1-19
2-0 thru 2-6
2-19 thru 2-24
3-1 thru 3-3
4-0
4-11
A-0 thru A-2

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LAUNCHER AND CARTRIDGE,
84 MILLIMETER M136 (AT4)**

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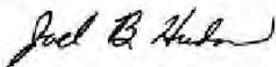
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**TECHNICAL MANUAL
OPERATOR'S AND UNIT MAINTENANCE MANUAL
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84 MILLIMETER: M136 (AT4)**

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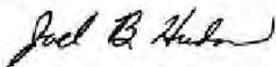
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**TECHNICAL MANUAL
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e and f	e and f
2-21 and 2-22	2-21 and 2-22
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Dates of issue for original and changed pages are::

Original0.	15 May 1990	Change5.	31 March 2004
Change1.	31 December 1990	Change6.	20 June 2007
Change2.	15 June 1992	Change7.	11 January 2008
Change3.	30 May 1995	Change8.	28 November 2008
Change4.	14 March 2001		

TOTAL NUMBER OF PAGES IN THIS PUBLICATION IS 104, CONSISTING OF THE FOLLOWING:

Page No.	*Change No.	Page No.	*Change No.	Page No.	*Change No.
Front Cover.....	7	f.....	0	1-6.....	5
a.....	7	A and B.....	8	1-7.....	0
b.....	8	i and ii.....	7	1-8 thru 1-10.....	5
c.....	2	iii and iv.....	0	1-11 thru 1-15.....	0
d.....	0	1-1 and 1-2.....	5	1-16.....	5
e.....	1	1-3 thru 1-5.....	0	1-17.....	0

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Page No.	*Change No.	Page No.	*Change No.	Page No.	*Change No.
1-18 and 1-19.....	5	3-1.....	8		
2-0 and 2-1.....	5	3-2 and 3-3	5		
2-2.....	0	4-0.....	5		
2-3.....	5	4-1.....	8		
2-4.....	7	4-2 thru 4-11	0		
2-5.....	5	A-0 thru A-2	5		
2-6 thru 2-12.....	0	B-0 thru B-7	6		
2-13.....	2	B-8.....	8		
2-14 thru 2-18.....	0	B-9.....	6		
2-19 and 2-20.....	5	C-0 thru C-2	0		
2-21.....	8	C-3 and C-4	7		
2-22 and 2-23.....	5	D-1 thru D-5	0		
2-24.....	8	D-6 Blank.....	0		
2-25 thru 2-31	0				
3-0.....	0				

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**Operator's and Unit Maintenance Manual
for
Launcher and Cartridge, 84 Millimeter: M136 (AT4)
NSN 1315-01-245-4950
NSN 1315-01-486-2293**

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TABLE OF CONTENTS

			Page
CHAPTER	1.	INTRODUCTION	1-1
	Section I.	GENERAL.....	1-1
	Section II.	WEAPON DESCRIPTION AND DATA.....	1-7
CHAPTER	2.	OPERATOR INSTRUCTIONS	2-0
	Section I.	OPERATOR'S CONTROLS AND INDICATORS	2-0
	Section II.	OPERATING UNDER USUAL CONDITIONS.....	2-2
	Section III.	MISFIRE, DISARM PROCEDURES	2-22
	Section IV.	OPERATING UNDER UNUSUAL CONDITIONS.....	2-26
	Section V.	UNPACKING AND INSPECTION.....	2-28
CHAPTER	3.	OPERATOR MAINTENANCE	3-0
CHAPTER	4.	UNIT MAINTENANCE	4-0

U
AR 5150

	Page
APPENDIX A. REFERENCES	A-0
APPENDIX B. MAINTENANCE ALLOCATION CHART.....	B-0
APPENDIX C. COMPONENTS OF END ITEM AND BASIC ISSUE ITEMS (BII) LISTS.....	C-0
APPENDIX D. EXPENDABLE SUPPLIES AND MATERIALS LIST.....	D-1

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 380-6, AR 380-40, and AR 380-40.1.

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

TM 9-1315-886-12

- *Malfunctions:* See AR 75-1 for malfunction reporting procedures. Use DA Form 4379 (Ammunition Malfunction Report Installation) (RCS AMC-132 MIN) for conventional ammunition.
- *Fire Reports:* Refer to AR 420-90 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 385-40.

- *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 U.S. Army, RDECOM ARDEC, ATTN: AMSRD-AAR-QEP-C, 1 Rock Island Arsenal, Rock Island, IL 61299-7300.

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**

TM 9-1315-886-12

Destruction by demolition.

NOTE

This method requires that you know how to use demolition materials as outlined in FM 5-250.

- 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.

Section II. WEAPON DESCRIPTION AND DATA

1-4. DESCRIPTION OF AT4

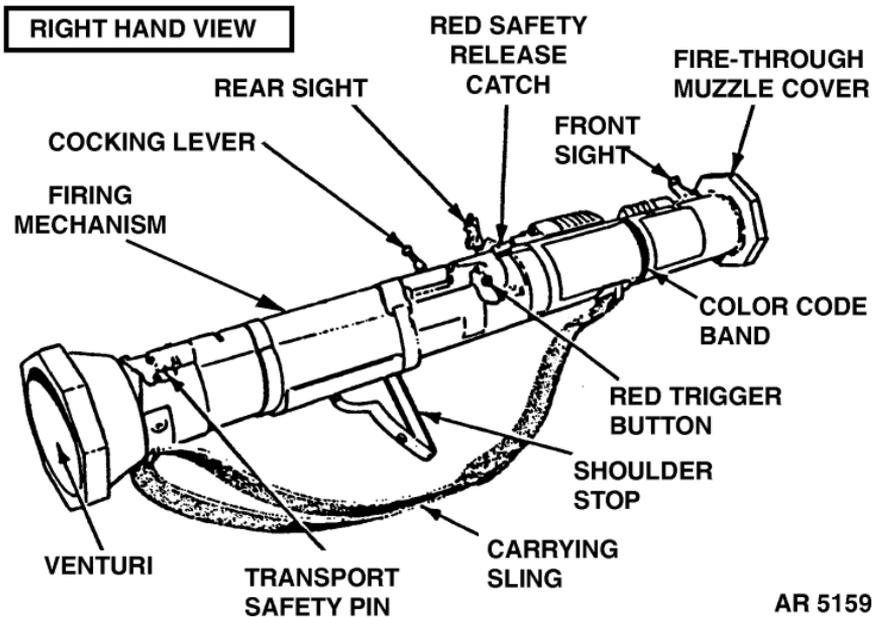
The AT4 is a fully self-contained, light-weight, man-portable, right shoulder fired anti-armor weapon. The weapon consists of a free-flight, fin-stabilized projectile, which is packaged and sealed in an expendable launcher that also serves as a transport and water-tight storage container.

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.

U
AR 5158



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 release 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.

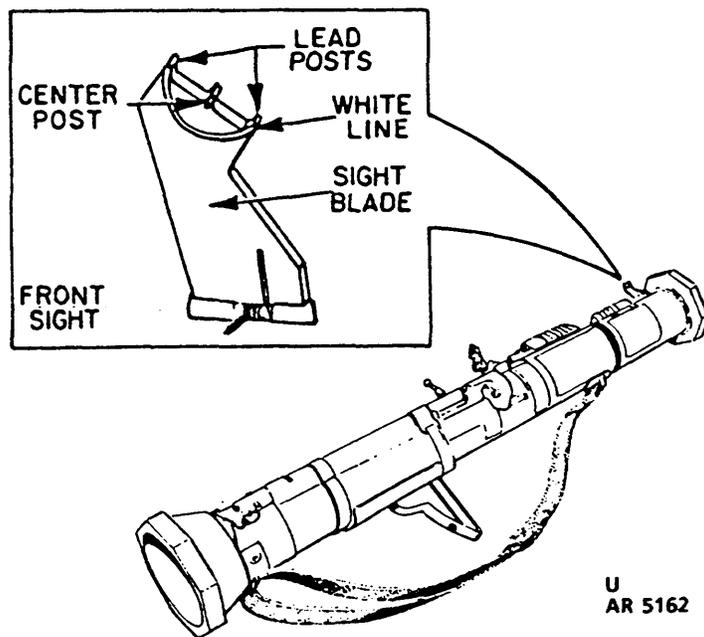
TM 9-1315-886-12

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 Release Catch.* Red safety release catch is located in forward end of firing mechanism. The red safety release 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.

e. *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.



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.

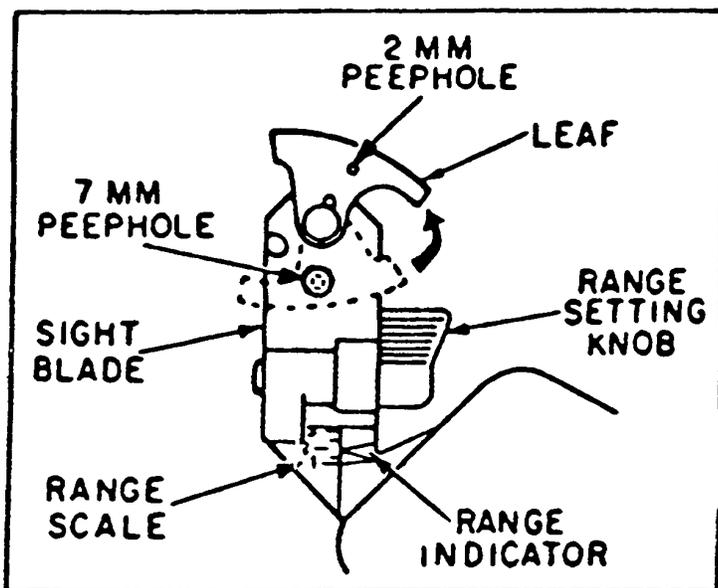
The range scale is indexed with ranges from 100 to 500 meters in 50-meter increments. When the rear sight pops up, it is set on 200 meters, which is the battle sight-setting. On battle sight setting, the range setting knob is in a vertical position.

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

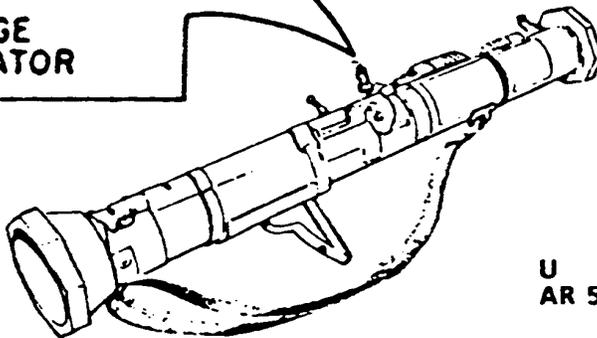
When firing the AT4, the range should be set to the nearest 50-meters and not be automatically left on the 200-meter battle sight setting to avoid missing the target and possible duds.

