

QUALIFY WITH THE AN/PEQ-2A



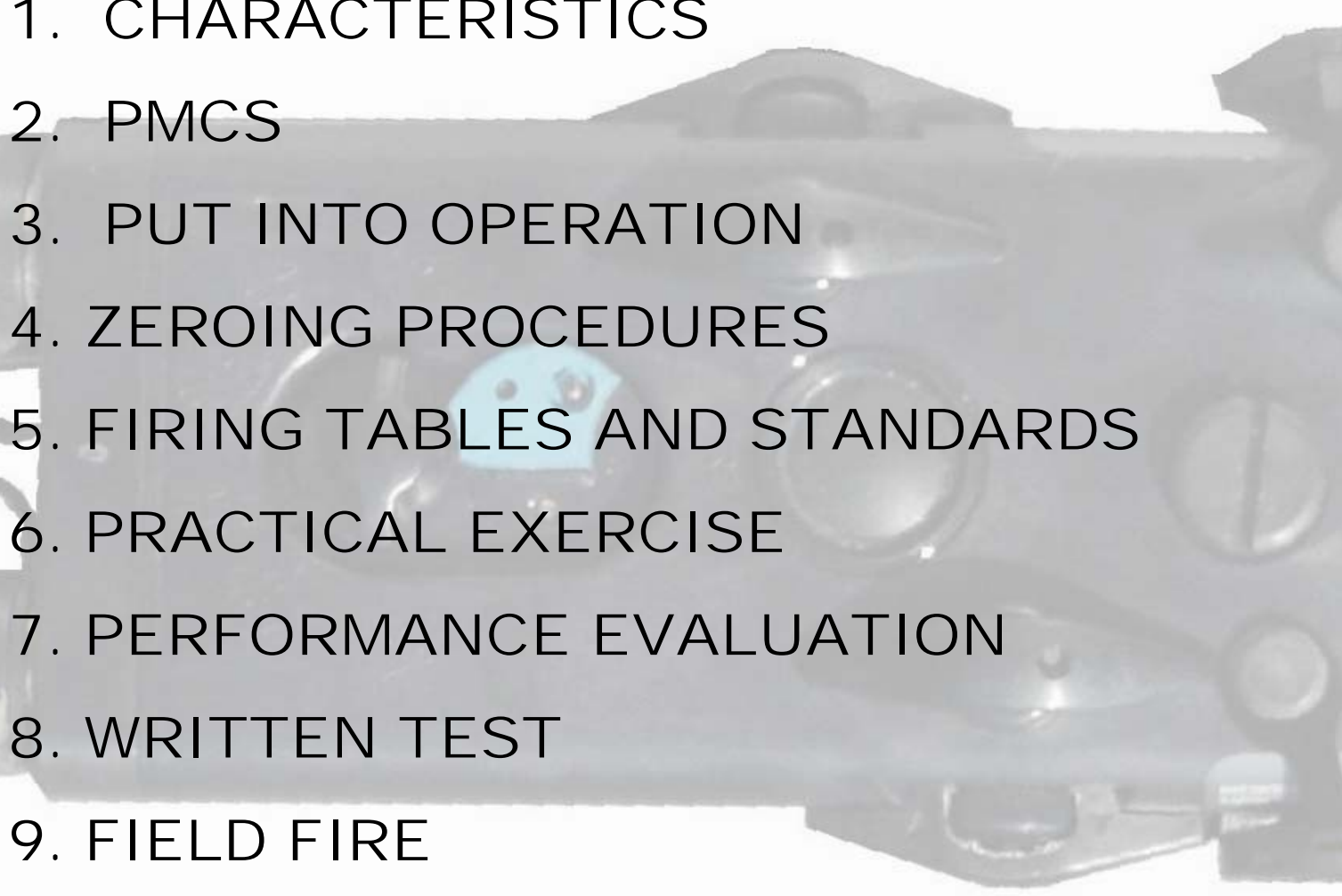
DANGER

INVISIBLE LASER RADIATION - AVOID
DIRECT EXPOSURE TO THE BEAM

BINOS OR REFLECTIVE SURFACES

AN/PEQ-2A

TRAINING OUTLINE

1. CHARACTERISTICS
 2. PMCS
 3. PUT INTO OPERATION
 4. ZEROING PROCEDURES
 5. FIRING TABLES AND STANDARDS
 6. PRACTICAL EXERCISE
 7. PERFORMANCE EVALUATION
 8. WRITTEN TEST
 9. FIELD FIRE
 10. PRACTICE QUAL. AND QUALIFICATION
- 

