
This is a reproduction of a library book that was digitized by Google as part of an ongoing effort to preserve the information in books and make it universally accessible.

Google[™] books

<https://books.google.com>



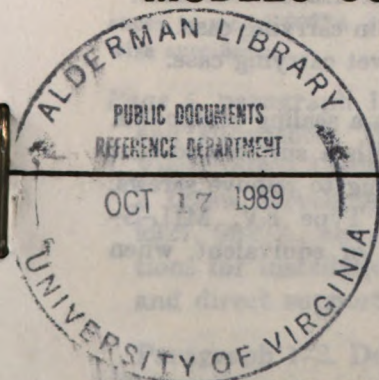
101.11:
11-5855-202-13

TM 11-5855-202-13

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

ORGANIZATIONAL AND DS MAINTENANCE MANUAL

NIGHT VISION SIGHT: CREW SERVED WEAPONS MODELS 9927 AND 9927A



UNIVERSITY OF VIRGINIA LIBRARY



X004882067

HEADQUARTERS, DEPARTMENT OF THE ARMY
APRIL 1967

89-634-P

WARNING

The image intensifier assembly phosphor screens contain toxic materials.

If an assembly becomes broken, use extreme care to avoid inhalation of the phosphor screen material or allowing it to come in contact with the mouth or open skin wounds.

CAUTION

Voltage of approximately 45,000 volts exists in image intensifier when equipment is turned on. The image intensifier assembly will retain a residual high voltage charge. This charge must be removed before the assembly is taken out. Do *not* remove eyepiece when equipment is turned on.

The crew served weapons night vision sight is a precision electro-optical device. Handle as such.

Do *not* store wet equipment in carrying case.

Do *not* store equipment in wet carrying case.

Note. Screws are sealed with a sealing compound. Dissolve sealing compound with a suitable solvent (Ketone, etc.) before attempting to remove screws. Reseal with Loctite Sealant Type EV, MIL-S-22473B, FSN 8030-926-8953, or equivalent, when assembling.

CHANGE

No. 1

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 11 September 1968

**Operator, Organizational, and DS Maintenance
Manual**

(Including Repair Parts and Special Tool Lists)

**NIGHT VISION SIGHT, CREW SERVED WEAPONS
AN/TVS-2**

TM 11-5855-202-13, 27 April 1967, is changed
as follows:

The title of the manual is changed as shown
above.

Page 5, chapter 1. Below the title, add:

Note. Model 9927B is similar to model 9927A. Refer-
ences to model 9927A apply to both models unless other-
wise specified.

Page 5, paragraph 1-1. Delete the first sentence
and substitute: This manual describes Night
Vision Sight Crew Served Weapons AN/TVS-
2 (crew served weapons sight), Varo Models
9927, 9927A, and 9927B and provides instruc-
tions for installation, operation, organizational,
and direct support (DS) maintenance.

Paragraph 1-2. Delete paragraph 1-2 and sub-
stitute:

1-2. Indexes of Equipment Publications

a. DA Pam 310-4. Refer to the latest issue of DA Pam 310-4 to determine whether there are new editions, changes, or additional publications pertaining to the equipment.

b. DA Pam 310-7. Refer to DA Pam 310-7 to determine whether there are modification work orders (MWO's) pertaining to the equipment. DA Pam 310-7 lists all authorized Department of the Army modification work orders, identifying the type, model, series, and Federal stock number or the item to be modified; number, date, and Federal stock number or the item to be modified; number, date, and classification of the MWO; category of maintenance authorized to perform the modification; and the man-hours required to apply the modification to each item.

Page 6, paragraph 1-3. Delete subparagraph *b* and substitute:

b. Report of Packaging and Handling Deficiencies. Fill out and forward DD Form 6 (Report of Packaging and Handling Deficiencies) as prescribed in AR 700-58 (Army), NAVSUP Publication 378 (Navy), AFR 71-4 (Air Force), and MCO P4610-5 (Marine Corps).

b.1 Discrepancy in Shipment Report (DISREP) SF361). Fill out and forward Discrepancy in Shipment Report (DISREP) (SF361) as prescribed in AR 55-38 (Army), NAVSUP Publication 459 (Navy), AFM 75-34 (Air Force), and MCO P4610.19 (Marine Corps).

In subparagraph *c*, next to last line, change AMSEL-MR-NMP-AD to: AMSEL-ME-NMP-AD.

Page 9, paragraph 1-4*c*, last line. Add: and Hispano-Suiza (HS) 20-mm Cannon.

Page 10, paragraph 1-7. Change the last sentence to: The following differences exist between models of the crew served weapons sight:

Delete the chart and substitute:

<i>Item</i>	<i>Model 9927</i>	<i>Model 9927A</i>	<i>Model 9927B</i>
Cant level	Included	Not included	Not included.
Replaceable reticle cells	Not included	Included	Included.
4-position rotary switch	Included	Not included	Not included.
3-position rotary switch	Not included	Included	Included.
Boresight thumbscrew and wingnut.	Not included	Not included	Included.
Adjustable boresight cover	Not included	Not included	Included.
Objective lens locknut	Included	Included	Not included.

After "Step 2" add NOTE in the following places:

Page 15, figure 2-1③.

Page 17, figure 2-2③.

Page 20, figure 2-3③.

NOTE: ON MODEL 9927B, THE SIGHT IS FURTHER SECURED BY TIGHTENING THE THUMB-SCREW AND WINGNUT LOCATED ON THE OPPOSITE SIDE OF THE BORESIGHT ASSEMBLY.

Page 13. After paragraph 2-6, add paragraph 2-6.1:

2-6.1. Installation on M5 20-mm Cannon

Refer to figure 2-3.1① and 2-3.1③.

Page 20. After figure 2-3③, add figure 2-3.1① and figure 2-3.1③:

Page 22, paragraph 2-10a chart. Control column. After "Boresight locking knob" add: Thumb-screw and wingnut.^c

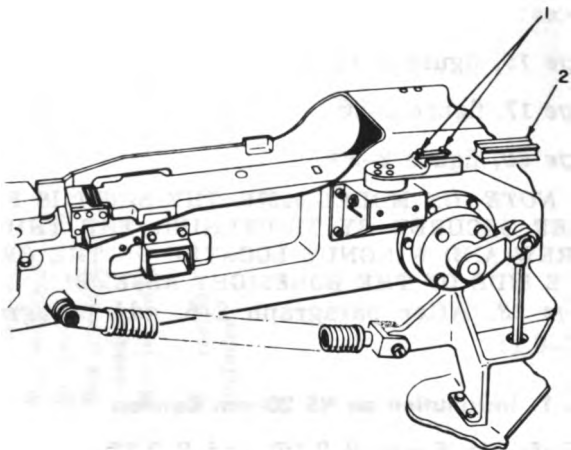
Function column. After "Locks sight to sight mounting bracket" add: Locks sight to sight mounting bracket.

Page 23, paragraph 2-10a chart. Add the following footnote: ^cModel 9927B only.

Page 25. After figure 2-4③, add figure 2-4.1③:

Page 26. Delete figure 2-4③ and substitute new figure 2-4③:

Paragraph 2-10b. Delete the last 3 lines of subparagraph (2) and all of subparagraph (3) and



STEP 1. TIGHTEN DOVETAIL SCREWS TO SECURE BRACKET IN PLACE.
 STEP 2 SLIDE SIGHT MOUNTING BRACKET DOVETAIL ON CANNON

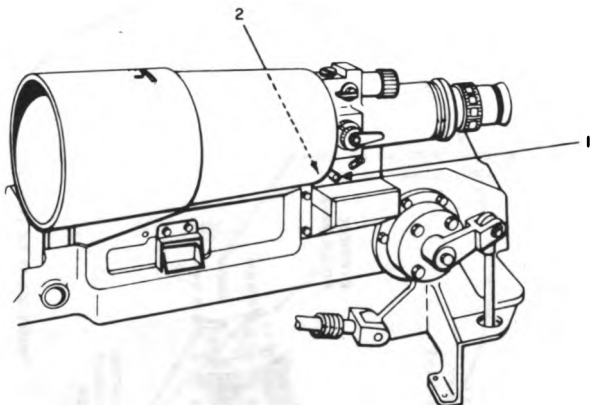
A. MOUNTING BRACKET DOVETAIL INSTALLATION.

TM5855-202-13-C1-23.1 ①

Figure 2-3.1 ①. Sight installation on HS 20-mm cannon (part 1 of 2).

substitute: pattern used with the M2 machinegun, M40 recoilless rifle, and HS 20-mm cannon. On the M2 and M40, each dot represents a range correction of 200 meters. On the HS 20-mm cannon, the dots represent a range correction (in hundreds) of 2,6,8,10,12, and 16 meters.

(3) *Model 9927A and 9927B reticles* (fig. 2 4④). Model 9927A and 9927B have a combined reticle pattern for the M2 machinegun and HS



STEP 1 SLIDE SIGHT TO FRONT OF SIGHT MOUNTING BRACKET DOVETAIL

STEP 2 ROTATE LOCKING KNOB (1) CLOCKWISE TO SECURE SIGHT.

NOTE:

ON MODEL 9927B THE SIGHT IS FURTHER SECURED BY TIGHTENING THE THUMBSCREW AND WINGNUT (2) LOCATED ON THE OPPOSITE SIDE OF THE BORESIGHT ASSEMBLY.

B. SIGHT INSTALLATION

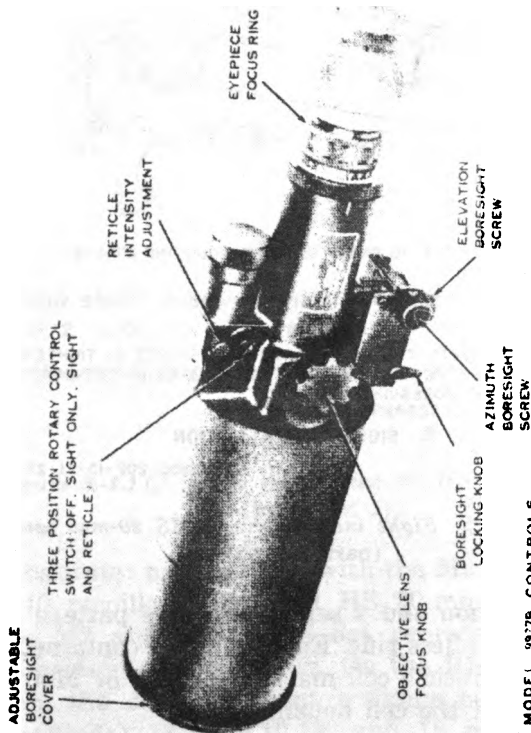
TM5855-202-13-C1-23.1 (2)

Figure 2-3.1 (3). Sight installation on HS 20-mm cannon (part 2 of 2).

20-mm cannon and a separate reticle pattern for the M40 recoilless rifle. Each reticle is contained in a separate reticle cell marked M2/HS or M40 on the front of the cell housing.

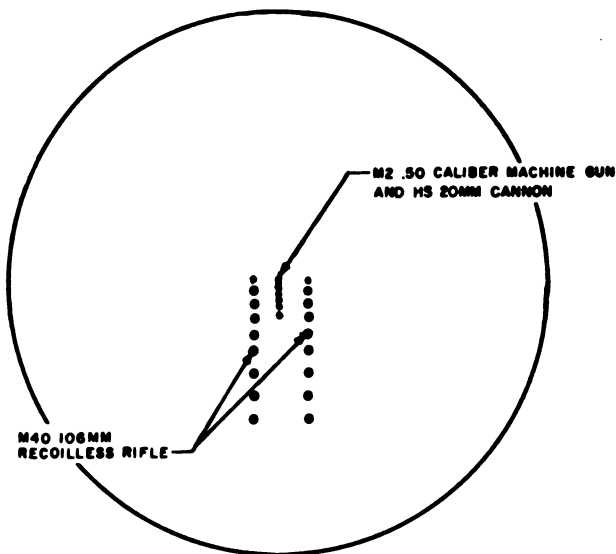
Page 27. Delete figure 2-4(4) and substitute new figure 2-4(4):

Paragraph 2-10b(3)(a). Line 1. Delete "M2" and substitute: M2/HS.



TMS825 202 13 CI 24 1 ②

Figure 2-4.1 ②. Controls and indicators (part 2.1 of 5).



MODEL 9927 RETICLE

TM5855-202-13-C1-24 ①

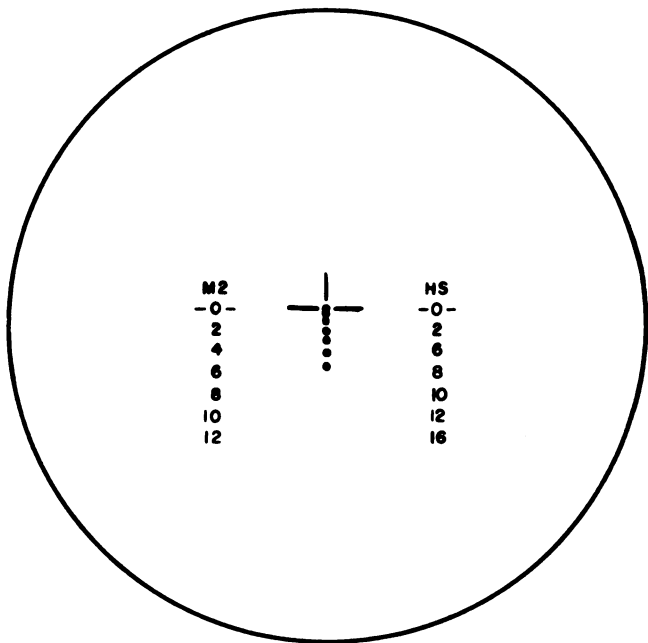
Figure 2-4③. Controls and indications (part 3 of 5).

Line 2. After "meters" add: for the M2, and 200, 600, 800, 1000, 1200, and 1600 meters for the HS-20mm cannon.

Page 29. After paragraph 2-12, add paragraph 2-12.1

2-12.1. Boresight Cover (model 9927B)

a. During daylight hours, turn the aperture selector on the boresight cover to the darkest aperture position.



MODEL 9927A AND 9927B M2/HS RETICLE

TM5855-202-13-C1-24 ④

Figure 2-4 ④. Controls and indicators (part 4 of 5).

b. If the image being viewed is not clearly visible, adjust the aperture selector to a less dark aperture.

Page 50. Add paragraph 4-6.1 after paragraph 4-6

4-6.1. Thumbscrew and Wingnut (9927B)

(fig. 5-1)

Replace the thumbscrew, wingnut, or washer when they are damaged or do not properly secure the boresight assembly to the weapon adapter bracket.

Page 51, paragraph 4-10. After subparagraph c, add:

d. Aperture selector defective (model 9927B).

Page 62. After subparagraph a, add:

a.1 Removal (9927B, Figure 5-9)

(1) Remove nut (3), lockwasher (4) and flat washer (5) from pivot bolt (2).

(2) Drive out the pivot bolt.

(3) Unscrew limit screw (1).

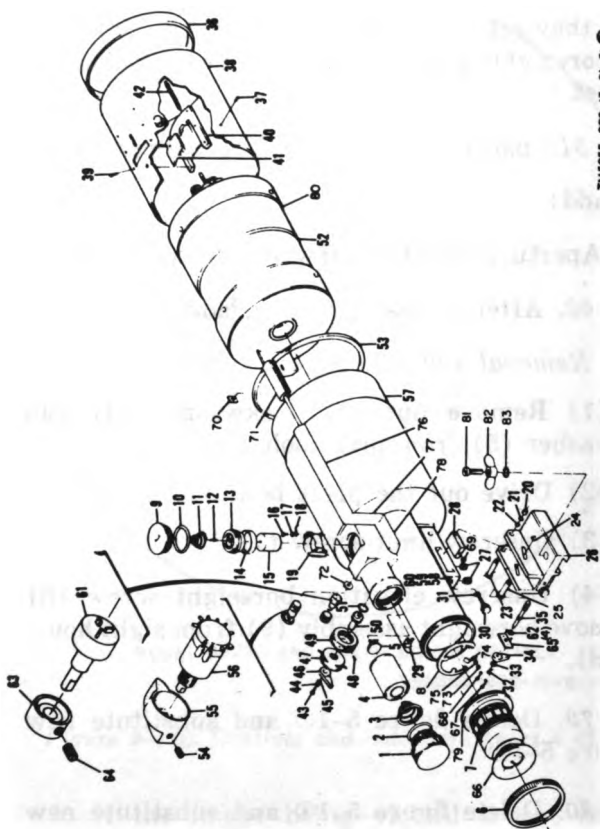
(4) Unscrew elevation boresight screw (6) to remove boresight assembly (9) from sight housing (8).

Page 79. Delete figure 5-1① and substitute new figure 5-1①

Page 80. Delete figure 5-1② and substitute new figure 5-1③

Page 81. After figure 5-2, add figure 5-2.1.

Page 87. After figure 5-8, add figure 5-9.



TM 5600-202-13-C-81

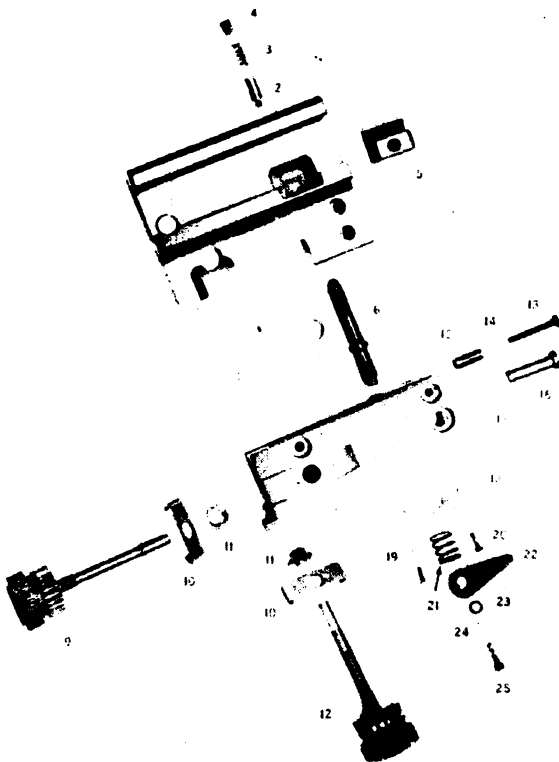
Figure 5-1 ①. Sight, exploded view (part 1 of 2).

LEGEND:

1. BATTERY CAP	29. RETAINER	57. HOUSING
2. O-RING PACKING	30. BORESIGHT SCREW	58. CLICK SPRING
3. BATTERY SPRING	31. WAVE WASHER	59. SCREW
4. BATTERY	32. CAP SCREW	60. LOCK WASHER
5. TERMINAL ASSEMBLY	33. FLAT WASHER	61. VARIABLE RESISTOR
6. RETAINING NUT	34. LOCKING KNOB	62. O-RING PACKING
7. EYEPIECE ASSEMBLY	35. QUICK DISCONNECT SHAFT	63. KNOB
8. CONTACT RING (9927 ONLY)	36. BORESIGHT COVER	64. SET SCREW
9. OSCILLATOR COVER	37. SCREW	65. BORESIGHT LOCK
10. O-RING PACKING	38. HOOD	66. EYESHIELD
11. OSCILLATOR COVER SPRING	39. PHILLIPS SCREW (9927 ONLY)	67. LOCK WASHER
L2. CONNECTOR	40. SLIDE RETAINER (9927 ONLY)	68. SCREW, PAN HEAD
13. CAP	41. SLIDE (9927 ONLY)	69. SHIM
14. CONTACT RING	42. SPRING (9927 ONLY)	70. FOCUS SLIDE
15. HIGH VOLTAGE OSCILLATOR	43. CAP SCREW	71. WIRING HARNESS
16. SCREW, PAN HEAD	44. LOCKWASHER	72. SWITCH PLATE AND SCREWS
17. LOCK WASHER	45. FLAT WASHER	73. SCREW (9927A, 9927B ONLY)
18. TERMINAL LUG	46. FOCUS KNOB	74. CONTACT SPRING (9927A, 9927B ONLY)
19. OSCILLATOR CONTACT	47. ADJUSTABLE NUT	75. LOCK WASHER (9927A, 9927B ONLY)
20. NUT	48. SET SCREW	76. RIGHT ANGLE SHIELD (9927A, 9927B ONLY)
21. LOCK WASHER	49. SHAFT LOCK	77. WIRE SHIELD
22. FLAT WASHER	50. FOCUS SHAFT	78. WIRE SHIELD (9927A, 9927B ONLY)
23. PIVOT BOLT	51. O-RING PACKING	79. O-RING PACKING
24. RETAINING RING	52. OBJECTIVE LENS ASSEMBLY	80. O-RING PACKING
25. SHOULDER PIN	53. QUAD RING	81. THUMBSCREW (9927B ONLY)
26. BORESIGHT ASSEMBLY	54. SET SCREW	82. WINGNUT (9927B ONLY)
27. COMPRESSION SPRING	55. CONTROL KNOB	83. LOCK WASHER (9927B ONLY)
28. SLIDER BLOCK	56. ROTARY SWITCH	

TMS55-202-13-C1-1

Figure 5-1 ②. Sight, exploded view (part 2 of 2).



TM 5635 202 13 CI 52 1

- | | |
|---------------------------|-------------------|
| 1. Azimuth Block | 8. Frame |
| 2. Shoulder Screw | 9. Elevation Knob |
| 3. Helical Spring | 10. Click Spring |
| 4. Set Screw | 11. Nut |
| 5. Clamp | 12. Azimuth Knob |
| 6. Quick Disconnect Shaft | 13. Machine Screw |
| 7. Boresight Spring | 14. Lock Washer |

Figure 5-2.1. Boresight (9927B), exploded view.

- | | |
|--------------------|------------------|
| 15. Spacer | 21. Spring |
| 16. Shoulder Pin | 22. Locking Knob |
| 17. Retaining Ring | 23. Flat Washer |
| 18. Boresight Lock | 24. Lock Washer |
| 19. Lockwasher (2) | 25. Cap Screw |
| 20. Screw (2) | |

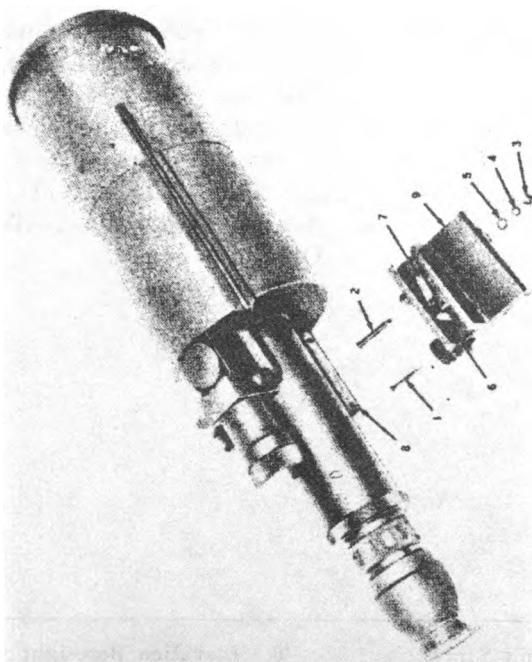
Figure 5-2.1—Continued.

Page 95, appendix A. Delete DA Pam 310-4 and substitute:

- | | |
|---------------------|---|
| DA Pam 310-4 | Index of Technical Manuals, Technical Bulletins, Supply Manuals (types 7, 8, and 9), Supply Bulletins, and Lubrication Orders. |
| DA Pam 310-7 | U.S. Army Equipment Index of Modification Work Orders. |

-
- | | |
|----------------|------------------------------|
| 1. Limit Screw | 6. Elevation Boresight Screw |
| 2. Pivot Bolt | 7. Boresight Spring |
| 3. Nut | 8. Main Body |
| 4. Lockwasher | 9. Boresight Assembly |
| 5. Flat Washer | |

Figure 5-9—Continued.



TM 5639-202-13-C1-00

Figure 5-9. Boresight (9927B), removal.

By Order of the Secretary of the Army:

WILLIAM C. WESTMORELAND,
General, United States Army,
Chief of Staff.

Official:

KENNETH G. WICKHAM,
Major General, United States Army,
The Adjutant General.

Distribution:

Active Army.

USASA (2)	LEAD (7)	
CNGB (1)	TOAD (14)	
CofEngrs (1)	Units org under fol	
USACDCCEA (1)	TOE: (2 copies	
USAMB (10)	each)	
USARV (10)	5-127	17-35
USAMC (5)	5-146	17-37
USCONARC (5)	5-155	17-55
OS Maj Comd (5)	5-237	17-75
Seventh USA (10)	7-15	17-95
Eighth USA (10)	7-18	17-105
USAARMS (25)	7-35	17-107
USAESC (40)	7-45	17-117
USAIS (200)	11-158	17-127
USAES (25)	11-587	17-157
USATC Inf (10)	11-592	29-16
USATC Armor (10)	11-597	29-26
Sig FLDSMS (1)	17-18	29-137
SAAD (30)		

NG: State AG (3).

USAR: None.

For explanation of abbreviations used, see AR 320-50.

Changes in force: C 1 and C 2

**TM 11-5855-202-13
C 2**

**CHANGE } HEADQUARTERS
No. 2 } DEPARTMENT OF THE ARMY
WASHINGTON, D. C., 26 September 1969**

**Operator, Organizational, and DS Maintenance
Manual Including Repair Parts and
Special Tools List
NIGHT VISION SIGHT, CREW SERVED
WEAPONS AN/TVS-2 AND AN/TVS-2A**

TM 11-5855-202-13, 27 April 1967, is changed as follows:

The title of the manual is changed as shown above.

***Page 115*, appendix D. Delete appendix D and substitute:**

APPENDIX D

ORGANIZATIONAL AND DIRECT SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST

Section I. INTRODUCTION

D-1. Scope

This appendix lists repair parts and special tools required for the performance of organizational and general support maintenance of the Night Vision Sight, Crew Served Weapons Model 9927, AN/TVS-2, and AN/TVS-2A.

D-2. General

This repair parts and special tools list is divided into the following sections:

a. Prescribed Load Allowance (PLA), Section II. A composite listing of the repair parts, special tools, test and support equipment having quantitative allowances for initial stockage at the organizational level.

b. Special Tools, Test and Support Equipment, Section III. Not applicable.

c. Repair Parts, Section IV. A list of repair parts authorized for the performance of maintenance at the organizational level.

d. Repair Parts, Section V. A list of repair parts authorized for the performance of maintenance at the direct support level.

e. Special Tools, Test and Support Equipment, Section VI. Not applicable.

NOTE:

All indexes noted below are cross referenced to index numbers. The index numbers appear in ascending sequence in column 1 of the repair parts lists. The index number for the particular item will be the same for the item in all sections of this appendix.

f. Federal Stock Number Cross-Reference to Index Number, Section VII. This is a cross-reference index of Federal stock numbers and manufacturer's part numbers to index numbers.

g. Figure and Item Number Cross-Reference to Index Number, Section VIII. This is a cross-reference index of figure number and item number (or reference designation) to index number. The figure numbers are listed in numerical sequence; item numbers and/or reference designations are listed for each figure.

D-3. Explanation of Columns

The following provides an explanation of columns in the tabular lists.

a. Source, Maintenance, and Recoverability Codes (SMR), Column 1.

(1) Source code, indicates the selection status and source for the listed item. Source codes are—

Code

Explanation

P---Repair parts which are stocked in or supplied from the GSA/DSA, or Army Supply system and authorized for use at indicated maintenance categories.

P2--Repair parts which are procured and stocked for in-

Code**Explanation**

surance purposes because the combat or military essentiality of the end item dictates that a minimum quantity be available in the supply system.

P9__Assigned to items which are NSA design controlled: unique repair parts, special tools, test, measuring and diagnostic equipment, which are stocked and supplied by the Army COMSEC logistic system, and which are not subject to the provisions of AR 380-41.

P10__Assigned to items which are NSA design controlled: special tools, test, measuring and diagnostic equipment for COMSEC support, which are accountable under the provisions of AR 380-41, and which are stocked and supplied by the Army COMSEC logistic system.

M___Repair parts which are not procured or stocked, but are to be manufactured in indicated maintenance levels.

A___Assemblies which are not procured or stocked as such, but are made up of two or more units. Such component units carry individual stock numbers and descriptions, are procured and stocked separately and can be assembled to form the required assembly at indicated maintenance categories.

X___Parts and assemblies which are not procured or stocked and the mortality of which normally is below that of the applicable end item or component. The failure of such part or assembly should result in retirement of the end item from the supply system.

X1__Repair parts which are not procured or stocked. The requirement for such items will be filled by use of the next higher assembly or component.

X2__Repair parts which are not stocked. The indicated maintenance category requiring such repair parts will attempt to obtain same through cannibalization. Where such repair parts are not obtainable through

Code	Explanation
	cannibalization, requirements will be requisitioned, with accompanying justification, through normal supply channels.

G--- Major assemblies that are procured with PEMA funds for initial issue only as exchange assemblies at DSU and GSU level. These assemblies will not be stocked above DS and GS level or returned to depot supply level.

(2) Maintenance code, indicates the lowest category of maintenance authorized to install the listed item. The maintenance level codes are:

Code	Explanation
C---	Operator/crew
O---	Organizational maintenance
F---	Direct support maintenance
H---	General support maintenance
D---	Depot maintenance

(3) Recoverability code, indicates whether un-serviceable items should be returned for recovery or salvage. Items not coded are expendable. Recoverability codes are—

Code	Explanation
R---	Repair parts and assemblies that are economically repairable at DSU and GSU activities and are normally furnished by supply on an exchange basis.
S---	Repair parts and assemblies which are economically repairable at DSU and GSU activities and which normally are furnished by supply on an exchange basis. When items are determined by a GSU to be uneconomically repairable, they will be evacuated to a depot for evaluation and analysis before final disposition.
T---	High dollar value recoverable repair parts which are subject to special handling and are issued on an

Code**Explanation**

exchange basis. Such repair parts normally are repaired or overhauled at depot maintenance activities.