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

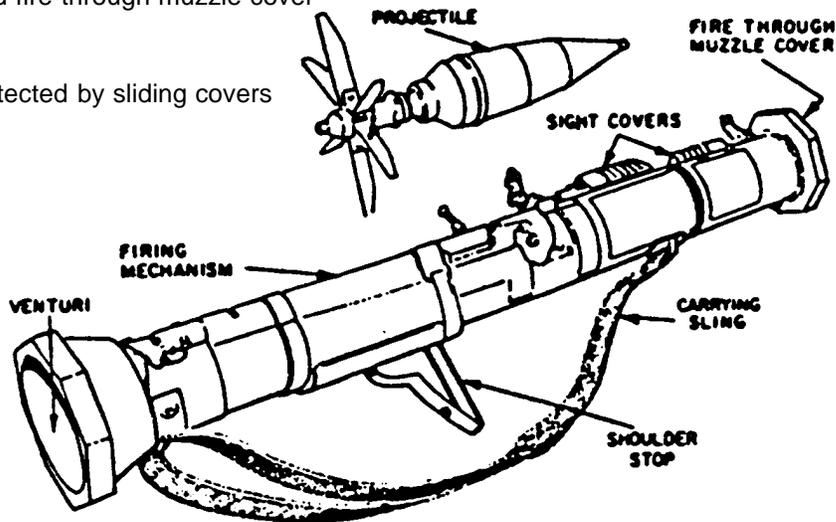
CAUTION
REAR SIGHT CAN BE DAMAGED
WHEN REFOLDING SIGHT UNDER
REAR SIGHT COVER IF SIGHT IS
NOT SET TO 200 METERS



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.

U
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'

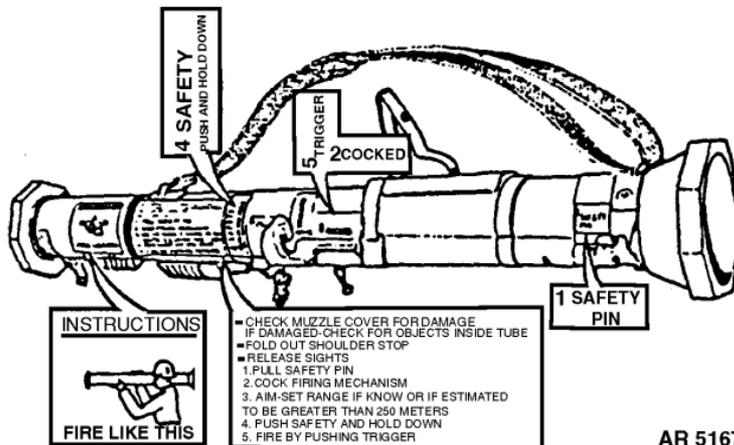
*Early production. After approximately Sept 1988, the black band will have a narrow yellow band in the center.

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 - To Release Safety, Push and Hold Down
- Trigger - Cocked
- Safety Pin

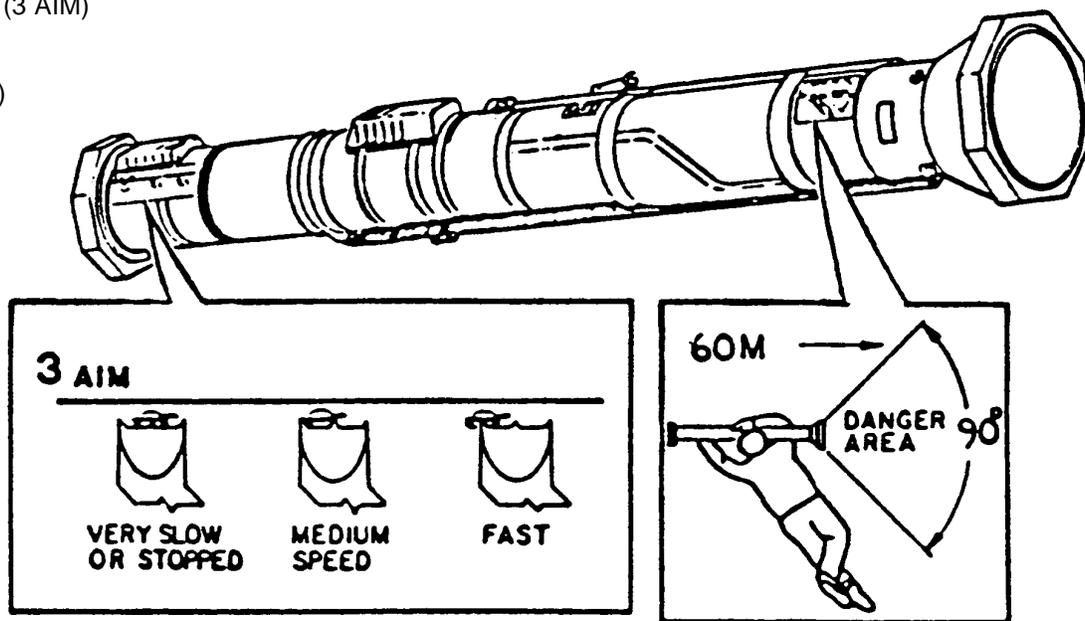


AR 5167

INSTRUCTION AND SAFETY MARKINGS - Cont

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

LEFT HAND VIEW

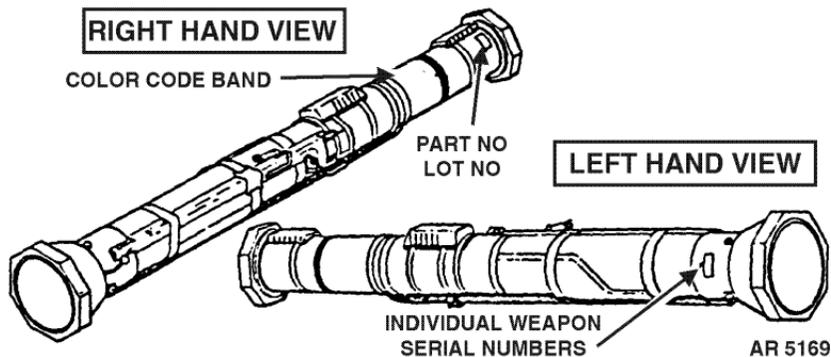


U
AR 5168

1.8 IDENTIFICATION MARKINGS

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

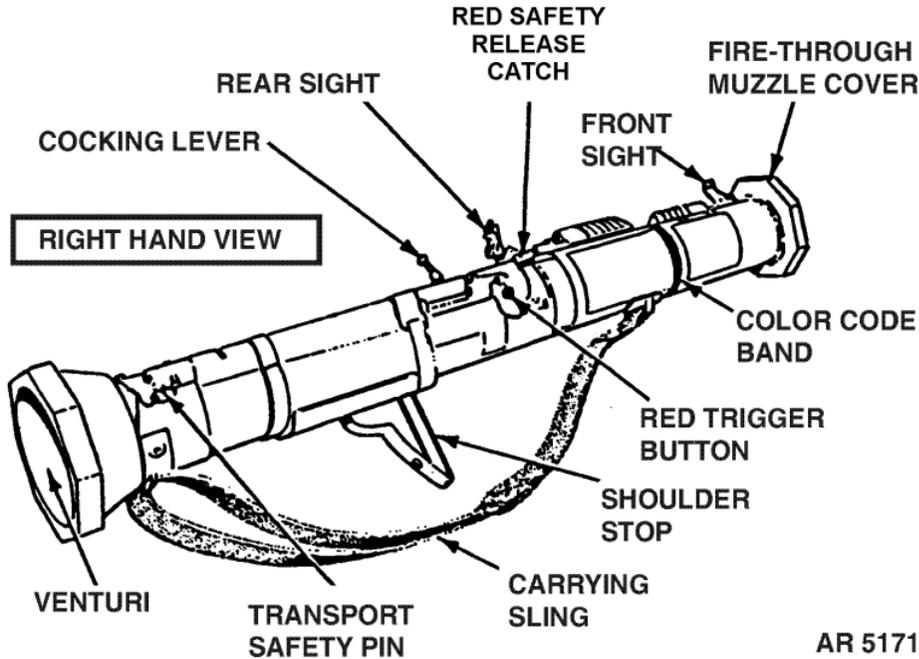
The following instructions show the identification labels as they appear on the weapon.



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**CHAPTER 2
OPERATING 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.
Cocking Lever	Cocks firing mechanism.
Front Sight	Provides left, right, and center posts for determining lead.
Rear Sight	Provides adjustment for range and visibility conditions.
Red Trigger Button	Fires the weapon.
Red Safety Release Catch	Provides final safety.
Transport Safety Pin	Provides first safety for transportation.
Color Code Band	Identifies type of warhead.



AR 5171

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	Equipment is not Ready/ Available if	Action to be Taken
	B	D	A	W	M		Check for and have repaired or adjusted as necessary		
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)

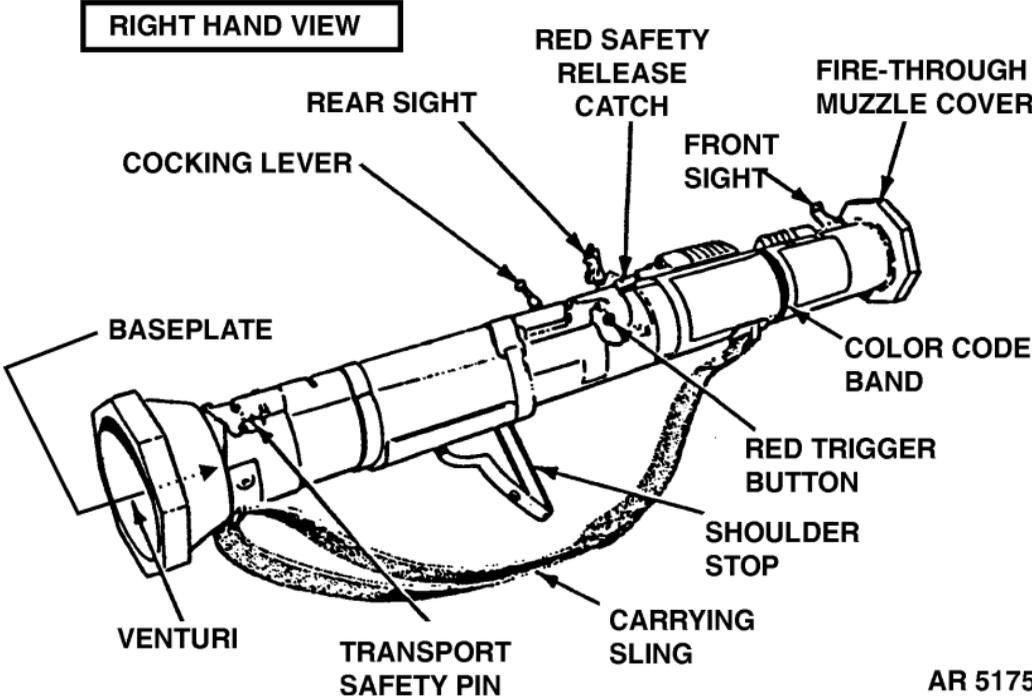
Item No.	Interval					Item to be Inspected (note 3)	Procedures	Equipment is not Ready/ Available if:	Action to be Taken
	B	D	A	W	M		Check for and have repaired or adjusted as necessary		
4	X					Color Code Band	Correct color, yellow on black band	Color is wrong	Replace weapon
5	X	X	X	X	X	Sights	Function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