CHARACTERISTICS



DANGER

25 METER DANGER AREA IN DUAL LO
220 METER DANGER AREA IN TACTICAL MODE

TRAINING MODE "LO" IS EYESAFE
LO mode + magnification = not eye safe

CHARACTERISTICS



POWER LED - GREEN=POWER ON

SAFETY BLOCK - BLACK/BLUE=TNG MODE

MOUNTING SCREW - USE SLOT TO TIGHTEN

BATTERY COMPARTMENTS - 2 - AA

CHARACTERISTICS

ILLUMINATOR FOCUS RING
ILLUMINATOR FILTER



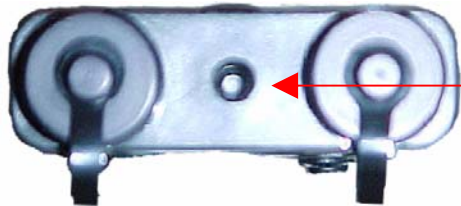
ILLUMINATOR



AIMING POINT

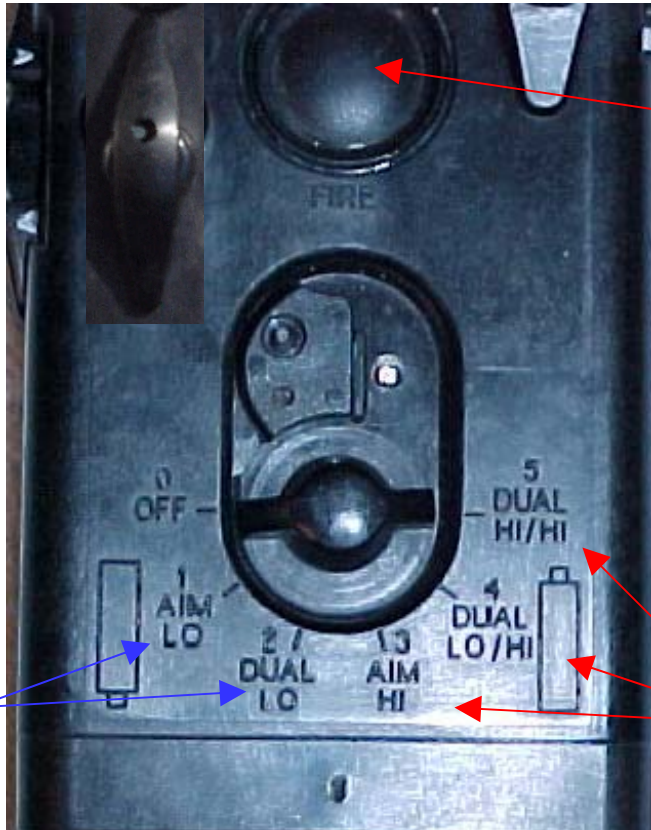
AIMING POINT FILTER

REMOTE



STORAGE PLUG IS NOT RE-USABLE

CHARACTERISTICS



PUSH BUTTON SWITCH

HOLD = ON

DOUBLE TAP = CONTINUOUS ON
TAP AGAIN TO TURN OFF

MODE SELECTOR MUST BE ON TO ACTIVATE PUSH BUTTON SWITCH

TRAINING MODES

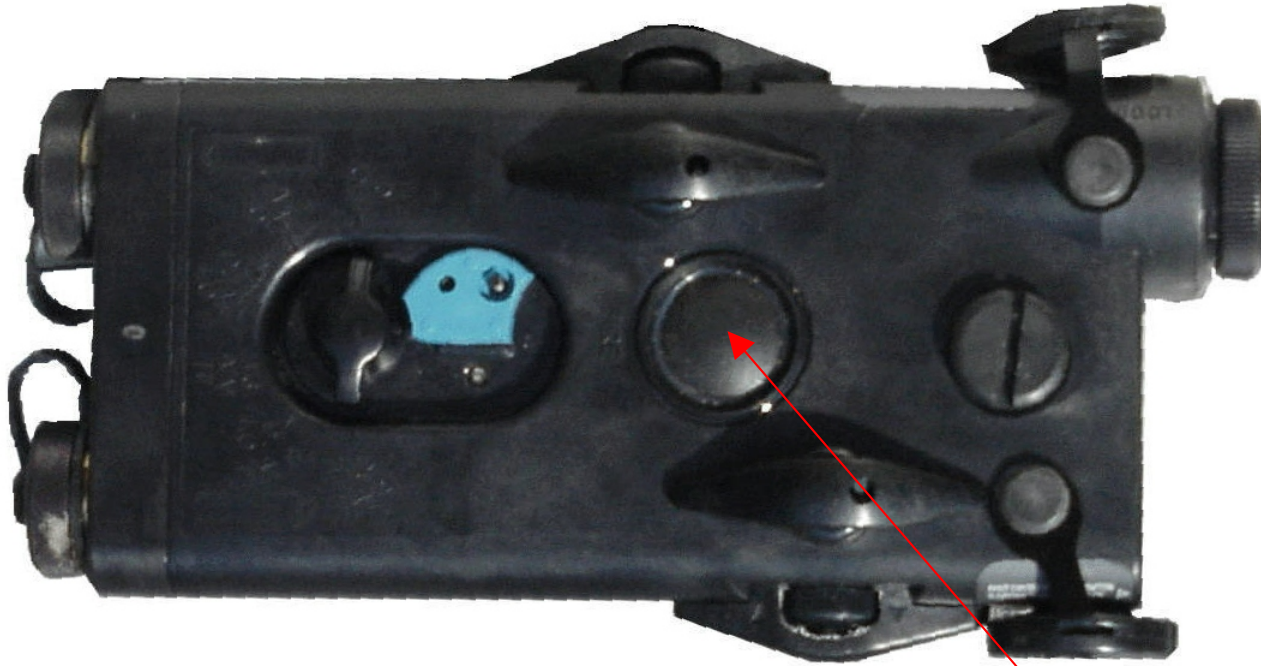
TACTICAL MODES

NEAR TARGETS

FAR TARGETS OR IN
BRIGHT IR LIGHT

Remote works in same manner as push button switch

CHARACTERISTICS



PUSH BUTTON SWITCH

INSERT BATTERIES AND ACTIVATE

CHARACTERISTICS



- 0 = Off
- 1. = Aim LO
- 2. = Dual LO
- 3. = Aim HI
- 4. = Dual LO/HI
- 5. = Dual HI/HI

Eye safe

Not eye safe



Tactical Mode
Black

Training Mode
Blue

2 - Eye safe beyond 25m
3-5 eye safe beyond 220m

#1 When used with bino's, glasses, 3x extender or any other magnification is not eye safe

CHARACTERISTICS

ALL ADJUSTERS: 1 CLICK = 1 cm AT 25 METERS

AIMING POINT ADJUSTERS

ILLUMINATOR ADJUSTERS

MECH ZERO = FULL CW, BACK 5.5 TURNS

DO NOT OVER TURN ADJUSTERS

TOP = ELEVATION

SIDE = WINDAGE



CW TO STOP
5.5 TURNS CCW
FRONT FLANGE

CHARACTERISTICS

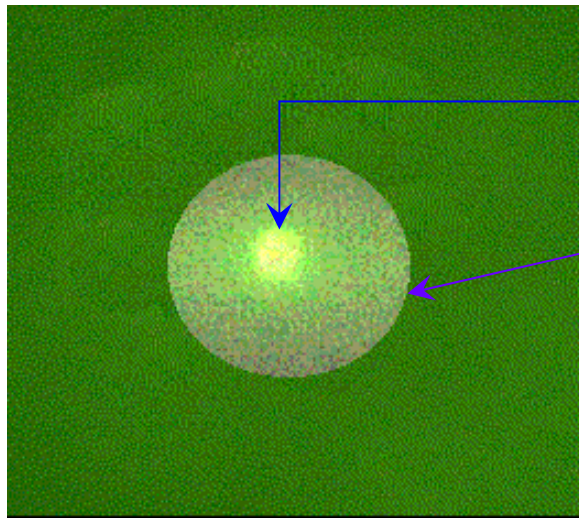
Left side mounted UP/LEFT = CW



Top side mounted UP/RIGHT = CW

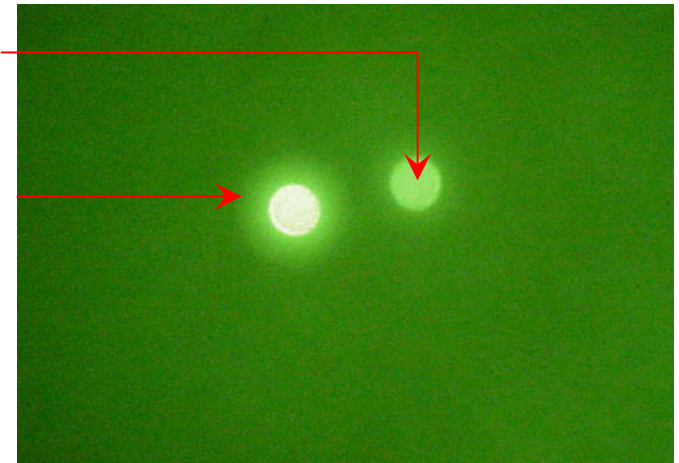
CHARACTERISTICS

ZEROED ← ILLUMINATOR → UNZEROED



AIMING POINT

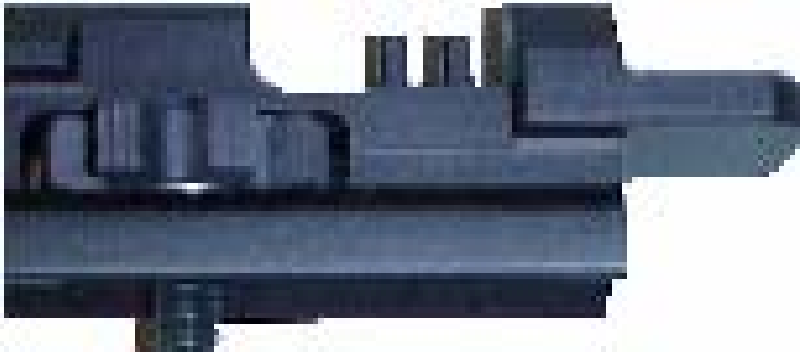
ILLUMINATOR



AIMING POINT FILTER - SMALLER & REFINED
ILLUMINATOR FILTER - EXPANDS & DISPERSES

WARNING: SIGNATURE INCREASED WITH NVD'S
IN SMOKE, RAIN AND FOG
ZERO YOUR ILLUMINATORS

CHARACTERISTICS



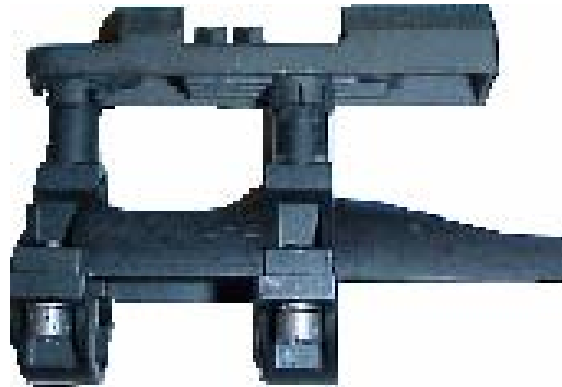
MILES ADAPTER



20" REMOTE



12" REMOTE



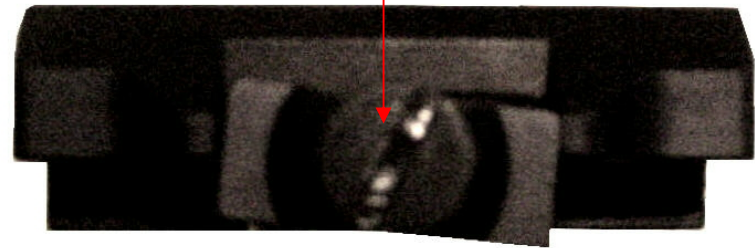
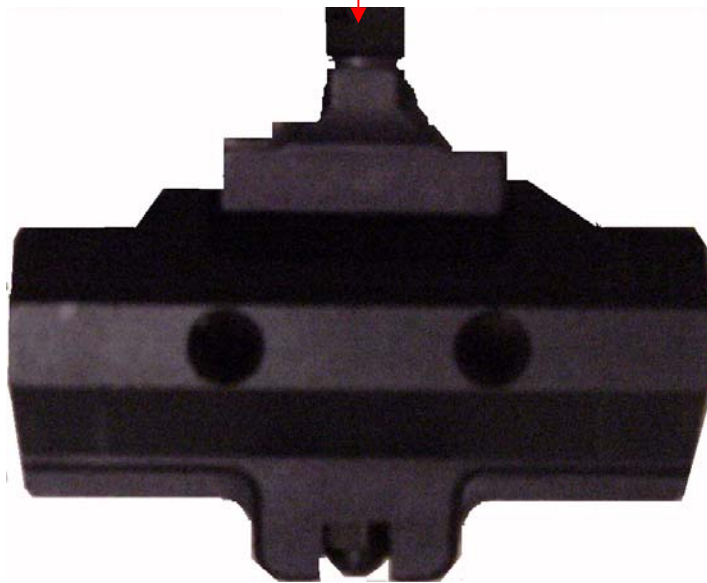
BRACKET ASSEMBLY