U---Repair parts specifically selected for salvage by reclamation units because of precious metal content, critical materials, or high dollar value reusable casings or castings.

b. Federal Stock Number, Column 2. This column indicates the Federal stock number assigned to the item and will be used for requisitioning purposes.

c. Description, Column 3. This column indicates the Federal item name and any additional description of the item required. A part number or other reference number is followed by the applicable five-digit Federal supply code for manufacturers in parentheses.

d. Unit of Measure (U/M), Column 4. A 2 character alphabetic abbreviation indicating the amount or quantity of the item upon which the allowances are based, e.g., ft, ea, pr, etc.

e. Quantity Incorporated in Unit, Column 5. This column indicates the quantity of the item used in AN/TVS-2 and AN/TVS-2A. A "V" appearing in this column in lieu of a quantity indicates that a definite quantity cannot be indicated (e.g., shims, spacers, etc.). Items authorized for use as required, are identified with an asterisk (*) in this column.

f. 15-Day Organizational Maintenance Allowances, Column 6.

(1) The allowance columns are divided into four subcolumns. Indicated in each subcolumn op-

posite the first appearance of each item is the total quantity of items authorized for the number of equipments supported. Subsequent appearances of the same item will have the letters "REF" in the allowance columns. Items authorized for use as required but not for initial stockage are identified with an asterisk in the allowance column.

(2) The quantitative allowances for organizational level of maintenance represents one initial prescribed load for a 15-day period for the number of equipments supported. Units and organizations authorized additional prescribed loads will multiply the number of prescribed loads authorized by the quantity of repair parts reflected in the appropriate density column to obtain the total quantity of repair parts authorized.

(3) Organizational units providing maintenance for more than 100 of these equipments shall determine the total quantity of parts required by converting the equipment quantity to a decimal factor by placing a decimal point before the next to last digit of the number to indicate hundredths, and multiplying the decimal factor by the parts quantity authorized in the 51-100 allowance column. Example, authorized allowance for 51-100 equipments is 12; for 140 equipments multiply 12 by 1.40 or 16.80 rounded off to 17 parts required.

(4) Subsequent changes to allowances will be limited as follows: No change in the range of items is authorized. If additional items are considered necessary, recommendation should be forwarded to

Commanding General, U.S. Army Electronics Command, ATTN: AMSEL-ME-NMP-RS, Fort Monmouth, N. J. 07703 for exception or revision to the allowance list. Revisions to the range of items authorized will be made by the USA ECOM National Maintenance Point based upon engineering experience, demand data, or TAERS information.

g. 30-Day DS Maintenance Allowances, Column 6.

(1) The allowance columns are divided into three subcolumns. Indicated in each subcolumn, opposite the first appearance of each item, is the total quantity of items authorized for the number of equipments supported. Subsequent appearances of the same item will have the letters "REF" in the applicable allowance columns. Items authorized for use as required but not for initial stockage are identified with an asterisk in the allowance column.

(2) The quantitative allowances for DS levels of maintenance will represent initial stockage for a 30-day period for the number of equipments supported.

(3) Determination of the total quantity of parts required for maintenance of more than 100 of these equipments can be accomplished by converting the equipment quantity to a decimal factor by placing a decimal point before the next to last digit of the number to indicate hundredths, and multiplying the decimal factor by the parts quantity authorized in the 51-100 allowance column. Example, authorized allowance for 51-100 equipments is 40; for 150 equipments multiply 40 by 1.50 or 60 parts required.

h. 1-Year Allowances Per 100 Equipments/Contingency Planning Purposes, Column 8. Indicates opposite the first appearance of each item the total quantity required for distribution and contingency planning purposes. The range of items indicates total quantities of all authorized items required to provide for adequate support of 100 equipments for 1 year.

i. Depot Maintenance Allowance Per 100 Equipments, Column 9. Indicates opposite the first appearance of each item the total quantity authorized for depot maintenance of 100 equipments. Subsequent appearances of the same item will have the letters "REF" in the allowance column. Items authorized for use as required but not for initial stockage are identified with an asterisk in the allowance column.

j. Illustrations, Columns 7 and 10. These columns are divided as follows:

(1) *Figure number, columns 7a and 10a.* Indicates the figure number of the illustration in which the item is shown.

(2) *Item number, columns 7b and 10b.* Indicates the callout number used to reference the item in the illustration.

D-4. Special Information

a. Identifications of the usable codes included in column 3 of this publication are—

<i>Code</i>	<i>Used</i>
1....AN/TVS-2	
2....AN/TVS-2A	

b. Repair parts mortality is computed from failure rates derived from experience factors with the individual parts in a variety of equipments. Variations in the specific application and periods of use of electronics equipment, the fragility of electronic piece parts, plus intangible material and quality factors intrinsic to the manufacture of electronic parts, do not permit mortality to be based on hours of end item use. However, long periods of continuous use under adverse conditions are likely to increase repair parts mortality.

c. Dry batteries shown are used with the equipment but are not considered part of the equipment. They will not be preshipped automatically but are to be requisitioned in quantities necessary for the particular organization in accordance with SB 11-6.

D-5. Location of Repair Parts

a. This appendix contains two cross-reference indexes (sec. VII and VIII), to be used to locate a repair part when either the Federal stock number, reference number (manufacturer's part number), figure number, or reference designation is known. The first column in each cross-reference index is prepared, as applicable, in numerical or alpha-numerical sequence. The last column of each cross-reference index lists the index number assigned to the part.

b. Refer to the appropriate cross-reference index (para D-2f, g) and note the index number in the last column; then refer to the repair parts list to locate

the index number which is listed in ascending order in column 1 of the repair parts list.

D-6. Federal Supply Codes for Manufacturers

<i>Code</i>	<i>Manufacturer</i>
80063-----	Army Electronics Command
81348-----	Federal Specifications
81349-----	Military Specifications
83003-----	Varo, Inc.
96906-----	Military Standards
97403-----	Army Engineer Research and Development Laboratories

SECTION II. PRESCRIBED LOAD ALLOWANCE

(1) FEDERAL STOCK NUMBER	(2) DESCRIPTION USABLE ON CODE	(3) 15-DAY ORG. MAINT. ALLOWANCE			
		(a) 1-5	(b) 6-20	(c) 21-50	(d) 51-100
	GROUP I MODEL 9927				
5130-551-8252	PACKING, O-RING: M89021-030; 96906	1	1	1	1
5855-922-6459	COVER, BORE SIGHT: SC-C-614380; 80063	1	1	1	1
5855-925-0114	EYESHIELD ASSEMBLY: SC-D-614703; 80063	1	1	1	1
5855-941-5887	CAP, BATTERY: SC-C-614431; 80063	1	1	1	1
5855-943-5309	CAP, EYEPIECE: SC-C-614415; 80063	1	1	1	1
6240-941-1255	LAMP, MINIATURE: SC-B-614441; 80063	1	1	2	2
6130-580-2278	PACKING, O-RING: M89021-010; 96906	1	1	1	1
	GROUP II				
5855-791-3372	COVER ASSEMBLY BORE SIGHT: SC-D-614480; 80063	*	*	2	2
5855-922-6459	COVER ASSEMBLY: SC-C-614380; 80063	*	*	2	2

SECTION II. PRESCRIBED LOAD ALLOWANCE (CONTINUED)

(1) FEDERAL STOCK NUMBER	(2) DESCRIPTION	(3) 15-DAY ORG. MAINT. ALLOWANCE			
		(a) 1-5	(b) 6-20	(c) 21-60	(d) 61-100
5855-925-0114	EXTENSION ASSEMBLY (SPARE PARTS ONLY): SC-D-614703; 80063	*	2	3	5
5855-941-5887	CAP, BATTERY: SC-D-614431; 80063	*	*	2	2
5855-943-5309	CAP, EXTENSION: SC-B-614415; 80063	*	*	2	2
5855-999-9260	CUSHION, TOP: SC-D-614378; 80063	*	*	*	2
5855-999-9261	CUSHION, BOTTOM: SC-D-614379; 80063	*	*	*	2
6135-926-0827	BATTERY: BALLOON; 96906	2	2	6	11
6240-941-1255	LAMP MINIATURE: 871211BASELBNSTY; 17537	*	2	3	5

SECTION IV. REPAIR PARTS FOR ORGANIZATIONAL MAINTENANCE

(1) MIL CAGE CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION Reference Number & Mfr Code	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 15-DAY ORGANIZATIONAL MAINTENANCE ALLOWANCE				(7) ILLUSTRATIONS	
					(a) 1-5	(b) 6-20	(c) 21-50	(d) 51-100	(a) FIG NO.	(b) ITEM NO. OR REFERENCE DESIGNATION
		GROUP I MODEL 9927								
D-O-8 1	9855-911-1370	NIGHT VISION SIGHT, CREW SERVED WEAPONS MODEL 9927: 13213E2277; 97403 (This item is nonexpendable)							1-1	
P-O 2	9855-903-4043	CASE, CARRYING: SC-B-61A377; 80063	ea	1	•	•	•	•	1-1	
P-O 3	9855-999-9661	CUSHION, BOTTOM: SC-B-61A379; 80063	ea	1	•	•	•	•	1-1	
P-O 4	9855-999-9660	CUSHION, TOP: SC-B-61A378; 80063	ea	1	•	•	•	•	1-1	

SECTION IV. REPAIR PARTS FOR ORGANIZATIONAL MAINTENANCE (CONTINUED)

(1) SHE CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 15-DAY ORGANIZATIONAL MAINTENANCE ALLOW				(7) ILLUSTRATIONS	
					(a) 1-5	(b) 6-20	(c) 21-50	(d) 51-100	(a) FIG NO.	(b) ITEM NO. OR REFERENCE DESIGNATION
P-0 5	6135-926-0827	Reference Number & Mfr Code BATTERY, MERCURY: BA-1100/U; 96906	ea	1					1-1	
P-0 6	8020-409-3000	PULSER, ARTIST: M-B-118; 96906	ea	1	*	*	*	*	1-1	
P-0 7	6640-597-6745	PAPER, TISSUE: MME-P-40; 96906	pk	1	*	*	*	*	1-1	
P-0 8	6240-941-1275	LAMP, MINIATURE: SC-B-614411; 80063	ea	2	1	1	2	2	1-1	
P-0 29	5855-943-5309	CAP, ELECTROLYTIC: SC-C-614415; 80063	ea	1	1	1	1	1	1-1	
P-0 63	9855-941-5887	CAP, BATTERY: SC-C-614431; 80063	ea	1	1	1	1	1	5-1	1

SECTION IV. REPAIR PARTS FOR ORGANIZATIONAL MAINTENANCE (CONTINUED)

(1) FEDERAL SUPPLY NUMBER	(2) DESCRIPTION	(3) UNIT OF MEAS IN UNIT	(4) ORGANIZATIONAL MAINTENANCE ALY						(5) ILLUSTRATIONS	
			(a) 1-5	(b) 6-10	(c) 11-15	(d) 16-20	(e) 21-25	(f) 26-30	(a) FIG NO.	(b) ITEM NO. OR REFERENCE POSITION
2-0 26	Reference Number & Mfr Code MACHINE, O-RING: M99021-030; 96906	ea	1	1	1	1	1	1	5-1	2
2-0 27	EXTENDED ASSEMBLY: SC-D-614703; 80063	ea	1	1	1	1	1	1	5-1	66
2-0 28	EXTENDED: SC-D-614697; 80063	ea	1	1	1	1	1	1	5-1	66
2-0 29	INT, REPAIRING: SC-C-614644; 80063	ea	1	1	1	1	1	1	5-1	66
2-0 30	PACING, O-RING: M99021-101; 96906	ea	1	1	1	1	1	1	5-1	66
2-0 31	COVER, MOUNTING: SC-C-614380; 80063	ea	1	1	1	1	1	1	5-1	36
2-0 32	ADAPTER ASSEMBLY, NO. 50 CALIBER MACHINEGUN: 138042598; 97403	ea	1	1	1	1	1	1	5-1	36

SECTION IV. REPAIR PARTS FOR ORGANIZATIONAL MAINTENANCE (CONTINUED)

(1) FEDERAL STOCK NUMBER	(2) DESCRIPTION	(3) UNIT OF MEAS	(4) QTY IN UNIT	(5) 15-DAY ORGANIZATIONAL MAINTENANCE ALLOWANCE				(6) ILLUSTRATIONS	
				(a) 1-5	(b) 6-20	(c) 21-50	(d) 51-100	(a) FIG NO.	(b) ITEM NO. OR REFERENCE DESIGNATION
P-O 265	ADAPTER ASSEMBLY, M40, 106-MM RECOILLESS RIFLE: 1321312367; 97403	ea	1	*	*	*	*	1-1	
P-O 266	ADAPTER ASSEMBLY, 20-MM AUTOMATIC CANNON: 1321312319; 97403	ea	1	*	*	*	*		
G-O-S 4001	GROUP II RIGHT VISION SIGHT, CREW SERVED WEAPON AM/TVS-2 (This item is nonexpendable)	ea	1					1-1	
G-O-S 4001A	RIGHT VISION SIGHT CREW SERVED WEAPON AM/TVS-2A (This item is nonexpendable)	ea	1					1-1	
G-O-S 4001B	RIGHT VISION SIGHT, CREW SERVED WEAPON (LESS IMAGE INTENSIFIER) VARIO MODEL 9927A: 65788; 83003 (This item is nonexpendable)	ea	1					1-1	
G-O-S 4001C	RIGHT VISION SIGHT, CREW SERVED WEAPON (LESS IMAGE INTENSIFIER) VARIO MODEL 9927B: 66636; 83003 (This item is nonexpendable)	ea	1					1-1	
P-O 4008	CAP, EYEPIECE: SC-B-614415; 80063	ea	1	*	*	2	2		

SECTION IV. REPAIR PARTS FOR ORGANIZATIONAL MAINTENANCE (CONTINUED)

(1) SAC CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNITS OF MEAS	(5) QTY IN UNIT	(6) 15-DAY ORGANIZATIONAL MAINTENANCE ALLOWANCE				(7) ILLUSTRATIONS	
					(a) 1-5	(b) 6-20	(c) 21-50	(d) 51-100	(a) FIG NO.	(b) ITEM NO. OR REFERENCE DESIGNATION
P-0 A052	5855-903-4043	Reference Number & Mfr Code CASE, CARRYING: SC-D-614377; 80063	ea	1	*	*	*	*	1-1	
P-0 A053	5855-999-9261	CUSHION, BOTTOM: SC-D-614379; 80063	ea	1	*	*	*	2	1-1	
P-0 A054	5855-999-9260	CUSHION, TOP: SC-D-614378; 80063	ea	1	*	*	*	2	1-1	
P-0 A055	6240-941-1255	LAMP MOUNTING: 871LET1MAGELEMBT; 17537	ea	1	*	2	3	5	1-1	
P-0 A056	6240-941-1255	LAMP, MOUNTING: 871LET1MAGELEMBT; 17537	ea	1						
P-0 A061	6640-997-6745	PAPER, LENS: MINT-077FEL; 81348	ea	1	*	*	*	*	1-1	
P-0 A062	8020-409-3000	BULB, ARTIST: MILWA3363012K; 81349	ea	1	*	*	*	*	1-1	
P-0-1 A070		RIGHT ASSEMBLY ME-7794A/TWB-2: SC-D-614475; 80063	ea	1						

SECTION IV. REPAIR PARTS FOR ORGANIZATIONAL MAINTENANCE (CONTINUED)

(1) FEDERAL STOCK NUMBER	(2) DESCRIPTION	(3) UNIT OF MEAS	(4) QTY INC IN UNIT	(5) IS-DAY ORGANIZATIONAL MAINTENANCE ALLOW				(6) ILLUSTRATIONS	
				(a) 1-5	(b) 6-20	(c) 21-50	(d) 51-100	(a) FIG NO.	(b) ITEM NO. OR REFERENCE NUMERATION
G-O-2 A070A	Reference Number & Mfr Code STIMM ASSEMBLY ME-7794/7795-2; SC-D-614276; 80063	ea	1						
P-O A071	CAP, BATTERY: SC-D-614431; 80063	ea	1	*	*	2	2	5-1	1
P-O A072	FIELD ASSEMBLY (SPARE PARTS ONLY): SC-D-614703; 80063	ea	1	*	2	3	5	5-1	66
P-O A009	COVER ASSEMBLY MORE STIMM: SC-D-614480; 80063	ea	1	*	*	2	2	5-1	36
P-O A030D	COVER ASSEMBLY: SC-C-614380; 80063	ea	1	*	*	2	2	5-1	36
P-O A058	LAMP, MINIATURE: SAME AS A055	ea	1					3-4	
P-O A069	BATTERY: BALLOON; 96906	ea	1	2	2	6	11	5-1	4
P-O A070	ADAPTER ASST ME, 50 CALIBER MACHINE GUN: 1320412358; 97403	ea	1	*	*	*	*	2-1	2
P-O A071	ADAPTER ASST M40, 160 MM RECOILLESS RIFLE: 1321382367; 97403	ba	1	*	*	*	*	2-3	

SECTION IV. REPAIR PARTS FOR ORGANIZATIONAL MAINTENANCE (CONTINUED)

(1) FEDERAL STOCK NUMBER	(2) DESCRIPTION	(3) UNIT OF MEAS	(4) IS-DAY ORGANIZATIONAL MAINTENANCE ALLOW					(5) ILLUSTRATIONS	
			(a) 1-5	(b) 6-20	(c) 21-40	(d) 51-100	(e) FIG NO.	(f) ITEM NO. OR REFERENCE DESIGNATION	
P-O AST2	Reference Number & Mfr Code ANALYTIC AMST 2006, AUTOMASTIC CAMBON: 13023302319; 97603	ba	1	*	*	*	*		

SECTION V. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)

(1) SHEET NO.	(2) FURNISH STOCK NUMBER	(3) DESCRIPTION USABLE IN CODE	(4) UNIT OF MEAS	(5) 30-DAY DS MAINT ALLOWANCE			(6) 30-DAY GS MAINT ALLOWANCE			(7) 1 YR MAINT EQUIP CONTRACT EQUIP	(8) REPORT NO. OR REFERENCE RE-STATEMENT
				(A)	(B)	(C)	(A)	(B)	(C)		
2-0	6640-941-1255	LAMP, INCANDESCENT: SC-B-614411; 80063	ea	2	2	3					1-1
2-7	5955-945-6996	KEYSWITCH, REMOTE-CONTROL: SC-C-614350; 80063	ea	1	1	1					1-1
2-7	5310-911-8665	WIR, REMEDIATION: SC-C-614600-1; 80063	ea	1	1	1					5-8 1
2-7	5330-060-0602	BLACKING, O-RING: MSP002-038; 94906	ea	1	1	2					5-8 3
2-0	5955-943-5309	CAP, REMEDIATION: SC-C-614415; 80063	ea	1	1	1					5-8 2
2-7	5340-930-4413	WIR, REMEDIATION: SC-B-614310; 80063	ea	1	1	1					1-2
2-7	5955-937-5316	REPAIR VISION STUDY ASSEMBLY: 136130070; 97403	ea	1	1	1					5-1 69

SECTION 7. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)

(1) LINE NO.	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF MEAS	(5) 30-DAY DS MAINT ALLOWANCE			(6) 30-DAY GS MAINT ALLOWANCE			(7) 1 YR ALY MAINT EQUIP CONTRACT EQUIP	(8) DEPOT MAINT EQUIP CONTRACT EQUIP	(9) ILLUSTRATIONS	
				(a) 1-30	(b) 31-60	(c) 61-100	(a) 1-30	(b) 31-60	(c) 61-100			(a) FIG NO.	(b) ITEM NO. OR REFERENCE CROSS-REFERENCE IDENTIFICATION
P-7 59	5310-91A-8776	REF. RESERVING: SC-C-614600-2; 80063	ea	1	1	1	1	1	1			5-1	6
P-7 60	5855-051-2792	IMAGE REPRODUCING ASSEMBLY: 132150060; 97403	ea	1	2	2						5-3	3
P-7 61	5310-91A-8399	WASHER, FLAT: SC-C-614417-4; 80063	ea	1	1	1	1	1	1			5-1	45
P-7 62	5855-905-8098	CORRAGE, SPRING: 1321322373; 97403	ea	1	1	1	1	1	1			5-1	8
P-0 63	5855-941-5887	CAP, BATTERY: SC-C-614431; 80063	ea	1	1	1	1	1	1			5-1	1
P-0 64	5330-551-8252	PACKING, O-RING: H8902L-030; 94906	ea	1	1	1	1	1	1			5-1	2
P-7 65	5340-947-3743	SPRING, BATTERY: SC-B-614427; 80063	ea	1	1	1	1	1	1			5-1	3
P-7 66	5940-92A-8044	TERMINAL ASSEMBLY: SC-B-614432; 80063	ea	1	1	1	1	1	1			5-1	5

SECTION 7. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)

(1) DOWEL NO.	(2) FURNISH STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF MEAS.	(5) 30-DAY DS MAINT ALLOWANCE		(6) 30-DAY GS MAINT ALLOWANCE		(7) DEPT MAINT EQUIP CORRECT EQUIP	(8) ITEM NO. OR REFERENCE DESIGNATION
				(a)	(b)	(c)	(d)	(a)	
21-7 67		TERMINAL, MATERNITY: 1320A2B26; 97403	ea	1					5-1
21-7 68		TERMINAL, TERMINATOR: 1320A2B25; 97403	ea	1					
21-7 69	9875-999-9259	COVER, OSCILLATOR: SC-C-61A30; 80063	ea	1	1	1			9
21-7 70	5130-551-0251	BACKING, O-RING: M9902L-028; 98066	ea	1	1	1			10
21-7 71	5140-946-7340	SPRING, OSCILLATOR COVER: SC-B-61A34; 80063	ea	1	1	1			11
21-7 72	1280-941-3037	TERMINAL ASSEMBLY: SC-B-61A601; 80063	ea	1	2	2			7
21-7 73	9855-925-0114	TERMINAL ASSEMBLY: SC-D-61A703; 80063	ea	1	1	1			66
21-7 74		TERMINAL: SC-D-61A697; 80063	ea	1					

SECTION V. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)

(1) SYMBOL OR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE OR CODE	(4) QTY OF UNITS OR MEAS	(5) 30-DAY RS MAINT ALLOWANCE		(6) 30-DAY OR MAINT ALLOWANCE		(7) 1 YR MAINT ALLOWANCE EQUIP NO.	(8) DEPOT MAINT ALLOWANCE EQUIP NO.	(9) ILLUSTRATIONS	
				(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
11-0 75		REF, REPAIRING: SC-C-61468; 80063	ea	1							
P-7 96	5230-060-0602	BACKING, O-RING; SAME AS 12A	ea	1						5-1	79
P-7 97	2855-208-0835	OSP, OSCILLATOR ASSEMBLY; SC-B-61440; 80063	ea	1	1	1	1			5-1	11 through 15
P-7 102		CORNER, OSCILLATOR; SC-B-61442; 80063	ea	1	1	1	1			5-1	19
11-7 103		SPRING, COIL; 1320MB304; 97403	ea	1						5-1	
11-7 104		KEYER; MEL535-76; 96906	ea	1						5-1	
11-7 105		RING, OSCILLATOR; 1320MB354; 97403	ea	1						5-1	
11-7 106		AMPLIFIER; 1320MB369; 97403	ea	1						5-1	

SECTION V. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)

(1) FEDERAL SUPPLY CATALOG NO.	(2) DESCRIPTION	(3) UNIT OF MEAS	(4) QTY REQ'D PER UNIT	(5) 30-DAY RS MAINT ALLOWANCE			(6) 30-DAY GS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE	(8) 1 YR MAINT ALLOWANCE	(9) 1 YR MAINT ALLOWANCE	(10) ILLUSTRATIONS
				(a) 1-30	(b) 31-60	(c) 61-100	(a) 1-30	(b) 31-60	(c) 61-100					(a) FIG NO.	(b) ITEM NO. ON REFERENCE ILLUSTRATION
21-7 107	REFERENCE NUMBER & MFR. CODE SERVING, CRYSTALLIZER: 1320A28368; 97403	ea	1										5-1
21-7 108	REFERENCE NUMBER & MFR. CODE SERVING, CRYSTALLIZER: 1320A28368; 97403	ea	2										5-1
21-7 109	REFERENCE NUMBER & MFR. CODE SERVING, CRYSTALLIZER: 1320A28368; 97403	ea	1	1	1	1							5-1 108
21-7 110	REFERENCE NUMBER & MFR. CODE SERVING, CRYSTALLIZER: 1320A28368; 97403	ea	1	1	1	1							5-1 16
21-7 111	REFERENCE NUMBER & MFR. CODE SERVING, CRYSTALLIZER: 1320A28368; 97403	ea	1	1	2	2							5-1 17
21-7 112	REFERENCE NUMBER & MFR. CODE SERVING, CRYSTALLIZER: 1320A28368; 97403	ea	1	1	1	1							5-1 55
21-7 113	REFERENCE NUMBER & MFR. CODE SERVING, CRYSTALLIZER: 1320A28368; 97403	ea	1	1	2	2							5-1 54
21-7 114	REFERENCE NUMBER & MFR. CODE SERVING, CRYSTALLIZER: 1320A28368; 97403	ea	1	1	1	1							5-1 56

SECTION V. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)

(1) DSN CODE SYMBOL	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR. CODE	(4) UNIT OF MEAS.	(5) QTY REQD PER UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE	(8) 1 YR MAINT ALLOWANCE EQUIP CATEGORY	(9) DEPOT MAINT ALLOWANCE EQUIP CATEGORY	(10) ILLUSTRATIONS	
					(a) 1-30	(b) 31-60	(c) 61-100				(a) FIG NO.	(b) ITEM NO. OR REFERENCE DESIGNATION
P-7 115	9905-835-1633	RESISTOR, FIXED; RC07W36J; 96906	ea	1	1	1	1				5-4	21
P-7 116	9905-951-6800	RESISTOR, VARIABLE; 13002X3963; 97603	ea	1	1	2	2				5-1	61
P-7 117	5355-961-1512	SWCH; RC-B-614354; 80063	ea	1	1	1	1				5-1	63
P-7 118	9905-686-3121	RESISTOR, FIXED; RC07W36J; 96906	ea	1	1	1	1				5-4	85
P-7 119	5305-930-2276	SOLE, FINGER; RC-B-614336; 80063	ea	1	1	1	1				5-1	23
P-7 120	5310-946-8007	WUF; RC-C-614419; 80063	ea	1	1	1	1				5-1	20
P-7 121	5310-697-6012	WASHER, LOCK; RC-C-614418-4; 80063	ea	2	1	1	1				5-1	21
P-7 122	5310-947-3758	WASHER, FLAT; RC-C-614417-3; 80063	ea	3	1	2	2				5-1	22

SECTION V. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)

(1) OR CODE ITEM NO.	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR. CODE	(4) UNIT OF MEAS	(5) QTY IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR PER MAINT EQUIP 100 EQUIP COST EQUIP	(9) DEPOT MAINT EQUIP 100 EQUIP COST EQUIP	(10) ILLUSTRATIONS	
					(a) 1-20	(b) 21-40	(c) 41-100	(a) 1-20	(b) 21-40	(c) 41-100			(a) ITEM NO. OR FIS NO.	(b) REFERENCE DESIGNATION
P-F 123	5340-999-6880	RING, RINGING: 132138756; 97403	ea	2	1	1	1						5-1	24
P-F 124	5315-949-9990	PL, DOME: SC-D-61301-2; 80063	ea	1	1	1	1						5-1	25
P-F 125	5340-945-8114	SPRING, COMPRESSION: SC-B-61317-2; 80063	ea	2	1	2	2						5-1	27
P-F 127	5855-937-6119	MECHANISM: SC-B-61331; 80063	ea	1	1	1	1						5-1	29
P-F 128	5305-937-3020	SCREW, RUMBLE: SC-B-61336-2; 80063	ea	2	1	1	1						5-1	30
P-F 129	5310-779-6879	WASHER, WAVE: SC-B-61335; 80063	ea	2	1	1	2						5-1	31
P-F 130	5340-944-2519	SPRING, CLUCK: SC-B-61318; 80063	ea	2	1	1	1						5-1	38
P-F 131	5305-913-3955	SCREW, RUMBLE: SC-B-61466-2; 80063	ea	2	2	2	3						5-1	39

SECTION 7. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)

(1) FEDERAL STOCK NUMBER	(2) DESCRIPTION	(3) UNIT OF MEAS	(4) QTY IN UNIT	(5) 30-DAY DS MAINT ALLOWANCE			(6) 30-DAY GS MAINT ALLOWANCE			(7) 1 YR DEPOT MAINT ALLOWANCE EQUIP CONTRACT EQUIP	(8) ITEM NO. OR REFERENCE DESIGNATION
				(a) 1-30	(b) 31-60	(c) 61-100	(a) 1-30	(b) 31-60	(c) 61-100		
P-7 132	5310-911-0999 VALVER, LOCK; SAME AS 111	ea	2								5-1 60
P-7 133	5355-908-0777 KNOB, LOCKING; SC-B-611330; 80063	ea	1	1	1	1					5-1 34
P-7 134	SCMM, CAP; SC-C-61116-5; 80063	ea	2	1	1	2					5-1 32
P-7 135	5310-937-2255 VALVER, FLAT; SC-C-61117-1; 80063	ea	4	1	1	1					5-1 33
P-7 136	5055-928-6153 SHAFT, QUICK-DISCONNECT; SC-B-611328; 80063	ea	1	1	1	1					5-1 35
P-7 136A	BACKING, O-RING; MS9021-010; 94906	ea	4	1	1	2					5-1 62
P-7-B 137	5035-944-0949 TORNAMENT ASSEMBLY; SC-D-611305; 80063	ea	1	1	2	2					5-1 26
P-7 138	5315-910-9611 PIN, BRUSHING; SC-B-611337; 80063	ea	1	1	1	1					5-2 2