2.1 OPERATOR PREVENTIVE MAINTENANCE CHECKS AND SERVICES (CONT)

Item No.	Interval					Item to be Inspected (note 3)	Procedures	Equipment is not Ready/ Available if:	Action to be Taken
	B	D	A	W	M		Check for and have repaired or adjusted as necessary		
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	Visible damage	Severe handling damage or white plastic visible	Replace weapon
10	X					Fiberglass Tape	Serviceability (See note 7.)	Broken/damaged	Replace weapon

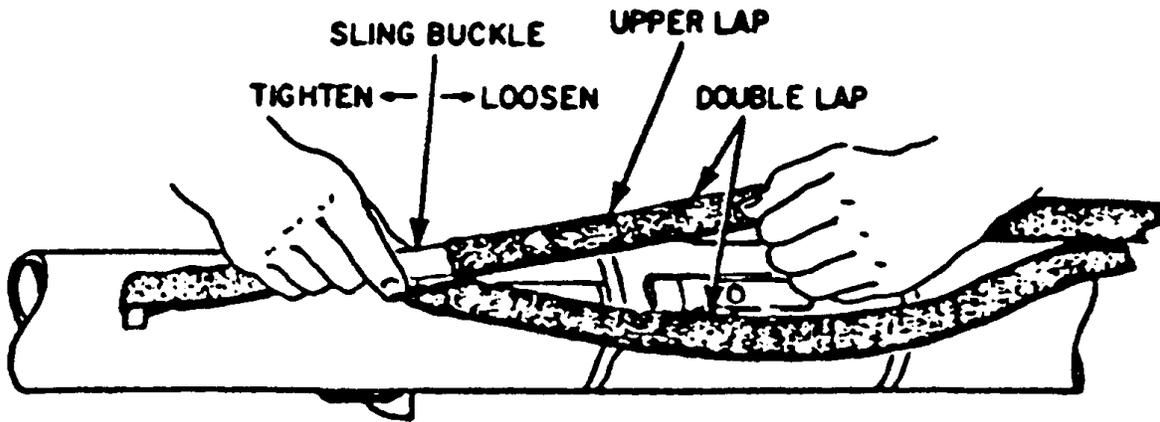
NOTES:

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 Replacement Parts.
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.
7. Before use, ensure fiberglass tape is present with no evidence of damage. Fiberglass tape secures the rear sight assembly and the safety catch lever to the launcher tube.



AR 5175

2-2. ADJUSTING CARRYING SLING

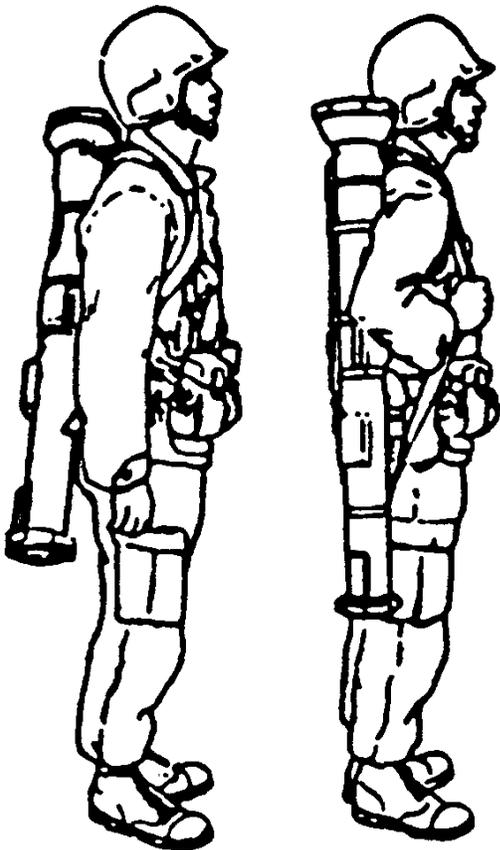


To loosen the sling strap, grasp the upper lap of the double lap portion of the assembly with one hand and slide the sling buckle towards the double lap with the other hand.

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

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AR 5176

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



**CARRYING POSITIONS
(MUZZLE DOWN)**

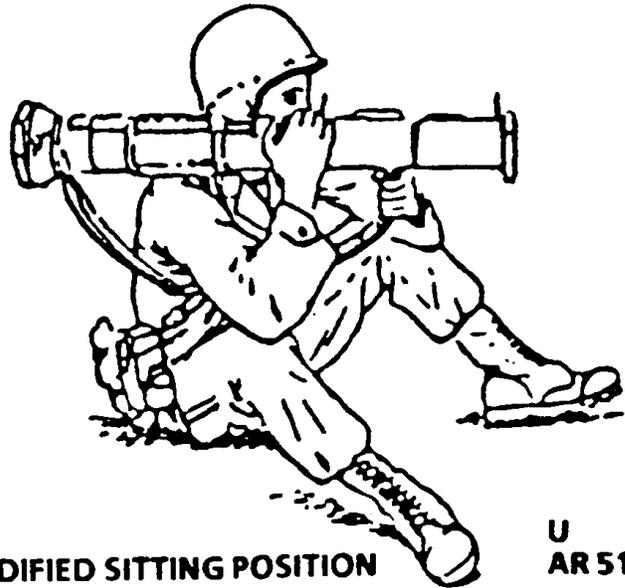


**CRADLE POSITION
TO PREPARE FOR
IMMEDIATE FIRING** U
AR 5177

2-4. FIRING POSITIONS



SITTING POSITION

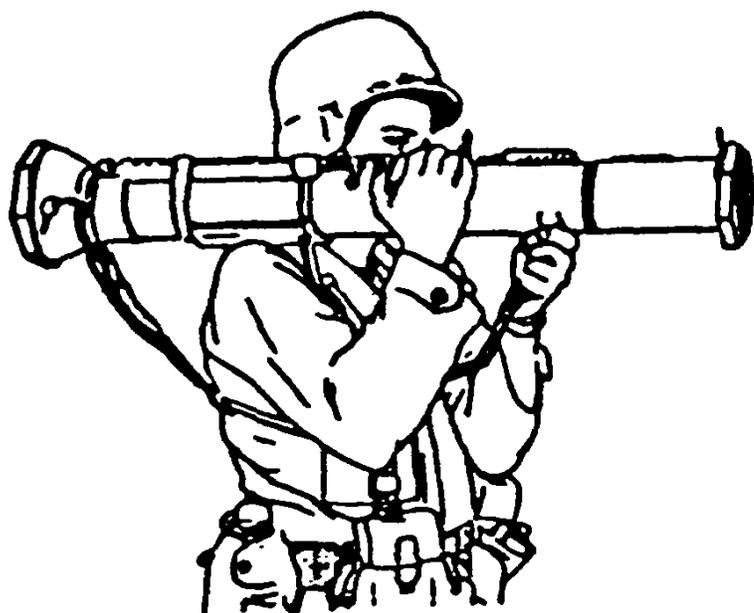


MODIFIED SITTING POSITION

**U
AR 5178**

WARNING

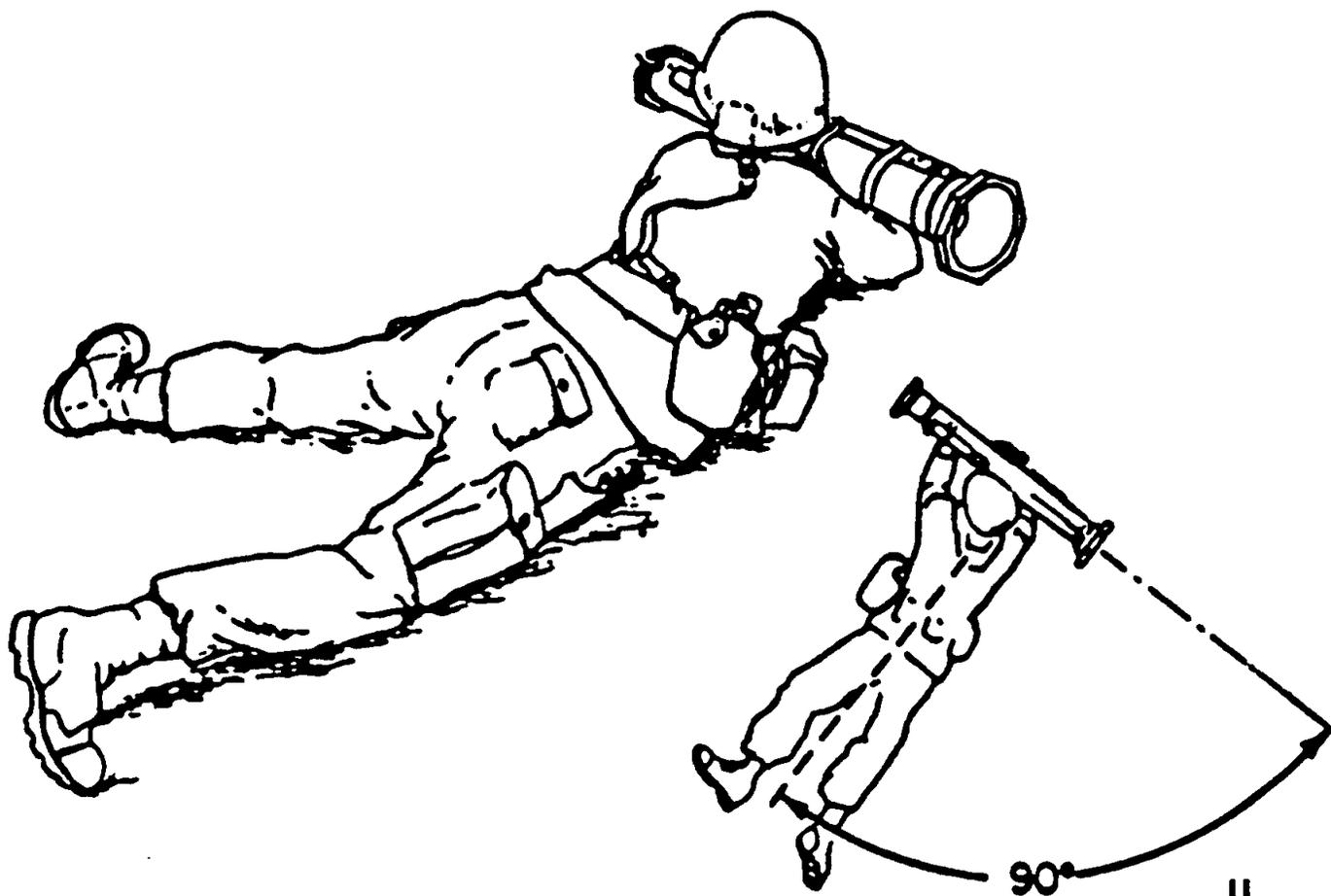
- WEAPON SHALL BE FIRED WITH HELMET ON. COLLAR TURNED UP AND SLEEVES DOWN.
- THERMAL RADIANT ENERGY GENERATED FROM BACKBLAST WILL BURN BARE SKIN AND SINGE HAIR.



