

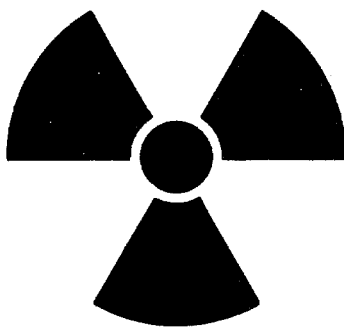
**TECHNICAL MANUAL  
ORGANIZATIONAL AND DIRECT SUPPORT  
MAINTENANCE MANUAL  
NIGHT VISION SIGHTS,  
INDIVIDUAL SERVED WEAPON  
AN/PVS-2  
(NSN 5855-00-087-2947),  
AN/ PVS-2A  
(NSN 5855-00-179-3708),  
AND AN/PVS-2B  
(NSN 5855-00-760-3869)**

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**HEADQUARTERS, DEPARTMENT OF THE ARMY**

**NOVEMBER 1977**

**WARNING**



STD- RW-2

**RADIOACTIVE MATERIAL**

**THORIUM 232**

1 THE OPTICAL GLASS IN THE NIGHT VISION SIGHT MAY CONTAIN THORIUM AND PRESENT A POSSIBLE EYE HAZARD A GREEN KNURLED RING, JUST FORWARD OF THE EYESHIELD, INDICATES THAT THE NIGHT VISION SIGHT IS SAFE TO USE.

2 DISPOSAL WILL BE AS RADIOACTIVE WASTE IN ACCORDANCE WITH AR 755-15.

**WARNING**

THE IMAGE INTENSIFIER ASSEMBLY PHOSPHOR SCREENS CONTAIN TOXIC MATERIAL IF AN ASSEMBLY BECOMES BROKEN, USE EXTREME CARE TO AVOID INHALATION OF THE PHOSPHOR MATERIAL OR ALLOW IT TO COME IN CONTACT WITH THE MOUTH OR AN OPEN SKIN WOUND.

**ORGANIZATIONAL AND DIRECT SUPPORT MAINTENANCE MANUAL**

**NIGHT VISION SIGHTS, INDIVIDUAL SERVED WEAPON**

**AN/PV-S-2 (NSN 5855-00-087-2947),**

**AN/PVS-2A (NSN 5855-00-179-3708), AND**

**AN/PVS-2B (NSN 5855-00-760-3869)**

**REPORTING OF ERRORS**

You can improve this manual by recommending improvements using DA Form 20282 (Test) located in the back of the manual. Simply tear out the self-addressed form, fill it out as shown on the sample, fold it where shown, and drop it in the mail.

If there are no blank DA Form 20282 (Test) in the back of your manual, use the standard DA Form 2028 (Recommended Changes to Publications and Blank Forms) and forward to Commander, US Army Electronics Command, ATTI\*:

DRSELMAQ, Fort Monmouth, NJ 07703.

In either case a reply will be furnished direct to you.

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\*This manual, together with TM 11-5855-203-10, 29 August 1974, and TM 11-5855-203-23P, supersedes TM 11-5855-203-13, 10

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## CHAPTER 1

## INTRODUCTION

## Section I. GENERAL

**1-1. Scope**

a. This manual contains organizational and direct support (DS) maintenance instructions for Night Vision Sights, Individual Served Weapon AN/PVS2, AN/PVS2A, and AN/PVS2B. It includes basic functioning, troubleshooting, and removal and replacement procedures for parts available at the organizational and DS categories of maintenance. An asterisk in parentheses (\*) after the nomenclature is used to indicate all models of the equipment. Hereafter, the AN/PVS2(\*) will be referred to as the night vision sight.

b. The maintenance allocation chart (MAC) is in appendix B.

c. Operating instructions and tabulated data are in TM 11585520310.

**1-2. Maintenance Forms and Records** Maintenance forms and records that you are required to use are explained in TM 38750.

**1-3. Indexes of Publications**

a. DA Pam 3104. Refer to the latest issue of DA Pam 3104 to see if there are new editions, changes, or additional publications pertaining to the night vision sight.

b. DA Pam 3107. Refer to DA Pam 3107 to determine whether there are modification work orders (MWO's) pertaining to the night vision sight.

**1-4. Administrative Storage**

Refer to TM 740901 for administrative storage instructions.

**1-5. Reporting Equipment Improvement Recommendations (EIR).**

EIR's will be prepared using DA Form 2407, (Maintenance Request). Instructions for preparing EIR's are provided in TM 38750, the Army Maintenance Management System. EIR's should be mailed direct to Commander, US Army Electronics Command, ATTN: DRSELMAQ, Fort Monmouth, NJ 07703. A reply will be furnished direct to you.

**1-6. Destruction of Night Vision Sight to Prevent Enemy Use**

Refer to TM 7502442 for instructions on destroying the night vision sight to prevent enemy use.

## Section II. SERVICE UPON RECEIPT OF AN/PVS-2(\*)

**1-7. Damage Report**

Inspect the night vision sight for damage incurred during shipment. Report any damage in accordance with TM 38750.

**1-8. Completeness**

Check the night vision sight against the component listing in the operator's manual and the packing slip to see if the shipment is complete.

Report all discrepancies in accordance with TM 38750. Place the night vision sight in service even though a minor assembly or part that does not affect proper functioning is missing.

**1-9. Modifications**

Check to see whether the night vision sight has

been modified. A night vision sight which has been modified will have the MWO number near the nomenclature plate. Check to see whether all currently applicable MWO's have been applied. A green knurled ring between the eyepiece assembly and the eyeshield indicates that shielding against radiation from the eyepiece assembly has been installed in accordance with MWO 115800210301.

**1-10. Serviceability**

Refer to TB 11580021224 for procedures to check the serviceability of the night vision sight.