SECTION 7. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)

(1) FEDERAL STOCK NUMBER	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR. CODE	(4) UNIT OF MEAS.	(5) QTY. IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE	(8) 1 YR MAINT ALLOWANCE EQUIP CONVY	(9) DEPOT MAINT ALLOWANCE EQUIP	(10) ILLUSTRATIONS	
					(a) 1-30	(b) 31-60	(c) 61-100				(a) FIG NO.	(b) ITEM NO. OR REFERENCE DESIGNATION
P-7 139	5340-803-6227	KING, HEADLAMP: MEL6604-1028; 96906	ea	2	1	1	1				5-1 5-2	24 21
P-7 139A	5340-720-8064	KING HEADLAMP: MEL6604-1025; 96906	ea	1	1	1	1				5-2	1
P-7 141	5315-913-3851	FTN: SC-D-614301-1; 80063	ea	1	1	1	1				5-2	3
XI-7 142		FRAMES: SC-D-614302; 80063	ea	1							5-2	7
P-7 142A	5305-933-4965	SCHEM, PARABOLAD: SC-B-614420-2; 80063	ea	2	1	1	1				5-2	19
P-7 142B	5310-914-8263	WASHER, LOCK: SC-C-614418-3; 80063	ea	2	*	*	*				5-2	5
P-7 142C	5855-933-5025	BRACKET, BULKHEAD: SC-B-614339; 80063	ea	2	1	1	2				5-2	6
P-7 143	5855-928-0455	QUICK-RELEASEMENT ASSEMBLY: SC-D-614306; 80063	ea	1	*	*	*				5-2	

SECTION V. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)

(1) SR CODE INDEX NO.	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR. CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALLOWANCE EQUIP CARTOY	(9) DEPOT MAINT ALLOWANCE EQUIP	(10) ILLUSTRATIONS	
					(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO.	(b) ITEM NO. OR REFERENCE DESIGNATION
XI-F 151		CLAMP: SC-D-6L4307; 80063	ea	1									5-4	12
XI-F 152		REPAIRING, QUICK-DISCONNECT: SC-C-6L4365; 80063	ea	1									5-2	13
P-F 153	5305-937-2021	SCREW, BUSHING: SC-B-6L4338-1; 80063	ea	1	1	1	1						5-2	14
P-F 154	5855-937-5316	SEUD: SAME AS 58	ea	1									5-2	22
XI-F 155		WLOCK, AZIMUTH: SC-D-6L4303; 80063	ea	1									5-2	17
P-F 156	5310-779-6879	WASHER, WAVE: SAME AS 129	ea	1									5-2	15
P-F 157	5305-913-3855	SCREW, BUTTERFLY: SAME AS 131	ea	2									5-2	19
P-F 158	5310-914-8999	WASHER, LOCK: SAME AS 111	ea	2									5-2	20

SECTION 7. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)

(1) SYMBOL AND CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNABLE ON CODE	(5) UNIT OF MEAS	(6) QTY REQD PER UNIT	(7) 30-DAY DS MAINT ALLIANCE			(8) 30-DAY GS MAINT ALLIANCE			(9) 1 YR DEPOT MAINT ALLIANCE FOR EQUIP AND CRAFT EQUIP	(10) ILLUSTRATIONS	
						(a) 1-30	(b) 31-60	(c) 61-100	(a) 1-30	(b) 31-60	(c) 61-100		(a) FIG NO.	(b) 1794 NO. ON REFERENCE REMARKS
3-7 1.79	5940-944-7719	SECTIONS, CLACK; SAME AS 130		ea	1								5-2	18
3-7 1.79A	5975-945-7793	BLADE, BLADE; NO-9-61333; 80063		ea	1	1	1	1					5-1	20
3-7 1.8	5975-933-7007	SECTIONS; NO-9-61337-1; 80063		ea	1	1	1	1					5-2	8
3-7 1.8A	5975-933-7008	BLADE, BLADE; NO-9-61334; 80063		ea	1	1	1	1					5-2	16
3-7 1.8B	5355-948-4979	SECTIONS, FUSION; 5355-948-4979; 80063		ea	1	1	1	1					5-1	46
3-7 1.8C		SECTIONS, CAP; SAME AS 134		ea	1								5-1	43
3-7 1.8D	5310-933-4964	VALVE, LOCK; NO-9-61318-8; 80063		ea	1	1	1	1					5-1	44
3-7 1.8E	5310-947-3779	VALVE, PLATE; SAME AS 132		ea	1								5-1	45

SECTION V. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)

(1) SIC CODE FUNCTIONAL GROUP	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR. CODE	(4) UNIT OF MEAS	(5) QTY IN UNIT	30-DAY DS MAINT ALLOWANCE			30-DAY GS MAINT ALLOWANCE			(6) 1 YR ALY PER MAINT EQUIP COST	(7) 1 YR ALY PER MAINT EQUIP COST	(8) ILLUSTRATIONS	
					(a) 1-20	(b) 21-40	(c) 41-100	(a) 1-20	(b) 21-40	(c) 41-100			(a) FIG NO.	(b) ITEM NO. OR REFERENCE IDENTIFICATION
P-7 166	5310-999-6873	MUT, ADJUSTABLE: SC-C-614402; 80063	ea	1	1	1	1						5-1	h7
21-P 166A		PTH, DOWEL: 1321388757; 97403	ea	2										
P-7 167	5855-925-7887	LOCK, SMALPS: SC-C-614403; 80063	ea	1	1	1	1						5-1	h9
P-7 168	5305-930-2273	SCREW, SMT: 1321382403; 97403	ea	1	1	1	1						5-1	h8
P-7 169	5855-925-9507	SMALPS, FOCUS: SC-C-614401; 80063	ea	1	1	1	1						5-1	50
P-7 170	5330-579-8108	BACKING, O-RING: M828775-111; 96906	ea	1	1	1	1						5-1	51
P-7 172	5855-925-8009	SEALING, VITON: 1321382382; 97403	ea	1	1	1	1						5-1	77
P-0 173	5855-922-6459	COVER, BUSHING: SC-C-614360; 80063	ea	1	1	1	1						5-1	36

SECTION 7. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)

(1) FEDERAL STOCK NUMBER	(2) DESCRIPTION	(3) UNIT OF MEAS	(4) 30-DAY QS MAINT ALLIANCE			(5) 30-DAY QS MAINT ALLIANCE			(6) 1 YR PER ALPHABETIC EQUIP CONTRACT	(7) 1 YR PER ALPHABETIC EQUIP CONTRACT	(8) ILLUSTRATIONS	
			(a) 1-30	(b) 31-60	(c) 61-100	(a) 1-30	(b) 31-60	(c) 61-100			(a) FIG NO.	(b) ITEM NO. OR REFERENCE DESIGNATION
9855-985-8504	REFERENCE NUMBER & MFR. CODE	ea	1	1	1						5-1	71
P-7 1.74	BLANKING, VEHICLE: 1302382380; 97403	ea										
XI-7 1.76	RECEIVER: SC-B-614320; 80063	ea	1									
XI-7 1.77	RECEIVER, VEHICLE: SC-C-614407; 80063	ea	1									
XI-7 1.78	CAP: 1302382303; 97403	ea	1									
XI-7 1.78A	CABLE, REINFORCED SUPPORT: 1302382380; 97403	ea	1									
XI-7 1.79	RECEIVER: 1302382380; 97403	ea	1									
P-7 1.81	LAMP, RESEARCH: SC-B-614419; 80063	ea	2	1	1						3-2 3-3	h, 3
XI-7 1.82	CABLE: 1302382760; 97403	ea	1									

SECTION V. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)

(1) FEDERAL STOCK NUMBER	(2) DESCRIPTION UNABLE OR CODE	(3) UNIT OF MEAS	(4) QTY IN UNIT	(5) 30-DAY DS MAINT ALLOWANCE			(6) 30-DAY GS MAINT ALLOWANCE			(7) 1 YR MAINT ALLOWANCE EQUIP CONST EQUIP	(8) DEPT MAINT ALLOWANCE EQUIP CONST EQUIP	(9) ILLUSTRATIONS	
				(a) 1-30	(b) 31-60	(c) 61-120	(a) 1-30	(b) 31-60	(c) 61-120			(a) FIG NO.	(b) 1754 NO. OR REFERENCE DESIGNATION
XI-7 183	BOX: 1321382763; 97403	ea	1										
XI-7 184	SCHEM: 1321382764; 97403	ea	1										
P-7 185	SCHEM: 1321382401; 97403	ea	5	1	1	1						5-1	37
P-7 186	WOOD, ASSEMBLY; 1320530970; 97403	ea	1	1	1	1						5-1	
XI-7 187	METALWORK, ELITE; 1321382285; 97403	ea	1									5-1	40
XI-7 188	SCHEM: 1321382286; 07403	ea	6									5-1	39

SECTION V. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)

(1) LINE NO.	(2) FEDERAL SUPPLY NUMBER	(3) DESCRIPTION USABLE OR CORE	(4) UNIT OF MEAS	(5) QTY IN UNIT	(6) 30-DAY RS MAINT ALLOWANCE			(7) 30-DAY RS MAINT ALLOWANCE			(8) 1 YR PER ALY PER EQUIP CONTRACT	(9) DEPOT MAINT ADJUSTED NO EQUIP	(10) ILLUSTRATIONS	
					(a)	(b)	(c)	(a)	(b)	(c)			(a) FIG NO.	(b) 1794, 180, OR REFERENCE REVISION
21-7 149		SEALING: 1301300203; 97403	ea	2									5-1	41
21-7 150		FEET: 1301300204; 97403	ea	2										
21-7 151		BRUSHES: 1301300202; 97403	ea	2									5-1	42
21-7 152		FEET: 1301300203; 97403	ea	2										
21-7 153		HOOD: 1300500277; 97403	ea	2									5-1	38
21-7 154	0944-024-0813	OBJECTIVE LAMP ASSEMBLY: 1300500273; 97403	ea	1	2	4	7						5-1	52
21-7 155	5330-080-0056	BACKING: 189001-162; 96906	ea	1	1	1	1						5-1	80

SECTION 7. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)

(1) FEDERAL ITEM NO.	(2) FEDERAL DIRECT NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR. CODE	(4) UNIT OF MEAS	(5) QTY IN UNIT	(6) 30-DAY RS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE	(8) 1 YR MAINT EQUIP CONTRACT	(9) DEPOT MAINT EQUIP CONTRACT	(10) ILLUSTRATIONS	
					(a) -30	(b) 2-30	(c) 31-100				(a) FIG NO.	(b) ITEM NO. OR REFERENCE DESIGNATION
P-7 267	5305-999-6877	SCHEM, SET: 1301304703-4; 97403	ea	1	1	1	1					
P-7 268	9855-999-9863	QUAD KITE: SC-C-614409; 80063	ea	1	1	1	1				5-1	53
P-7 269	9855-941-9881	BLAZE, POCOB: SC-B-614277; 80063	ea	1	1	1	1				5-1	70
P-7 269	5305-930-6585	SCHEM: SC-D-614300; 80063	ea	1	1	1	1				5-1	72
P-7 269	9855-985-9840	LOCK, BOMBING: SC-B-614450; 80063	ea	1	1	1	1				5-1	65

SECTION 7. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)

(1) SIC CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE	(4) UNIT OF MEAS.	(5) QTY. IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE	(8) 1 YR PERMANENT EQUIP CORRECT	(9) 1 YR PERMANENT EQUIP CORRECT	(10) ILLUSTRATIONS (a) F10 NO. (b) ITEM NO. OR REFERENCE IDENTIFICATION
					(a) 1-20	(b) 21-40	(c) 41-100				
P-0 264	1090-911-0703	ADAPTER ASSEMBLY, M2 .50 CALIBER MAGNUM; 1320AE2398; 97403	ea	1	•	•	•				1-1
P-0 265	1090-911-0704	ADAPTER ASSEMBLY, M40, 106-MM RECOILLESS RIFLE; 13213E2367; 97403	ea	1	•	•	•				1-1
P-0 266	1090-911-0705	ADAPTER ASSEMBLY, 20-MM AUTOMATIC GUN; 13213E2319; 97403	ea	1	•	•	•				

SECTION V. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)

(1) SAC CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & NFR. CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR DEPOT MAINT ALLOW PER EQUIP CITYCTY EQUIP	(9) FIG NO.	(10) ILLUSTRATIONS (a) ITEM NO. OR REFERENCE DESIGNATION
					(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			
P-F A003	5310-914-8266	NUT, RETAINING: SC-G-614600-1; 80063	ea	1	*	2	2					5-8	1
P-O A028	5855-943-5309	CAP, EXTENDER: SC-B-614415; 80063	ea	1									
P-O A052	5855-903-4043	CASE, CARRYING: SC-D-614377; 80063	ea	1	*	*	2					1-1	
P-O A053	5855-999-9261	CUSHION, BOTTOM: SC-D-614379; 80063	ea	1	*	2	2					1-1	
P-O A054	5855-999-9260	CUSHION, TOP: SC-D-614376; 80063	ea	1	*	2	2					1-1	
P-O A055	6240-941-1255	LAMP, NOILATURE: 877LET1BAS1255TY; 17537	ea	1	2	4	8					1-1	
P-O A056	6240-941-1255	LAMP, NOILATURE: SAME AS A055	ea	1									
P-O A061	6640-597-6745	PAPER, LABEL: 88864077P1; 81348	ea	1	*	*	*					1-1	

SECTION V. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)

(1) SIC CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CENTCTY	(9) DEPOT ALW PER EQUIP 100	(10) ILLUSTRATIONS	
					(a) 1-20	(b) 21-40	(c) 41-100	(a) 1-20	(b) 21-40	(c) 41-100			(a) FIG NO.	(b) ITEM NO. OR REFERENCE DESIGNATION
		GROUP II												
Q-O-S A001	5855-087-3144	NIGHT VISION SIGHT, CREW SERVED WEAPON AN/TVS-2: (This item is nonexpendable)	ea	1									1-1	
Q-O-S A001A	5855-791-3358	NIGHT VISION SIGHT, CREW SERVED WEAPON AN/TVS-2A: (This item is nonexpendable)	ea	1									1-1	
Q-O-S A001B	5855-937-1661	NIGHT VISION SIGHT, CREW SERVED WEAPON (LESS IMAGE INTENSIFIER) VARIO MODEL 9927A: 65788; 83003	ea	1									1-1	
Q-O-S A001C	5855-791-1693	NIGHT VISION SIGHT, CREW SERVED WEAPON (LESS IMAGE INTENSIFIER) VARIO MODEL 9927B: 66636; 83003	ea	1									1-1	
P-P-T A002	5855-925-6896	ETEXTURE ASSEMBLY NIGHT ANGLE: SC-D-614350; 80063	ea	1	2	2	2						5-8	

SECTION V. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)

REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)														
(1) OR CODE INDEX NO.	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & UPR. CODE	(4) UNIT OF MEAS.	(5) QTY IN UNIT	(6) 30-DAY RS MAINT ALLOWANCE			(7) 30-DAY RS MAINT ALLOWANCE			(8) 1 YR RS MAINT ALLOWANCE FOR EQUIP	(9) DEPOT MAINT ALLOWANCE FOR EQUIP	(10) ILLUSTRATIONS	
					(a) 1-30	(b) 31-60	(c) 61-100	(a) 1-30	(b) 31-60	(c) 61-100			(a) FIG NO.	(b) ITEM NO. OR REFERENCE REVISION
P-0 A062	8020-109-3000	BRUSH, ARTIST; MILB-3365121; 81349	EA	1	•	•	•						1-1	
P-P-2 A063	5895-937-1670	CELL ASSEMBLY; SC-C-61A287-1; 80063	EA	1	•	•	•						2-4	
P-7 A068	5330-690-9743	PACKING PREPARED; MS9021-018; 96906	EA	1	•	•	2						3-4	8
G-O-7 A070		SHEET ASSEMBLY ME-779A/TW-2; SC-B-61A475; 80063	EA	1										
G-O-7 A070A	5895-937-1662	SHEET ASSEMBLY ME-779A/TW-2; SC-B-61A276; 80063	EA	1										
P-0 A071	5895-941-2887	CAP, MATHEW; SC-B-61A431; 80063	EA	1	•	•	2						5-1	1
P-0 A072	5895-965-0114	STEAMFIELD ASSEMBLY (SPARE PARTS ONLY); SC-B-61A703; 80063	EA	1	•	•	4						5-1	66

SECTION V. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)

(1) SAR CODE TEXT NO.	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR. CODE	(4) UNIT OF MEAS	(5) QTY INC. IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR MAINT ALLOWANCE EQUIP CUTBACK	(9) DEPOT MAINT ALLOWANCE EQUIP		(10) ILLUSTRATIONS	
					(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100		(a) FIG NO.	(b) ITEM NO. OR REFERENCE DESIGNATION		
P-F-T A073	1240-941-3037	KEYPIECE ASSEMBLY: SC-D-614601; 80063	ea	1	1	1	2					5-1	7		
P-F A104	5330-551-8252	PACKING, PREFORMED: MS9021-030; 96906	ea	1	1	2	2					5-1	2		
P-F A105	5340-947-3743	SPRING, BATTERY: SC-B-614427; 80063	ea	1	1	2	2					5-1	3		
P-F A110	5310-914-8274	NUT, RETAINING: SC-C-514600-2; 80063	ea	1	1	2	2					5-1	6		
P-F A111	5855-999-259	COVER: 13204E8288; 80063	ea	1	1	2	2					5-1	9		
P-F A112	5330-551-8251	PACKING, PREFORMED: MS9021-028; 96906	ea	1	1	2	2					5-1	10		
P-F A113	5340-946-7340	SFO, HELICAL, OSC: SC-B-614434; 80063	ea	1	1	2	2					5-1	11		
P-F A114	5855-022-6435	CAP ASSY: SC-C-614440; 80063	ea	1	1	2	2					5-1			

SECTION V. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)

(1) SIC CODE YEAR	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR. CODE	(4) UNIT OF MEAS	(5) QTY IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR MAINT ALLOWANCE PER 100 EQUIP COST	(9) ILLUSTRATIONS	
					(a) 1-30	(b) 31-60	(c) 61-100	(a) 1-30	(b) 31-60	(c) 61-100		(a) F10 NO.	(b) ITEM NO. OR REFERENCE NUMERATION
P-P A135	5305-91A-9902	SCRUB, MACHINES: SC-B-61A65A-3; 80063	00	2	0	2	2					5-1	30
P-P A136	5310-687-6012	WASHER, LOCK: SC-B-61A41B-1; 80063	00	2	0	2	2					5-1	31
P-P A147		WASHER, FLAT: SC-B-61A417-3; 80063	00	1	0	2	2					5-2	14
P-P A148	5310-687-6012	WASHER, LOCK: SAME AS A136	00	1								1.1	
P-P A149	5310-946-8007	ROT, FLAT, MECH: SC-B-61A419; 80063	00	1	0	2	2					5-2	11
P-P A153	5340-720-8064	RING, MECHANICAL: MB1662A-1025; 96906	00	1	0	2	2					1.1	17
P-P A153A	5340-803-6227	RING, MECHANICAL: MB1662A-1028; 96906	00	2	0	2	2					5-2	1
P-P A154	5315-910-9611	PIST, SHOOTER: SC-C-61A337; 80063	00	1	0	2	2					5-2	2
												5-2	16
												1	

SECTION V. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)

(1) SIC CODE INDEX NO.	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR. CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR MAINT PER EQUIP CITY	(9) DEPOT MAINT PER EQUIP CITY	(10) ILLUSTRATIONS	
					(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO.	(b) ITEM NO. OR REFERENCE DESIGNATION
P-F A155	5095-913-5005	SPACER, BUSHING: SC-B-61A339; 80063	ea	1	*	2	2						5-2 5-2	6 15
P-F A169	5340-880-8229	SPRING HELICAL: SC-B-61A332; 80063	ea	1	*	2	2						5-2 5-2	10 3
P-F A170	5305-937-57A1	SCREW, SHOULDER: SC-B-61A359; 80063	ea	1	*	2	2						5-2 5-2	2 2
P-F-S A181	5835-944-0949	ROCKET ASSEMBLY: SC-D-61A305; 80063	ea	1	*	2	2						5-2 5-2	1 1
P-F A182	5305-930-227A	BOLT, PINOT: SC-B-61A336; 80063	ea	1	*	2	2						5-1	23
P-F A183	5310-946-8007	NUT, FLAT, HEX: SAME AS A149	ea	1									5-1	20
P-F A184	5310-687-6012	WASHER, LOCK: SC-B-61A18-4; 80063	ea	1									5-1	21
P-F A185		WASHER, FLAT: SAME AS A147	ea	1									5-1	22

SECTION V. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)

(1) NA CODE SYMBOL NO.	(2) FEDERAL SUPPLY NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR. CODE	(4) UNIT OF MEAS	(5) QTY REQD PER UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALY PER EQUIP CITY	(9) DEPOT MAINT ALY PER EQUIP CITY	(10) ILLUSTRATIONS	
					(a) 1-50	(b) 51-100	(c) 101-150	(a) 1-25	(b) 26-50	(c) 51-100			(a) FIG NO.	(b) ITEM NO., OR REFERENCE RE-SUMMATION
P-P A186	5380-720-8064	RTB, REPAIRER: SAME AS A153	ea	1										
P-P A187	5315-910-9511	PTB, REPAIRER REARDED: SAME AS A154	ea	1										
P-P A188	5315-913-3951	PTB, REPAIRER: SC-C-614301-1; 80063	ea	1		2	2						5-2	3
P-P A189	5305-914-9508	SCHEM, MACHINES: SC-B-614664-3; 80063	ea	2									5-2	19
P-P A190	5310-914-8059	WASHER, LOCK: SC-B-614418-3; 80063	ea	3			2						5-2	20
P-P A191	5095-933-5025	SPACER, MOUNTING: SAME AS A155	ea	3										
XL-P A192		FRAME: 66117; 80063												
P-P A194	5305-937-3742	SCHEM: SC-B-614425; 80063	ea	1		2	2						5-2	9

SECTION V. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)

(1) SIC CODE YEAR	(2) FEDERAL SUPPLY NUMBER	(3) DESCRIPTION	(4) UNIT OF MEAS	(5) QTY IN UNIT	(6) 30-DAY BS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR PER EQUIP COST	(9) DEPOT MAINT FAC EQUIP	(10) ILLUSTRATIONS	
					(a)	(b)	(c)	(a)	(b)	(c)			(11) FIG NO.	(12) ITEM NO. OR REFERENCE DESIGNATION
XL-P A199	9895-933-7007	SPRING, HELICAL; SC-B-61A317-1; 80063	1	00	1									
XL-P A199		CLAMP: BUSH AS A160	1,2	00	1									
XL-P A199		REPAIR KIT: SC-C-61A365; 80063	1	00	1									
P-P A199	5305-957-3021	SCREW, HEX: SC-B-61A319-1; 80063	1	00	1		2		2				5-2	14
P-P A800	5310-779-6875	WASHER, WAVE: SC-B-61A335; 80063	1	00	1		2		2				5-2	15
P-P A801	9895-937-5316	WRENCH: SC-B-61A319; 80063	1	00	00		00		00				5-2	22
P-P A802	9895-933-5084	BLOCK, SLIDER: SC-C-61A304; 80063	1	00	1		00		00				5-2	16
XL-P A803		BLOCK ARM, ASSEMBLY: SC-B-61A303; 80063	1	00	1									

SECTION V. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)

(1) NA CODE SYMBOL NO.	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OR MEAS	(5) QTY IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR MAINT ALLOWANCE EQUIP CRNCY	(9) DEPOT MAINT ALLOWANCE EQUIP	(10) ILLUSTRATIONS	
					(a) 1-30	(b) 31-60	(c) 61-100	(a) 1-30	(b) 31-60	(c) 61-100			(a) FIG NO.	(b) ITEM NO. OR REFERENCE IDENTIFICATION
P-7 A274	5340-944-9919	RT2200, CLICES: SC-B-61A318; 80063	ea	1	1	2	2						5-2	18
P-0 A209	5875-791-1372	COVER ASSEMBLY NONSUBMIT: SC-D-61A480; 80063	ea	1	1	2	2						5-1	36
P-0 A230B	5875-982-6499	COVER ASSEMBLY: SC-C-61A380; 80063	ea	1	1	2	2						5-1	36
P-7 A232	5305-91A-9902	SCRM, MACHINES: SAME AS A135	ea	2									5-1	37
P-P-7 A276	5875-937-1895	CELL ASSEMBLY: SC-C-61A587-2; 80063	ea	1	1	2	2							
P-7 A281	5330-690-9743	PACKING PERFORMED: SAME AS A068	ea	1	1								3-4	8
P-7 A283	5330-551-8851	PACKING PERFORMED: SAME AS A068	ea	1	1								5-1	51
P-0 A298	6840-941-1255	LAMP, MIXILATURE: SAME AS A055	ea	1	1								3-4	
P-2-7 A233	5875-937-1444	LENS ASSEMBLY; OBJECTIVE SC-B-61A577; 80063	ea	1	1	2	2						5-1	52

SECTION V. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)

(1) FEDERAL STOCK NUMBER	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR. CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR MAINT ALLOW PER EQUIP CATEGORY	(9) DEPOT MAINT ALLOW PER EQUIP		(10) ILLUSTRATIONS	
					(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100		(a) FIG NO.	(b) ITEM NO. OR REFERENCE DESIGNATION		
P-F A301	5355-961-1512	KNOB: SC-B-614324; 80063	ea	1	*	2	2					5-1	63		
P-F A304	5355-904-9517	KNOB CONTROL: SC-C-514405; 80063	ea	1	*	2	2					5-1	55		
P-F A305	5305-925-5598	SETSCREW: NS18064-6; 96906	ea	1	*	2	2					5-1	54		
P-F A350	5340-944-9519	SPRING, CLICK: SAME AS A304	ea	1											
P-F A352	5305-914-5902	SCREW, MACHINE: SAME AS A135	ea	1								5-1	59		
P-F A353	5310-779-5879	WASHER, WAVE: SAME AS A200	ea	1								5-1	31		
P-F A354	5855-937-5316	SHIM: SAME AS A201	*	1											
P-F A355	5855-937-6419	RETAINER BORELIGHT: SC-B-614331; 80063	ea	1								5-1	29		

SECTION 7. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)

(1) NOMEN- CLATURE SYMBOL NO.	(2) FEDERAL SPEC. NUMBER	(3) DESCRIPTION	(4) UNIT OF MEAS	(5) QTY IN UNIT	(6) 30-DAY RS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ADJUTANT GENERAL EQUIP FOR CINCPAC EQUIP	(9) ILLUSTRATIONS	
					(a) 1-50	(b) 21-50	(c) 51-100	(d) 1-50	(e) 21-50	(f) 51-100		(a) FIG NO.	(b) ITEM NO. OR REFERENCE DESIGNATION
P-5 A371	5305-905-6905	SCHEM, MACHINE: SAME AS A300	ea	2	•	2	2					5-1	32
P-5a2 A360	5055-931-2790	TOOL, 20MM IIA: MC-753/4/49; 80053	ea	1	•	•	2					5-3	3
P-0 A369	6135-985-0087	BATTERY: BULLDOG; 96505	ea	1	4	11	20					5-1	4
P-0 A370	5055-911-0703	ADAPTER AMT, 50; 50. CALLIER MACHINE GUN: 1330A2398; 97403	ea	1	•	•	2					2-1	2
P-0 A371	5055-911-0704	ADAPTER AMT, 540, 160MM RECOILING RIFLE: 1331382367; 97403	ea	1	•	•	2					2-3	
P-0 A372	5055-911-0705	ADAPTER AMT 20MM; AUTOMATIC CAMBER: 1331382319; 97403	ea	1	•	•	2						

SECTION VII. INDEX-FEDERAL STOCK NUMBER CROSS REFERENCE TO INDEX NUMBER

FEDERAL STOCK NUMBER	INDEX NO.	FEDERAL STOCK NUMBER	INDEX NO.	FEDERAL STOCK NUMBER	INDEX NO.
GROUP I					
1240-941-3037	72	5310-687-6012	121	5315-913-3951	141
5305-943-3955	131	5310-779-6879	129	5315-949-5950	124
5305-946-5558	113	5310-914-8863	1428	5330-060-0608	124
5305-930-8873	168	5310-914-8866	12	5330-551-8251	70
5305-930-8874	119	5310-914-8874	29	5330-551-8252	64
5305-930-8875	110	5310-914-8899	61	5330-579-8108	170
5305-930-5608	105	5310-914-8999	111	5330-808-8076	196
5305-930-6585	262	5310-933-4964	164	5340-780-8064	1394
5305-933-4965	1404	5310-937-4855	135	5340-803-6287	139
5305-937-8080	108	5310-946-8007	120	5340-990-4413	30
5305-937-8081	153	5310-947-3758	122	5340-944-9519	130
5305-999-6877	247	5310-999-6873	166	5340-945-8414	125
		5315-910-9611	138	5340-946-7340	71

SECTION VII. INDEX-FEDERAL STOCK NUMBER CROSS REFERENCE TO INDEX NUMBER (CONTINUED)

FEDERAL STOCK NUMBER	INDEX NO.	FEDERAL STOCK NUMBER	INDEX NO.	FEDERAL STOCK NUMBER	INDEX NO.
5340-947-3743	65	5855-922-6435	97	5855-925-9240	263
5340-999-6280	123	5855-922-6433	136	5855-933-5024	161A
5355-904-9517	112	5855-922-6455	143	5855-933-5025	142C
5355-904-6777	133	5855-922-6459	173	5855-933-7007	161
5355-904-8998	162	5855-925-0114	73	5855-937-1664	233
5355-904-1312	117	5855-925-0243	194	5855-937-5316	58
5835-944-0949	137	5855-925-0244	174	5855-937-6419	127
5855-951-4792	60	5855-925-0296	11	5855-941-5881	260
5855-903-4043	2	5855-925-7807	167	5855-941-5887	63
5855-911-0703	26A	5855-925-7993	159A	5855-943-0685	186
5855-911-0704	265	5855-925-8009	172	5855-943-5309	29
5855-911-0705	266	5855-925-8058	62	5855-999-9259	69
5855-911-1370	1	5855-925-9057	169	5855-999-9260	4
				5855-999-9261	3