STANDING POSITION

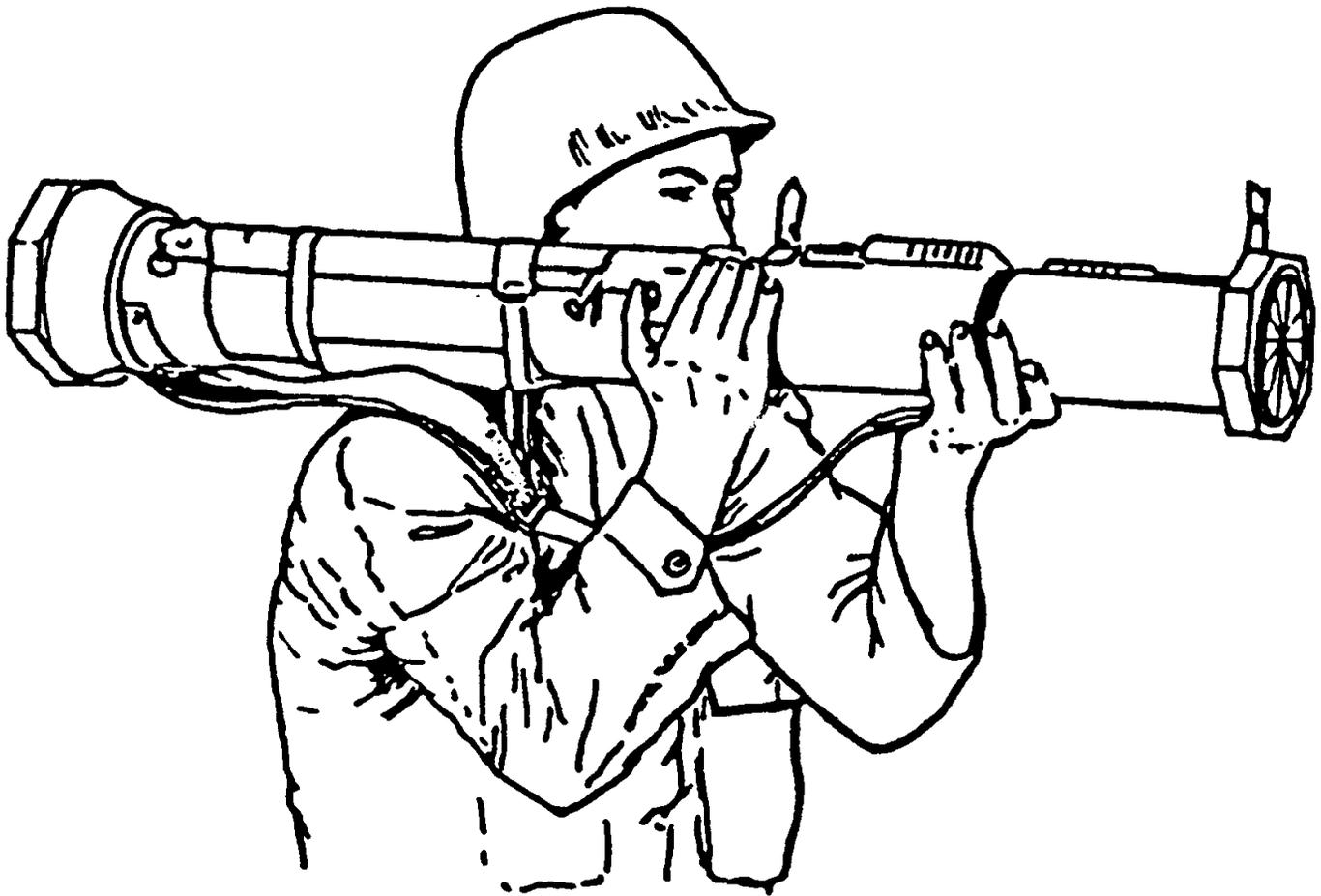


**U
AR 5179**



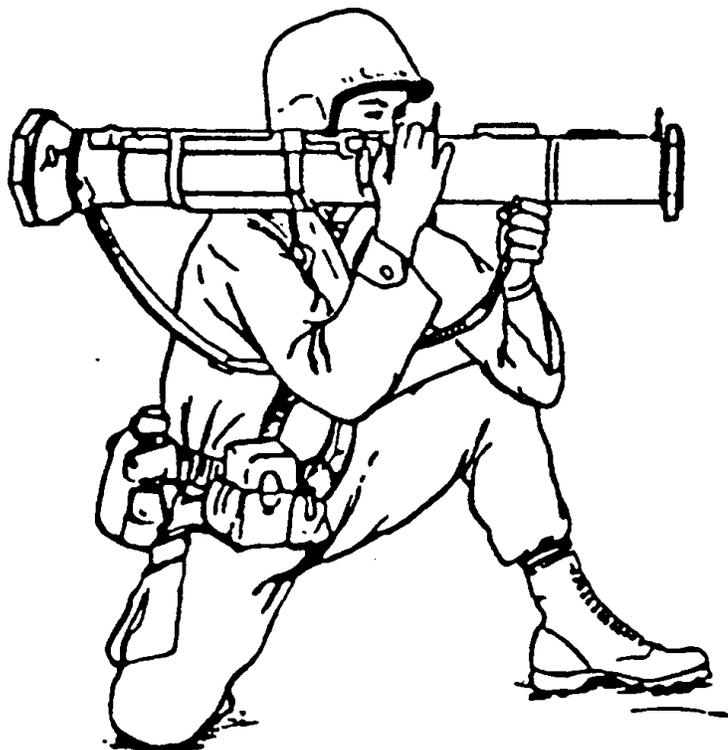
PRONE POSITION

**U
AR 5180**

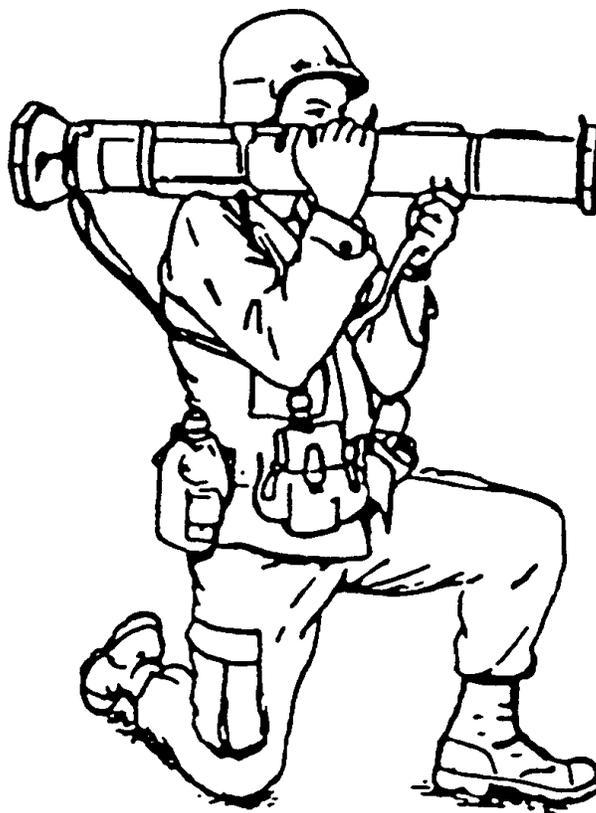


**ALTERNATE METHOD OF HOLDING WEAPON
USING PALM OF LEFT HAND TO SUPPORT THE
LAUNCHER.**

**U
AR 5181**



KNEELING POSITION



MODIFIED KNEELING POSITION

U
AR 5182

BACKBLAST DANGER ZONES

WARNING

KEEP BACKBLAST AREA CLEAR.

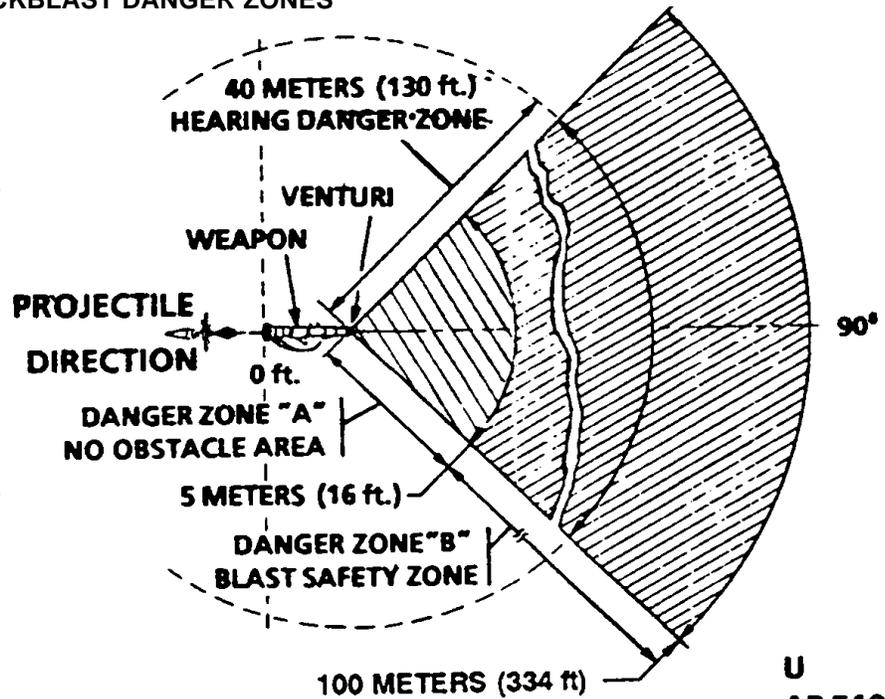
DO NOT FIRE FROM AN ENCLOSURE OR IN FRONT OF A BARRIER.