RETAINER STRAP

CHARACTERISTICS

Insight Rail Grabber



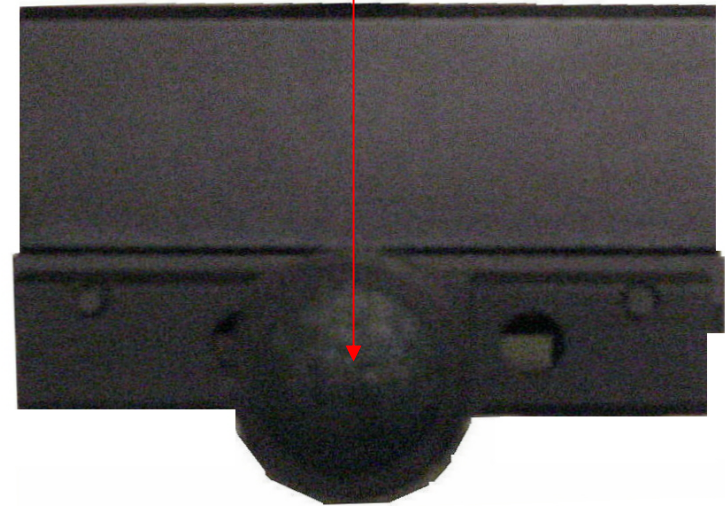
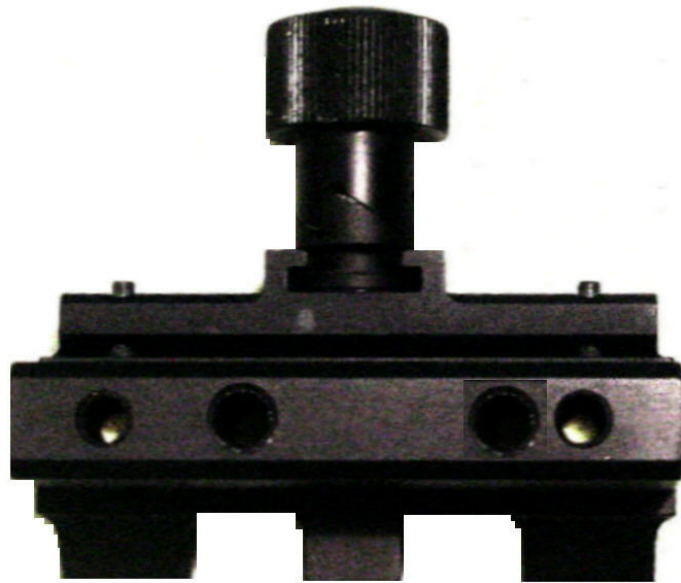
You must use the slot to tighten the rail grabber

Tighten during initial mounting

Retighten after the first 3 round shot group

CHARACTERISTICS

Picatinny Rail Grabber



You must double click the rail grabber

Tighten during initial mounting

Retighten after the first 3 round shot group

PMCS on the AN/PEQ-2A

Dirt - Remove any loose dirt and wipe off outer case

Damage - Broken casing or Broken lens

Moisture - look through lenses for condensation or wetness

Inspect battery caps:

Caps present

Threads clear

O-rings present

Battery fresh



O-rings waterproof the PEQ-2A

Ensure lens caps are not cracked or missing



PMCS

TROUBLE SHOOTING

1. PUSHED ACTIVATOR SWITCH, WON'T COME ON
2. TURNED ON SELECTOR SWITCH WON'T COME ON
3. AN/PEQ-2A WON'T STAY ON CONTINUOUSLY
4. TOO MUCH BLOOMING ON ZERO TARGET
5. AIMING LIGHT TOO DIM DOWN RANGE
6. ILLUMINATOR IS NOT ON
7. YOU CAN SEE TWO AIMING POINTS DOWN RANGE
8. IN DUAL LO YOU CAN'T FIND THE ILLUMINATOR
9. ILLUMINATOR DOESN'T ILLUMINATE AIMING POINT
10. IN DUAL LO YOU GET TWO AIMING POINTS

~~3.1 YOU CAN'T FIND THE ILLUMINATOR IN DUAL LO~~

OR

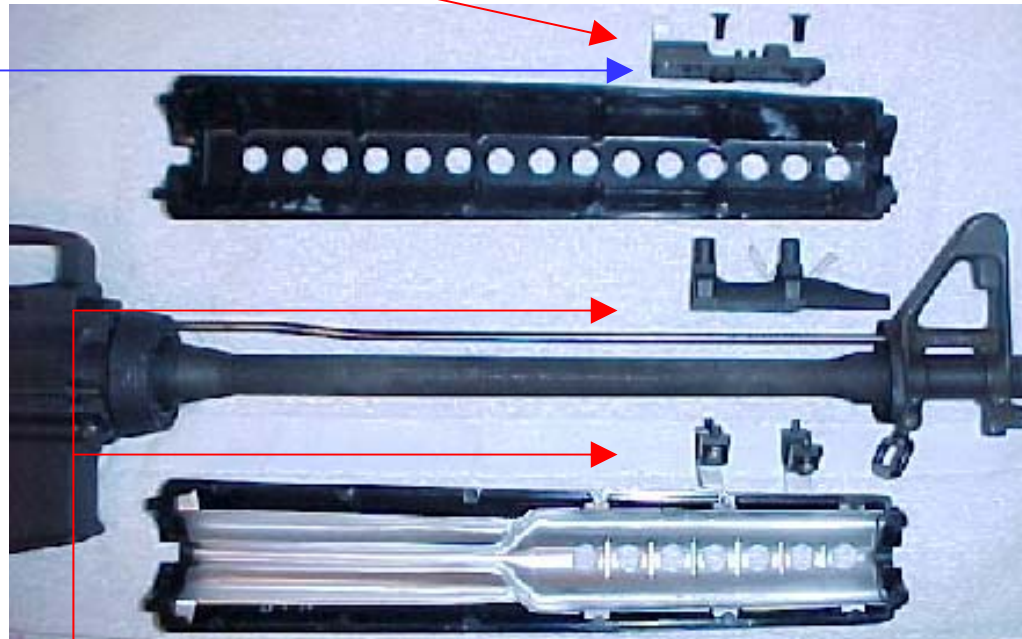
REDUCE THE ILLUMINATOR SIZE

AN/PEQ-2A into Operation

M16A1/A2 and M4Carbine M16A4/Modular Weapon System

USE SLOT TO TIGHTEN

MOUNTING RAIL



BRACKET ASSEMBLY

NOTE: Upper heat shield must be modified by D.S.
Tighten screw nearest front sight first

AN/PEQ-2A into Operation

M16A4 and Modular Weapon System

Use slot to tighten

or

Tighten 2 clicks

Zero Retention

Must use the same slot

Rail Grabber & Rail only

Note Locking bar position

If you remove the PEQ-2A from rail grabber
you will not retain zero

Top or left mount

Remove heat shield

Push in on detent and slide off adapter rail



SAW WITH IFTC

OPERATION 249



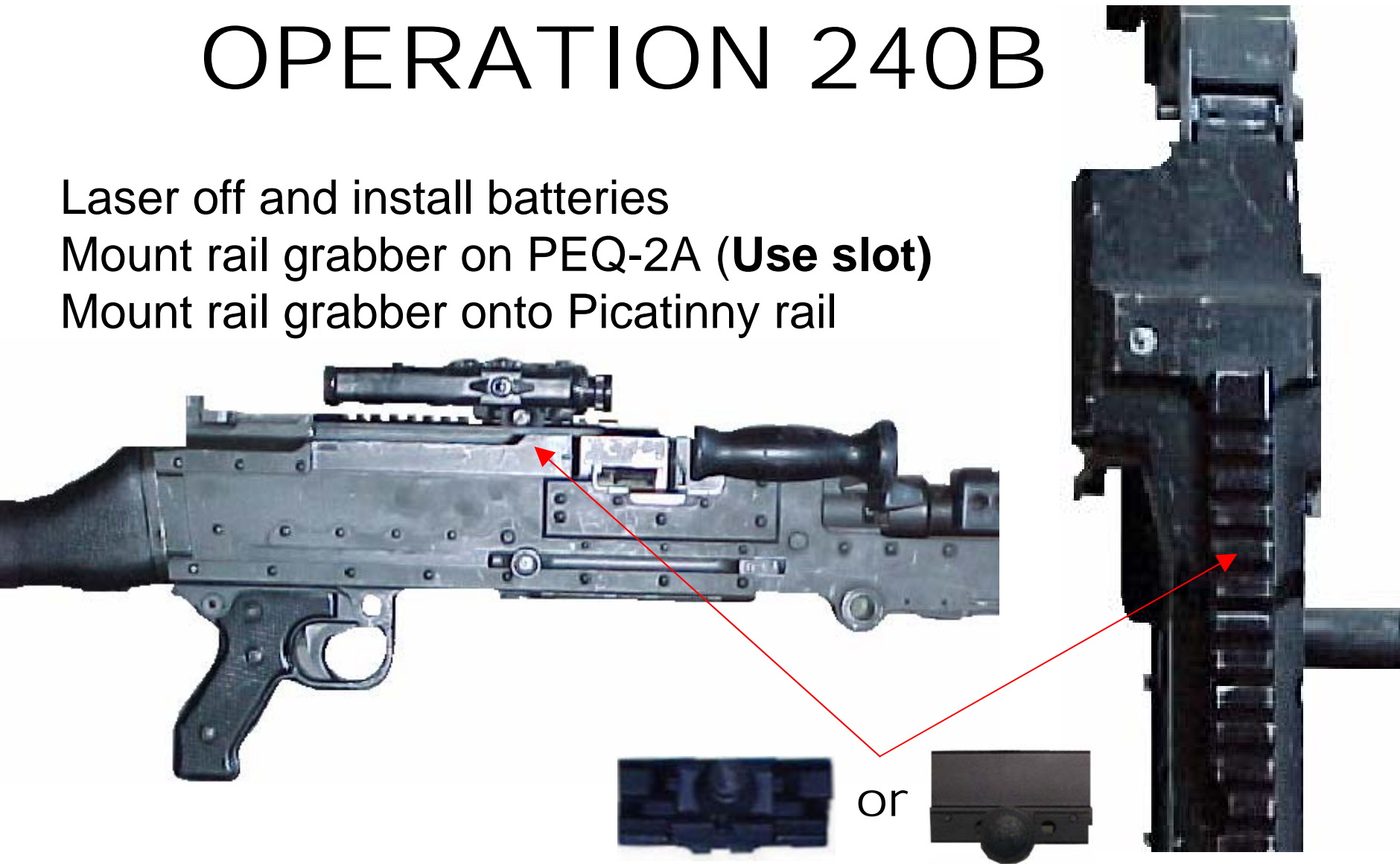
Units without TWS will use PVS-4 mount w/ spacer
New M-249s will come with the new feed tray cover