SECTION VII. INDEX-FEDERAL STOCK NUMBER CROSS REFERENCE

TO INDEX NUMBER (CONTINUED)

FEDERAL STOCK NUMBER	INDEX NO.	REF. NUMBER	INDEX NO.	REF. NUMBER	INDEX NO.
5855-999-9863	258	MEU6355-76	104	1320MB304	103
5905-686-3121	118	MEU6355-78	108	1320MB354	105
5905-835-1633	115	SC-B-61A320	176	1320MB368	107
5905-951-6200	116	SC-C-61A365	152	1320MB369	106
5930-939-7438	114	SC-C-61A407	177	13205E977	193
5940-688-6005	109	SC-C-61A416-5	134	13213E278	57
5940-924-8044	66	SC-C-61A624	75	13213E281	189
6135-926-0827	5	SC-D-61A302	142	13213E282	191
6240-941-1255	8	SC-D-61A303	155	13213E283	192
6250-937-1862	181	SC-D-61A307	151	13213E284	190
6330-580-2278	136A	SC-D-61A697	74	13213E285	187
6640-597-6745	7	1320MB285	68	13213E286	188
8020-409-3000	6	1320MB286	67	13213E293	178

SECTION VII. INDEX-FEDERAL STOCK NUMBER CROSS REFERENCE TO INDEX NUMBER (CONTINUED)

REF. NUMBER	INDEX NO.	FEDERAL STOCK NUMBER	INDEX NO.	FEDERAL STOCK NUMBER	INDEX NO.
1321302320	179	5305-905-6505	A377	5315-910-9611	A154
1321302368	178A	5305-906-5598	A305	5315-913-3951	A188
132130757	166A	5305-930-2274	A182	5330-951-8051	A122
132130760	162	5305-935-5741	A170	5330-951-8052	A104
132130763	163	5305-937-2021	A199	5330-690-9743	A068
132130764	164	5305-937-5742	A194	5340-780-8064	A153
		5310-687-6012	A136	5340-803-6287	A153A
		5310-779-6879	A200	5340-944-9519	A804
		5310-880-9182	A147	5340-880-8229	A169
		5310-914-8063	A190	5340-946-7340	A113
		5310-914-8066	A003	5340-947-3743	A105
		5310-914-8274	A110	5355-904-9517	A304
		5310-946-8007	A149	5355-961-1512	A301
GROUP II					
FEDERAL STOCK NO.	INDEX NO.				
1240-941-3037	A073				
5305-914-5902	A135				

SECTION VII. INDEX-FEDERAL STOCK NUMBER CROSS REFERENCE

TO INDEX NUMBER (CONTINUED)

FEDERAL STOCK NUMBER	INDEX NO.	FEDERAL STOCK NUMBER	INDEX NO.	FEDERAL STOCK NUMBER	INDEX NO.
5855-944-0949	A181	5855-937-1661	A001B	6240-941-1255	A055
5855-987-3144	A001	5855-937-1662	A070A	6640-597-6745	A061
5855-752-1653	A001C	5855-937-1670	A063	8080-409-3000	A062
5855-752-3356	A001A	5855-937-1895	A276	NEW. NO.	INDEX NO.
5855-752-1372	A209	5855-937-5316	A201	800614307	A197
5855-903-4043	A052	5855-937-6419	A355	800614365	A198
5855-911-2703	A370	5855-941-5887	A071	800614303	A203
5855-911-0704	A371	5855-943-5509	A028	800614475	A070
5855-911-0705	A372	5855-951-2792	A368	66117	A192
5855-928-6435	A114	5855-999-9859	A111		
5855-928-6459	A200	5855-999-9260	A054		
5855-925-0216	A072	5855-999-9861	A053		
5855-925-6896	A002	6135-986-0827	A369		
5855-923-5024	A202				
5855-933-5085	A155				
5855-933-7007	A195				

SECTION VIII. INDEX-FIGURE AND ITEM NUMBER CROSS REFERENCE TO INDEX NUMBER

FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.	FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.
3-2	GROUP 1 3, 4	151		26	137
3-3	3, 4	151		27	137
3-1	1	63		28	159A
	2	64		29	137
	3	65		30	158
	4	66		31	159
	5	67		32	134
	6	68		33	135
	7	69		34	133
	8	70		35	136
	9	71		36	173
	10	72		37	165
	11	73		38	193
	12	74		39	168
	13	75		40	167
	14	76		41	169
	15	77		42	191
	16	78		43	163
	17	79		44	165
	18	80		45	61
	19	81		46	165
	20	82		47	162
	21	83		48	166
	22	84		49	168
	23	85			
	24	86			
	25	87			

SECTION VIII. INDEX-FIGURE AND ITEM NUMBER CROSS REFERENCE TO INDEX NUMBER (CONTINUED)

FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.	FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.
5-1	49	167		2	130
	50	169		3	141
	51	170		5	142B
	52	194		6	158C
	53	258		7	142
	54	113		8	161
	55	112		12	151
	56	114		13	152
	58	130		14	153
	59	131		15	156
	60	132		16	161A
	61	116		17	155
	62	136A		18	159
	63	117		19	157
	65	263		20	158
	66	74		21	159
	69	58		22	154
	70	260	5-3	3	60
	71	174		RL	115
	72	262	5-4	RS	118
	77	172			
	79	96			
	80	196	5-6	1	12
	188	109		2	30
5-2	1	139A		3	18A

SECTION VIII. INDEX-FIGURE AND ITEM NUMBER CROSS REFERENCE TO INDEX NUMBER (CONTINUED)

FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION GROUP II	INDEX NO.	FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.
2-1	2	A370		36	A809
3-1	8	A680		36	A230D
	8	A801		37	A232
5-1	1	A071		51	A883
	2	A104		54	A305
	3	A105		55	A304
	4	A369		59	A352
	6	A110		63	A301
	7	A073		66	A072
	9	A111		69	A354
	10	A112	5-2	1	A153A
	11	A113		2	A154
	20	A183		3	A186
	24	A184		6	A155
	22	A185		9	A156
	23	A182		10	A169
	29	A355		14	A199
	30	A155		15	A800
	31	A156		16	A802
	32	A553		18	A804
				19	A189
				20	A190
				22	A801

SECTION VIII. INDEX-FIGURE AND ITEM NUMBER CROSS REFERENCE TO INDEX NUMBER (CONTINUED)

FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.	FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.
5-2.1	2	AL70			
	3	AL69			
	11	AL49			
	14	AL47			
	15	AL55			
	16	AL94			
	17	AL53			
5-3	3	A368			
5-8	1	A003			

By Order of the Secretary of the Army:

W. C. WESTMORELAND,
General, United States Army,
Chief of Staff.

Official:

KENNETH G. WICKHAM,
Major General, United States Army,
The Adjutant General.

Distribution:

Active Army:

USASA (2)
CNGB (1)
CofEngrs (1)
USACDCCEA (1)
USAMB (10)
USARV (10)
USAMC (5)
USCONARC (5)
OS Maj Comd (5)
7th Army (10)
8th Army (10)
USA FA Sch (25)
USAESC (40)
USAES (25)
USATC Inf (10)
SAAD (30)
LEAD (7)
TOAD (14)
USATC Armor (10)
Sig FLDMS (1)

Distribution :

Active Army:

Units org under fol TOE:

(2 cys each)

5-127

5-146

5-155

5-237

7-15

7-18

7-35

7-45

11-158

11-587

11-592

11-597

17-18

17-35

17-37

17-55

17-75

17-95

17-105

17-107

17-117

17-127

17-157

29-16

29-26

29-137

NG: State AG (8)

USAR: None.

For explanation of abbreviations used, see AR 320-50.

Changes in force: C 1, C 2, C 3, and C 4

TM 11-5855-202-13

C 4

CHANGE

No. 4

**HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, 6 October 1975**

**Operator's, Organizational, and Direct Support
Maintenance Manual Including Repair Parts
and Special Tools List**

**NIGHT VISION SIGHT, CREW SERVED WEAP-
ONS AN/TVS-2 AND AN/TVS-2A**

TM 11-5855-202-13, 27 April 1967, is changed as follows:

Page 5, paragraph 1-2, subparagraph *b*. Delete the third sentence of paragraph 1-2*b*.

Page 6, paragraph 1-3 is superseded as follows:

1-3 Forms and Records

a. Reports of Maintenance and Unsatisfactory Equipment. Maintenance forms, records, and reports which are to be used by maintenance personnel at all maintenance levels are listed in and prescribed by TM 38-750.

b. Report of Packaging and Handling Deficiencies. Fill out and forward DD Form 6 (Packaging Improvement Report) as prescribed in AR 700-58/NAVSUPINST 4030.29/AFR 71-13/MCO P4030-29A, and UDSAR 4145.8

c. Discrepancy in Shipment Report (DISREP) (SF 361). Fill out and forward Discrepancy in Shipment Report (DISREP) (SF 361) as prescribed in AR 55-38/NAVSUPINST 4610.33A/AFR 75-18/MCO P4610.19B, and DSAR 4500.15.

1-3.1. Reporting of Errors

The reporting of errors, omissions, and recommendations for improving this publication by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to Publications and Blank Forms) and forwarded direct to Commander, US Army Electronics Command, ATTN: AMSEL-MA-Q, Fort Monmouth, NJ 07703.

Page 10, paragraph 1-7. After paragraph 1-7 add:

1-8. Items Comprising an Operable Equipment

<i>NSN</i>	<i>QTY</i>	<i>Nomenclature, part No., and mfr code</i>	<i>Fig. No.</i>
		NOTE	
		The part number is followed by the applicable 5-digit Federal supply code for manufacturers (FSCM) identified in SB 708-42 and used to identify manufacturer, distributor, or Government agency, etc.	
5855-00-937-1661		Night Vision Sight, Crew Served Weapons 9927: 13213E2277; 97403	1-1
6135-00-926-0827	1	Night Vision Sight, Crew Served Weapon 9927A: SC-D-614275; 80063 Battery, Mercury: BA-1100/U; 96906	1-1

1-8. Items Comprising an Operable Equipment—Continued

Fig.
No.

NSN QTY Nomenclature, part No., and mfr code

NOTE

Dry batteries shown are used with the equipment but are not considered part of the equipment. They will not be pre-shipped automatically but are to be requisitioned in quantities necessary for the particular organization in accordance with SB 11-6.

5855-00-999-9261	1	Brush, Artist: H-B-118; 96906-----	1-1
5855-00-999-9260	1	Cushion, Bottom: SC-B-614379; 80063-----	1-1
5855-00-925-6986	1	Cushion, Top: SC-B-614378; 80063-----	1-1
	1	Eyeiece, Right Angle: SC-C-614350; 80063 (used on 9927 model)-----	1-1
	1	Night Vision Sight Assembly: 13213E-2278; 97403 (used on 9927 only)-----	1-2
6640-00-597-6745	2	Paper, Tissue: NNN-P-40; 96906-----	1-1
		Sight Assembly: SC-D-614276; 80063 (used on 9927A only)---	

1-9. Expendable Consumable Supplies and Materials

Expendable consumable supplies and materials are listed in table 1-1.

Table 1-1. Expendable Consumable Supplies and Materials

The supplies and materials listed in this table are required for operation of this equipment and are authorized to be requisitioned by CTA 50-970. The NSN for the applicable unit of issue required can be found in appropriate supply catalogs. The FSCM is used as an element in item identification to designate manufacturer or distributor or Government agency, etc., and is identified in SB 708-42.

<i>Item</i>	<i>Description</i>	<i>Ref No. and FSCM</i>	<i>FSC</i>
1	Paper, Tissue	NNN-P-40; 96906	6640

Page 12, paragraph 2-2, subparagraph *c*. Delete the second sentence of paragraph 2-2*c*.

Page 47, paragraph 4-2. In the second sentence delete "basic issue items list (app. B)" and add : items comprising an operable equipment (para 1-8).

Page 48, paragraph 4-3, Sequence No. 1. Delete "App. B" from the References column.

Page 97, appendix B. Delete appendix B and substitute :

APPENDIX B

BASIC ISSUE ITEMS LIST (BIIL) AND ITEMS TROOP INSTALLED OR AUTHORIZED LIST (ITIAL)

Section I. INTRODUCTION

B-1. Scope

This appendix lists only basic issue items required by the crew/operator for installation, operation, and maintenance of the Night Vision Sight : Crew Served Weapons Models 9927 and 9927A.

B-2. General

This Basic Issue Items and Items Troop Installed or Authorized List is divided into the following sections :

a. Basic Issue Items List—Section II. A list, in alphabetical sequence, of items which are furnished with, and which must be turned in with the end item.

b. Items Troop Installed or Authorized List—Section III. A list, in alphabetical sequence of items which, at the discretion of the unit commander, may accompany the end item, but are not subject to be turned in with the end item.

B-3. Explanation of Columns

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

a. Illustration. This column is divided as follows:

(1) *Figure Number.* Indicates the figure number of the illustration in which the item is shown.

(2) *Item Number.* Not applicable.

b. National Stock Number. Indicates the National stock number assigned to the item and will be used for requisitioning purposes.

c. Description. Indicates the Federal item name and a minimum description required to identify the item.

(1) *Part Number.* Indicates the primary number used by the manufacturer (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications standards, and inspection requirements, to identify an item or range of items.

(2) *Federal Supply Code for Manufacturer (FSCM).* The FSCM is a 5-digit numeric code used to identify the manufacturer, distributor, or Government agency, etc., and is identified in SB 708-42.

d. Unit of Measure (U/M). Indicates the standard of basic quantity of the listed item as used in per-

forming the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea, in., pr, etc.). When the unit of measure differs from the unit of issue, the lowest unit of issue that will satisfy the required units of measure will be requisitioned.

e. Quantity Furnished With Equipment (Basic Issue Items Only). Indicates the quantity of the basic issue item furnished with the equipment.

f. Quantity Authorized (Items Troop Installed or Authorized Only). Indicates the quantity of the item authorized to be used with the equipment.

Section II. BASIC ISSUE ITEMS LIST

(1) Illustration (A) Fig. No. (B) Item No.	(2) National stock number	(3) Description Part number & FSCM	(4) Qty furn with equip
1-1 -----	5855-00-903-4043	CASE, CARRYING: SC-B-614377 (80063).	1
	5855-00-922-6459	COVER, BORESIGHT: SC-C-614380 (80063).	1

Section III. ITEMS TROOP INSTALLED OR AUTHORIZED LIST

(1) National stock number	(2)		(3) U/M	(4) Qty auth
	Part number and FSCM	Description Usable on code		
1090-00-911-0703	ADAPTER ASSEMBLY M2 .50 CALIBER MACHINE GUN: 13204E2398 (97403).		ea	1
1090-00-911-0704	ADAPTER ASSEMBLY, M40 106-mm RE- COILLESS RIFLE: 13213E2367 (97403).		ea	1
1090-00-911-0705	ADAPTER ASSEMBLY, 20-mm AUTO- MATIC CANNON: 13213E2319 (97403).			

By Order of the Secretary of the Army:

FRED C. WEYAND

General, United States Army

Official:

Chief of Staff

PAUL T. SMITH

Major General, United States Army

The Adjutant General

Distribution:

Active Army:

USASA (2)	USAFAS (10)
Dir of Trans (1)	USAARMS (15)
COE (1)	USAIS (15)
TSG (1)	USAES (15)
USAARENBD (1)	USAINTCS (3)
AMC (1)	WRAMC (1)
TRADOC (2)	ATS (1)
ARADCOM (2)	Fort Gillem (10)
ARADCOM Rgn (2)	Fort Gordon (10)
OS Maj Comd (4)	Fort Huachuca (10)
LOGCOMDS (3)	Fort Carson (5)
MICOM (2)	Ft Richardson
TELCOM (2)	(ECOM Ofc) (2)
USAIB (2)	WSMR (1)
USAIC (5)	MAAG (1)
USACC (4)	USARMIS (1)
MDW (1)	Army Dep (1) except
Armies (2)	LBAD (14)
Corps (2)	SAAD (30)
HISA (Ft Monmouth)	TOAD (14)
(43)	SHAD (3)
Svc Colleges (1)	USA Dep (2)
USASESS (5)	Sig Sec USA Dep (2)
USAADS (100)	Sig Dep (2)

Sig FLDMS (1)		7-47	17-99
USAERDAA (1)		7-55	17-100
USAERDAW (1)		7-58	17-105
Unit org under fol TOE		7-100	17-106
(1 each):		11-35	17-107
5-127	17-16	11-36	17-117
5-145	17-18	11-37	17-127
5-147	17-27	11-38	29-16
5-155	17-35	7-36	29-26
5-157	17-36	11-39	29-134
7	17-37	11-95	29-136
7-15	17-51	11-117	29-137
7-16	17-55	11-215	37
7-18	17-56	11-216	27-100
7-35	17-57	11-500	57
7-37	17-75	(AA-AC)	
7-45	17-77	17	57-100
7-46	17-95	17-15	5-146

NG: State AG (3).

USAR: None.

For explanation of abbreviations used, see AR 310-50.

Changes in force: C 1, C 2, C 3, C 4, C 5 and C 6

TM 11-5855-202-13

C 6

CHANGE } **HEADQUARTERS**
 } **DEPARTMENT OF THE ARMY**
NO. 6 } **WASHINGTON, DC 20 March 1978**

**OPERATOR, ORGANIZATIONAL, AND DS
MAINTENANCE MANUAL**

**NIGHT VISION SIGHT, CREW SERVED
WEAPONS**

**AN/TVS-2 (NSN 5855-00-087-3144);
AN/TVS-2A (NSN 5855-00-791-3358);
AND**

AN/TVS-2B (NSN 5855-00-484-8638)

TM 11-5855-202-13, 27 April 1967 is changed as follows:

The title of the manual is changed as shown above.

Page 6. Paragraphs 1-3.2, and 1-3.3 are added after paragraph 1-3.1.

**1-3.2. Reporting Equipment Improvement
Recommendations (EIR)**

EIR will be prepared using DA Form 2407 (Maintenance Request). Instructions for preparing EIR's are provided in TM 38-750, The Army Maintenance Management System. EIR's should be mailed direct to Commander, US Army Electronics Command, ATTN: DRSEL-MA-Q, Fort Monmouth, NJ 07703. A reply will be furnished direct to you.

1.3.3. Administrative Storage

Administrative storage of equipment issued to and used by Army activities shall be in accordance with TM 740-90-1.

Page 47. Paragraph 4-2, second sentence. Change "repair parts and special tools list (app. D)" to read "TM 11-5855-202-23P."

Page 53. Paragraph 5-2. Change "the repair parts and special tools list (app. D)" to read "TM 11-5855-202-23P."

Paragraph 5-3a. Change "appendix D" to read "TM 11-5855-202-23P."

Page 56. Paragraph 5-3b. Change "appendix D" to read "TM 11-5855-202-23P."

Page 95. Appendix A. TB SIG 364 is superseded as follows:

TB 43-0118 Field Instructions for Painting and
 Preserving Electronics Command
 Equipment Including Camouflage
 Pattern Painting of Electrical
 Equipment Shelters.

Change the title of TM 38-750 to read: "The Army Maintenance Management Systems (TAMMS)."

Add the following publications:

TM 11-5855-202-23P Organizational and Direct
 Support Maintenance
 Repair Parts and Special
 Tools List (Including De-
 pot Maintenance Repair
 Parts and Special Tools)
 For Night Vision Sight,
 Crew Served Weapons

**AN/TVS-2, AN/TVS-2A,
and AN/TVS-2B.**

TM 740-90-1

**Administrative Storage of
Equipment.**

Page 105. Appendix C is superseded as follows:

APPENDIX C

MAINTENANCE ALLOCATION

Section i. INTRODUCTION

C-1. General

This appendix provides a summary of the maintenance operations for Night Vision Sight, Crew Served Weapons AN/TVS-2, AN/TVS-2A and AN/TVS-2B. It authorizes categories of maintenance for specific for maintenance functions on repairable items and components and the tools and equipment required to perform each function. This appendix may be used as an aid in planning maintenance operations.

C-2. Maintenance Function

Maintenance functions will be limited to and defined as follows:

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 to 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 the specified parameters.

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 equipments 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.

g. Install. The act of emplacing, seating, or fixing into position an item, part, module (component or assembly) in a manner to allow the proper functioning of the 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 (inspect, test, service, adjust, align, calibrate, replace) or other maintenance actions (welding, grinding, riveting, straightening, facing, remachining, or resurfacing) 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.

j. Overhaul. That maintenance effort (service/action) 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 materiel 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.

C-3. Column Entries

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.

b. Column 2, Component/Assembly. Column 2 contains the noun names of 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. When items are listed without maintenance functions, it is solely for purpose of having the group numbers in the MAC and RPSTL coincide.

d. Column 4, Maintenance Category. Column 4 specifies, by the listing of a "worktime" 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 that maintenance function at the indicated category of maintenance. If the number or complexity of the tasks within the listed maintenance function vary at different maintenance categories, appropriate "worktime" figures will be shown for each category. The number of task-hours specified by the "worktime" 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, 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. Subcolumns of column 4 are as follows:

- C—Operator/Crew
- O—Organizational
- F—Direct Support
- H—General Support
- D—Depot

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

f. Column 6, Remarks. Column 6 contains an alphabetic code which leads to the remark in section IV, Remarks, which is pertinent to the item opposite the particular code.

C-4. Tool and Test Equipment Requirements (Sec III)

a. Tool or Test Equipment Reference Code. The numbers in this column coincide with the numbers used in the tools and equipment column of the MAC. The numbers indicate the applicable tool or test equipment for the maintenance functions.

b. Maintenance Category. The codes in this column indicate the maintenance category allocated the tool or test equipment.

c. Nomenclature. This column lists the noun name and nomenclature of the tools and test equipment required to perform the maintenance functions.

d. National/NATO Stock Number. This column lists the National/NATO stock number of the specific tool or test equipment.

e. Tool Number. This column lists the manufacturer's part number of the tool followed by the Federal Supply Code for manufacturers (5-digit) in parentheses.

C-5. Remarks (Sec IV)

a. Reference Code. This code refers to the appropriate item in section II, column 6.

b. Remarks. This column provides the required explanatory information necessary to clarify items appearing in section II.

Section II. MAINTENANCE ALLOCATION CHART FOR NIGHT VISION SIGHT, CREW SERVED WEAPONS AN/TVS-2, AN/TVS-2A, AND AN/TVS-2B

(1) GROUP NUM- BER	(2) COMPONENT ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE CATEGORY					(5) TOOLS AND EQPT.	(6) RE- MARKS
			C	O	F	H	D		
00	NIGHT VISION SIGHT, CREW SERVED WEAPONS AN/TVS-2, AN/TVS-2A, AND AN/TVS-2B.	Inspect.....	0.1					1, 2	A
		Test.....			0.2				
		Service.....	0.1						
		Adjust.....	0.1						
		Install.....	0.1						
		Replace.....		0.1					
		Repair.....		0.1	0.5			1, 2	
		Repair.....					2.0	1 thru 32	
		Overhaul.....							
		Service.....	0.1						
01	CASE, CARRYING.....	Replace.....		0.1	0.2			2	B
		Repair.....							
		Repair.....					0.5		

(1) GROUP NUM- BER	(2) COMPONENT ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE CATEGORY					(5) TOOLS AND EQT.	(6) RE- MARKS
			C	O	F	H	D		
02	EYEPiece ASSEMBLY, RIGHT ANGLE.	Inspect.....	-----	-----	0.1	-----	-----	2 3 thru 9, 18 thru 21	C D
		Service.....	0.1	-----	-----	-----	-----		
		Install.....	-----	-----	0.1	-----	-----		
		Replace.....	-----	-----	0.1	-----	-----		
		Repair.....	-----	0.1	-----	-----	-----		
		Repair.....	-----	-----	0.2	-----	0.5		
03	NIGHT VISION SIGHT SUBASSEMBLY -- MX-7794/TVS-2, MX-7794A/TVS-2, MX- 7794B/TVS-2.	Inspect.....	-----	-----	0.1	-----	-----	1 thru 32	E F G
		Test.....	-----	-----	0.1	-----	-----		
		Test.....	-----	-----	-----	-----	0.3		
		Service.....	0.1	-----	-----	-----	-----		
		Repair.....	0.1	-----	-----	-----	-----		
		Repair.....	-----	0.2	-----	-----	-----		
0301	EYEPiece ASSEMBLY	Repair.....	-----	-----	0.2	-----	1.0	1 thru 32	E F G
		Repair.....	-----	-----	-----	-----	-----		
		Repair.....	-----	-----	-----	-----	-----		
0301	EYEPiece ASSEMBLY	Inspect.....	-----	-----	0.1	-----	-----	1 thru 32	E F G
		Service.....	0.1	-----	-----	-----	-----		
		Install.....	-----	-----	0.1	-----	-----		

(1) GROUP NUM- BER	(2) COMPONENT ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE CATEGORY					(5) TOOLS AND EQUIP.	(6) RE- MARKS
0004	IMAGE INTENSIFIER ASSEMBLY.....	Inspect.....	C	O	F	H	D	10 thru 17, 22 thru 32 2 10 thru 17, 22 thru 32 J	
		Test.....			0.1	-----	0.2		
		Replace..... Repair.....			0.1	-----	1.0		
0005	BORESIGHT ASSEMBLY.....	Inspect.....			0.1	-----		2 2	
		Replace.....			0.1	-----			
		Repair.....			0.3	-----			

Section III. MAINTENANCE ALLOCATION CHART FOR

NIGHT VISION SIGHT, CREW SERVED WEAPONS AN/TVS-2, AN/TVS-2A, AND AN/TVS-2B

TOOL OR TEST EQUIP- MENT REF CODE	MAINTENANCE CATEGORY	NOMENCLATURE	NATIONAL NATO STOCK NUMBER	TOOL NUMBER
1	F	MULTIMETER TS-882B/U	6825-00-453-0148	AF-628 (28008)
2	F	TOOL KIT, ELECTRONIC EQUIPMENT TE-100/G	5190-00-405-0079	SA-982N (28008)
3	D	FIXTURE, OBJECTIVE LENS ASSEMBLY		(28008)
4	D	TOOL, OBJECTIVE LENS, END CAP		AF-984 (28008)
5	D	FIXTURE, PRIMARY MIRROR ALIGNMENT		(28008)
6	D	TOOL, LOADING CELL		HF-419 (28008)
7	D	FIXTURE, SECONDARY MIRROR AND RETICLE ADJUST		SA-982N (28008)
8	D	TOOL, RETICLE LOCKNUT		(28008)
9	D	TOOL, OBJECTIVE LENS 1ST ELEMENT LOCK- NUT		SA-987N (28008)
10	D	GAGE, RETAINING RING TO PHOTOCATHODE		CI1804E12B (18282)

TOOL OR EQUIP- MENT REF CODE	MAINTENANCE CATEGORY	NOMENCLATURE	NATIONAL/ NATO STOCK NUMBER	TOOL NUMBER
11	D	TOOL, AC INPUT PIN WRENCH		5DB664218 (10250)
12	D	TOOL, RETAINING RING WRENCH		5DB660062 (10250)
13	D	TOOL, TUBE REMOVAL FROM HOUSING		5DB660070 (10250)
14	D	FIXTURE, ALIGNMENT PIN DRILL		5DB664218 (10250)
15	D	GAGE, AC INPUT PIN LOCATION		5DC676000 (10250)
16	D	GAGE, SCREEN AREA		5DB660080 (10250)
17	D	GAGE, RETICLE SEPARATION		5DB666562 (10250)
18	D	OSCILLATOR TESTER		101 (32085)

19	D	TEST TUNNEL, LOW LIGHT LEVEL SYSTEM	3107 (22046)
20	D	BATTERY TEST SET, TS-183/U	16250
21	D	IMMERSION TEST TANK (3' x 1 1/4' x 4' DEEP)	II-125 (22046)
22	D	TESTER EBI GAIN, RESOLUTION	K-1B (23985)
23	D	TESTER, TUBE MTF	18200070000
24	D	TESTER, TUBE PHOTOMETRIC	(23985)
25	D	TESTER, MODULE SCREEN QUALITY	5-21071-E
26	D	TESTER, MODULE RESOLUTION	(37480)
27	D	TESTER, MODULE PHOTOMETRIC	5-20757-E
28	D	TESTER, PARTICLE COUNTER	(37480)
29	D	TESTER, OPTICAL ALIGNMENT	18200080000
30	D	TESTER, BURN-IN	(89944)
31	D	TESTER, MULTIPLIER, IMAGE TUBE	PC-200 (12354)
32	D	RETICLE ALIGNMENT TEST FIXTURE	5-22323
			(37480)
			SCD-676060
			(16250)
			101 (22046)
			5D-B-706040
			(16250)

0625-00-224-5174

Section IV. REMARKS

REFERENCE CODE	REMARKS
<p>A B C D E F G H I J</p>	<p>REPLACEMENT OF CARRYING CASE CUSHIONS. BY REPLACEMENT OF NAMEPLATES AND HARDWARE. BY REPLACEMENT OF EYEPiece CAP. BY REPLACEMENT OF RETAINING RING, RETAINING NUT, AND O-RING. BY REPLACEMENT OF LAMP AND BATTERY. BY REPLACEMENT OF BATTERY CAP, BATTERY CAP O-RING, QUICK DISCONNECT SHAFT O-RING, AND BORESIGHT COVER. BY REPLACEMENT OF OSCILLATOR ASSEMBLY, KNOBS, HARDWARE, AND ELECTRICAL COMPONENTS. BY REPLACEMENT OF EYESHIELD. BY REPLACEMENT OF O-RING AND RETICLE CELL. THE IMAGE INTENSIFIER ASSEMBLY, OVERHAUL, REPAIR AND TESTING IS COVERED BY USAECOM DMWR 11-3655-228-50.</p>

Page 115. Appendix D is rescinded.