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.

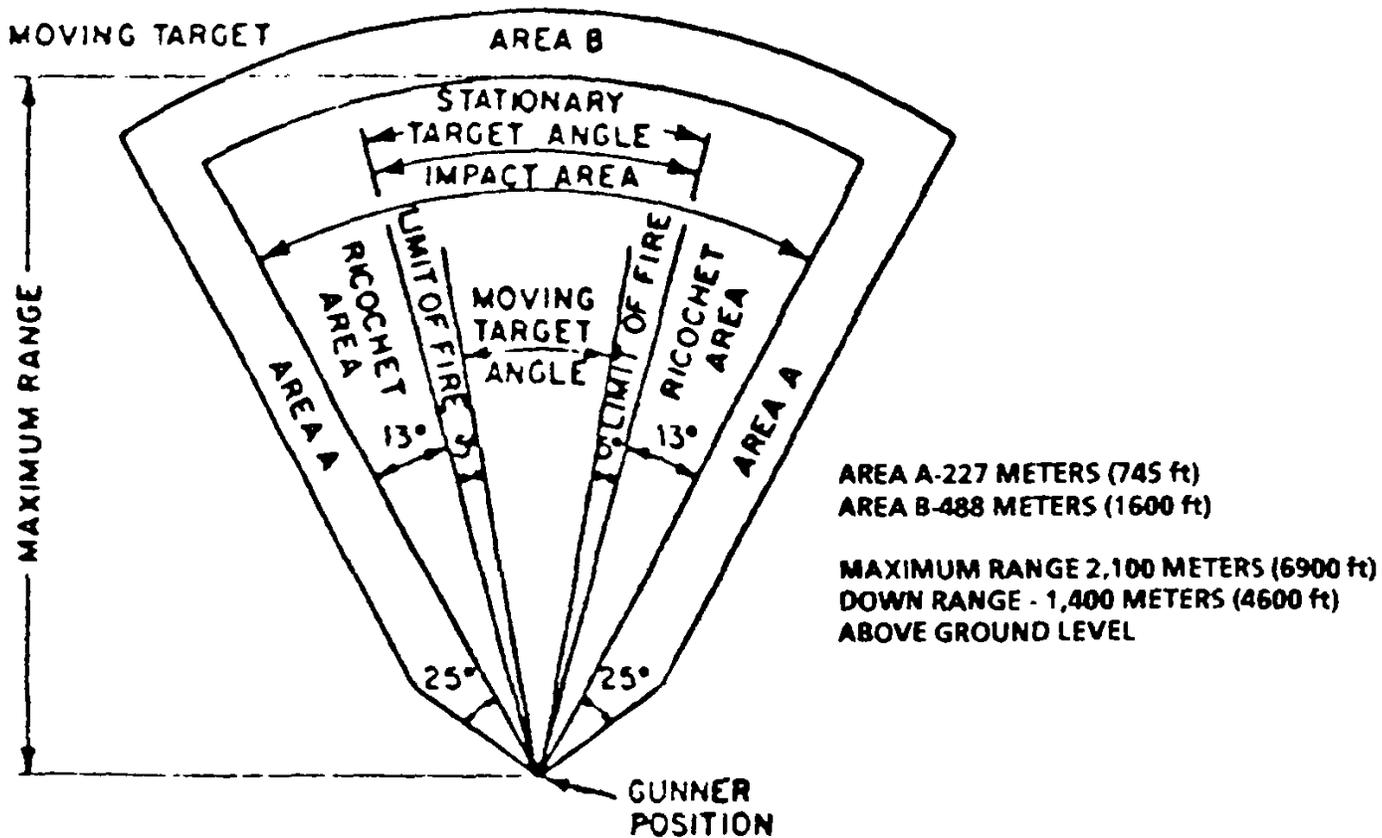
DANGER ZONE 'B'

DANGER FROM BACKBLAST, FLYING DEBRIS, AND NOISE.



**U
AR 5183-A**

WEAPON DOWN RANGE DANGER ZONE



☆ 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.

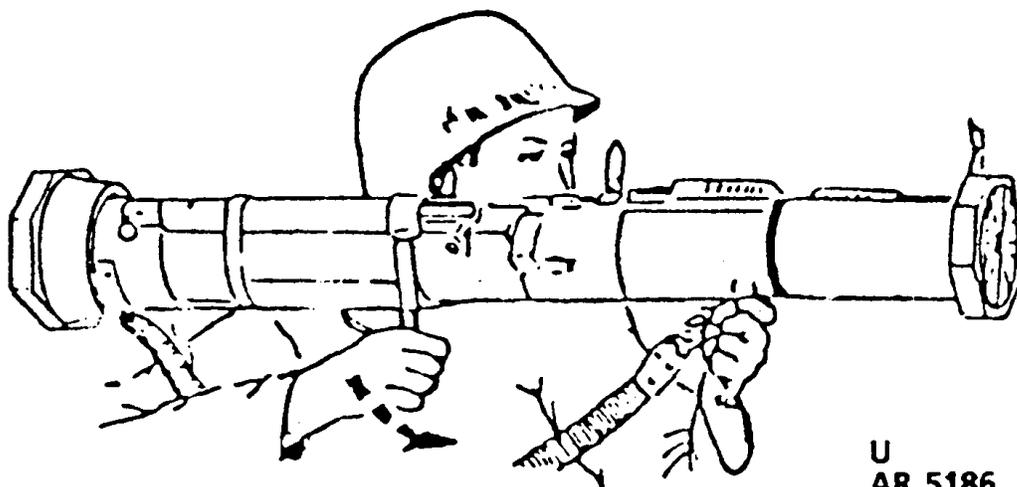


**U
AR 5185**

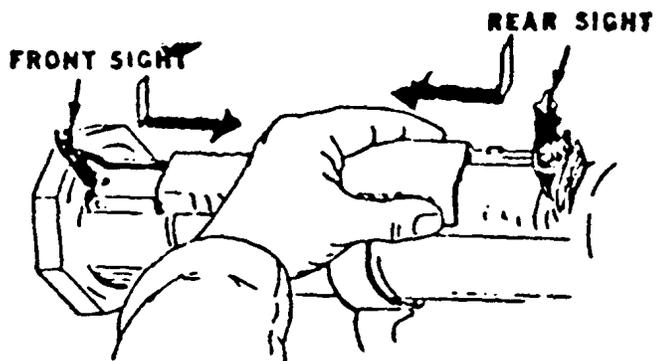
3. Place weapon on right shoulder.



4. Unsnap shoulder stop and unfold.

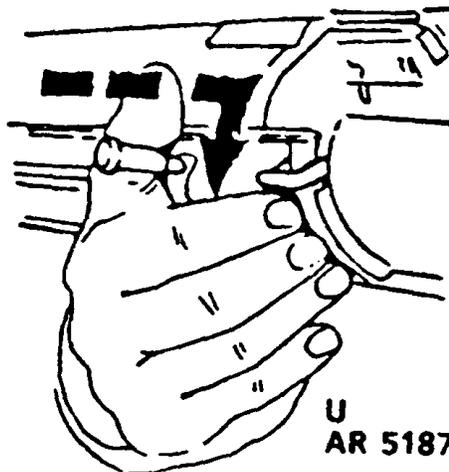


U
AR 5186



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

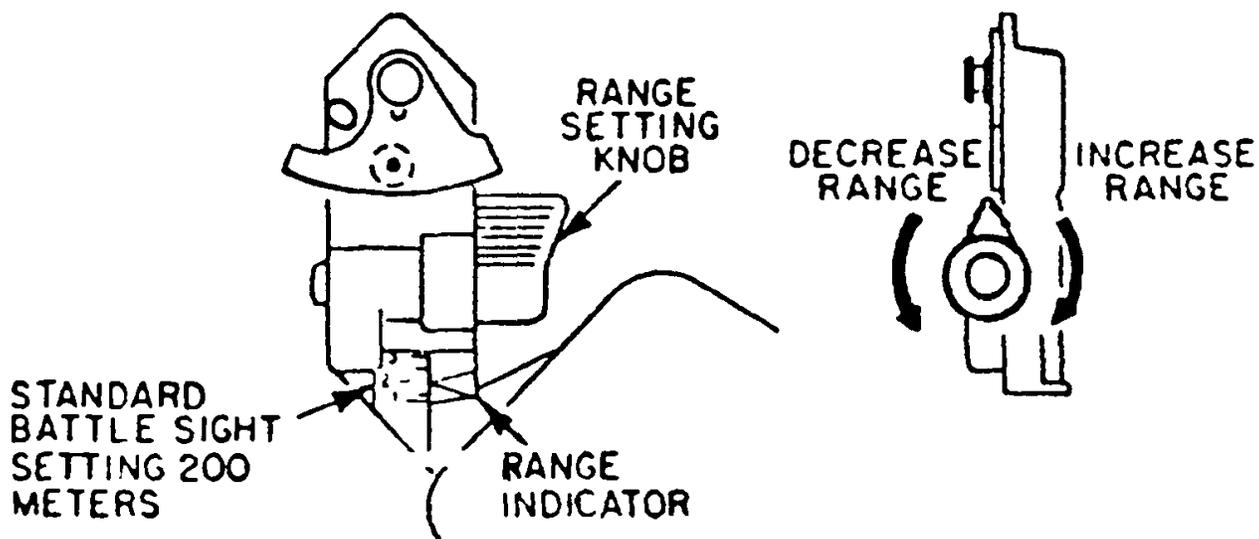
6. Push cocking lever forward and down with inner part of right thumb.
Ensure cocking lever is erect. Support with other fingers of right hand as shown.
7. Check backblast area.
8. Press shoulder stop against shoulder.



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.



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AR 5188

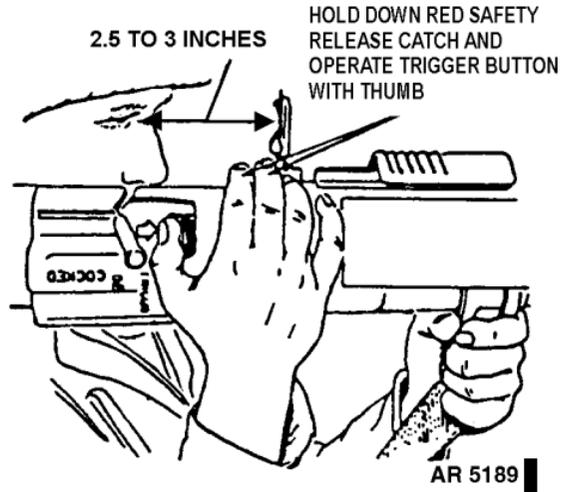
WARNING

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 release catch to release safety.