OPERATION 240B

Laser off and install batteries

Mount rail grabber on PEQ-2A (**Use slot**)

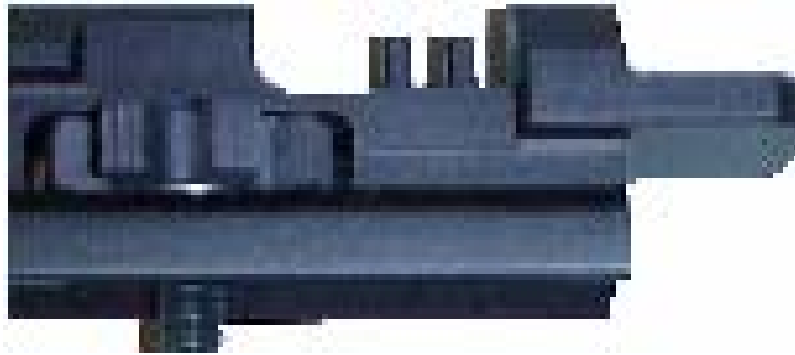
Mount rail grabber onto Picatinny rail



**NOTE: TIGHTEN RAIL GRABBER UNTIL IT CLICKS TWICE
OR USE SLOT TO TIGHTEN**

OPERATION

M16/M4 ADAPTER



MILES ADAPTER



Insight Rail Grabber only

ZERO THE AN/PEQ-2A at 25M WINDAGE & ELEVATION

1 CLICK ON ALL
ADJUSTERS=1 cm AT 25M

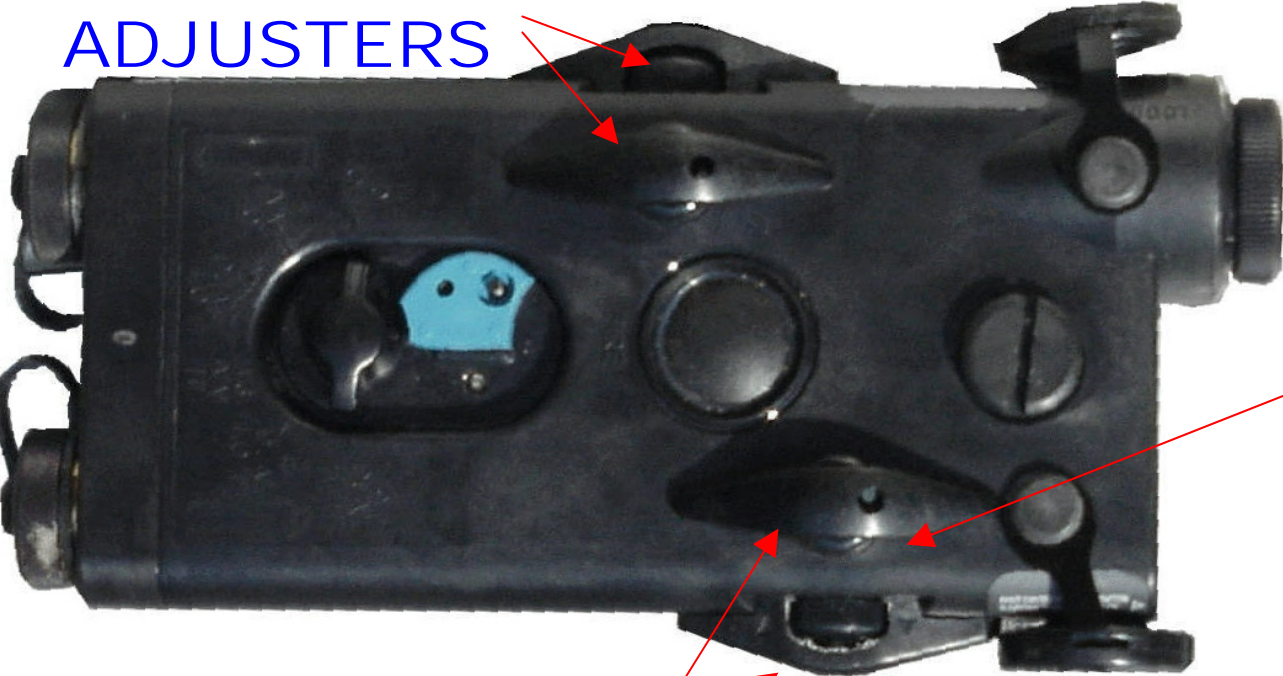
TOP=ELEVATION
SIDE=WINDAGE

ILLUMINATOR
ADJUSTERS

TOP MOUNTED
CW = UP/RIGHT

LEFT MOUNTED
CW = UP/LEFT

AIMING POINT
ADJUSTERS



STORAGE CONFIGURATION

RETURN AN/PEQ-2A

Remove Batteries

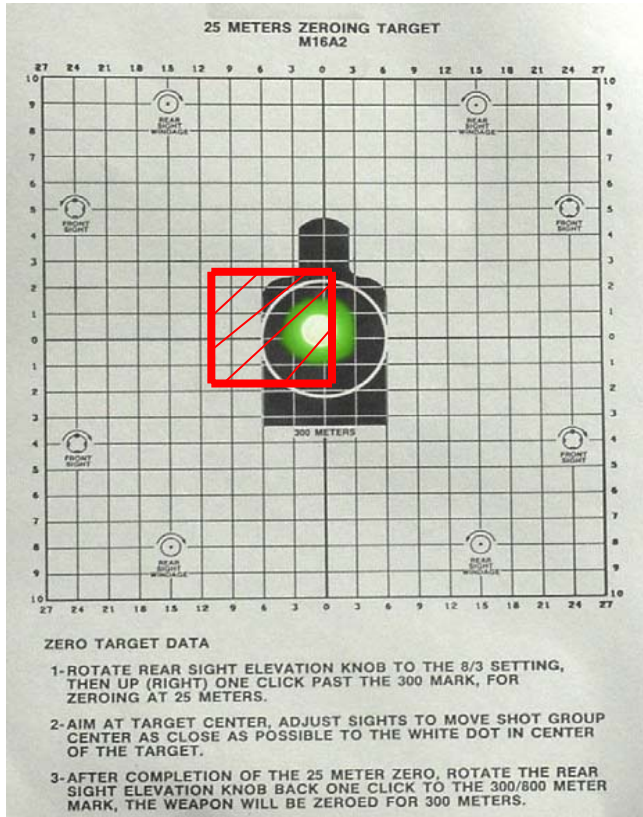
Rail Grabber tightened

Put all of the accessories back into the bag

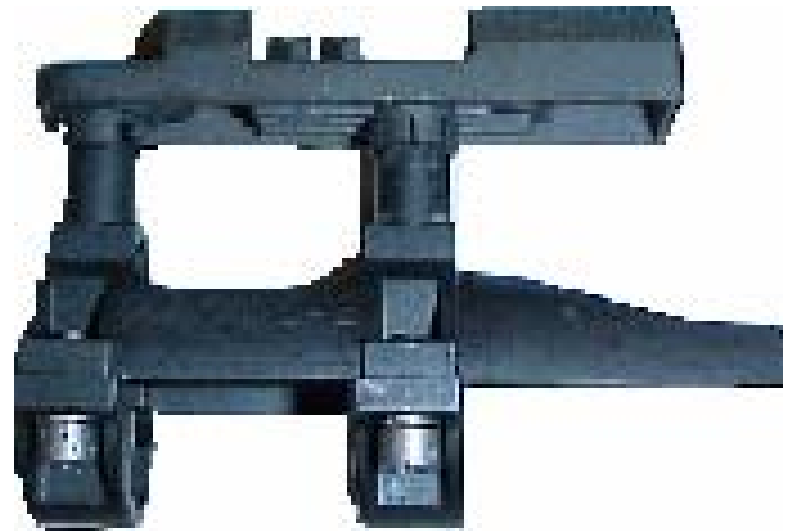
Remove filters from illuminator and aiming point