By Order of the Secretary of the Army:

BERNARD W. ROGERS
General, United States Army
Chief of Staff

Official:

J. C. PENNINGTON
Brigadier General, United States Army
The Adjutant General

Distribution:

Active Army:

HISA (Ft Monmouth) (33)	USAIB (2)
USAINSCOM (2)	USAIC (2)
COE (1)	Army Dep (1) except
TSG (1)	Fort Carson (5)
USAARENBD (1)	Fort Gillem (10)
DARCOM (1)	Fort Gordon (10)
TRADOC (2)	Fort Huachuca (10)
OS Maj Comd (4)	Ft. Richardson (ECOM
TECOM (2)	Ofc) (2)
USACC (4)	LBAD (14)
MDW (1)	SAAD (30)
Armies (2)	TOAD (14)
Corps (2)	SHAD (3)
Svc Colleges (1)	USA Dep (1)
USASIGS (5)	Sig Sec USA Dep (1)
USAADS (2)	Units org under fol TOE
USAFAS (2)	5-127 7-18
USAARMS (2)	5-145 7-35
USAIS (2)	5-146 7-36
USAES (2)	5-147 7-37
USAICS (3)	5-155 7-45
MAAG (1)	5-157 7-46
USARMIS (1)	7 7-47
USAERDAA (1)	7-15 7-55
USAERDAW (1)	7-16 7-58

7-100	11-500	17-55	29-16
11-35	(AA-AC)	17-56	29-26
11-36	17	17-57	29-134
11-37	17-15	17-95	29-136
11-38	17-16	17-99	29-137
11-39	17-18	17-100	37
11-95	17-27	17-105	37-100
11-117	17-35	17-106	57
11-215	17-36	17-107	57-100
11-216	17-37	17-117	29-207
	17-51	17-127	29-610

NG: State AG (3); Units—None

USAR: None

For explanation of abbreviations used see, AR 310-50

Changes in force: C1, C2, C4, C6 and C7

TM 11-5855-202-13

*C7

CHANGE } HEADQUARTERS
NO. 7 } DEPARTMENT OF THE ARMY
Washington, DC, 15 December 1983

**OPERATOR, ORGANIZATIONAL, AND DS
MAINTENANCE MANUAL**

**NIGHT VISION SIGHT, CREW SERVED
WEAPONS**

AN/TVS-2 (NSN 5855-00-087-3144);

AN/TVS-2A (NSN 5855-00-791-3358);

AND

AN/TVS-2B (NSN 5855-00-484-8638)

TM 11-5855-202-13, 27 April 1967 is changed as follows:

Add the following WARNING notice inside the front cover:

Crew served weapon sights which do not have a green knurled ring between the eyepiece assembly and the eyeshield or a green band around the eyepiece assembly present a possible eye hazard and must be turned in.

Page preceding page 1. Add radiation warning.

*This change supersedes C3, 10 Feb 1972 and C5, 25 Aug 1977.

Radiation Warning Information: The following radiation hazard information must be read and understood by all personnel before operating or repairing the Night Vision Sight AN/TVS-2 and AN/TVS-2A. Hazardous radioactive materials are present in the above listed components of the Night Vision Sight AN/TVS-2 and the AN/TVS-2A. The components are potentially hazardous when broken. See qualified medical personnel and the local Radiological Protection Officer (RPO) immediately if you are exposed to or cut by broken components. First aid instructions are contained in TB 43-0122, and AR 755-15.

**STD-RW-2**

Image Intensifier
Eye Piece Assembly

Th 232	Less than 30%	5855-00-951-8792
Th 232	Less than 30%	5855-00-941-3097

NEVER place radioactive components in your pocket. Use extreme care **NOT** to break radioactive components while handling them.

NEVER remove radioactive components from cartons until you are ready to use them.

If any of these components are broken, notify the local RPO immediately. The RPO will survey the immediate area for radiological contamination and will supervise the removal of broken components. The above listed radioactive components *will not* be repaired or disassembled.

Disposal of broken, unserviceable, or unwanted radioactive components will be accomplished in accordance with the instructions in AR 755-15.

Page 5, paragraph 1-2. Delete paragraph 1-2 and substitute:

1-2. Consolidated Index of Army Publications and Blank Forms

Refer to the latest issue of DA Pam 310-1 to determine whether there are new editions, changes or additional publications pertaining to the equipment.

Page 6. Delete paragraphs 1-3, 1-3.1, 1-3.2 and 1-3.3 and substitute:

1-3. Maintenance Forms, Records and Reports

a. Reports of Maintenance and Unsatisfactory Equipment. Department of the Army forms and procedures used for equipment maintenance will be those prescribed by TM 38-750, The Army Maintenance Management System.

b. Report of Packaging and Handling Deficiencies. Fill out and forward SF 364 (Report of Discrepancy (ROD)) as prescribed in AR 735-11-2/DLAR 4140.55/NAVMATINST 4355.73A/AFR 400-54/MCO 4430.3F.

c. Discrepancy in Shipment Report (DISREP) (SF 361). Fill out and forward Discrepancy in Shipment Report (DISREP) (SF 361) as prescribed in AR 55-38/NAVSUPINST 4610.33C/AFR 75-18/MCO P4610.19D/DLAR 4500-15.

1-3.1. 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, US Army Communications-Electronics Command and Fort Monmouth, ATTN: DRSEL-ME-MP, Fort Monmouth, New Jersey 07703. In either case, a reply will be furnished direct to you.

1-3.2. Reporting Equipment Improvement Recommendations (EIR)

If your AN/TVS-2(*) needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design. Put it on an SF 368 (Quality Deficiency Report). Mail it to Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: DRSEL-ME-MP, Fort Monmouth, New Jersey 07703. We'll send you a reply.

1-3.3. Administrative Storage

Administrative Storage of Equipment issued to and used by Army activities will have preventive maintenance performed in accordance with the PMCS charts before storing. When removing the

equipment from administrative storage the PMCS should be performed to assure operational readiness. Disassembly and repacking of equipment for shipment or limited storage are covered in chapter 6 and TM 740-90-1.

Add paragraph 1-3.4 after paragraph 1-3.3.

1-3.4. Destruction of Army Electronics Materiel

Destruction of Army electronics materiel to prevent enemy use shall be in accordance with TM 750-244-2.

Page 10, paragraph 1-7. After the chart, add:

Warning: If the crew served weapons sight does not have the green knurled ring or the green band it must be turned in.

a. A green foil band around the eyepiece assembly indicates the eyepiece assembly is free from radiation.

b. A green knurled ring between the eyepiece assembly and the eyeshield indicates that shielding against radiation from the eyepiece assembly has been installed.

Page 37. Delete paragraph 3-1 and substitute:

3-1. Scope of Maintenance

The maintenance duties assigned to the operator/crew of the crew served weapons sight are listed below together with a reference to the paragraphs

covering the specific maintenance function.

a. Preventive maintenance checks and services (para 3-4).

b. Replacement of battery (para 3-6).

c. Replacement of lamps (para 3-6).

Delete paragraphs 3-3 and 3-4 and substitute:

3-3. Preventive Maintenance.

Note. Refer to TM 750-244-2 for proper procedures for destruction of this equipment to prevent enemy use.

a. Operator/crew preventive maintenance is the systematic care, servicing and inspection of equipment to prevent the occurrence of trouble, to reduce downtime, and to maintain equipment in serviceable condition. To be sure that your equipment is always ready for your mission, you must do scheduled preventive maintenance checks and services (PMCS).

(1) BEFORE OPERATION, perform your B PMCS to be sure that your equipment is ready to go.

(2) DURING OPERATION, perform your D PMCS. This should help you to spot small troubles before they become big problems.

(3) When an item of equipment is reinstalled after removal, for any reason, perform the necessary B PMCS to be sure the item meets the readiness reporting criteria.

(4) Use the ITEM NO. column in the PMCS table to get the number to be used in the TM ITEM

NO. column on DA Form 2404 (Equipment Inspection and Maintenance Worksheet) when you fill out the form.

b. Routine checks like **CLEANING, PRESERVATION, DUSTING, WASHING, CHECKING FOR FRAYED CABLES, STOWING ITEMS NOT IN USE, COVERING UNUSED RECEPTACLES, CHECKING FOR LOOSE NUTS AND BOLTS AND CHECKING FOR COMPLETENESS** are not listed as PMCS checks. They are things that you should do any time you see they must be done. If you find a routine check like one of those listed in your PMCS, it is because other operators reported problems with this item.

Notes. The **PROCEDURES** column in your PMCS charts instruct how to perform the required checks and services. Carefully follow these instructions and, if tools are needed or the chart so instructs, get organizational maintenance to do the necessary work.

If your equipment must be in operation all the time, check those items that can be checked and serviced without disturbing operation. Make the complete checks and services when the equipment can be shut down.

c. Deficiencies that cannot be corrected must be reported to higher category maintenance personnel. Records and reports of preventive maintenance must be made in accordance with procedures given in TM 38-750.

3-4. Operator/Crew Preventive Maintenance Checks and Services

Perform before operation PMCS if you are operat-

ing the item for the first time.

Note. The checks in the interval column are to be performed in the order listed.

Add paragraph 3-4.1 after paragraph 3-4.

3-4.1. Operator/Crew Preventive Maintenance Checks and Services Chart

B — Before

D — During

Item No.	Interval		Item to be Inspected	Procedures- Check for and have repaired or adjusted as necessary	Equipment is not Ready/ Available If:
	B	D			
1	•		Mission Essential Equipment	Check for completeness and satisfactory condition of the equipment	Available equipment is insufficient to support the combat mission.
2		•	Sight operation	Check the sight operation as described in figure 2-5 or 2-6.	Operation is unsatisfactory.

Page 47. Delete paragraphs 4-1, 4-2 and 4-3 and substitute:

4-1. Scope of Maintenance

The maintenance duties assigned to the organi-

zational maintenance man are listed below with a reference to the paragraphs covering the specific maintenance function.

a. Preventive maintenance checks and services (para 4-3.1).

b. Replacement of eyeshield (para 4-5).

c. Replacement of quick disconnect shaft O-ring (para 4-6).

d. Replacement of battery cap and battery cap O-ring (para 4-7).

e. Replacement of defective carrying case and carrying case cushions (para 4-8).

f. Replacement of defective right-angle eyepiece cap (para 4-9).

g. Replacement of boresight cover (para 4-10).

4-2. Tools, Materials, and Test Equipment

Tools and test equipment are listed in the maintenance allocation chart (app. C). Materials required for maintenance are listed in the items comprising an operable equipment (para 1-8) and repair parts and special tools list (app. D).

4-3. Preventive Maintenance

Organizational preventive maintenance procedures are designed to help maintain equipment in serviceable condition. They include items to be checked and how to check them. These checks and services, described in paragraph 4-3.1, outline inspections that are to be made at specific monthly (M) intervals.

Page 48. Add paragraph 4-3.1 after paragraph 4-3.4-3.1. **Organizational Preventive Maintenance Checks and Services.**

M — Monthly

Item No.	Interval	Item to be Inspected	Procedures
	M		
1	●	Sight operation	Inspect for mechanical damage and sight operation as described in figure 2-5 or 2-6.

Page 80, figure 5-1^①. Add the note next to item 7.

Note. Most eyepiece assemblies will include a green knurled adapter ring (refer to para 1-7). The adapter ring is sealed and is not be removed by DS maintenance.

Page 89. Change the title of chapter 6 to "SHIPMENT AND LIMITED STORAGE."

Delete section I title.

Page 90. Delete section II in its entirety.

Page 95. Delete appendix A and substitute:

APPENDIX A

REFERENCES

The following is a list of applicable references available to the operator and organizational maintenance personnel of the AN/TVS-2(*).

DA Pam 310-1	Consolidated Index of Army Publications and Blank Forms
FM 23-65	Browning Machinegun Caliber - .50HB, M2
TB 43-0118	Field Instructions for Painting and Preserving Electronics Command Equipment, Including Camouflage Pattern Painting of Electrical Equipment Shelters
TB 43-0125	Installation of Communications-Electronic Equipment: Hooking of Electrical Cables to Mobile Generator Sets on Fielded Equipment to Meet Electrical Safety Standards
TM 11-5855-202-23P	Organizational and Direct Support Maintenance Repair Parts and Special Tools Lists (Including Depot Maintenance Repair Parts and Special Tools) For Night Vision Light, Crew Served Weapons AN/TVS-2, AN/TVS-2A and AN/TVS-2B
TM 38-750	The Army Maintenance Management System (TAMMS)
TM 740-90-1	Administrative Storage of Equipment

C7, TM 11-5855-202-13

**TM 750-244-2 Procedures for Destruction of
Electronics Materiel to Prevent
Enemy Use**

By Order of the Secretary of the Army:

JOHN A. WICKHAM JR.
General, United States Army
Chief of Staff

Official:

ROBERT M. JOYCE
Major General, United States Army
The Adjutant General

Distribution:

To be distributed in accordance with special list.

***TM 11-5855-202-13**

TECHNICAL MANUAL
No. 11-5855-202-13

**HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 27 April 1967**

Organizational and DS Maintenance Manual NIGHT VISION SIGHT: CREW SERVED WEAPONS, MODELS 9927 AND 9927A

CHAPTER 1. INTRODUCTION

Section I. General	Paragraph	Page
Scope.....	1-1	5
Index of equipment.....	1-2	5
Forms and records.....	1-3	6
II. Description and Data		
Description.....	1-4	6
Tabulated data.....	1-5	9
Additional equipment required..	1-6	10
Differences in models.....	1-7	10

***This manual supersedes so much of TM 11-1090-269-15, 21 April 1966, as pertains to operation and organizational and DS maintenance, and TM 11-1090-269-25P, 8 December 1966, as pertains to organizational and DS repair parts.**

CHAPTER 2. OPERATING INSTRUCTIONS

Section I. Service Upon Receipt of Equipment

	Paragraph	Page
Unpacking.....	2-1	11
Inspecting and servicing.....	2-2	11
Installation of separately packed components.....	2-3	12
Installation on M2 machinegun (tripod mount).....	2-4	13
Installation of M2 machinegun (turret mount).....	2-5	13
Installation of M40 recoilless rifle.....	2-6	13
Dismantling equipment.....	2-7	13
Reinstalling equipment.....	2-8	21
II. Controls and Instruments		
General.....	2-9	21
Purpose and location of controls and indicators.....	2-10	21
III. Operation		
General.....	2-11	29
Operation under usual conditions.....	2-12	29
Sight alignment.....	2-13	29
Operation in extreme cold.....	2-14	34
Operation in extreme heat.....	2-15	34
Operation in dusty or sandy areas.....	2-16	35
Operation in rainy or humid conditions.....	2-17	35
Operation in salt water areas....	2-18	35
Operation in high altitudes.....	2-19	36

CHAPTER 3. OPERATOR/CREW MAINTENANCE

	Paragraph	Page
Scope of maintenance.....	3-1	37
Tools and equipment.....	3-2	37
Preventive maintenance.....	3-3	37
Operator's daily preventive maintenance checks and services...	3-4	38
Cleaning.....	3-5	39
Troubleshooting.....	3-6	39
Repairs and adjustments.....	3-7	41
 4. ORGANIZATIONAL MAINTENANCE		
Scope of maintenance.. ..	4-1	47
Tools, materials, and test equipment.....	4-2	47
Organisational monthly preventive maintenance checks and services.....	4-3	48
Troubleshooting.....	4-4	49
Eyeshield.....	4-5	49
Quick-disconnect shaft.....	4-6	49
Battery cap and battery cap O-ring.....	4-7	50
Carrying case and cushions... .	4-8	51
Right-angle eyepiece cap.....	4-9	51
Boresight cover.....	4-10	51
 5. DS MAINTENANCE		
Scope.....	5-1	53
Tools, materials and test equipment.....	5-2	53
Troubleshooting.....	5-3	53
Eyepiece.....	5-4	57
Hood.....	5-5	58

CHAPTER 5—Con.	Paragraph	Page
Focus knob and shaft.....	5-6	59
Objective lens.....	5-7	60
Boresight assembly.....	5-8	62
Elevation boresight screw.....	5-9	64
Electrical components.....	5-10	65
Image intensifier assembly.....	5-11	73
Right-angle eyepiece.....	5-12	75
Reticle cell assembly (model 9927A).....	5-13	76
Final test.....	5-14	78
6. SHIPMENT, LIMITED STORAGE, AND DEMOLITION TO PREVENT ENEMY USE		
Section I. Shipment and Limited Storage		
Preparation for shipment.....	6-1	89
Preparation for limited storage..	6-2	89
Inspection and maintenance of equipment in storage.....	6-3	90
II. Demolition To Prevent Enemy Use		
General.....	6-4	90
Demolition plan.....	6-5	90
Methods of destruction.....	6-6	91
APPENDIX A. REFERENCES.....	----	95
B. BASIC ISSUE ITEMS.....	----	97
C. MAINTENANCE ALLOCA- TION.....	----	105
D. ORGANIZATIONAL AND DI- RECT SUPPORT REPAIR PARTS.....	----	115

CHAPTER 1

INTRODUCTION

Section I. GENERAL

1-1. Scope

This manual describes the Night Vision Sight: Crew Served Weapons (crew served weapons night or sight), Varo Models 9927, and 9927A and provides instructions for installation, operation, and organizational and direct support (DS) maintenance. It includes instructions for cleaning and inspection of the equipment and replacement of parts available at the organizational and DS maintenance level.

1-2. Index of Equipment

Refer to the latest issue of DA Pam 310-4 to determine whether there are new additions, changes, or additional publications pertaining to this equipment. DA Pam 310-4 is an index of current technical manuals, technical bulletins, supply manuals (types 7, 8, and 9), supply bulletins, lubrication orders, and modification work orders available through publications supply channels. The index lists the individual parts (-10, -20, -35P, etc.) and the latest changes to and revisions of each equipment publication.

1-3. Forms and Records

a. Reports of Maintenance and Unsatisfactory Equipment.

Use equipment forms and records in accordance with instructions in TM 38-750.

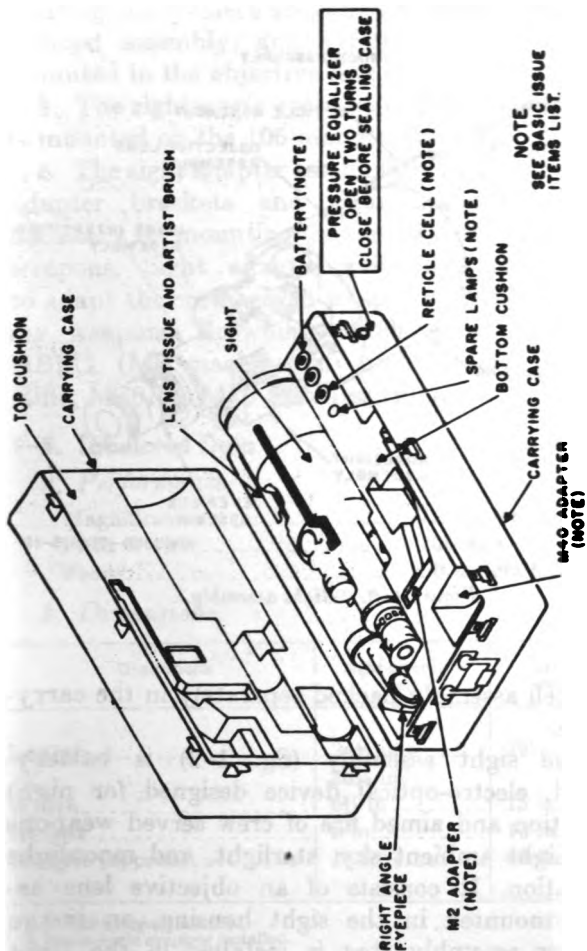
b. Report of Damaged or Improper Shipment. Fill out and forward DD Form 6 (Report of Damaged or Improper Shipment) as prescribed in AR 700-58 (Army), NAVSANDA Publication 378 (Navy), and AFR 71-4 (Air Force).

c. Reporting of Equipment Manual Improvements. Reporting of errors, omissions, and recommendations for improving this manual by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to DA Publications) and forwarded direct to Commanding General, U.S. Army Electronics Command, ATTN: AMSEL-MR-NMP-AD, Fort Monmouth, N.J. 07703.

Section II. DESCRIPTION AND DATA

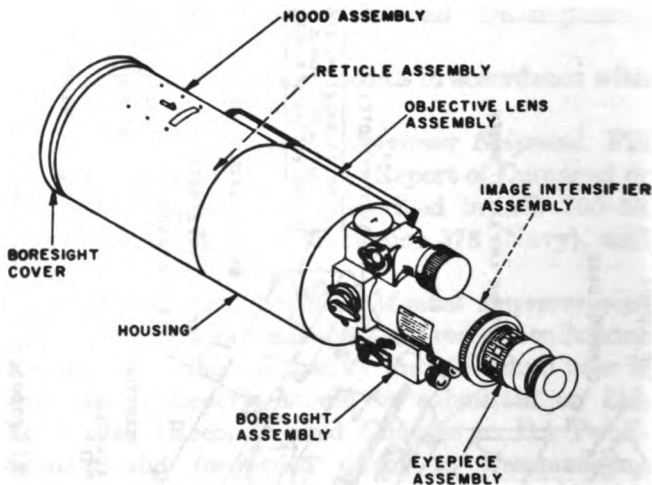
1-4. Description

The crew served weapons sight (fig. 1-1) consists of the sight assembly, a right-angle eyepiece, and a carrying case. There are cutouts in the carrying case cushions for sight adapter assemblies, spare batteries, spare lamps, lens paper, and a camel's-hair artist brush. The model 9927A also includes a



TM 9-202-13-11

Figure 1-1. Crow served weapons night vision sight.



TM5855-202-13-12

Figure 1-2. Sight assembly.

reticle cell assembly packed separately in the carrying case.

a. The sight assembly (fig. 1-2) is battery-powered, electro-optical device designed for night observation and aimed fire of crew served weapons under night ambient sky, starlight, and moonlight illumination. It consists of an objective lens assembly mounted in the sight housing, an image intensifier assembly that is installed in the sight

housing, an eyepiece assembly, a boresight assembly, a hood assembly, and a reticle assembly that is mounted in the objective lens assembly.

b. The right-angle eyepiece is used when the sight is mounted on the 106-mm Recoilless Rifle, M40A1.

c. The sight adapter assemblies include the weapon adapter brackets and sight mounting brackets necessary for mounting the sight assembly on various weapons. Sight adapter assemblies are available to adapt the crew served weapon sight to the following weapons: Browning Machinegun, Caliber .50 HBM2 (M2 machinegun) and 106-mm Recoilless Rifle, M40A1 (M40 recoilless rifle).

1-5. Tabulated Data

a. Performance.

Magnification.....	7.0 power.
Field of view.....	108 mils.
Focus.....	50 meters to infinity.

b. Dimensions.

Dimensions	Sight assembly only	Carrying case (complete)
Length.....	24½ in. ^a 26¾ in. ^b	29¼ in.
Width.....	6¾ in.....	15 in.
Height.....	8 in.....	10 in.
Weight (approx).....	16 lb.....	48 lb

^a In-line eyepiece installed.

^b Right-angle eyepiece installed.

1-6. Additional Equipment Required

The only additional equipment required for operation of the crew served weapons sight is the weapon upon which the sight assembly will be mounted.

1-7. Differences in Models

Some models of the crew served weapons sight contain a low temperature adapter assembly (fig. 1-1). If included, the low temperature adapter may be used when the sight is operated in temperatures below -20° F. The following differences exist between the model 9927 and the model 9927A crew served weapons sights:

Item	Model 9927	Model 9927A
Cant level.....	Included.....	Not included.
Replaceable reticle cells..	Not included....	Included.
4 position rotary switch..	Included.....	Not included.
3 position rotary switch..	Not included....	Included.

CHAPTER 2

OPERATING INSTRUCTIONS

Section 1. SERVICE UPON RECEIPT OF EQUIPMENT

Caution: The crew served weapons sight is a precision electro-optical device. Handle with care.

2-1. Unpacking

a. The crew served weapons sight, with accessory items, is packed in an individual carrying case as shown in figure 1-1. The carrying case is packed in a cardboard carton for shipment.

b. Slit the sealing tape on the cardboard carton with a razor blade or knife. Open the cardboard carton and remove any filler or packing material. Lift out the carrying case.

2-2. Inspecting and Servicing

Warning: Before releasing the carrying case latches, open the PRESSURE EQUALIZER (fig. 1-1) in accordance with instructions on the warning plate.

a. Cut and remove locking wire seals that are inserted in carrying case latches.

b. Place the carrying case on a flat surface and

raise each latch to loosen the carrying case lid. Remove the lid from the carrying case.

Caution: The image intensifier assembly can be damaged if exposed to bright sunlight. The boresight cover should be removed only under subdued light conditions.

c. Check the contents of the carrying case against the packing slip. If a packing slip is not available check the contents of the carrying case against the basic issue items list (app. B).

d. Perform the monthly preventive maintenance checks and services (para 4-3).

2-3. Installation of Separately Packed Components

a. Battery (fig. 3-1).

- (1) Place the rotary control switch in the OFF position.
- (2) Unscrew the battery cap.
- (3) Insert the battery in the sight housing positive end first.
- (4) Replace the battery cap.

b. Low Temperature Adapter (para 1-7).

- (1) Place the rotary control switch in the OFF position.
- (2) Unscrew the battery cap.
- (3) Remove the battery (if installed).
- (4) Insert spacer in the sight housing and tighten the auxiliary cap.

(5) Insert the battery in the battery housing positive end first.

(6) Place the battery cap on the battery housing and tighten.

e. Right-angle Eyepiece. Direct support maintenance will install the right-angle eyepiece when required (para 5-12).

d. Reticle, M2 or M40. The model 9927A crew served weapon sight normally is shipped with the M2 reticle installed. Direct support will install the M40 reticle when required (para 5-13).

2-4. Installation on M2 Machinegun (Tripod Mount)

Note. Sight mounting bracket thumbscrews sometimes work loose during firing; tighten the thumbscrews with pliers if necessary.

Refer to figure 2-1.

2-5. Installation on M2 Machinegun (Turret Mount)

Refer to figure 2-2.

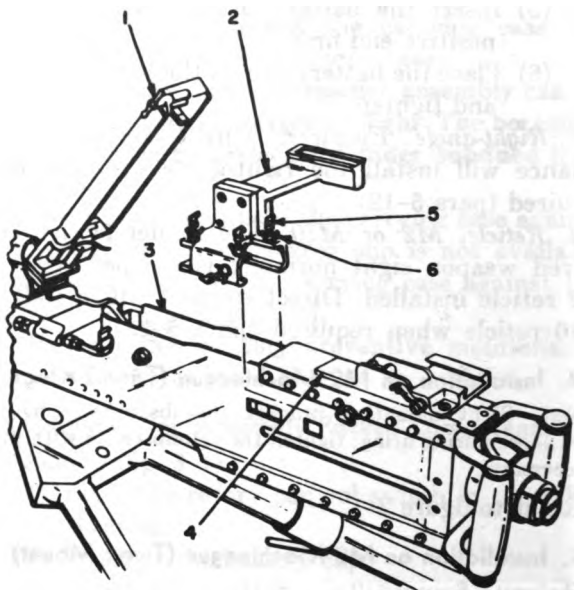
2-6. Installation on M40 Recoilless Rifle

Refer to figure 2-3.

Note. The right-angle eyepiece and M40 reticle must be installed before mounting the crew served weapons sight on the M40 recoilless rifle (para 5-12 and 5-13).

2-7. Dismantling Equipment

a. Remove the low temperature adapter and/or the battery by performing the steps in the procedure in paragraph 2-3 in reverse sequence.

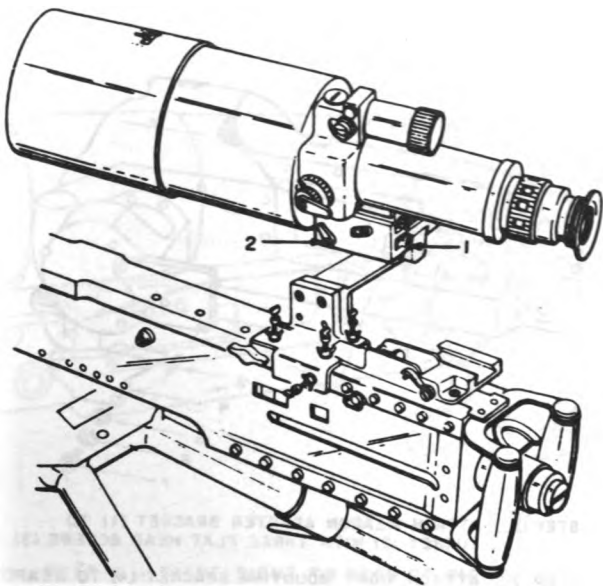


- STEP 1. RAISE MACHINE GUN COVER (1)**
- STEP 2. PLACE SIGHT MOUNTING BRACKET (2) ON GUN HOUSING (3)**
- STEP 3. SLIDE SIGHT MOUNTING BRACKET BACK INTO POSITION (4)**
- STEP 4. TIGHTEN BRACKET THUMBSCREWS (5) AND LOCK WITH WINGNUTS (6)**

A. SIGHT MOUNTING BRACKET INSTALLATION.

TM5555-202-13-21 ①

Figure 2-1 ①. Sight installation on M2 machinegun (tripod) (part 1 of 2).