WARNING

- FAILURE TO FULLY DEPRESS AND HOLD RED SAFETY RELEASE CATCH DOWN MAY CAUSE A MISFIRE.
- IF THIS OCCURS, DO NOT TOUCH RED SAFETY RELEASE 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.

**WARNING
(IN TRAINING)**

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

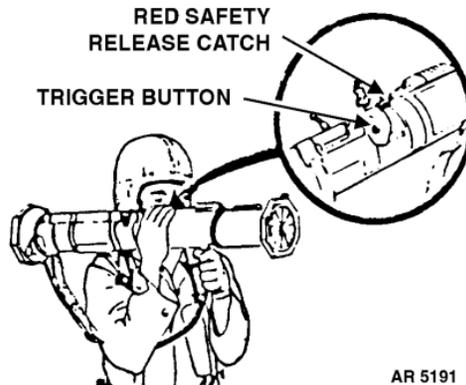
12. Press red trigger button to fire weapon.

WARNING

IF WEAPON DOES NOT FIRE, FOLLOW MISFIRE PROCEDURES (PARA 2.6).

CAUTION

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



AR 5191

**NOTE
EXPENDED LAUNCHER**

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

**NOTE
TRANSPORT SAFETY PIN**

After firing the AT4, the transport safety pin must be retained or returned to the local ASP for storage and reuse as a replacement part.

SECTION III. MISFIRE, DISARM PROCEDURES

2.6 MISFIRE PROCEDURES - COMBAT

1. Recock the firing mechanism; aim, fully depress and hold down red safety release catch, and press the trigger.
2. If the weapon does not fire, recock the firing mechanism; aim, fully depress and hold down the red safety release 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.

1. Notify supervisor. Supervisor will ensure:
 - Cocking lever is in SAFE position
 - Red safety release 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).

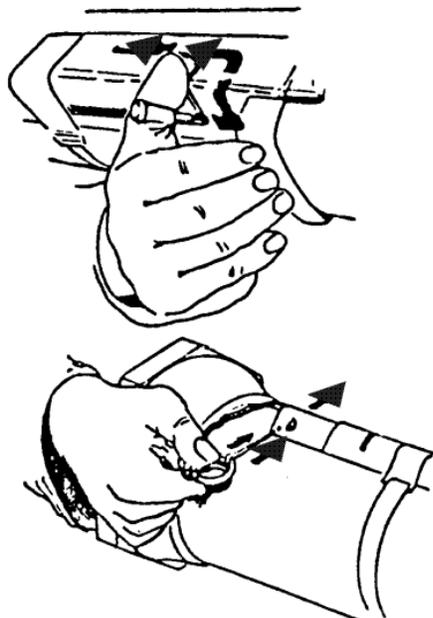
2. Malfunctions will not be destroyed without approval of the QASAS.
3. Supervisor will obtain complete description of malfunction.
4. If malfunctioned weapon is to be held in storage or shipped, securely tape cocking lever and transport safety pin in place so these items cannot be moved/removed. The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

2.8 TO DISARM LAUNCHER

WARNING

Do not fabricate or improvise a lost transport safety pin for an unfired AT4 launcher. A replacement transport safety pin must be received from either another locally fired AT4 or storage at local ASP.

1. Release red safety release catch.
2. Return cocking lever to SAFE position.
3. Remove from shoulder and return to cradle position.
4. Ensure elastic cord is tied to the rear sling swivel. Hold the weapon as shown on page 2-15 and insert the transport safety pin such that it points toward the operator.

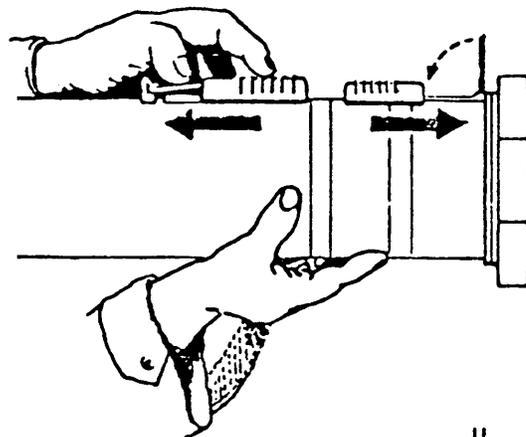


AR 5194

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.



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AR 5195

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.

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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.

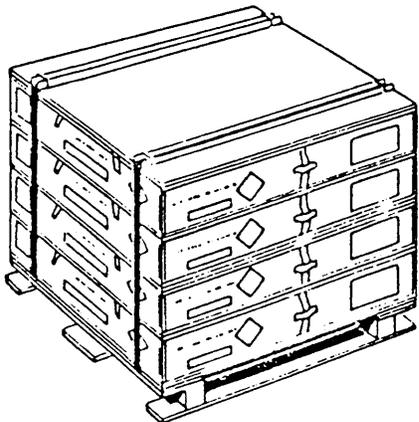
RAIN AND SNOW

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.

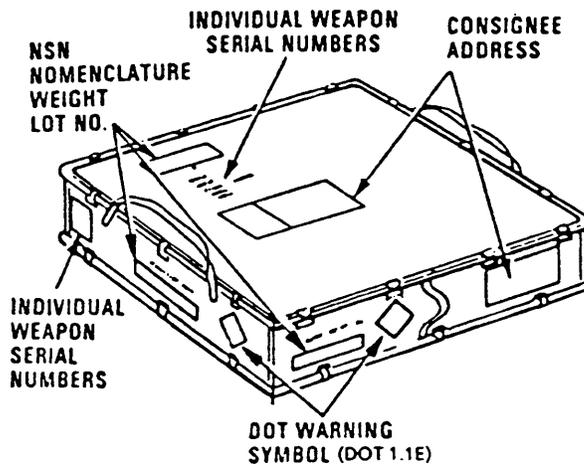
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AR 5198

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)



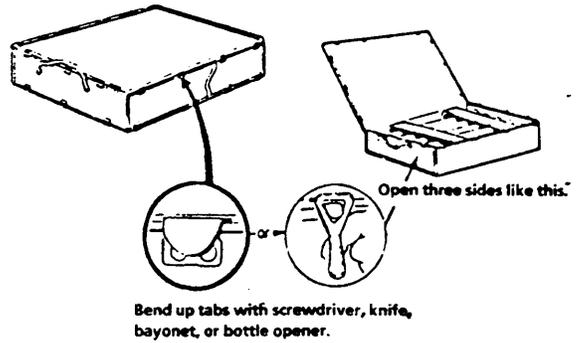
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AR 5199

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.



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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.

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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.

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AR 5202

3.3 REPLACEMENT PARTS

- (1) Transport Safety Pin.

WARNING

Do not fabricate or improvise a lost transport safety pin for an unfired AT4 launcher. A replacement transport safety pin must be received from either another locally fired AT4 or storage at local ASP.

NOTE

The transport safety pin must be received either from a locally fired AT4 from within the same mission or training, or from storage at local ASP.

Follow para 2.8 for instructions on replacing the transport safety pin.

TM 9-1315-886-12

- (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.

TM 9-1315-886-12

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Change 5 3-3

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 RELEASE 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 WG6610 Armament Repairer.

NOTE

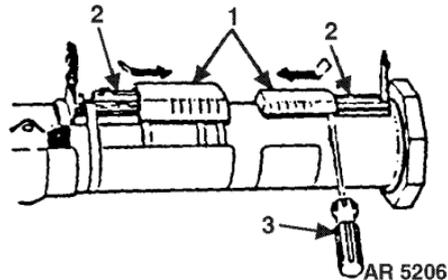
Parts such as sight covers, front and rear sight assembly, transport safety pin and decals may be obtained through cannibalization of expended launchers; they are also interchangeable with parts of M287 Launcher. Transport safety pin must be received either from a locally fired AT4 Launcher or from storage at local ASP.

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.



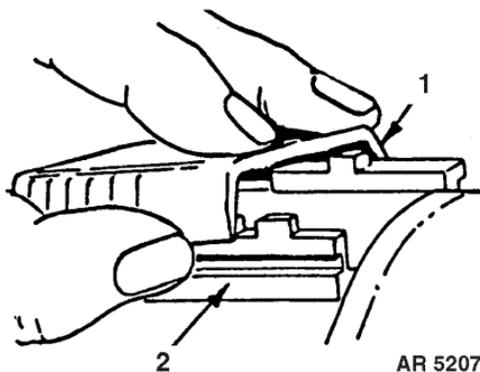
INSTALLATION

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.



AR 5207

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

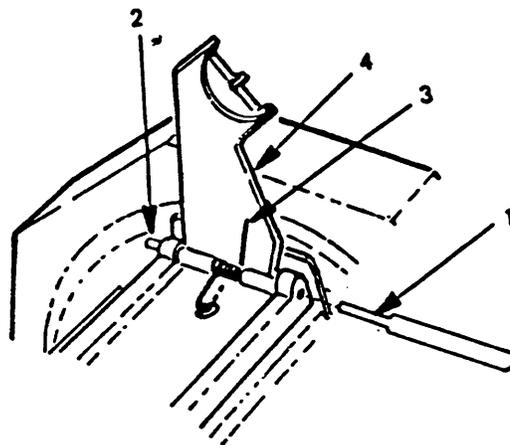
REMOVAL

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.

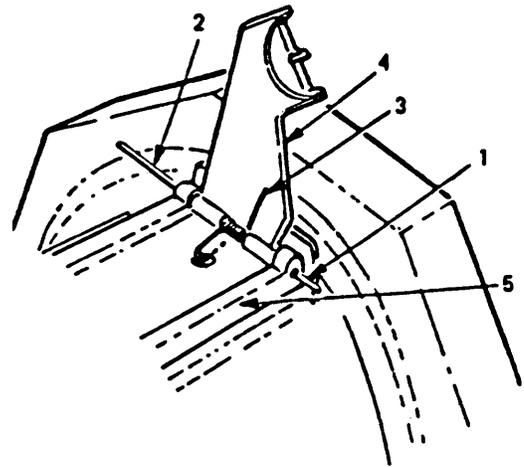
3. Pull hinge pin free.
4. Remove sight blade (4) and spring.