Return AN/PEQ-2A back into bag

ZERO PROCEDURES M16A1/2 AND M4 CARBINE



INSIGHT



TOP

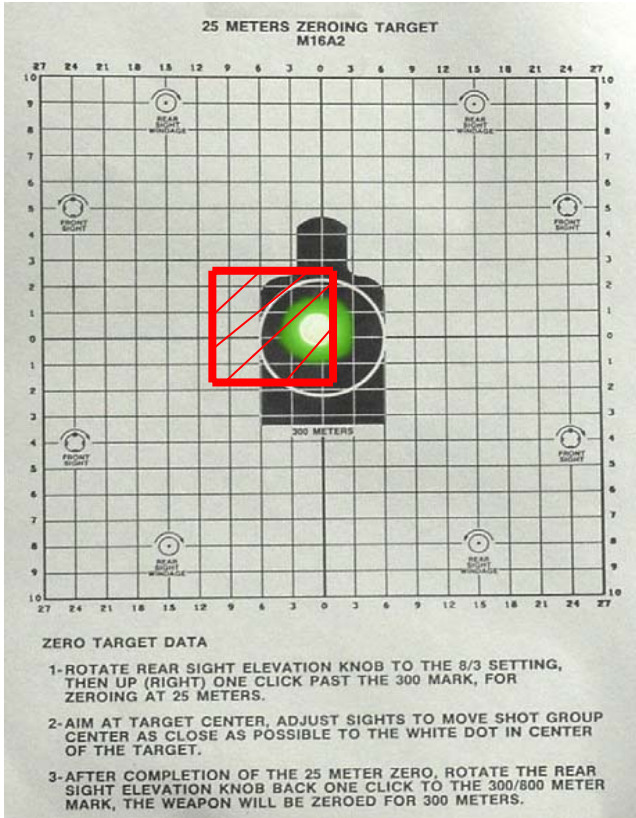
UP .5 LEFT 1.5

NOTE: RETIGHTEN PEQ-2A AFTER INITIAL 3 ROUND SHOT GROUP

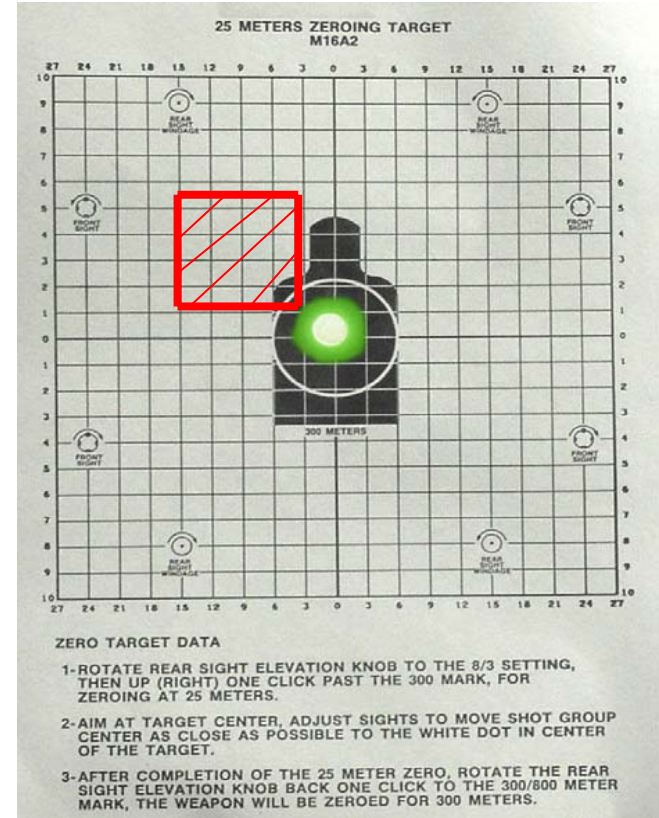
ZERO PROCEDURES

M16A4 and M4 MWS

INSIGHT



TOP
UP .5 LEFT 1.5



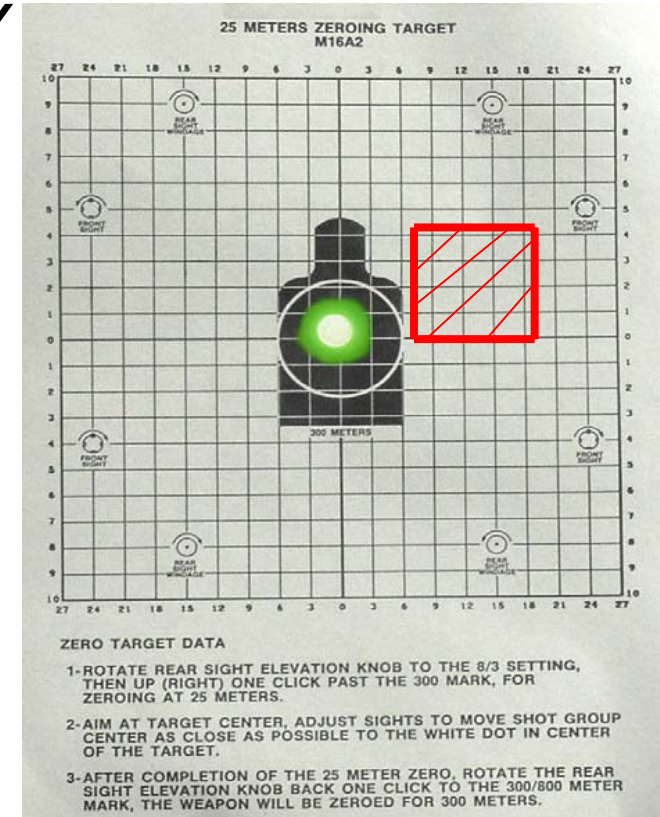
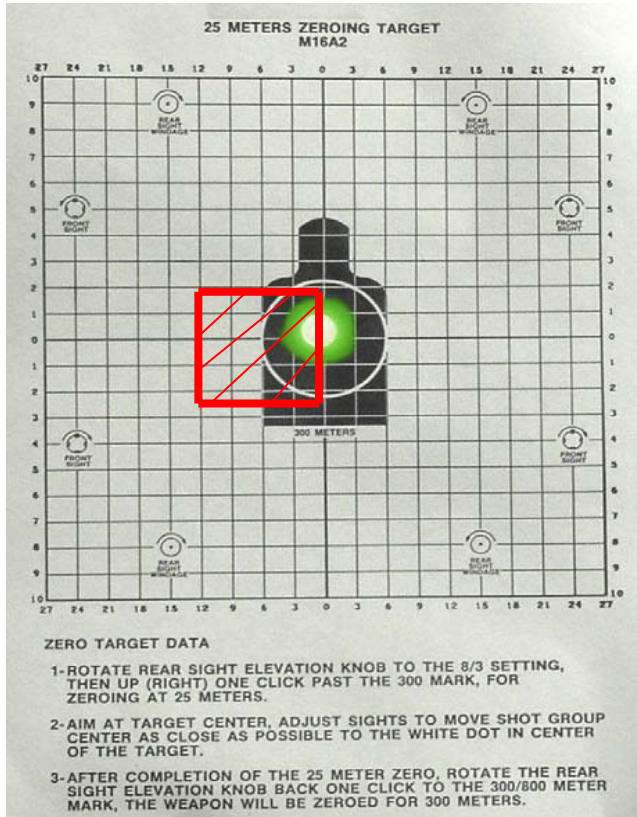
LEFT
UP 3 RIGHT 3