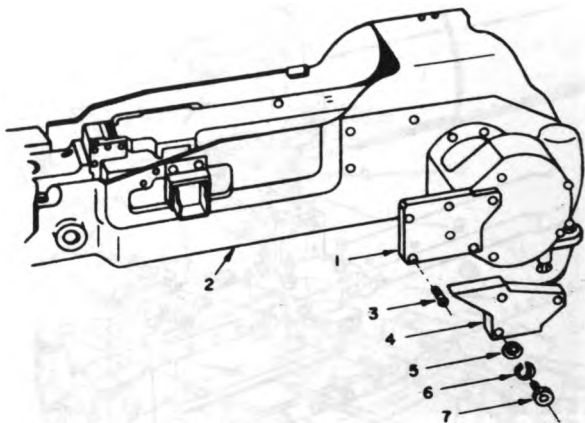
STEP 1. SLIDE SIGHT TO REAR OF SIGHT MOUNTING BRACKET DOVETAIL (1)

STEP 2. ROTATE LOCKING KNOB (2) CLOCKWISE TO SECURE SIGHT.

B. SIGHT INSTALLATION

TM5855-202-13-21 (2)

Figure 2-1 (3). Sight installation on M3 machinegun (tripod) (part 2 of 3).



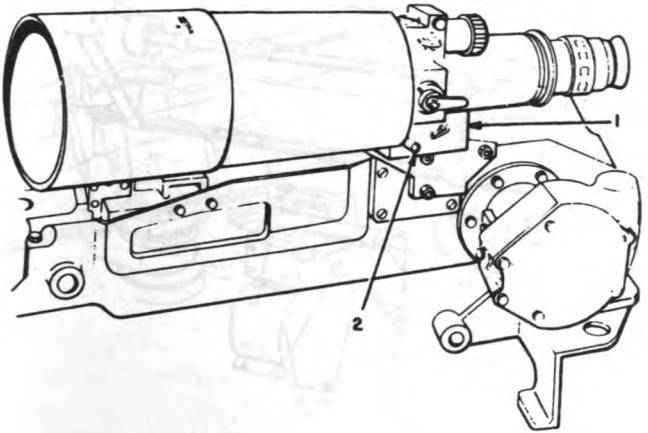
STEP 1. ATTACH WEAPON ADAPTER BRACKET (1) TO TURRET (2) WITH THREE FLAT HEAD SCREWS (3).

STEP 2. ATTACH SIGHT MOUNTING BRACKET (4) TO WEAPON ADAPTER BRACKET WITH THREE FLAT WASHERS (5), LOCK WASHERS (6) AND CAP SCREWS (7).

A. WEAPON ADAPTER BRACKET AND SIGHT MOUNTING BRACKET INSTALLATION

TM5855-202-13-22 ①

**Figure 2-2①. Sight installation on M2 machinegun (turret)|
(part 1 of 2).**

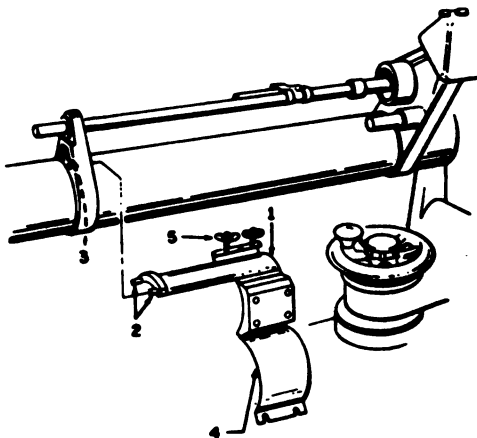


- STEP 1. SLIDE SIGHT TO REAR OF SIGHT MOUNTING BRACKET DOVETAIL (1).**
- STEP 2. ROTATE LOCKING KNOB (2) CLOCKWISE TO SECURE SIGHT.**

B. SIGHT INSTALLATION.

TM5855-202-13-22 ②

Figure 2-2③. Sight installation on M2 machinegun (turret) (part 2 of 2).



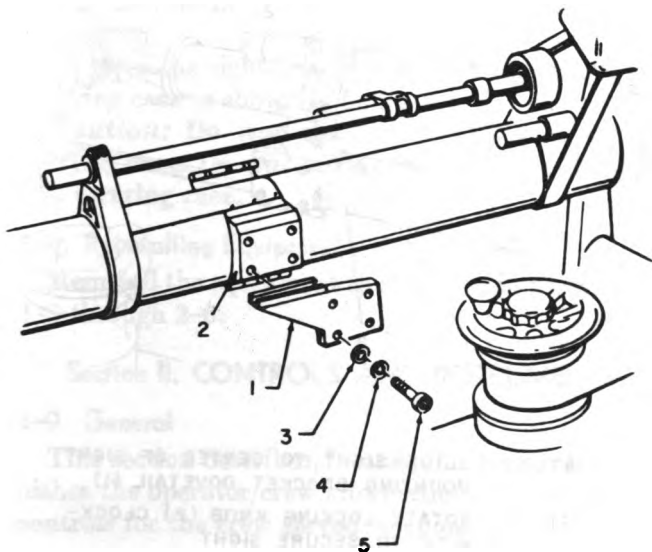
STEP 1. PLACE WEAPON ADAPTER BRACKET PRIMARY CLAMP (1) ON RIFLE BARREL WITH SLEEVED PINS (2) ALL THE WAY INTO SLOT ON FRONT BRACE (3).

STEP 2. WRAP SECONDARY CLAMP (4) AROUND RIFLE BARREL, SLIP PRIMARY CLAMP EYEBOLTS (5) INTO SLOTS ON SECONDARY CLAMP AND TIGHTEN WINGNUTS.

A. WEAPON ADAPTER BRACKET INSTALLATION.

TM5855-202-13-23 ①

Figure 9-3 ①. Sight installation on M40 recoilless rifle (part 1 of 3).

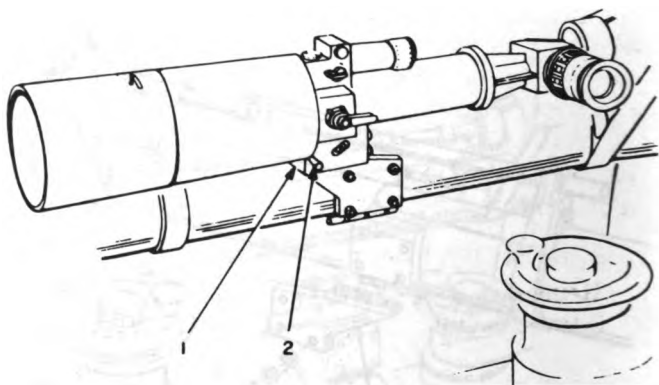


ATTACH SIGHT MOUNTING BRACKET (1) TO WEAPON ADAPTER BRACKET (2) WITH FOUR FLAT WASHERS (3), LOCK WASHERS (4) AND CAP SCREWS (5).

B. SIGHT MOUNTING BRACKET INSTALLATION.

TM5855-202-13-23 (2)

Figure 2-3③. Sight installation on M40 recoilless rifle (part 2 of 3).



STEP 1. SLIDE SIGHT TO CENTER OF SIGHT MOUNTING BRACKET DOVETAIL (1)

STEP 2. ROTATE LOCKING KNOB (2) CLOCKWISE TO SECURE SIGHT

C. SIGHT INSTALLATION.

TM5855-202-13-23 (3)

Figure 2-3(3). Sight installation on M40 recoilless rifle (part 3 of 3).

b. Remove the sight assembly from the sight mounting bracket by performing the steps in the procedures in figures 2-1 through 2-3 in reverse sequence.

c. Remove the sight mounting bracket and weapon adapter bracket (if used) by performing the steps in

the procedures in figures 2-1 through 2-3 in reverse sequence.

d. Place the sight assembly and accessories in the carrying case as shown in figure 1-1.

Caution: Do not store wet equipment in the carrying case. Do not store equipment in a damp or wet carrying case.

2-8. Reinstalling Equipment

Reinstall the equipment as described in paragraphs 2-3 through 2-6.

Section II. CONTROLS AND INSTRUMENTS

2-9. General

This section describes, locates, illustrates, and furnishes the operator/crew information on operation of controls for the crew served weapons sight.

2-10. Purpose and Location of Controls and Indicators (fig. 2-4)

a. Controls. The following chart lists controls for the crew served weapons sight and describes the function of each control.

Control	Function
Eyepiece focus ring	Adjusts eyepiece focus to individual operator (diopter setting). <i>Note.</i> Once adjustment is made, no further adjustment should be required by the same operator.
Asimuth boresight screw ----	Adjusts sight in azimuth. <i>Clockwise:</i> Moves line-of-sight to left. <i>Counterclockwise:</i> Moves line-of-sight to right.
Elevation boresight screw ----	Adjusts sight in elevation. <i>Clockwise:</i> Increases range. <i>Counterclockwise:</i> Decreases range.
Boresight locking knob	Locks sight to sight mounting bracket.
Objective lens focus knob ---	Adjusts focus of sight.
Objective lens locknut	Locks objective lens focus knob.
Cant level adjustment knob. *	Adjusts level of sight reticle pattern.
Slide pin *	Allows viewing of cant level through cant level view port.

See footnotes at end of table.

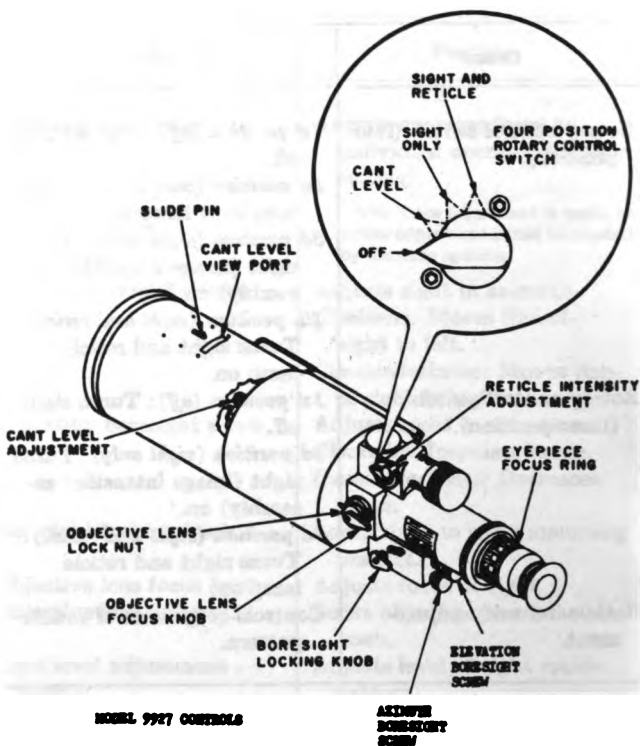
Control	Function
Rotary control switch (four position). ^a	<p><i>1st position (off):</i> Turns sight off.</p> <p><i>2d position (cant level):</i> Turns cant level lamp on.</p> <p><i>3d position (sight only):</i> Turns sight (image intensifier assembly) on.</p> <p><i>4th position (sight and reticle):</i> Turns sight and reticle lamp on.</p>
Rotary control switch (three-position). ^b	<p><i>1st position (off):</i> Turns sight off.</p> <p><i>2d position (sight only):</i> Turns sight (image intensifier assembly) on.</p> <p><i>3d position (sight and reticle):</i> Turns sight and reticle lamp on.</p>
Reticle intensity adjustment.	Controls brightness of reticle pattern.

^a Model 9937 only.

^b Model 9937A only.

b. Indicators.

- (1) *Model 9937 cant level.* The cant level bubble indicates orientation of the sight reticle pattern with the horizontal plane. When the bubble is centered between the vial markings, the reticle assembly is properly leveled

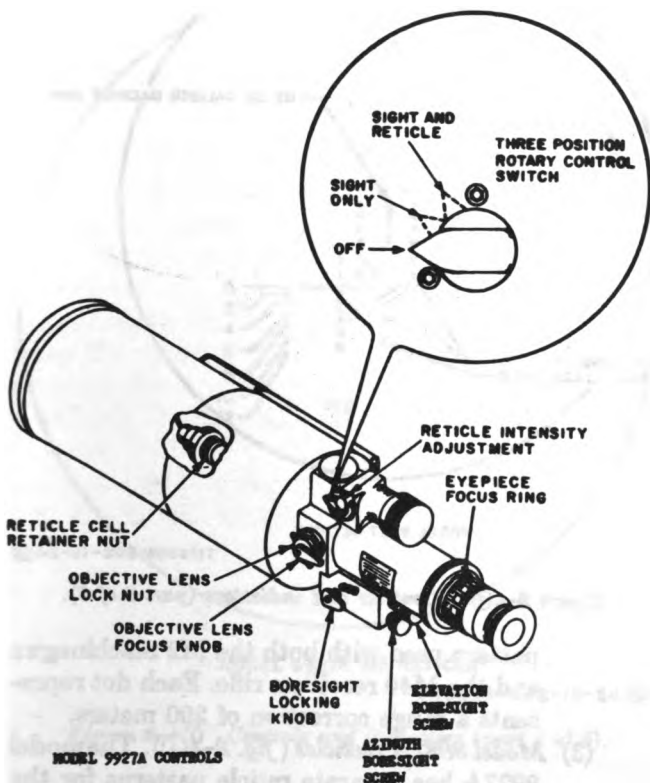


TN5685-202-13-24 ①

Figure 2-4①. Controls and indicators (part 1 of 5).

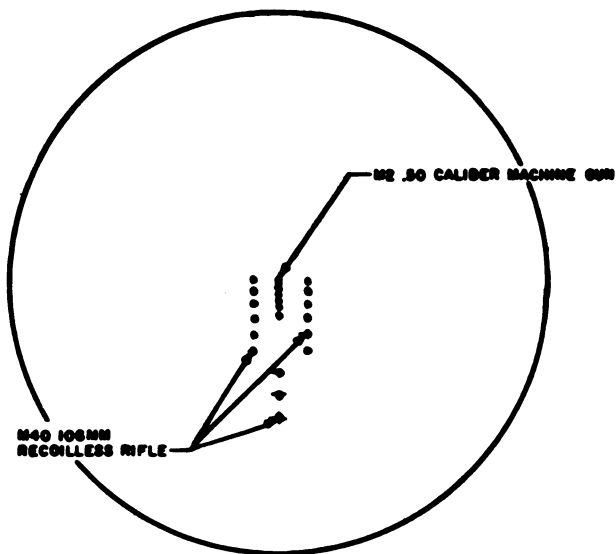
and the reticle pattern is perpendicular to the horizon.

- (2) **Model 9927 reticle (fig. 2-4③).** The model 9927 reticle consists of a composite dot



TM5855-202-13-24 (2)

Figure 3-4③. Controls and indicators (part 2 of 5).



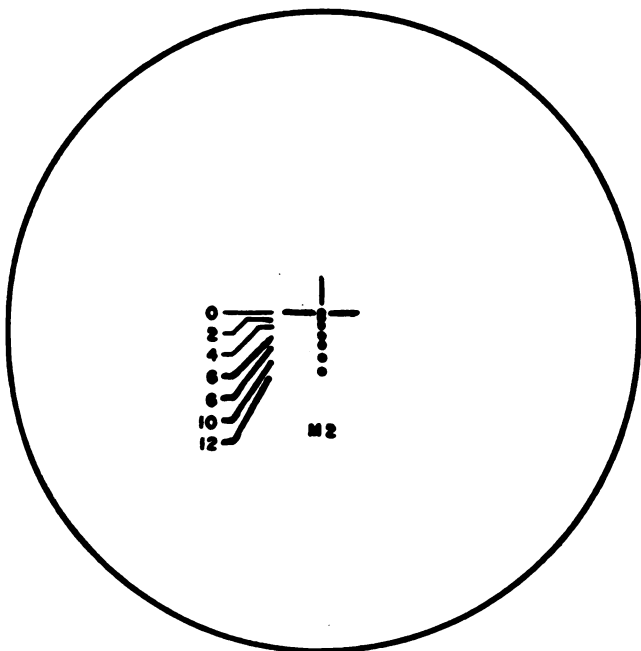
MODEL 9927 RETICLE

TN 5055-202-13-24 ④

Figure 2-4③. Controls and indicators (part 3 of 5).

pattern used with both the M2 machinegun and the M40 recoilless rifle. Each dot represents a range correction of 200 meters.

- (3) **Model 9927A reticles (fig. 2-4④).** The model 9927A has separate reticle patterns for the M2 machinegun and the M40 recoilless rifle. Each reticle is contained in a separate reticle cell marked M2 or M40 on the front of the cell housing.

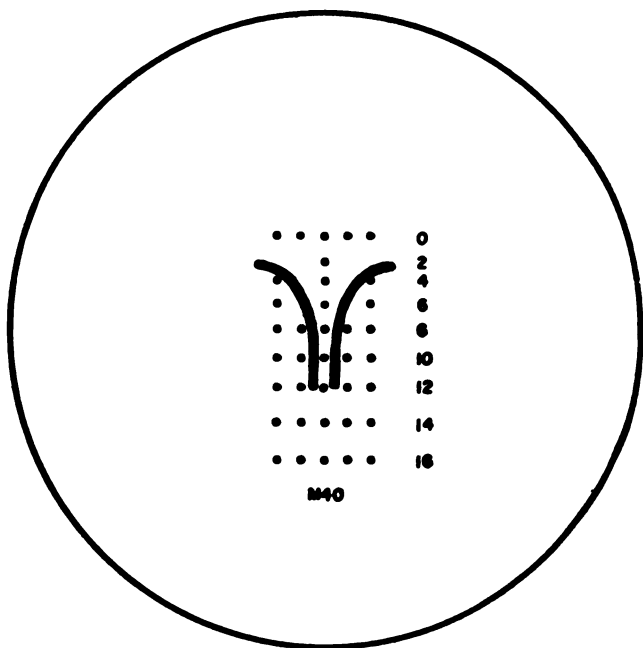


MODEL 9927A M2 RETICLE

TN5655-202-13-24 ④

Figure 2-4④ Controls and indicators (part 4 of 5).

- (a) Each dot on the M2 reticle pattern represents a range of 200 meters.**
- (b) The M40 reticle is a stadia line pattern as described in FM 23-82.**



MODEL 9927A M40 RETICLE

TM5855-202-13-24 ⑤

Figure 2-4⑤. Controls and indicators (part 5 of 5).

Section III. OPERATION

2-11. General

This section contains instructions on turn-on, turn-off, and detailed operating instructions for the crew served weapons sight.

2-12. Operation under Usual Conditions

Caution: Always leave the boresight cover on the sight during daylight hours when the sight is turned on.

Warning: When operating the sight at night, keep the eyeshield firmly against the face. Failure to keep the eyeshield firmly against the face will illuminate the face with the backglow from the sight.

Refer to figure 2-5 for model 9927 crew served weapons sight operating procedures; refer to figure 2-6 for model 9927A crew served weapons sight operating procedures.

2-13. Sight Alignment

Note. For sight alignment after dark, a star can be used as the distant object in a(2) and b(2) below.

a. M2 machinegun.

- (1) Remove the machinegun back plate, driving spring rod assembly and bolt. (Refer to FM 23-65.)
- (2) Sight down the barrel and pick out a distant object.
- (3) Look through the crew served weapons sight and adjust the azimuth and elevation

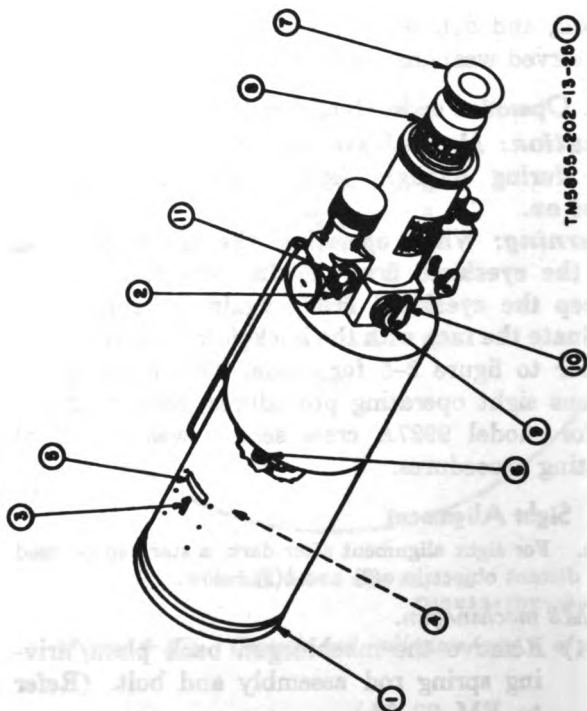
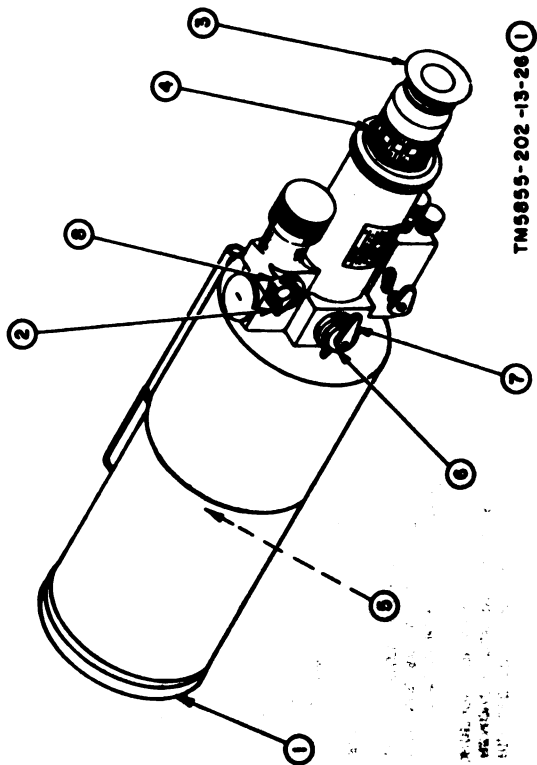


Figure 9-5①. Model 9087 sight operation (part 1 of 5).

STEP 1	REMOVE BORESIGHT COVER (1) CAUTION, REMOVE BORESIGHT COVER ONLY DURING CONDITIONS OF DARKNESS	STEP 6	LOCK THROUGH EYESHIELD (7) FOR PROPER IMAGE AND RETICLE PATTERN
STEP 2	PLACE FOUR POSITION ROTARY CONTROL SWITCH (2) IN SECOND (CANT LEVEL) POSITION	STEP 7	ADJUST EYEPiece FOCUS RING (8) FOR SHARP RETICLE PATTERN
STEP 3	PULL SLIDE (3) TO FORWARD POSITION AND OBSERVE CANT LEVEL BUBBLE (4) THRU CANT LEVEL VIEW PORT (5)	STEP 8	UNLOCK OBJECTIVE LENS LOCK NUT (9) AND ADJUST OBJECTIVE LENS FOCUS KNOB (10) FOR CLEAR IMAGE
STEP 4	CENTER CANT LEVEL BUBBLE USING CANT LEVEL ADJUSTMENT (6)	STEP 9	LOCK OBJECTIVE LENS LOCK NUT (9)
STEP 5	PLACE FOUR POSITION ROTARY CONTROL SWITCH (2) TO FOURTH (SIGHT AND RETICLE) POSITION	STEP 10	ADJUST RETICLE INTENSITY ADJUSTMENT (11) FOR DESIRED RETICLE BRIGHTNESS
		STEP 11	TURN OFF EQUIPMENT BY PLACING FOUR POSITION ROTARY CONTROL SWITCH (2) TO FIRST (OFF) POSITION. REPLACE BORESIGHT COVER (1)

TM 8855-202-13-28 ②

Figure 9-5③. Model 9987 sight operation (part 2 of 2).



TM5855-202-13-26 ①

Figure 2-6 ①. Model 9987A sight operation (part 1 of 2).

- STEP 1. REMOVE BORESIGHT COVER (1)
CAUTION: REMOVE BORESIGHT COVER ONLY
DURING CONDITIONS OF DARKNESS.**
- STEP 2. PLACE THREE POSITION ROTARY CONTROL
SWITCH (2) IN THIRD (RIGHT AND RETICLE)
POSITION.**
- STEP 3. LOOK THROUGH EYESHIELD (3) FOR
PROPER IMAGE AND RETICLE PATTERN.**
- STEP 4. ADJUST EYEPiece FOCUS RING (4) FOR
SHARP RETICLE PATTERN.**
- STEP 5. CHECK VERTICAL ALIGNMENT OF RETICLE
PATTERN. IF PATTERN IS NOT VERTICAL,
LOOSEN RETICLE CELL RETAINING NUT (5),
AND ROTATE CELL UNTIL PATTERN IS
VERTICAL. TIGHTEN RETAINING NUT.**
- STEP 6. UNLOCK OBJECTIVE LENS LOCK NUT (6)
AND ADJUST OBJECTIVE LENS FOCUS
KNOB (7) FOR CLEAR IMAGE.**
- STEP 7. LOCK OBJECTIVE LENS LOCK NUT.**
- STEP 8. ADJUST RETICLE INTENSITY ADJUSTMENT
(8) FOR DESIRED RETICLE BRIGHTNESS.**
- STEP 9. TURN OFF EQUIPMENT BY PLACING
THREE POSITION ROTARY CONTROL
SWITCH (2) TO FIRST (OFF) POSITION.
REPLACE BORESIGHT COVER (1).**

TM 9955-202-13-26 ②

Figure 2-6①. Model 9927A sight operation (part 2 of 2).

adjustment knobs until the center top dot in the reticle is on the object sighted ((2) above).

(4) Reassemble machinegun.

b. M40 Recoilless Rifle.

(1) Align the rifle. (Refer to FM 23-82.)

(2) Align the boresight cross of the M92D sight on a distant object.

(3) Look through the crew served weapons sight and adjust the azimuth and elevation knobs until the center top dot in the reticle is on the object sighted ((2) above).

2-14. Operation in Extreme Cold (Below -20° F.)

a. Place a spare battery in an inner pocket as near the body as possible. After about 1 hour of operation, remove the battery from the sight and install the spare battery. Place the battery removed from the sight in the inner pocket.

Note. Some models contain a low temperature adapter assembly (para 1-7).

b. During cold weather, the lenses will fog and frost up. Remove frost with alcohol and clean the lenses with lens tissue or clean lint free cloth.

2-15. Operation in Extreme Heat

The crew served weapons sight will operate satisfactorily at temperatures up to +125° F.

2-16. Operation in Dusty or Sandy Areas

Caution: Operation in dusty or sandy areas can cause pitting and scratching of optical elements and damage to mechanical components unless the precautions given below are observed.

- a. Avoid pointing the objective lens end of the sight into the wind unless necessary for operation.
- b. Cover as much of the sight as possible.
- c. Keep the carrying case closed unless removing or replacing items.
- d. Insure that all dust and sand is removed from the sight after operation.
- e. Clean the eyepiece and objective lens with a soft-bristled brush during operation.

2-17. Operation in Rainy or Humid Conditions

Caution: Operation in rainy or humid conditions can cause corrosion and deterioration of the sight unless the precautions given below are observed.

- a. Dry all parts after exposure to rain or high humidity.
- b. Keep the carrying case closed unless removing or replacing items.
- c. Do *not* store sight in a wet carrying case.

2-18. Operation in Salt Water Areas

Caution: Operation in salt water areas can cause corrosion of the sight unless the precautions given below are observed.

a. After exposure to salt water, clean the sight by dipping it in fresh water.

b. Dry all parts after removing all salt water or salt spray.

2-19. Operation in High Altitudes

The crew served weapons sight will operate satisfactorily at high altitudes.

CHAPTER 3

OPERATOR/CREW MAINTENANCE

Note. Sealing and locking compounds have been used in this equipment. Do not apply torque to check bolts, screws, or nuts for tightness.

3-1. Scope of Maintenance

The maintenance duties assigned to the operator/crew of the crew served weapons sight are listed below together with a reference to the paragraphs covering the specific maintenance function.

- a. Daily preventive maintenance checks and services (para 3-4).
- b. Replacement of battery (para 3-6).
- c. Replacement of lamps (para 3-6).

3-2. Tools and Equipment

Special tools, running spares, and special equipment sets supplied with or issued for use with the crew served weapons sight are listed in the basic issue items list (app. B).

3-3. Preventive Maintenance

Preventive maintenance is the systematic care, service, and inspection of equipment to assure that the equipment is serviceable, prevent the occurrence of trouble, and reduce downtime. The following chart lists what to check, how to check, and refers to corrective procedures. Record these checks in accordance with TM 38-750.

3-4. Operator's Daily Preventive Maintenance Checks and Services

Sequence No.	Item to be Inspected	Procedure	Reference
1	Sight assembly -----	Remove all dirt and moisture -----	Para 3-5.
2	Sight assembly -----	Check for normal operation -----	Fig. 2-5.
3	Carrying case and liners -----	Check for dirt, moisture, and mildew; clean as necessary.	Para 3-5.

3-5. Cleaning

Caution: Clean the lenses as little as possible. The sight assembly is designed to withstand immersion up to 3 feet in water. It is recommended that salt water spray and caked mud be removed by flushing with water or cleaning with a cloth while the sight is immersed in clean, fresh water.

a. Glass Surfaces. Clean exposed glass surfaces of the objective lens assembly and eyepiece assembly by removing loose dirt with a soft-bristled brush. After removing loose dirt, clean the glass surfaces with lens tissue. Dampen the lens tissue with clean water (distilled if available) if necessary.

b. Metal Surfaces. Clean exposed metal surfaces with a cloth. Dampen the cloth with water if necessary.

c. Carrying Case Liners. Remove and shake out loose dirt. Clean with water to remove caked dirt, mud, or mildew.

d. Drying. After cleaning, thoroughly dry all items and replace in the carrying case.

3-6. Troubleshooting

Troubleshooting by the operator/crew is limited to the actions listed in the chart below. The chart lists the trouble symptoms, probable troubles and corrective measures to be taken. If the indicated corrective measure does not correct the trouble, higher category maintenance is required. Replace the old lamp or battery whenever replacement with a new lamp or battery does not correct the trouble.

Trouble symptom	Probable trouble	Corrective measure
Lamps do not glow as brightly as normal and sight image is weak or blurred.	Weak battery----- <i>Caution:</i> Before replacing battery, make sure that the sight is clean and dry.	Replace battery (fig. 3-1).
Reticle lamp does not light-----	Defective lamp-----	Replace lamp. (fig. 3-2 ^a or 3-4 ^b).
Cant level lamp does not light ^a -----	Defective lamp-----	Replace lamp (fig. 3-3 ^a).