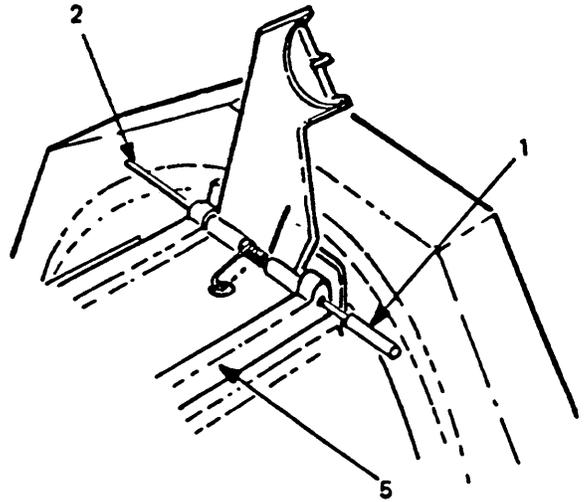
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AR 5208

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.

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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

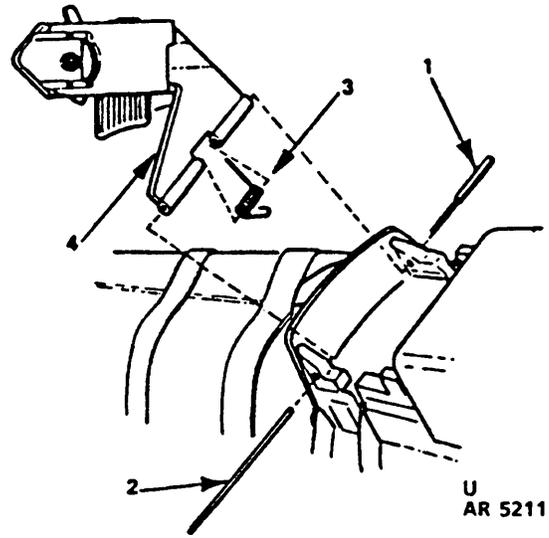
REMOVAL

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.



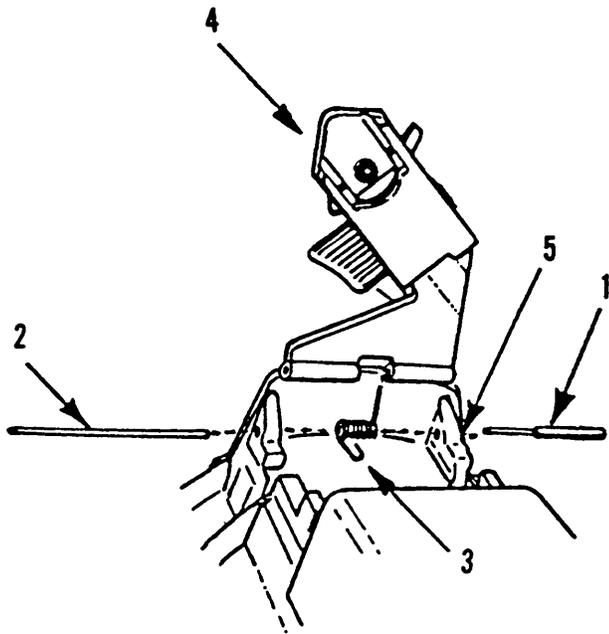
INSTALLATION

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.

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AR 5212**



CAUTION

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

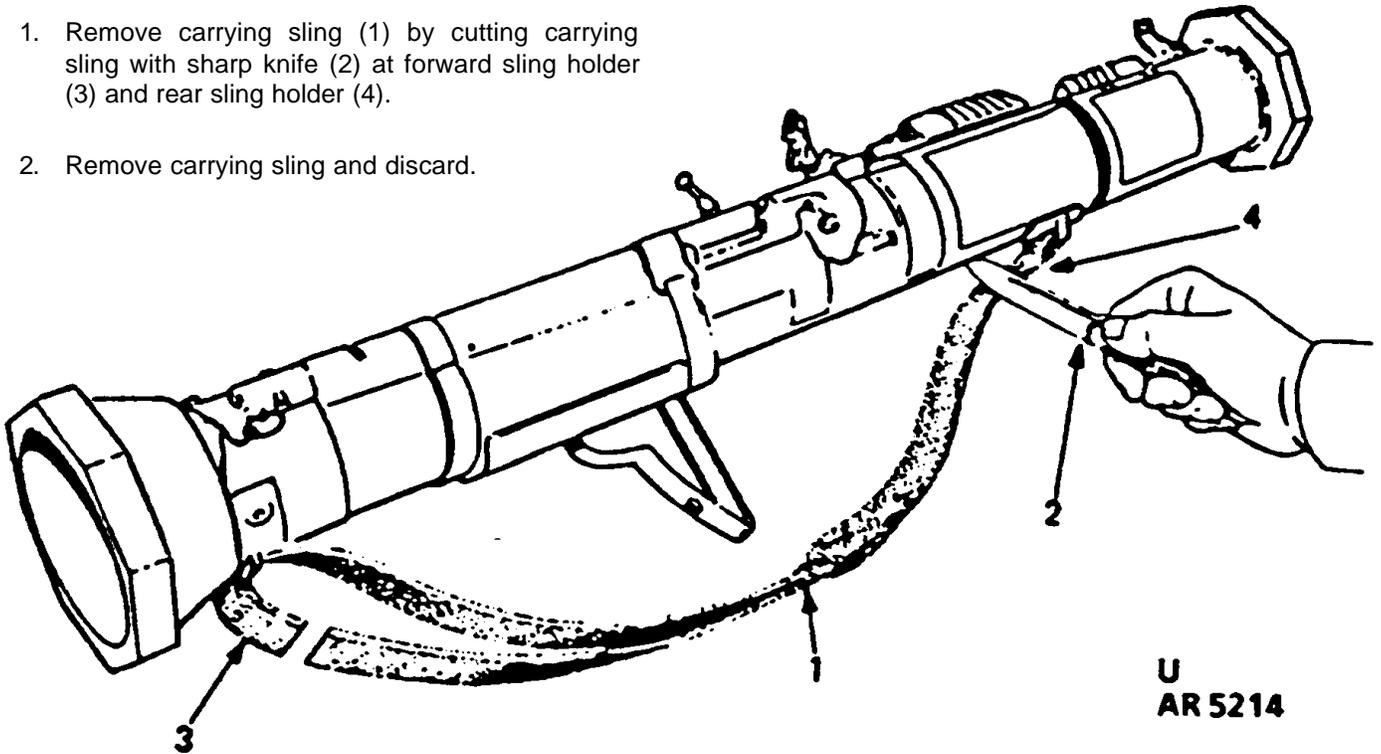
6. Fold rear sight down and hold in place.
7. Slide rear cover closed.

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4-5. REPLACEMENT OF CARRYING SLING

REMOVAL

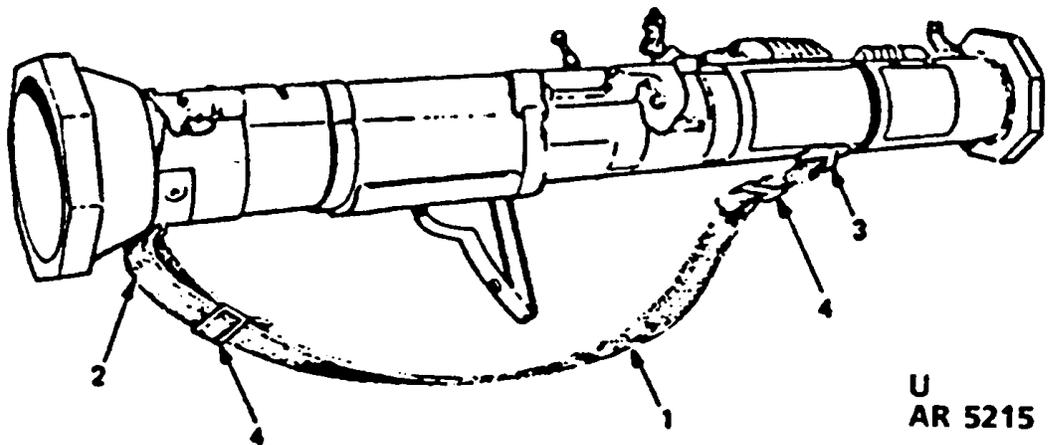
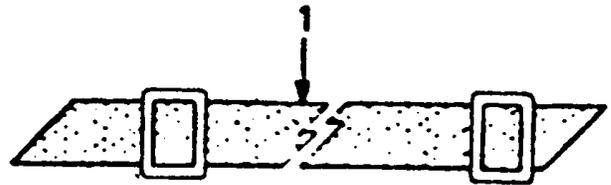
1. Remove carrying sling (1) by cutting carrying sling with sharp knife (2) at forward sling holder (3) and rear sling holder (4).
2. Remove carrying sling and discard.



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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.



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AR 5215**

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

Department of the Army Information Security Program.....	AR 380-5
Laser Guidance System Security Classification Guide.....	AR 380-6
Policy for Safeguarding and Controlling Communications Security.....	AR 380-40
Accident Reporting and Records	AR 385-40
Range Safety	AR 385-63
Fire and Emergency Services	AR 420-90
Reporting of Supply Discrepancies.....	AR 735-11-2
Malfunctions Involving Ammunitions and Explosives	AR 75-1
Army Material Maintenance Policy	AR 750-1

Security of Arms	DOD 5100-76M
Hearing Conservaton Program	DA PAM 40-501
Functional Users Manual for the Army Maintenance Management System (TAMMS).....	DA PAM 738-750

2. BLANKS FORM

Fire Reports	DA Form 5-2
U.S. Army Accident Report.....	DA Form 285
Recommended Changes to Publications	DA Form 2028
Ammunition Malfunction Report Installation	DA Form 4379
Quality Deficiency Report	SF 368

3. TECHNICAL MANUALS

Military Explosives	TM 9-1300-214
Operator's and Unit Maintenance Manual (Including Repair Parts and Specual Tools List): Demolition Materials.....	TM 9-1375-213-12

TM 9-1315-886-12

Ammunition, General.....	TM 9-1300-200
Department of Defense Small Arms Serialization Program (DODSASP).....	TM 9-1300-200

4. FIELD MANUALS

Light AntiArmy Weapons	FM 3-23.25
Explosives and Demolitions	FM 5-250

APPENDIX B

MAINTENANCE ALLOCATION CHART (MAC)

SECTION I INTRODUCTION

B.1 THE ARMY MAINTENANCE SYSTEM MAC.

B.1.1 This introduction provides a general explanation of all maintenance and repair functions authorized at the two maintenance levels under the Two-Level Maintenance System concept.