NOTE: RETIGHTEN AFTER INITIAL 3 ROUND SHOT GROUP

ZERO PROCEDURES

M16A4 and M4 MWS

PICATINNY



TOP

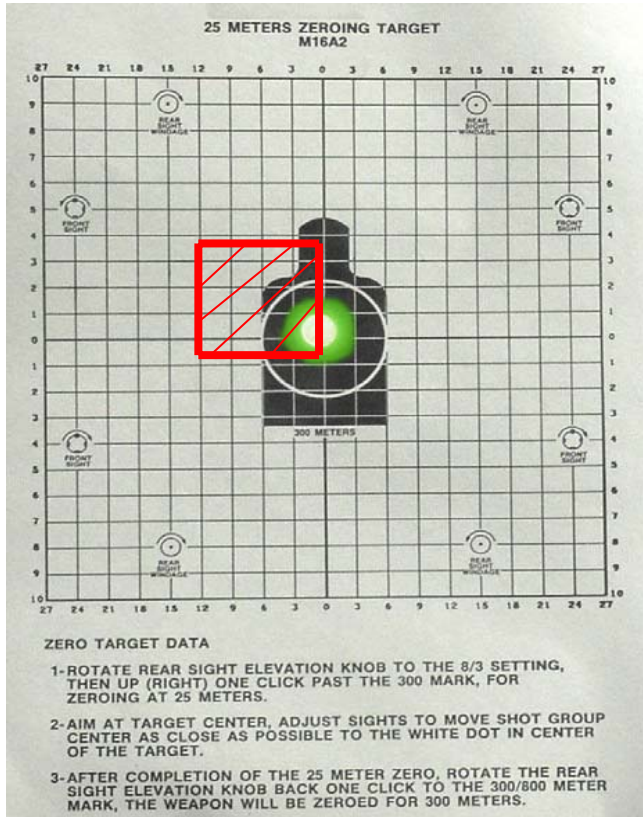
DOWN .5 LEFT 2

LEFT

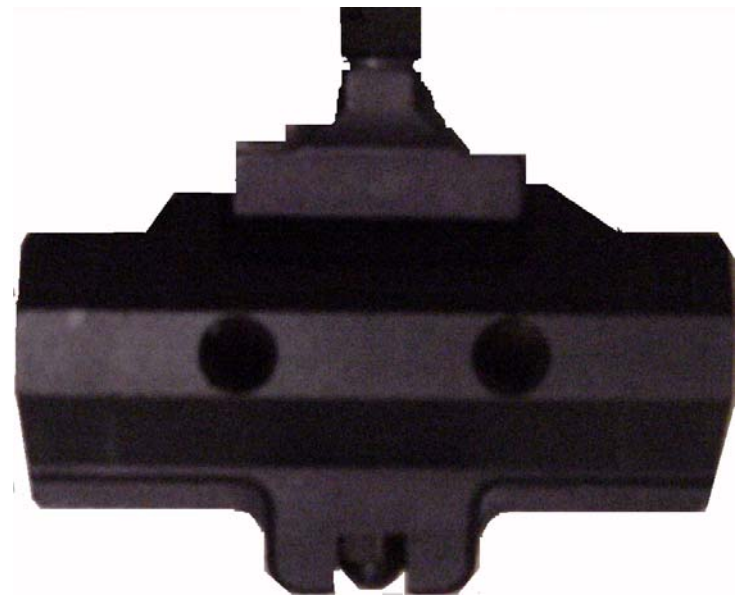
UP 2 RIGHT 4.5

NOTE: RETIGHTEN AFTER INITIAL 3 ROUND SHOT GROUP

ZERO PROCEDURES M249



INSIGHT

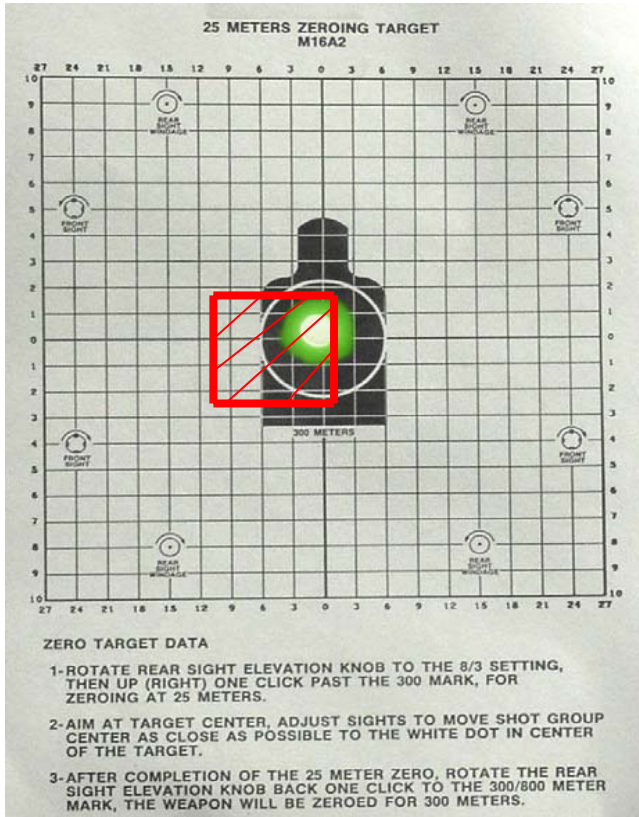


TOP
UP 1.5 LEFT 2

NOTE: RETIGHTEN AFTER INITIAL 3 ROUND SHOT GROUP

ZERO PROCEDURES M249

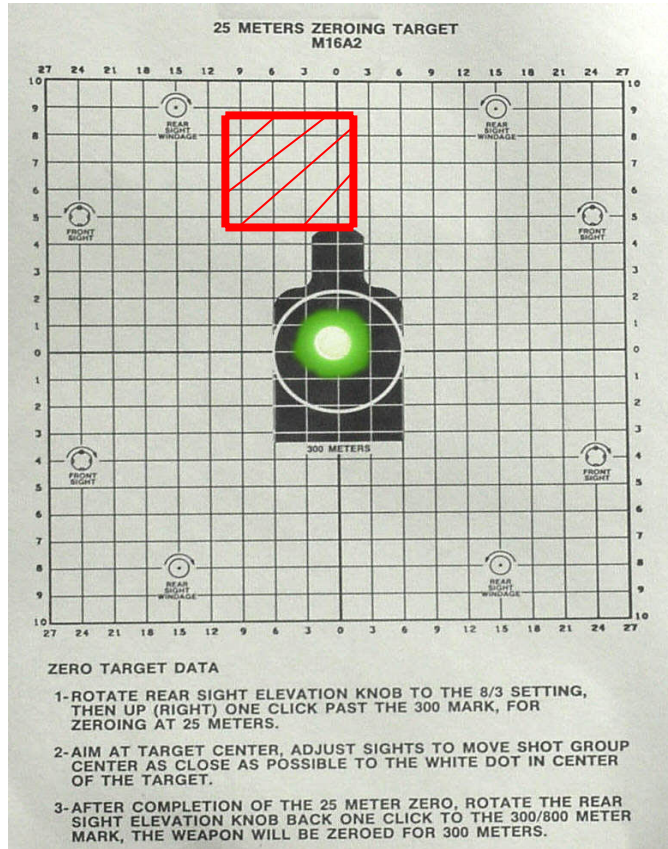
PICATINNY



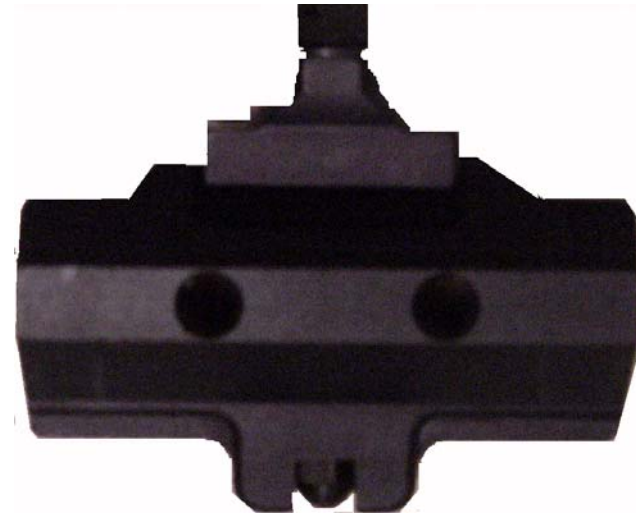
TOP
DOWN .5 LEFT 1.5

NOTE: RETIGHTEN AFTER INITIAL 3 ROUND SHOT GROUP

ZERO PROCEDURES M240



INSIGHT

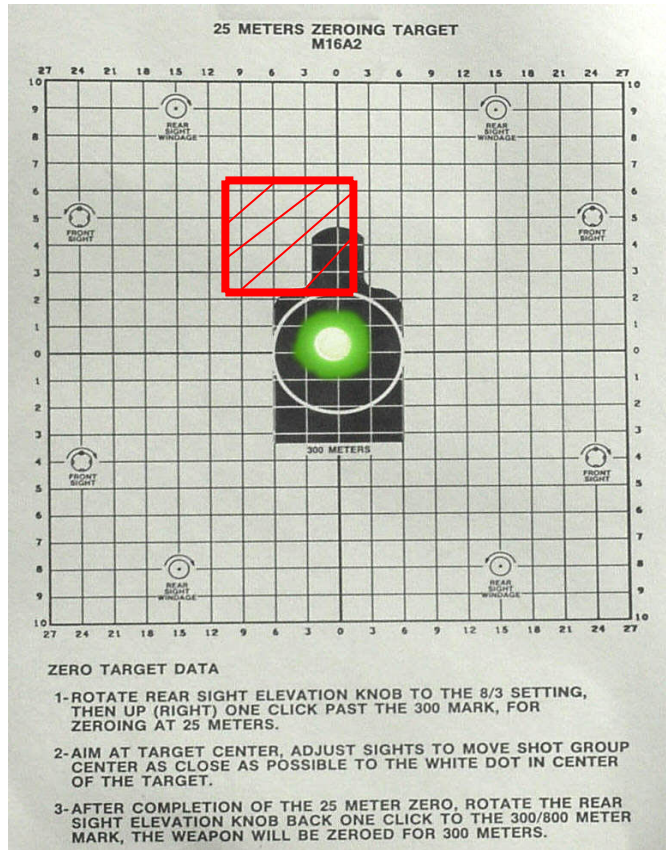


TOP

UP 6.5 LEFT 1.5

NOTE: RETIGHTEN AFTER INITIAL 3 ROUND SHOT GROUP

ZERO PROCEDURES M240



PICATINNY



TOP
UP 4.5 LEFT 1.5

NOTE: RETIGHTEN AFTER INITIAL 3 ROUND SHOT GROUP

ZEROING PROCEDURES

ADJUSTERS

AIMING POINT

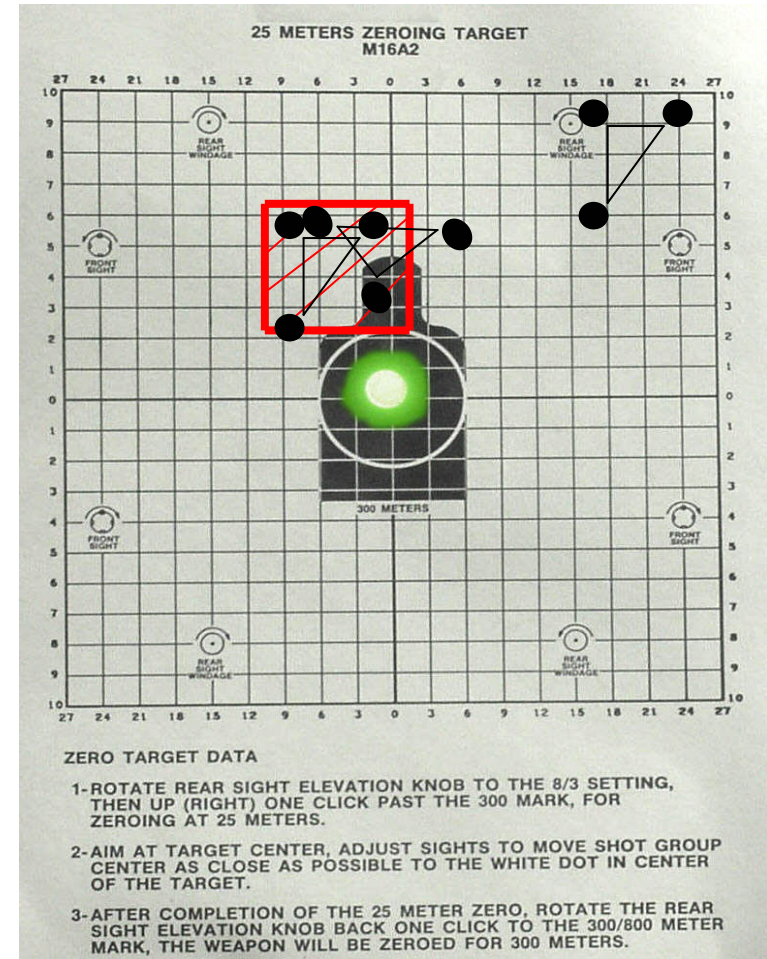
ELEVATION 1=1cm@25 METERS

WINDAGE 1=1cm @25 METERS

ILLUMINATOR

ELEVATION 1=1cm@25 METERS

WINDAGE 1=1cm @25 METERS



Note: Field zero the illuminator

Don't field zero aiming point

ALL WEAPONS

25 METER ZERO PROCEDURES ALL WEAPONS

1. PUT AN/PEQ-2A INTO THE LO MODE WITH FILTER (ONLY)
2. RETIGHTEN RAIL GRABBER
3. FIRE A THREE ROUND SHOT GROUP (ALL WEAPONS)
4. TURN OFF LASER
5. INSPECT TARGET
6. MAKE NECESSARY ADJUSTMENTS

NOTE: RETIGHTEN AFTER THE FIRST SHOT GROUP FIRED

REPEAT 1-6 UNTIL 5 / 6 ARE WITHIN THE 4 CM SQUARE (M4/16)

REPEAT 1-6 UNTIL 5/12 ARE WITHIN THE 4 CM SQUARE (M249)

REPEAT 1-6 UNTIL 5/12 ARE WITHIN THE 4 CM SQUARE (M240)

Engage Targets with the AN/PEQ-2A



SCANNING
IR DISCIPLINE

WALKING

EQUIPMENT AND POSITION



Engage Targets with the AN/PEQ-2A

FOUR FUNDAMENTALS:

1. STEADY POSITION:

M16A1/2/4, M4 AND MWS:

NO MORE CHEEK TO STOCKWELL

M249/240B

POSITION TO CONTROL GUN AND SEE TARGET

2. AIM (ALL WEAPONS) CENTER MASS

3. BREATH CONTROL (ALL WEAPONS) NO CHANGE

4. TRIGGER CONTROL (ALL WEAPONS) NO CHANGE

Qualify with the AN/PEQ-2A M16A2/4, M4 AND MWS:

FF2 - 50, 150 & 250 METER TARGETS

SCANNING

IR DISCIPLINE

WALKING

EQUIPMENT & POSITION ADJUSTMENTS

PRACTICE QUAL 50M - 250M

RECORD QUAL 50M - 250M

STANDARD 17-23, 24-34 AND 35-40 TO QUALIFY

Qualify with the AN/PEQ-2A M249

FF 100 - 400 METER TARGETS

SCANNING

IR DISCIPLINE

WALKING

EQUIPMENT & POSITION ADJUSTMENTS

PRACTICE QUAL 100M - 400M

RECORD QUAL 100M - 400M

6 out of 11 TO QUALIFY

Qualify with the AN/PEQ-2A M240B

FF 200 – 600 METER TARGETS

SCANNING

IR DISCIPLINE

WALKING

EQUIPMENT & POSITION ADJUSTMENTS

PRACTICE QUAL 200M – 600M

RECORD QUAL 200M – 600M

6 out of 11 TO QUALIFY

Qualify with the AN/PEQ-2A

Practical exercise

- A. WALK THROUGH
PMCS
MOUNTING PROCEDURES
AN/PEQ-2A OPERATIONAL PROCEDURES
ZERO PROCEDURES AT 25 METERS
SHOT GROUP ANALYSIS

- B. ASK QUESTIONS

Practical exercise evaluation GO/NO GO

Qualify with the AN/PEQ-2A

Score at least of 14/20 questions on written test

Meet qual standards with your assigned weapon

SUMMARY

REVIEW WRITTEN EXAM

ANSWER QUESTIONS

QUALIFY WITH THE AN/PEQ-2A

BORESIGHT THE AN/PEQ-2A WINDAGE & ELEVATION

TOP=ELEVATION
SIDE=WINDAGE

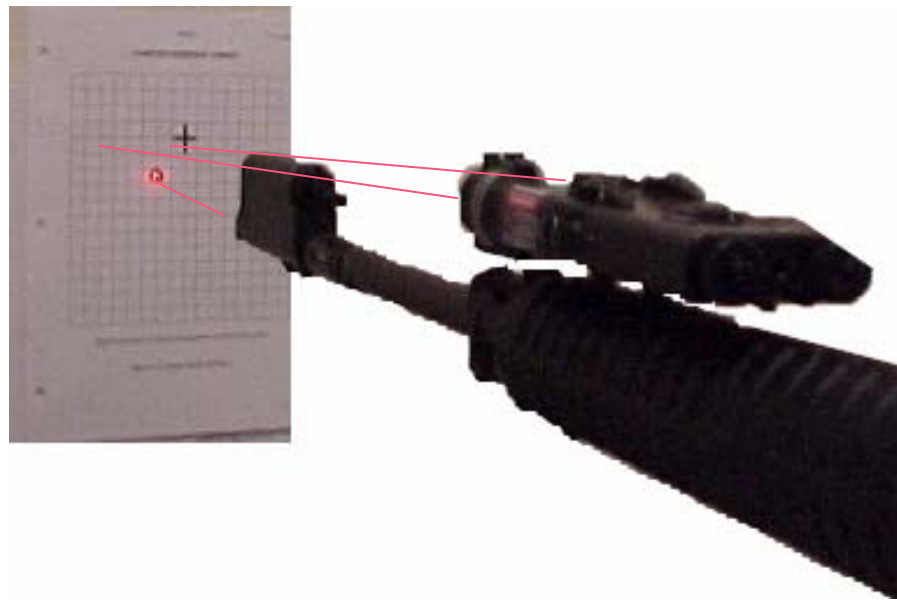
ILLUMINATOR
ADJUSTERS



AIMING POINT
ADJUSTERS

BORESIGHT PROCEDURES M16A1/2 AND M4 CARBINE

USE OFFSET FOR SELECTED WEAPON



STABILIZE WEAPON (**CRUCIAL**)

ZERO BORELIGHT

BORESIGHT AIMING POINT WITH NVGs

BORESIGHT ILLUMINATOR WITH NVGs (**NARROW BEAM**)

BORESIGHT PROCEDURES

M16A4 and M4 MWS



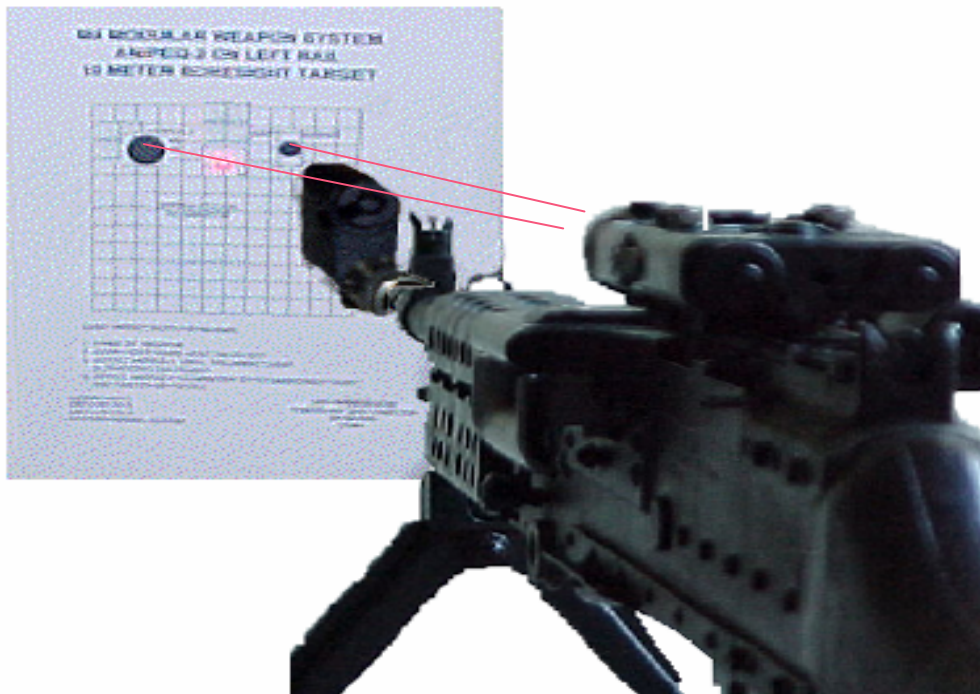
STABILIZE WEAPON (**CRUCIAL**)