^a Model 9927 only.

^b Model 9927A only.

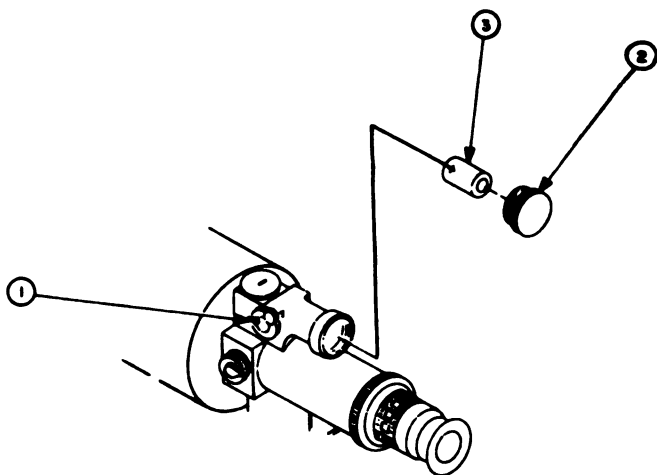
3-7. Repairs and Adjustments

Caution: Before replacing any items make sure that all surfaces are clean and free of moisture.

a. Battery Replacement. Refer to figure 3-1.

b. Reticle Lamp Replacement. Refer to figure 3-2 for model 9927 or figure 3-4 for model 9927A.

c. Cant level Lamp Replacement. Refer to figure 3-3.



STEP 1 PLACE FOUR POSITION ROTARY CONTROL SWITCH (1) IN OFF (1 ST) POSITION

STEP 2 UNSCREW AND REMOVE BATTERY CAP (2)

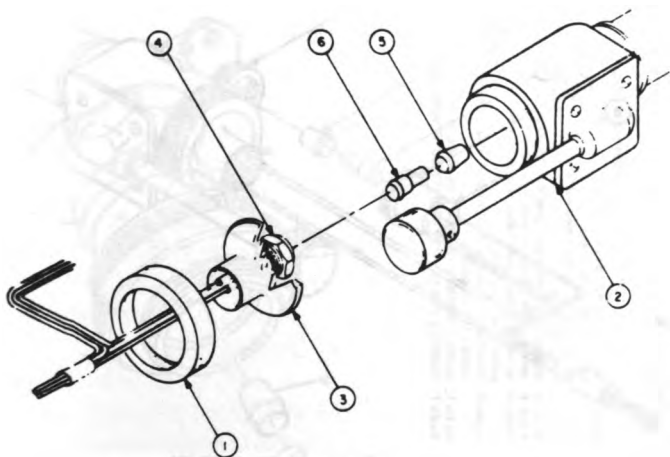
STEP 3 REMOVE BATTERY (3)

STEP 4 INSERT NEW BATTERY POSITIVE (+) END FIRST

STEP 5 REPLACE BATTERY CAP

TM5855-202-13-31

Figure 3-1. Battery replacement.



STEP 1 UNSCREW CAP (1) FROM RETICLE ASSEMBLY HOUSING (2),

STEP 2 REMOVE HOUSING (3) AND LAMP HOLDER (4) FROM RETICLE ASSEMBLY HOUSING

STEP 3 UNSCREW LAMP HOLDER LENS (5) AND LAMP (6) FROM LAMP HOLDER

STEP 4 REMOVE LAMP FROM LAMP HOLDER LENS

STEP 5 INSERT NEW LAMP IN LAMP HOLDER LENS

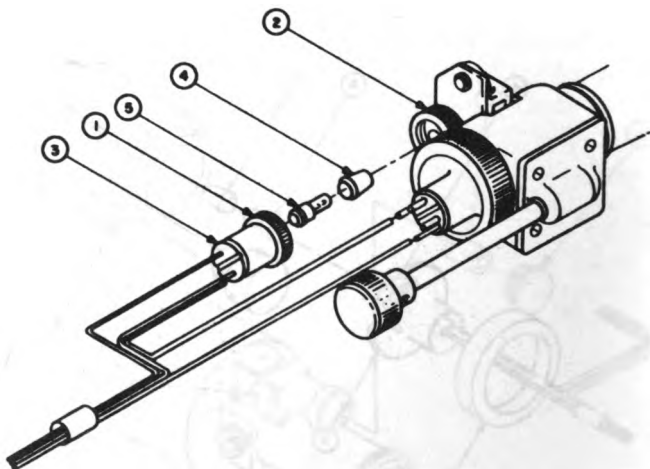
STEP 6 SCREW LAMP HOLDER LENS AND LAMP INTO LAMP HOLDER

STEP 7 PLACE LAMP HOLDER AND HOUSING ON RETICLE ASSEMBLY HOUSING

STEP 8 SCREW CAP ON RETICLE ASSEMBLY HOUSING

TM5855-202-13-32

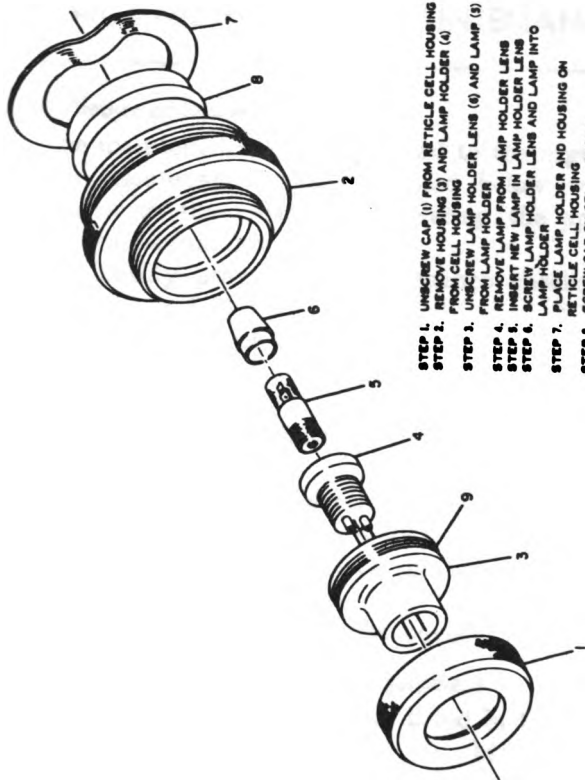
Figure 3-8. Model 9987 reticle lamp replacement.



- STEP 1 UNSCREW NUT (1) FROM BRACKET (2)**
- STEP 2 REMOVE NUT AND LAMP HOLDER (3) FROM BRACKET**
- STEP 3 UNSCREW LAMP HOLDER LENS (4) AND LAMP (5) FROM LAMP HOLDER**
- STEP 4 REMOVE LAMP FROM LAMP HOLDER LENS**
- STEP 5 INSERT NEW LAMP IN LAMP HOLDER LENS**
- STEP 6 SCREW LAMP HOLDER LENS AND LAMP INTO LAMP HOLDER**
- STEP 7 PLACE LAMP HOLDER AND NUT ON BRACKET**
- STEP 8 SCREW NUT ON BRACKET**

TM5835-202-13-33

Figure 3-3. Model 9987 cant level lamp replacement.



- STEP 1. UNSCREW CAP (1) FROM RETICLE CELL HOUSING (2)
 STEP 2. REMOVE HOUSING (2) AND LAMP HOLDER (4)
 FROM CELL HOUSING
 STEP 3. UNSCREW LAMP HOLDER LENS (6) AND LAMP (5)
 FROM LAMP HOLDER
 STEP 4. REMOVE LAMP FROM LAMP HOLDER LENS
 STEP 5. INSERT NEW LAMP IN LAMP HOLDER LENS
 STEP 6. SCREW LAMP HOLDER LENS AND LAMP INTO
 LAMP HOLDER
 STEP 7. PLACE LAMP HOLDER AND HOUSING ON
 RETICLE CELL HOUSING
 STEP 8. SCREW CAP ON CELL HOUSING

TM9988-802-13-34

Figure 3-4. Model 9987A reticle lamp replacement.

CHAPTER 4

ORGANIZATIONAL MAINTENANCE

4-1. Scope of Maintenance

The maintenance duties assigned to the organizational maintenance man are listed below with a reference to the paragraphs covering the specific maintenance function.

a. Monthly preventive maintenance checks and services (para 4-3).

b. Replacement of eyeshield (para 4-5).

c. Replacement of quick disconnect shaft O-ring (para 4-6).

d. Replacement of battery cap and battery cap O-ring (para 4-7).

e. Replacement of defective carrying case and carrying case cushions (para 4-8).

f. Replacement of defective right-angle eyepiece cap (para 4-9).

g. Replacement of boresight cover (para 4-10).

4-2. Tools, Materials, and Test Equipment

Tools and test equipment are listed in the maintenance allocation chart (app. C). Materials required for maintenance are listed in the basic issue items list (app. B) and repair parts and special tools list (app. D).

4-3. Organizational Monthly Preventive Maintenance Checks and Services

Sequence No.	Item to be Inspected	Procedure	Reference
1.....	Crew served weapons sight.	Inspect for completeness including running spares.	App. B.
*2-D, R, S.	Crew served weapons sight.	Clean all items including carrying case, case liners, and accessory items.	Para 3-5.
3.....	Sight assembly.....	Inspect for mechanical damage and check for normal operation.	Fig. 2-5.
4.....	Right-angle eyepiece.....	Inspect for mechanical damage.	
5.....	Carrying case.....	Check for serviceability.	
6.....	Accessory items.....	Check for serviceability.	

D, R, S—Indicates special frequency to be observed when the equipment is used in dusty, sandy, rainy, humid, or salt spray conditions.

*To be accomplished weekly instead of monthly, daily checks recommended in jungle and tropics. Bore-sight assembly components, as well as other external metal components showing corrosion, should be cleaned and sprayed with colloidal graphite MIL-G-26648B (FSN 9150-253-7407).

4-4. Troubleshooting

Troubleshooting by the organizational maintenance man is limited to the location of faulty components by visual inspection, in addition to those troubleshooting procedures that can be accomplished by the operator/crew (para 3-6). If visual inspection reveals deficiencies that cannot be repaired by performing the procedures in paragraphs 4-5 through 4-10, higher category maintenance is required.

4-5. Eyeshield

(fig. 5-1)

Replace the eyeshield when it is torn, cracked, or deteriorated.

a. Remove eyeshield (66) from eyepiece (7) by inserting thumb, or a finger, under the eyeshield and slipping it off the retaining nut on the eyepiece, or by unscrewing the eyeshield and retaining nut from the eyepiece.

b. Insert the new eyeshield by pulling it into place over the retaining nut on the eyepiece, or by screwing the new eyeshield and retaining nut on the eyepiece.

4-6. Quick-Disconnect Shaft

(fig. 5-1)

Remove quick-disconnect shaft and check the O-rings for damage or deterioration when the boresight assembly will not mount properly on the weapons adapter bracket and there is no external damage to the boresight assembly or weapons adapter bracket. Replace O-rings that are damaged or deteriorated.

a. Removal.

- (1) Remove Allen head screw (32) and lock-washer (33).
- (2) Remove locking knob (34) from quick-disconnect shaft (35).
- (3) Remove two screws (68) and lockwashers (67) and lift off boresight lock (65).
- (4) Turn the quick-disconnect shaft in a counter-clockwise direction until it can be lifted out of the hole in boresight assembly (26).

b. Repair. Replace defective O-rings (62). Lubricate new O-rings with silicone grease MIL-G-4343B.

c. Replacement.

- (1) Place quick-disconnect shaft (35) in the hole in the boresight assembly (26) and turn in a clockwise direction until the clamp starts to move.
- (2) Replace boresight lock (65) and insert and tighten two screws (68) and lockwashers (67).
- (3) Replace locking knob (34) on the quick-disconnect shaft.
- (4) Insert and tighten Allen head screw (32) and lockwasher (33).

4-7. Battery Cap and Battery Cap O-Ring (fig. 5-1)

Replace the battery cap or battery cap O-ring when either is damaged or deteriorated.

a. Removal.

- (1) Remove battery cap (1).

(2) Remove battery cap O-ring (2).

b. Replacement.

(1) Lubricate the new O-ring with silicone grease MIL-G-4343B.

(2) Replace battery cap O-ring (2) on battery cap (1).

(3) Replace the battery cap.

4-8. Carrying Case and Cushions

a. Replace the carrying case when it has been damaged to the extent that it is no longer capable of being utilized to properly pack or transport the crew served weapons sight.

b. Replace the carrying case cushions when they have been damaged or have deteriorated so badly that the crew served weapons sight cannot be properly packed.

4-9. Right-Angle Eyepiece Cap

(fig. 1-1)

Replace the right-angle eyepiece cap when it is damaged and does not properly protect the right-angle eyepiece.

4-10. Boresight Cover

(fig. 1-2)

Replace the boresight cover for any of the following reasons:

a. Fails to properly protect the objective lens.

b. Allows too much light to reach the objective lens.

c. Is difficult to remove from the sight assembly.

CHAPTER 5

DS MAINTENANCE

5-1. Scope

The maintenance duties assigned to the direct support maintenance man are listed in the maintenance allocation chart (app. C). Paragraphs 5-3 through 5-14 describe these duties.

5-2. Tools, Materials, and Test Equipment

Tools and test equipment are listed in the maintenance allocation chart (app. C). Materials required for maintenance are listed in the basic issue items list (app. B) and the repair parts and special tools list (app. D).

5-3. Troubleshooting

a. Electrical. Troubleshooting of electrical malfunctions is limited to the location of faulty components by resistance measurements, continuity checks, visual inspection, or replacement with known good components (para 5-10 and 5-11). Refer to appendix D for disposition (recoverability) of faulty components.

- (1) Electrical malfunctions will usually be accompanied by one or more of the following symptoms:

- (a) Improper operation of image intensifier assembly.
 - (b) Improper operation of a lamp or lamps.
 - (c) Improper operation of rotary control switch.
 - (d) Improper operation of reticle intensity control.
- (2) If an electrical malfunction is suspected, replace the following components, one at a time, with known good components in the order listed below:
- (a) Battery.
 - (b) Lamp or lamps.
 - (c) Oscillator.
 - (d) Image intensifier assembly.

Note. If replacement with a known good component does *not* correct the malfunction, reinstall the component that was removed from the sight before continuing with the troubleshooting.

- (3) On the model 9927 crew served weapons sight, make the following checks using a multimeter TS-352/U, or equivalent:
- (a) Remove battery from the sight housing (para 3-6).
 - (b) Remove oscillator (para 5-10).
 - (c) Remove reticle and cant level lamps (para 3-7).

- (d) Check for continuity between ground lug (18, fig. 5-1) and ground side (internal threads) of both lamp holders.
- (e) Place S1 in the 2d (cant level) position and measure resistance between the center contact of cant level lamp holder XDS1 and battery terminal (5). The resistance should be within the range of 73 to 91 ohms.
- (f) Place S1 in 4th (sight and reticle) position and measure the resistance between the center contact of reticle lamp holder XDS2 and battery terminal. The resistance should be variable between a lower value of 335 to 405 ohms and an upper value of P220 to 1500 ohms.
- (g) With S1 in 4th position, check for continuity between battery terminal and oscillator contact (19).
- (h) Repeat (g) above with S1 in 3d position.
- (4) On the model 9927A crew served weapons sight, make the following checks using a Multimeter TS-352/U, or equivalent:
 - (a) Remove battery from the sight housing.
 - (b) Remove oscillator (para 5-10).
 - (c) Remove reticle lamp (para 3-7).
 - (d) Check for continuity between ground lug (18) and ground side (internal threads) of the reticle lamp holder.

- (e) Place S1 in 3d (reticle and sight) position and measure the resistance between the center contact of reticle lamp holder XDS2 and the battery terminal (5). The resistance should be variable between a lower value of 335 to 405 ohms and an upper value of 1220 to 1500 ohms.
- (f) With S1 in 3d position, check for continuity between battery terminal and oscillator contact (19).
- (g) Repeat (f) above with S1 in 2d position.
- (5) If an abnormal indication is obtained in one or more of the checks in (3) and (4) above, perform the following in the order listed below:
 - (a) Check internal wiring in the sight housing (figs. 5-4 and 5-5 for model 9927 or figs. 5-6 and 5-7 for model 9927A) both visually and with a multimeter.
 - (b) Test rotary control switch (para 5-10c).
 - (c) Test reticle intensity control (para 5-10d).
 - (d) Test wiring harness (para 5-10f).
- (6) If internal wiring is defective, make the necessary repairs. If any of the components is found defective, replace that component.

b. Optical and Mechanical. Troubleshooting of optical and mechanical elements is limited to the location of faulty components by visual inspection or replacement with known good components. (para 5-4 through 5-9 and 5-12). Refer to appendix

D for disposition (recoverability) of faulty components.

5-4. Eyepiece (fig. 5-1)

a. Removal. Unscrew retaining ring (6) from sight housing and remove eyepiece (7).

b. Cleaning. Clean external surfaces as described in paragraph 3-5.

c. Inspection.

- (1) Inspect eyepiece for mechanical damage and threaded parts for burred or damaged threads.
- (2) Inspect lenses and convolutions for marks, cracks, or chips.
- (3) Inspect O-ring (79) for damage or deterioration.
- (4) Visually inspect interior of the lens assembly for condensation or mildew.

d. Repair.

- (1) Remove burrs from threads with a small file or emery cloth.
- (2) Replace eyepiece with a new eyepiece when inspection reveals damage to the lens or convolutions, mechanical damage, or condensation or mildew rendering the eyepiece unserviceable.
- (3) Replace O-ring when it is deteriorated or damaged. Lubricate O-ring with silicone grease (MIL-G-4343B).

e. Replacement. Place eyepiece (7) in sight housing (57) insuring that the stamped marking on the eyepiece body is positioned approximately vertically. Tighten retaining ring (6) until it is handtight.

5-5. Hood (fig. 5-1)

Note. No disassembly (b below) or reassembly (e below) is required for model 9927A.

a. Removal. Unscrew five screws (37) that fasten hood (38) to sight housing (57). Slide hood forward, being careful not to damage the wiring harness.

b. Disassembly (Model 9927 Only).

- (1) Unscrew six Phillips screws that attach slide retainer (40) to hood.
- (2) Remove slide retainer, slide (41), and spring (42).

c. Inspection. Inspect parts for mechanical damage.

d. Repair. Replace defective parts.

e. Reassembly (Model 9927 Only).

- (1) Replace dowel pins and springs (42) in slide retainer (40).
- (2) Insert slide (41) on dowel pins.
- (3) Place assembled slide and slide retainer against hood (38) and insert six Phillips screws (39).

f. Replacement.

- (1) Line up the slot in the hood with rubber shield on the wiring harness.

- (2) Slide hood on sight body, being careful not to damage the wiring harness.
- (3) Line up the five screw holes in the hood with the tapped holes in the sight housing.
- (4) Insert five screws (37).

5-6. Focus Knob and Shaft

(fig. 5-1)

a. Removal.

- (1) Remove screw (43), lockwasher (44), and flat washer (45).
- (2) Remove focus knob (46).
- (3) Remove locking knob (47).
- (4) Remove Allen setscrew(s) (48) and unscrew lock shaft (49).
- (5) Pull out focus shaft (50).

b. Disassembly. Remove O-ring (51) from the focus shaft.

c. Inspection. Inspect parts for mechanical damage or deterioration.

d. Repair. Replace defective parts.

e. Reassembly. Lubricate the O-ring with silicone grease (MIL-G-4343B). Place O-ring (51) on focus shaft (50).

f. Replacement.

- (1) Insert focus shaft into the objective lens bracket, insuring that tip of the focus shaft is in the milled slot.
- (2) Screw lock shaft (49) on the sight housing until the shaft bottoms; back lock shaft

off $\frac{1}{4}$ turn. Insert Allen setscrew (48) in lock shaft.

- (3) Screw locking knob (47) on the lock shaft.
- (4) Place focus knob (46) on the focus shaft.
- (5) Insert flat washer (45), lockwasher (44), and screw (43) on the focus shaft.

5-7. Objective Lens (fig. 5-1)

Note. No disassembly (b below) or reassembly (c below) is required for the model 9927.

Caution: Two men are required to remove the objective lens assembly from the sight housing. The objective lens assembly to sight housing water seal is secured by an O-ring and quad ring on the objective lens; the seal from these rings causes the objective lens to have a very snug fit in the sight housing. In order to remove the objective lens assembly from the sight housing it may be necessary to insert a screwdriver in the focus shaft hole and carefully pry the objective lens assembly toward the front of the sight housing (a(4) below).

a. Removal.

- (1) Remove hood (para 5-5).
- (2) Remove focus knob and shaft (para 5-6).
- (3) Remove reticle and cant level lamp assemblies from objective lens (figs. 3-2 and 3-3 (model 9927) or 3-4 (model 9927A)).

- (4) Slide objective lens assembly (52) out of sight housing (57).

b. *Dissassembly (Model 9927A Only).*

- (1) Unscrew retainer nut from the reticle cell assembly (2, fig. 3-4).
- (2) Slide the reticle cell out of the reticle assembly.

c. *Inspection.*

- (1) Inspect the O-rings and quad ring for damage or deterioration.
- (2) Inspect the lenses for marks, cracks, or chips.
- (3) Visually inspect interior of lens assembly for condensation or mildew.
- (4) Inspect mechanical components for damage.
- (5) Inspect reticle cell for damage (model 9927A only).

d. *Repair.*

- (1) Replace O-rings or quad ring when any is damaged or deteriorated. Lubricate rings with silicone grease (MIL-G-4343B).

Note. The quad ring will appear too large; this is normal.

- (2) Replace the objective lens assembly with a new objective lens assembly when inspection reveals any damage or condensation or mildew.
- (3) Replace reticle cell when any part of the cell is damaged.

e. *Reassembly (Model 9927A Only).*

- (1) Slide reticle cell (2) into the reticle assembly.

(2) Tighten retainer nut.

f. Replacement.

(1) Insert objective lens assembly (52) in sight housing (57); carefully line up the milled slot in the lens housing with the hole for the focus shaft.

(2) Replace focus knob and shaft (para 5-6).

(3) Replace reticle and cant level lamps (figs. 3-2 and 3-3).

(4) Replace hood (para 5-5).

5-8. Boresight Assembly

a. Removal (fig. 5-1).

(1) Remove nut (20), lockwasher (21), and flat washer (22) from pivot bolt (23).

(2) Drive out the pivot bolt.

(3) Remove retaining ring (24) from pin (25).

(4) Remove pin.

Note. When removing the boresight assembly, two compressed springs (27) may snap out.

(5) Remove boresight assembly (26) from sight housing (57).

b. Disassembly (fig. 5-2).

(1) Remove retaining rings (1 and 21).

(2) Drive out shoulder pin (2).

(3) Drive out pivot pin (3).

(4) Remove two screws (4), lockwashers (5), and bushings (6).

(5) Separate frame (7) and quick-disconnect assembly (9 through 20).

Note. Be careful that inserts are not lost.

- (6) Remove retainer (13).
- (7) Unscrew azimuth boresight screw (14) from azimuth block (17) and remove boresight screw and wave washer (15).
- (8) Remove two screws (19), lockwashers (20), and click spring (18).
- (9) Remove quick-disconnect shaft (para 4-6).
- (10) Unscrew nylon screw (9) and remove spring (10).
- (11) Unscrew shoulder screw (11) and remove clamp (12).

c. Inspection. Inspect parts for mechanical damage or excessive wear.

d. Repair. Replace defective parts. Spray all parts with colloidal graphite MIL-G-26548B before reassembly.

e. Reassembly.

- (1) Place clamp (12) in the quick-disconnect assembly.
- (2) Screw shoulder screw (11) in the clamp.
- (3) Insert spring (10) and screw the nylon screw (9) in place.
- (4) Place azimuth click spring (18) in place and screw in two screws (19), and lockwashers (20).
- (5) Place slider block (16) in position and insert wave washer (15), azimuth boresight screw (14), and retainer (13).
- (6) Insert the inserts (8) in position.

- (7) Place azimuth block (17) in frame (7).
 - (8) Insert bushings (6), lockwashers (5), and screws (4).
 - (9) Insert pivot pin (3) and retaining ring (21).
 - (10) Insert shoulder pin (2) and retaining ring (1).
 - (11) Insert quick-disconnect shaft (para 4-6).
- f. Replacement* (fig. 5-1).
- (1) Insure that two springs (27) are in place.
 - (2) Place boresight assembly (26) on sight housing (57).
 - (3) Insert pin (25) through boresight assembly and slider block (28).
 - (4) Place retaining ring (24) on pin.
 - (5) Insert pivot bolt (23) through boresight assembly and sight housing.
 - (6) Place flat washer (22), lockwasher (21), and nut (20) on the pivot bolt and tighten nut.

i-9. Elevation Boresight Screw (fig. 5-1)

a. Removal.

- (1) Remove retainer (29).
- (2) Unscrew elevation boresight knob (30), and remove knob, wave washer (31), and elevation slider block (28).
- (3) Remove two screws (59) and click spring (58).

b. Inspection. Inspect parts for mechanical damage or excessive wear:

c. Repair. Replace defective parts.

d. Replacement.

- (1) Place click spring (58) in position and screw in two screws (59).
- (2) Insert elevation slider block (28) and insert wave washer (31) and elevation boresight knob (30).
- (3) Insert retainer (29).

5-10. Electrical Components

(fig. 5-1)

Caution: Be extremely careful when working on interior wiring. Wires are short and brittle. Do *not* twist or pull on wires.

Electrical components include oscillator (15), oscillator contact assembly (19), four-position rotary control switch (model 9927) or three-position rotary control switch (model 9927A) (56), reticle intensity control (61), battery terminal (5), contact spring (8 or 74), wiring harness (71), and internal wiring.

a. Oscillator.

- (1) *Testing.* The only method of testing for a defective oscillator is by substitution of a known good oscillator.
- (2) *Removal.*
 - (a) Unscrew oscillator cover (9).
 - (b) Lift out high voltage oscillator (15).
- (3) *Replacement.*

Caution: Improper seating of the oscillator will damage the image intensifier assembly contact pin or oscillator.

- (a) Place high voltage oscillator (15) in position and press down, insuring that the oscillator contact is seated on the image intensifier assembly contact pin.
- (b) Screw on oscillator cover (9).
- b. Oscillator Contact Assembly.**
 - (1) *Removal.*
 - (a) Remove oscillator (a above).
 - (b) Remove two screws (16) and lockwashers (17).
 - (c) Unsolder lead to oscillator contact (fig. 5-4).
 - (2) *Inspection.* Inspect for mechanical damage or excessive wear.
 - (3) *Repair.* Replace oscillator contact assembly if the inspection reveals damage or excessive wear.
 - (4) *Replacement.*
 - (a) Solder the lead from rotary control switch S1 to the oscillator contact (fig. 5-4 (model 9927) or fig. 5-6 (model 9927A)).
 - (b) Insert ground lug (18), two screws (16), and lockwashers (17). Insure that the ground lug is securely fastened (fig. 5-4).
 - (c) Replace the oscillator (a above).
- c. Rotary Control Switch S1.**
 - (1) *Removal.*
 - (a) Remove the oscillator contact assembly (b above).

- (b) Loosen Allen setscrew (54).
 - (c) Pull knob (55) off switch shaft (56).
 - (d) Remove the switch retaining nut and washer.
 - (e) Push S1 into sight housing.
 - (f) Pull S1 out through the oscillator opening, insuring that rubber gasket remains in place.
 - (g) Make a note of switch connections or tag each lead.
 - (h) Unsolder each lead and resistor from S1.
- (2) *Testing (four-position, model 9987).*
- (a) Remove the battery from the sight housing (para 3-6).
 - (b) Remove the oscillator (b above).
 - (c) Remove S1 from sight housing ((1)(a) through (1)(f) above).
 - (d) Make resistance checks as indicated in the following chart:

Switch position	Resistance from pin 12 to —		
	Pin 4	Pin 7	Pin 9
1 (off).....	∞	∞	∞
2 (cant level).....	∞	0	∞
3 (sight).....	∞	∞	0
4 (sight and reticle).....	0	∞	0

Note. ∞ = infinity.
0 = zero ohms.

(3) *Testing (three-position, model 9927A).*

- (a) Remove the battery from the sight housing (para 3-6).
- (b) Remove the oscillator (*b* above).
- (c) Remove S1 from the sight housing ((1)(a) through (1)(f) above).
- (d) Make resistance checks as indicated in the following chart:

Switch position	Resistance from pin 12 to —		
	Pin 3	Pin 7	Pin 9
1 (off).....	∞	∞	∞
2 (sight).....	0	0	∞
3 (sight and reticle).....	0	0	0

Note. ∞ = infinity.
0 = zero ohms.

- (4) *Repair.* Replace the switch whenever one of the tests ((1) above) fails to show the correct resistance reading.
- (5) *Replacement.*
 - (a) Solder leads and resistors to S1 as indicated by information taken in (1)(g) above.
 - (b) Insert switch with rubber gasket into sight housing through oscillator opening.
 - (c) Place switch shaft through the opening in the sight housing insuring that the flat

on the switch is properly aligned with the flat on the opening.

- (d) Insert washer and retaining nut and tighten the retaining nut.
- (e) Place knob (55) on the shaft.
- (f) Tighten Allen setscrew (54).
- (g) Check S1 to insure that it properly operates through all positions. If not, loosen retaining nut and reposition switch until it operates through all positions.
- (h) Replace oscillator contact assembly.

d. *Reticle Intensity Control R2.*

(1) *Removal.*

- (a) Remove oscillator contact assembly (b above).
- (b) Loosen Allen setscrew (64).
- (c) Remove knob (63) from shaft.
- (d) Remove retaining nut and washer.
- (e) Push shaft into sight housing.
- (f) Pull R2 out through oscillator opening.
- (g) Remove O-ring and retainer.
- (h) Unsolder the two leads.