B.1.2 The MAC designates overall authority and responsibility for the performance of maintenance functions on the identified end item or component. The application of the maintenance functions to the end item or component shall be consistent with the capacities and capabilities of the designated maintenance levels, which are shown on the MAC in column (4) as:

Field - includes three subcolumns, Crew (C), Service (O), and Field (F) maintenance.

Sustainment - includes two subcolumns, Below Depot (H) and Depot (D) maintenance.

B.1.3 The tools and test equipment requirements (immediately following the MAC) list the tools and test equipment (both special tools and common tool sets) required for each maintenance function as referenced from the MAC.

B.1.4 The remarks (immediately following the tools and test equipment requirements) contain supplemental instructions and explanatory notes for a particular maintenance function.

B-0 Change 6

B.2 MAINTENANCE FUNCTIONS.

Maintenance functions are limited to and defined as follows:

B.2.1 Inspect. To determine the serviceability of an item by comparing its physical, mechanical, and/or electrical characteristics with established standards through examination (e.g., by sight, sound, or feel). This includes scheduled inspection and gagings and evaluation of cannon tubes.

B.2.2 Test. To verify serviceability by measuring the mechanical, pneumatic, hydraulic, or electrical characteristics of an item and comparing those characteristics with prescribed standards on a scheduled basis, i.e., load testing of lift devices and hydrostatic testing of pressure hoses.

B.2.3 Service. Operations required periodically to keep an item in proper operating condition; e.g., to clean (includes decontaminate, when required), to preserve, to drain, to paint, or to replenish fuel, lubricants, chemical fluids, or gases. This includes scheduled exercising and purging of recoil mechanisms.

B.2.4 Adjust. To maintain or regulate, within prescribed limits, by bringing into proper position, or by setting the operating characteristics to specified parameters.

B.2.5 Align. To adjust specified variable elements of an item to bring about optimum or desired performance.

B.2.6 Calibrate. To determine and cause corrections to be made or to be adjusted on instruments of test, measuring, and diagnostic equipment used in precision measurement. Consists of comparisons 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.

B.2.7 Remove/Install. To remove and install the same item when required to perform service or other maintenance functions. Install may be the act of emplacing, seating, or fixing into position a spare, repair part, or module (component or assembly) in a manner to allow the proper functioning of an equipment or system.

B.2.8 Replace. To remove an unserviceable item and install a serviceable counterpart in its place. “Replace” is authorized by the MAC and assigned maintenance level is shown as the third position code of the Source, Maintenance and Recoverability (SMR) code.

B.2.9 Repair. The application of maintenance services, including fault location/troubleshooting, removal/installation, disassembly/assembly procedures, and maintenance actions to identify troubles and 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.

NOTE

The following definitions are applicable to the “repair” maintenance function:

Services - Inspect, test, service, adjust, align, calibrate, and/or replace.

Fault location/troubleshooting - The process of investigating and detecting the cause of equipment malfunctioning; the act of isolating a fault within a system or Unit Under Test (UUT).

Disassembly/assembly - The step-by-step breakdown (taking apart) of a spare/functional group coded item to the level of its least component, that is assigned as SMR code for the level of maintenance under consideration (i.e., identified as maintenance significant).

Actions - Welding, grinding, riveting, straightening, facing, machining, and/or resurfacing.

B.2.10 Overhaul. That maintenance effort (service/action) prescribed to restore an item to a completely serviceable/operational condition as required by maintenance standards 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.

B.2.11 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 materiel maintenance applied to Army equipment. The rebuild operation includes the act of returning to zero those age measurements (e.g., hours/miles) considered in classifying Army equipment/components.

B.3 EXPLANATION OF COLUMNS IN THE MAC.

B.3.1 Column (1) - Group Number. Column (1) lists Functional Group Code (FGC) numbers, the purpose of which is to identify maintenance significant components, assemblies, subassemblies, and modules with the Next Higher Assembly (NHA).

B.3.2 Column (2) - Component/Assembly. Column (2) contains the item names of components, assemblies, subassemblies, and modules for which maintenance is authorized.

B.3.3 Column (3) - Maintenance Function. Column (3) lists the functions to be performed on the item listed in column (2). (For a detailed explanation of these functions refer to “Maintenance Functions” outlined above.)

B.3.4 Column (4) - Maintenance Level. Column (4) specifies each level of maintenance authorized to perform each function listed in column (3), by indicating work time required (expressed as manhours in whole hours or decimals) in the appropriate subcolumn. This work time figure represents the active time required to perform that maintenance function at the indicated level of maintenance. If the number or complexity of the tasks within the listed maintenance function varies at different maintenance levels, appropriate work time figures are to be shown for each

level. 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 operating conditions. This time includes preparation time (including any necessary disassembly/assembly time), troubleshooting/fault location time, and quality assurance time in addition to the time required to perform the specific tasks identified for the maintenance functions authorized in the MAC. The symbol designations for the various maintenance levels are as follows:

Field:

- C - Crew maintenance
- O - Service maintenance
- F - Field maintenance

Sustainment:

- L - Specialized Repair Activity (SRA)
- H - Below Depot maintenance
- D - Depot maintenance

NOTE

The “L” maintenance level is not included in column (4) of the MAC. Functions to this level of maintenance are identified by a work time figure in the “H” column of column (4), and an associated reference code is used in column (6), Remarks Code. This code is keyed to the remarks and the SRA complete repair application is explained there.

B.3.5 Column (5) - Tools and Equipment Reference Code. Column (5) specifies, by code, those common tool sets (not individual tools), common Test, Measurement and Diagnostic Equipment (TMDE), and special tools, special TMDE and special support equipment required to perform the designated function. Codes are keyed to the entries in the tools and test equipment table.

B-4 Change 6

B.3.6 Column (6) - Remarks Code. When applicable, this column contains a letter code, in alphabetical order, which is keyed to the remarks table entries.

B.4 EXPLANATION OF COLUMNS IN THE TOOLS AND TEST EQUIPMENT REQUIREMENTS.

B.4.1 Tool or Test Equipment Reference Code. The tool or test equipment reference code correlates with a code used in column (5) of the MAC.

B.4.2 Maintenance Level. The lowest level of maintenance authorized to use the tool or test equipment.

B.4.3 Nomenclature. Name or identification of the tool or test equipment.

B.4.4 National Stock Number. The NSN of the tool or test equipment.

B.4.5 Tool Number. The manufacturer's part number, model number, or type number.

B.5 EXPLANATION OF COLUMNS IN THE REMARKS.

B.5.1 Remarks Code. The code recorded in column (6) of the MAC.

SECTION II MAINTENANCE ALLOCATION CHART FOR M136 AT4

Maintenance Allocation Chart for M136 AT4

(1) Group Number	(2) Component/Assembly	(3) Maintenance Function	(4) Maintenance Level					(5) Tools and Equipment Ref Code	(6) Remarks Code
			Field			Sustainment			
			Crew	Service	Field	Below Depot	Depot		
			C	O	F	H	D		
	AT4	Inspect	X					1	A
		Service	X						
		Replace		X					
		Repair		X					
	Sight covers	Inspect	X						
		Replace		X					
	Front sight, hinge pin and spring	Inspect	X						
		Replace		X					

Maintenance Allocation Chart for M136 AT4 - Continued

(1) Group Number	(2) Component/Assembly	(3) Maintenance Function	(4) Maintenance Level					(5) Tools and Equipment Ref Code	(6) Remarks Code
			Field			Sustainment			
			Crew	Service	Field	Below Depot	Depot		
			C	O	F	H	D		
	Rear sight, hinge pin and spring	Inspect Replace	X	X					
	Transport safety pin	Inspect Replace	X	X					
	Decals	Inspect Replace	X	X					
	Carrying sling	Inspect Replace	X	X					

SECTION III TOOLS AND TEST EQUIPMENT FOR M136 AT4

Tools and Test Equipment for M136 AT4

Tool or Test Equipment Ref Code	Maintenance Level	Nomenclature	National Stock Number	Tool Number
1	O	Tool Kit, Repairman's, Small Arms:	5180-00-357-7770	

SECTION IV REMARKS FOR M136 AT4

Remarks for M136 AT4

Remarks Code	Remarks
A	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.

APPENDIX C COMPONENTS OF END ITEM AND BASIC ISSUE ITEMS (BII) LISTS

SECTION I INTRODUCTION

C.1 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.

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.

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- 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.

Section II. COMPONENTS OF END ITEM (AT4)

(1) Illus number	National stock number	(3) Description FSCM and part number	(4) U/M	(5) Qty reqd
	1315-01-245-4950*	AT4	EA	5
	1315-01-486-2293	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		Sling Assy

*OCONUS Production

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

Section III. BASIC ISSUE ITEMS

(1) Illus number	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
	1315-01-486-2293	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.

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)."

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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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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)

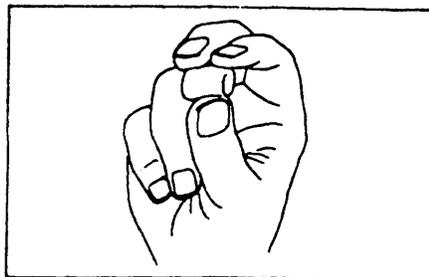
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Section III. INSTRUCTIONS FOR FITTING E-A-R POLYMER FOAM PLUGS

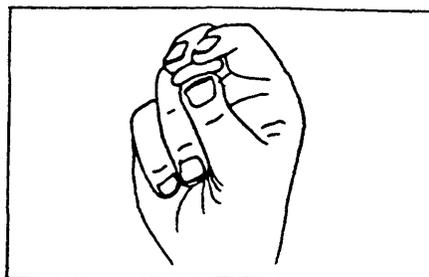
NOTE

- 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

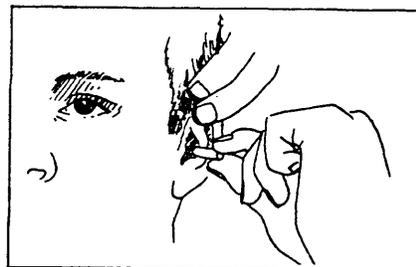


COMPRESSED PLUG

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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.

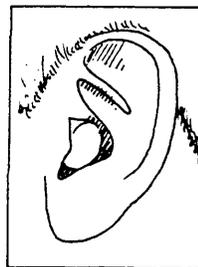
c. With fingertip, hold plug in place until it begins to expand and block noise.



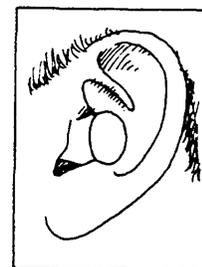
PLUG INSERTION

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

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BY ORDER OF THE SECRETARY OF THE ARMY:

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Brigadier General, United States Army
The Adjutant General

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Chief of Staff

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