ZERO BORELIGHT

BORESIGHT AIMING POINT WITH NVGs

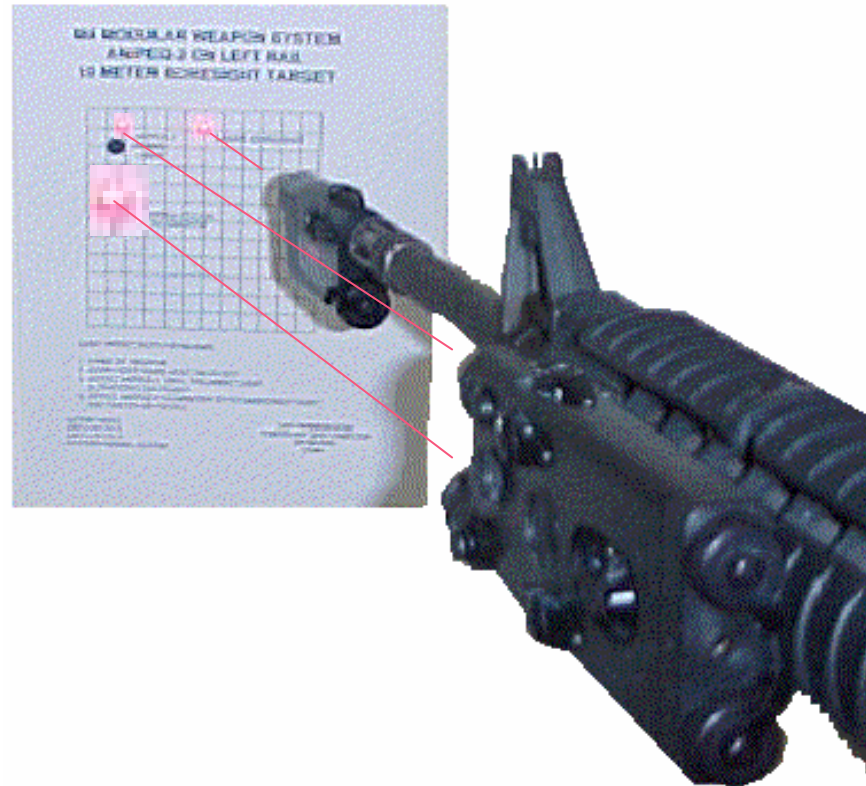
BORESIGHT ILLUMINATOR WITH NVGs (**NARROW BEAM**)

BORESIGHT PROCEDURES M249/60/240B



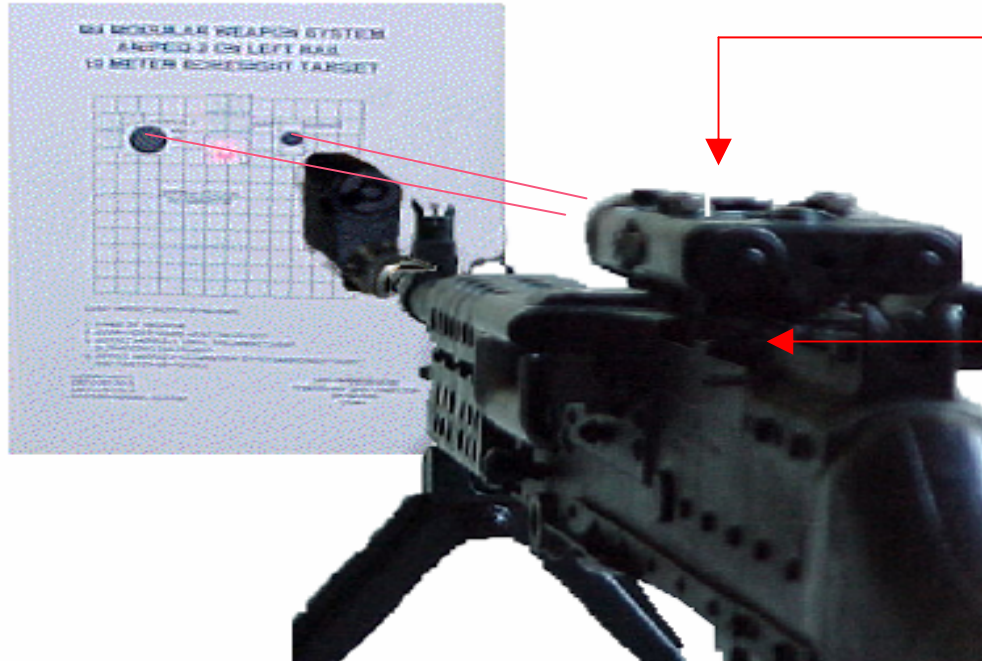
STABILIZE WEAPON ON TRI-POD AND T&E(**CRUCIAL**)
ZERO BORELIGHT
BORESIGHT AIMING POINT WITH NVGs
BORESIGHT ILLUMINATOR WITH NVGs (**NARROW BEAM**)

Zero with the AN/PEQ-2A M16A1/2/4, M4 and MWS



NOTE: A LIVE FIRE ZERO CONFIRMATION OF THE
OFFSET IS NOT NECESSARY IF BORESIGHTED
RETIGHTEN AFTER INITIAL 3 ROUND SHOT GROUP

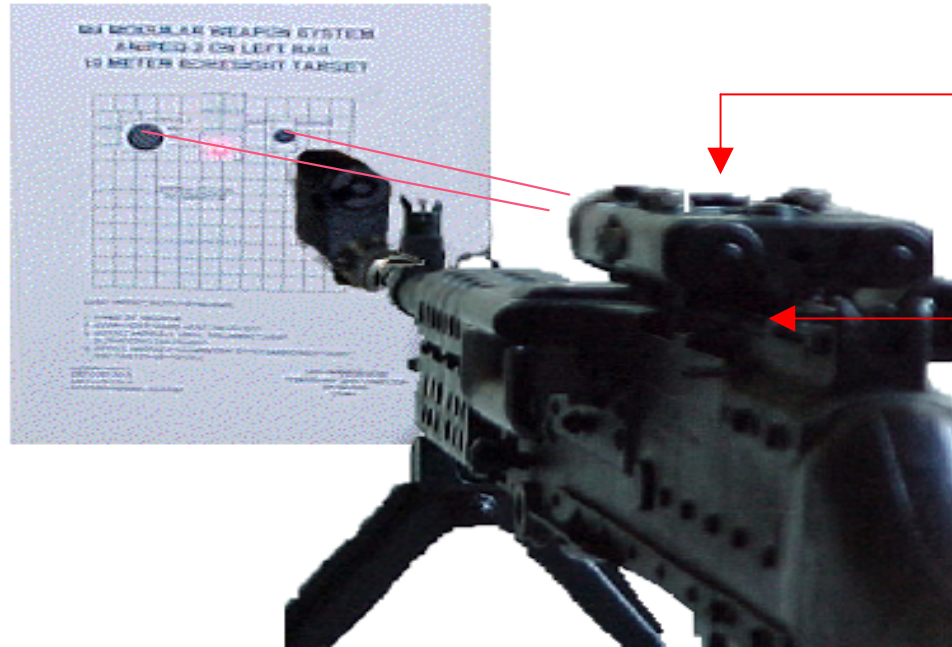
ZERO M249



STABILIZE WEAPON ON TRI-POD AND T&E(**CRUCIAL**)
BORESIGHT AN/PEQ-2A TO WEAPON
CENTER ILLUMINATOR ON AIMING POINT

NOTE: RETIGHTEN AFTER INITIAL ROUND IS SHOT

ZERO M240B



STABILIZE WEAPON ON TRI-POD AND T&E(**CRUCIAL**)
BORESIGHT AN/PEQ-2A TO WEAPON
CONFIRM ZERO AT 500M(MAKE FINE ADJUSTMENTS)
CENTER ILLUMINATOR ON AIMING POINT

NOTE: RETIGHTEN AFTER INITIAL 3 ROUND BURST

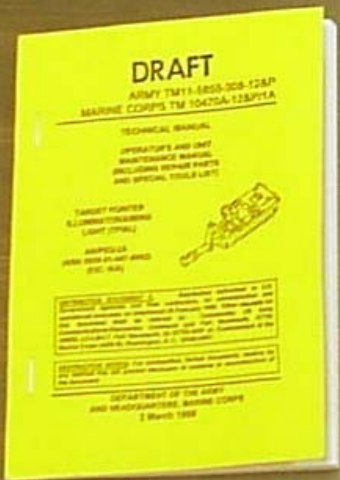


Avoid exposure. Laser radiation is emitted from this aperture.

DANGER

VISIBLE LASER RADIATION
AVOID DIRECT EXPOSURE TO BEAM

CAUTION:
THIS ELECTRONIC PRODUCT HAS BEEN EXEMPTED FROM FDA RADIATION SAFETY PERFORMANCE STANDARD PRESCRIBED IN THE CODE OF FEDERAL REGULATIONS, TITLE 21, CHAPTER 1, SUBCHAPTER J, PURSUANT TO EXEMPTION NO. 7961-01001 ISSUED ON JULY 25, 1979. THIS PRODUCT SHOULD NOT BE USED WITHOUT ADEQUATE PROTECTIVE DEVICES OR PROCEDURES.



AN/PEQ2A WITH MILES BRACKET