(2) *Testing.*

- (a) Check the resistance of R2.
- (b) Resistance should be variable from 15 to 1,000 ohms ± 10 percent.

(3) *Repair.* Replace R2 if the resistance reading in (2) above is incorrect.

(4) *Replacement.*

- (a) Solder leads to R2 (fig. 5-4).

- (b) Insert R2, with O-ring and retainer in place, into sight housing through oscillator opening.
- (c) Place shaft through opening in sight housing.
- (d) Insert washer and retaining nut and tighten retaining nut.
- (e) Place knob (63) on shaft and tighten Allen setscrew (64).

e. Battery Terminal.

(1) Removal.

- (a) Pull battery terminal (5) out with pliers.
 - (b) Unsolder the lead.
- (2) Inspection.** Check for mechanical damage.
- (3) Repair.** Replace if damaged.
- (4) Replacement.**

- (a) Solder the lead from contact 12 of S1 to the battery terminal (fig. 5-4).
- (b) Push battery terminal (5) into place, insuring that it is firmly seated.

f. Wiring Harness.

(1) Testing.

- (a) Remove the oscillator contact assembly (b above).
 - (b) Using the multimeter, check the wiring harness for continuity from the inside of the terminal in the sight housing to the lamp holders (fig. 5-4 (model 9927) and fig. 5-6 (model 9927A)).
- (2) Removal (model 9927).**

- (a) Remove the hood (para 5-5).
 - (b) Remove the reticle and cant level lamp holders from the reticle assembly (para 3-7).
 - (c) Remove the staking and potting compound from wiring harness (71, fig. 5-1).
 - (d) Make a note of the connections between the wiring harness and the terminal in the sight housing.
 - (e) Unsolder the wiring harness from the terminal.
 - (f) Remove wire shield (77) from the wiring harness and remove the wiring harness.
- (3) *Removal (model 9927A).*
- (a) Remove the hood (para 5-5).
 - (b) Remove the reticle lamp holder from the reticle assembly (para 3-7).
 - (c) Make a note of the connections between wiring harness (71) and the terminal in the sight housing.
 - (d) Unsolder the wiring harness from the terminal.
 - (e) Remove wiring harness and shields (76, 77, and 78) from the sight housing.
- (4) *Repair.* Replace the wiring harness when the continuity tests in (1) above indicate that there is a broken (open) wire.
- (5) *Replacement (model 9927).*
- (a) Place wiring harness (71) on sight housing (57).

- (b) Place wire shield (77) around the wiring harness.
- (c) Solder the wiring harness to the terminal in the sight housing making note of the previous connections ((2)(d) above).
- (d) Apply sufficient staking and potting compound around the wiring harness to cover the wiring harness and adequately bond it to the sight housing.
- (e) Reinstall the reticle and cant level lamp holders (para 3-7).
- (6) *Replacement (model 9927A).*
 - (a) Place wiring harness (71), with right-angle shield (76) in place, on sight housing (57).
 - (b) Solder the wiring harness to the terminal in the sight housing making note of the previous connections ((3)(c) above).
 - (c) Place wire shields (77 and 78) over the wiring harness.
 - (d) Glue the wire shields in place.
 - (e) Reinstall the reticle lamp holder (para 3-7).
 - (f) Replace the hood (para 5-5).

g. Contact Spring (Model 9927A).

Caution: Do not remove the Model 9927 contact rings (8, fig. 5-1) at direct support. If the contact ring is defective return to depot for repair.

(1) *Testing.*

- (a) Remove the eyepiece assembly (para 5-4).

- (b) Remove the image intensifier assembly (para 5-11).
 - (c) Using a multimeter check for continuity between contact spring (74, fig. 5-1) and ground lug (18).
- (2) *Removal.*
- (a) Remove the eyepiece assembly.
 - (b) Remove the image intensifier assembly.
 - (c) Remove the objective lens assembly (para 5-7).
 - (d) Unscrew screw (73) holding the contact spring in place and remove the screw, lockwasher (75), and contact spring.
- (3) *Repair.* Replace the contact spring when it is damaged or does not make good contact with the image intensifier.
- (4) *Replacement.*
- (a) Put contact spring (74) in place and install lockwasher (75) and screw (73).
 - (b) Replace the objective lens assembly (para 5-7).
 - (c) Replace the image intensifier assembly (para 5-11)
 - (d) Replace the eyepiece assembly (para 5-4).

5-11. Image Intensifier Assembly (fig. 5-3)

a. Testing. The only method of testing for a defective image intensifier assembly at Direct Sup-

port is by substitution of a known good image intensifier assembly.

Caution: Voltages in excess of 45,000 volts exist in the image intensifier assembly. Use caution when removing image intensifier assembly as residual static charge can be retained. Do not touch metal components of image intensifier assembly until discharged.

b. Removal.

- (1) Place rotary control switch at off position.
- (2) Remove battery (fig. 3-1); replace the battery cap.
- (3) Remove oscillator (para 5-10a).
- (4) Remove eyepiece assembly (1).
- (5) Remove image intensifier assembly (3) from the sight housing (2).

Note. It may be necessary to gently tap the sight housing battery cap while holding the sight at a slight angle (eyepiece end down) in order to remove the image intensifier assembly.

Caution: Do not allow the fiber optics to touch the sight housing or get in the discharge path.

- (6) Discharge the image intensifier assembly by shorting across metal components of the image intensifier assembly with the end of the sight housing.

c. Replacement.

- (1) Insert image intensifier assembly (3) into sight housing (2), insuring that locator

pin (5) is in the locator hole in the sight housing and contact pin (4) is centered in oscillator opening (6).

(2) Replace eyepiece assembly (1).

(3) Replace the oscillator (para 5-10a).

(4) Replace the battery (fig. 3-1).

d. *Final Test.* Perform the test in paragraph 5-14.

5-12. Right-Angle Eyepiece

Note. When the right angle eyepiece is installed, the M40 reticle should be installed in the model 9927A (para 5-13).

a. Installation.

(1) Remove the eyepiece assembly (*in-line* eyepiece) (para 5-4).

(2) Place right-angle eyepiece against sight housing, insuring that scored marking on right-angle eyepiece is aligned with the scored marking next to the equipment nomenclature plate on sight housing. Figure 2-3③ shows a right-angle eyepiece properly installed.

(3) Tighten retaining nut (1, fig. 5-8).

(4) Install the *in-line* eyepiece removed in (1) above on the right-angle eyepiece.

b. Removal.

(1) Remove the *in-line* eyepiece from the right-angle eyepiece.

(2) Unscrew the retaining nut and remove the right-angle eyepiece.

c. Inspection.

- (1) Inspect the eyepiece for mechanical damage and threaded parts for burred or damaged threads.
- (2) Inspect lens and convolutions for marks, cracks, or chips.
- (3) Inspect O-ring for damage or deterioration.

d. Repair.

- (1) Remove burs from threads with a small file or emery cloth.
- (2) Replace the right-angle eyepiece when inspection reveals damage to the lens or convolutions or mechanical damage rendering the right-angle eyepiece unserviceable.
- (3) Replace O-ring (3), retaining ring (2), or retaining nut (1) when they are damaged.

e. Replacement. Replace the right-angle eyepiece by following the procedures in *a* above.

5-13. Reticle Cell Assembly (Model 9927A)

The model 9927A crew served weapons sight has two reticle cell assemblies. One cell is for use with the M2 .50 caliber machinegun and one cell is for use with the M40 106-mm recoilless rifle. Each cell is stamped on the outside with the weapon type. The M2 reticle cell assembly should be installed when the in-line eyepiece is installed. The M40 reticle assembly should be installed when the right angle eyepiece is installed.

a. Installation.

Note. (1) through (3) below apply when a reticle cell is already installed.

- (1) Remove the reticle lampholder (f, fig. 3-4).
- (2) Unscrew the reticle cell retainer nut.
- (3) Slide the reticle cell (2) out of the reticle assembly housing.
- (4) Slide the replacement reticle cell into the reticle assembly housing. Keep the stamped M2 or M40 marking on the cell to the bottom.
- (5) Tighten the reticle cell retainer nut.
- (6) Place the lampholder in place and tighten the lamp retainer cap (1).

b. Removal.

- (1) Remove the reticle lampholder (4, fig. 3-4).
- (2) Unscrew the reticle cell retainer nut.
- (3) Slide reticle cell (2) out of reticle assembly housing.

c. Inspection.

- (1) Inspect the O-ring (8) for damage or deterioration.
- (2) Inspect the reticle for damage.

Caution: Clean the reticle with a camel's-hair brush if necessary. Do not wipe with lens paper or cloth.

d. Repair.

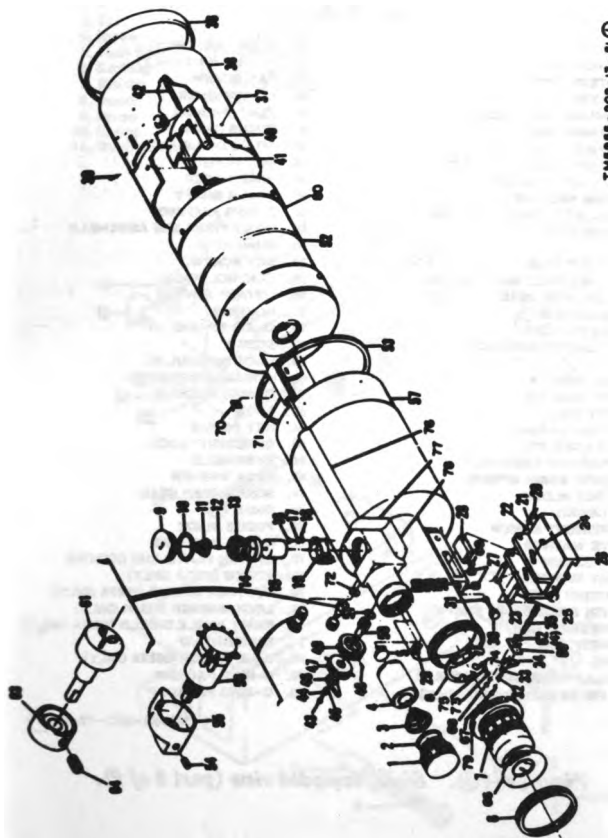
- (1) Replace the O-ring if it is damaged or deteriorated.

(2) Replace the reticle cell assembly if it is damaged or if an operational test indicates that the reticle is punctured or scratched.

e. Replacement. Replace the reticle cell assembly by following the procedures in *a* (4) through (6) above.

5-14. Final Test

A final system test should be performed whenever the image intensifier assembly, objective lens assembly, eyepiece assembly, or electrical components have been replaced or repaired, or when it is suspected that the sight is not operating properly. The test is accomplished by viewing a known object and insuring that it is recognizable and sharp.



TM555-203-13-81 ①

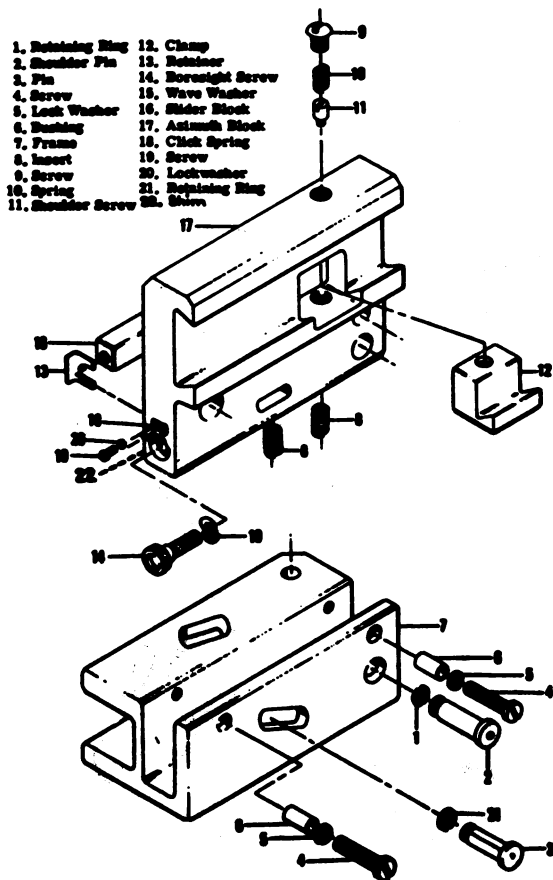
Figure 5-1①. Sight, exploded view (part 1 of 5).

LEGEND:

- | | |
|--------------------------------|-------------------------------------|
| 1. BATTERY CAP | 41. SLIDE (1927 ONLY) |
| 2. O-RING PACKING | 42. SPRING (1927 ONLY) |
| 3. BATTERY SPRING | 43. CAP SCREW |
| 4. BATTERY | 44. LOCKWASHER |
| 5. TERMINAL ASSEMBLY | 45. FLAT WASHER |
| 6. RETAINING NUT | 46. FOCUS KNOB |
| 7. EYEPiece ASSEMBLY | 47. ADJUSTABLE NUT |
| 8. CONTACT RING (1927 ONLY) | 48. SET SCREW |
| 9. OSCILLATOR COVER | 49. SHAFT LOCK |
| 10. O-RING PACKING | 50. FOCUS SHAFT |
| 11. OSCILLATOR COVER SPRING | 51. O-RING PACKING |
| 12. CONNECTOR | 52. OBJECTIVE LENS ASSEMBLY |
| 13. CAP | 53. QUAD RING |
| 14. CONTACT RING | 54. SET SCREW |
| 15. HIGH VOLTAGE OSCILLATOR | 55. CONTROL KNOB |
| 16. SCREW, PAN HEAD | 56. ROTARY SWITCH |
| 17. LOCK WASHER | 57. HOUSING |
| 18. TERMINAL LUG | 58. CLICK SPRING |
| 19. OSCILLATOR CONTACT | 59. SCREW |
| 20. NUT | 60. LOCK WASHER |
| 21. LOCK WASHER | 61. VARIABLE RESISTOR |
| 22. FLAT WASHER | 62. O-RING PACKING |
| 23. PIVOT BOLT | 63. KNOB |
| 24. RETAINING RING | 64. SET SCREW |
| 25. SHOULDER PIN | 65. BORESIGHT LOCK |
| 26. BORESIGHT ASSEMBLY | 66. EYESHIELD |
| 27. COMPRESSION SPRING | 67. LOCK WASHER |
| 28. SLIDER BLOCK | 68. SCREW, PAN HEAD |
| 29. RETAINER | 69. SHIM |
| 30. BORESIGHT SCREW | 70. FOCUS SLIDE |
| 31. WAVE WASHER | 71. WIRING HARNESS |
| 32. CAP SCREW | 72. SWITCH PLATE AND SCREWS |
| 33. FLAT WASHER | 73. SCREW (1927A ONLY) |
| 34. LOCKING KNOB | 74. CONTACT SPRING (1927A ONLY) |
| 35. QUICK DISCONNECT SHAFT | 75. LOCK WASHER (1927A ONLY) |
| 36. BORESIGHT COVER | 76. RIGHT ANGLE SHIELD (1927A ONLY) |
| 37. SCREW | 77. WIRE SHIELD |
| 38. HOOD | 78. WIRE SHIELD (1927A ONLY) |
| 39. PHILLIPS SCREW (1927 ONLY) | 79. O-RING PACKING |
| 40. SLIDE RETAINER (1927 ONLY) | 80. O-RING PACKING |

TM9005-202-13-61 (2)

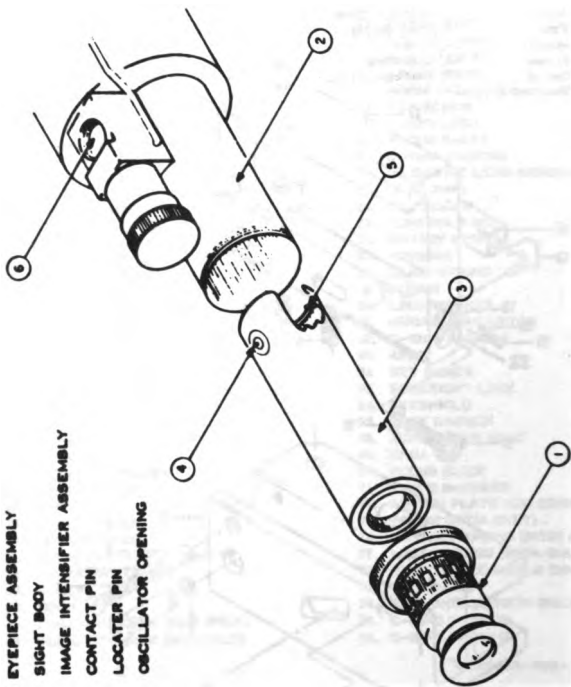
Figure 5-1 (2). Right, exploded view (part 2 of 2).



YMS005-202-13-02

Figure 5-9. Bore-sight, exploded view.

1. EYEPiece ASSEMBLY
2. SIGHT BODY
3. IMAGE INTENSIFIER ASSEMBLY
4. CONTACT PIN
5. LOCATER PIN
6. OSCILLATOR OPENING



TM 9-202-13-53

Figure 5-3. Image intensifier assembly installation.

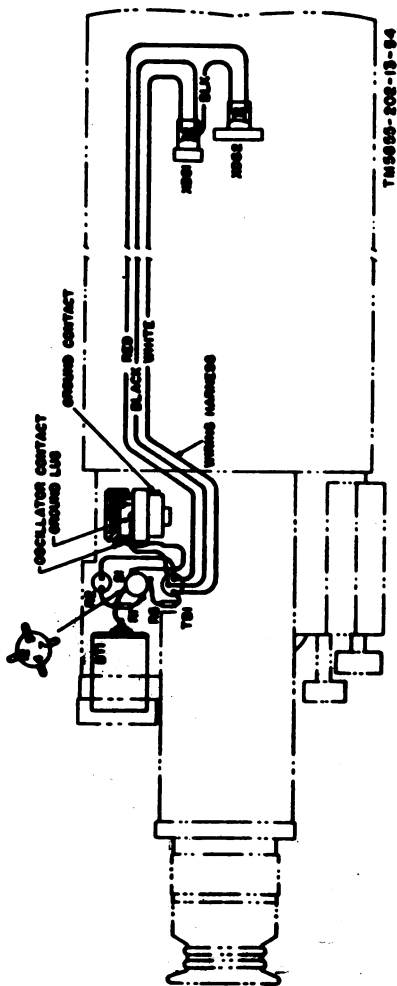


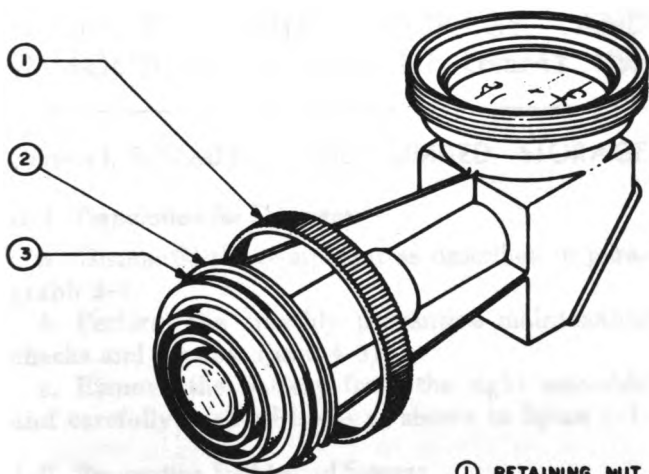
Figure 5-4. Model 9987 electrical installation.



Figure 5-5. Model 9987 wiring diagram.



Figure 6-7. Model 9987A wiring diagram.



- ① RETAINING NUT
- ② RETAINING RING
- ③ O-RING

TM8096-202-13-58

Figure 5-8. Right-angle eyepiece.

CHAPTER 6

SHIPMENT, LIMITED STORAGE, AND DEMOLITION TO PREVENT ENEMY USE

Section I. SHIPMENT AND LIMITED STORAGE

6-1. Preparation for Shipment

a. Dismantle the equipment as described in paragraph 2-7.

b. Perform the monthly preventive maintenance checks and services (para 4-3).

c. Remove the battery from the sight assembly and carefully pack all items as shown in figure 1-1.

6-2. Preparation for Limited Storage

a. Dismantle the equipment as described in paragraph 2-7.

b. Perform the monthly preventive maintenance checks and services (para 4-3).

c. Remove the battery from the sight assembly.

d. Carefully pack all items, *except* the batteries, as shown in figure 1-1.

e. Remove the batteries from the carrying case and, if possible, store them in an area that has moderate temperatures (between 50° F. and 80° F.).

6-3. Inspection and Maintenance of Equipment in Storage

Spot check equipment in storage to insure that it is free from condensation, mildew, and fungus. When the spot check indicates that condensation, mildew, or fungus is present, check all stored equipment; clean the equipment as required (para 3-5).

Section II. DEMOLITION TO PREVENT ENEMY USE

6-4. General

The demolition procedures given in paragraph 6-6 should be used to destroy the equipment and render it inoperative. The image intensifier assembly must be destroyed to a degree that will prevent duplication. Paragraph 6-5 gives the order of priority for demolition of the equipment and repair parts. The explosive method of destruction of the sight assembly (para 6-6b) should be used where time is not a deciding factor; small arms fire (para 6-6a) should be used as the method of destruction where time is a limiting factor.

6-5. Demolition Plan

a. Image intensifier assembly.

Note. Insure that the image intensifier assembly is completely destroyed before continuing.

b. Eyepiece assembly.

c. Objective lens assembly.

d. Battery and oscillator.

- e. Miscellaneous repair parts.
- f. Technical manuals.
- g. Accessory items.
- h. Carrying case.

6-6. Methods of Destruction

a. Small Arms Fire.

Warning: Be careful when using small arms fire. Glass and metal fragments may spray back in the direction of the person firing.

- (1) Place the crew served weapons sight assembly against a sandbag, mound of dirt, or other suitable object so that the sight is positioned as shown in figure 6-1.
- (2) From a distance of approximately 2 meters, fire rounds from a 7.62-mm M14 rifle or 5.56-mm M16 rifle into the points on the sight assembly designated by the small circles in figure 6-1. The numbers in the small circles indicate the order in which the rounds should be fired.

b. Explosives.

Warning: Be extremely careful when using explosives for demolition.

- (1) Fasten an M26 fragmentation grenade near the point marked with an "X" in figure 6-1.
- (2) Firmly attach the sight assembly and grenade to stakes, a tree trunk, or other suitable object.

- (3) Remotely detonate the grenade from a safe location.

c. Mechanical.

Note. This method of destruction should be used on the sight assembly *only* when the methods described in *a* and *b* above cannot be used. If this method is used, thoroughly dispose of the destroyed parts (*e* below).

- (1) Use a suitable heavy object to smash the crew served weapons sight assembly at the points marked "S" in figure 6-1.

- (2) Smash the accessory items and carrying case.

d. Burn. Burn as much of the equipment as is flammable. Use gasoline, oil, flamethrowers, etc., to destroy the equipment by burning.

e. Disposal. Throw destroyed parts and miscellaneous repair parts into nearby waterways or bury or scatter the parts if there are no nearby waterways.

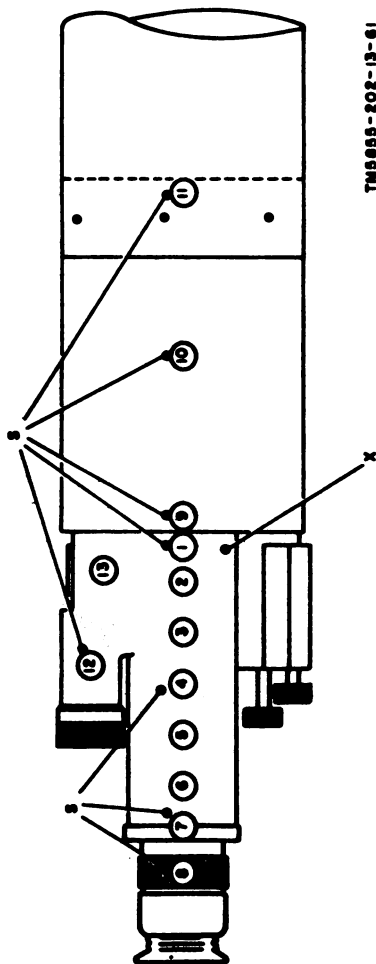


Figure 6-1. Crew served weapon sight demolition.

APPENDIX A

REFERENCES

DA Pam 310-4	Index of Technical Manuals, Technical Bulletins, Supply Manuals (Types 4, 6, 7, 8, and 9), Supply Bulletins, Lubrication Orders, and Modification Work Order
FM 5-25	Explosives and Demolition
FM 23-65	Browning Machinegun Caliber .50 HB, M2
FM 23-82	106-MM Recoilless Rifle M40A1
TB SIG 364	Field Instructions for Painting and Preserving Electronics Command Equipment
TM 38-750	Army Equipment Record Procedures

APPENDIX B

BASIC ISSUE ITEMS

Section I. INTRODUCTION

B-1. General

This appendix lists items for Night Vision Sight, Crew Served Weapons, models 9927 and 9927A, the component items comprising it, and the items which accompany it, or are required for installation, operation, or operator's maintenance.

B-2. Explanation of Columns

An explanation of the columns in section II is given below.

a. Source, Maintenance, and Recoverability Codes (Column 1).

- (1) *Source code, column 1a.* The selection status and source for the listed item is noted here. The source codes used are—

<i>Code</i>	<i>Explanation</i>
P-----	Applies to repair parts which are stocked in or supplied from the GSA/DSA, or Army supply system, and authorized for use at indicated maintenance categories.

<i>Code</i>	<i>Explanation</i>
X1.....	Applies to repair parts which are not procured or stocked, the requirement for which will be supplied by the use of next higher assembly or component.

- (2) *Maintenance code, column 1b.* The lowest category of maintenance authorized to install the listed item is noted here. The maintenance codes used are as follows:

<i>Code</i>	<i>Explanation</i>
O.....	Organizational maintenance.
F.....	Direct support maintenance.

- (3) *Recoverability code, column 1c.* The information in this column indicates whether unserviceable items should be returned for recovery or salvage. Recoverability code and its explanation are as follows:

Note. When no code is indicated in the recoverability column, the part will be considered expendable.

<i>Code</i>	<i>Explanation</i>
T.....	Applies to high dollar value recoverable repair parts that are subject to special handling and are issued on an exchange basis. Such repair parts normally are repaired or overhauled at depot maintenance activities.

b. Federal Stock Number, Column 2. The Federal stock number for the item is indicated in this column.

c. Description, Column 3. The Federal item name, a five-digit manufacturer's code, and part number are included in this column.

d. Unit of Issue, Column 4. The unit used as a basis of issue (e.g. ea, pr, ft, yd, etc.) is noted in this column.

e. Quantity Incorporated in Unit Pack, Column 5. Not used.

f. Quantity Incorporated in Unit, Column 6. The total quantity of the item used in the equipment is given in this column.

g. Quantity Authorized, Column 7. The total quantity of an item required to be on hand and necessary for the operation and maintenance of the equipment is given in this column. Items to be requisitioned as required are indicated by an asterisk.

h. Illustration, Column 8.

(1) *Figure number, column 8a.* The number of the illustration in which the item is shown is indicated in this column.

(2) *Item or symbol number, column 8b.* Not used.

B-3. Batteries

Dry batteries shown are used with the equipment but are not considered part of the equipment. They will not be preshipped automatically but are to be requisitioned in quantities necessary for the particular organization, in accordance with SB 11-6.

Section II. BASIC ISSUE ITEMS LIST

(1)			(2)	(3)	(4)	(5)	(6)	(7)	(8)
Source code	Maintenance code	Recoverability code							
			Federal stock No.	Description	Unit of issue	Quantity incorporated in unit pack	Quantity incorporated in unit	Quantity authorized	Fig. No. (a) Item or sym- bol No. (b)
				GROUP I MODEL 9927					1-1
			1000-911-1370	NIGHT VISION SIGHT, CREW SERVED WEAPONS MODEL 9927-97403-13213E2277 (THIS ITEM IS NON- EXPENDABLE). Technical Manual TM 11-5655-202-13 Requisition through pinpoint account number if as- signed, otherwise through nearest adjacent general facility. Note. A quantity of 1 technical manual is authorized with each equipment. Where a valid need exists, additional copies may be requisitioned and kept on hand.	ea		1	1	

P	O	5855-903-4043	CASE, CARRYING-80063-SC-B-614377.....	ea	....	1	1	1-1
P	O	5855-999-9261	CUSHION, BOTTOM-80063-SC-B-614379.....	ea	....	1	1	1-1
P	O	5855-999-9260	CUSHION, TOP-80063-SC-B-614378.....	ea	....	1	1	1-1
P	O	6135-926-0827	BATTERY, MERCURY-96906-BA-1100/U.....	ea	....	1	1	1-1
P	O	8020-409-3000	BRUSH, ARTIST-96906-II-B-1118.....	ea	....	1	1	1-1
P	O	6640-597-6745	PAPER, TISSUE-96900-NNN-P-40.....	pk	....	1	2	1-1
P	O	6240-941-1255	LAMP, MINIATURE-80063-SC-B-614441.....	ea	....	2	3	1-1
P	F	5855-925-6896	EYEPiece, RIGHT ANGLE-80063-SC-C-614350.....	ea	....	1	1	1-1
XI	F	5855-930-6012	NIGHT VISION SIGHT ASSEMBLY-97403-13213E-2278.	ea	....	1	1	1-2
P	O	5855-922-6459	COVER, BORESIGHT-80063-SC-C-614380.....	ea	....	1	1	
			ACCESSORIES, TOOLS AND TEST EQUIPMENT					
P	O	1090-911-0703	ADAPTER ASSEMBLY, M2.50 CALIBER MACHINE-GUN 97403-13204E2398.	ea	....	(*)	(*)	1-1
P	O	1090-911-0704	ADAPTER ASSEMBLY, M40, 106 MM RECOILLESS RIFLE 97403-13213E2367.	ea	....	(*)	(*)	1-1
P	O	1090-911-0705	ADAPTER ASSEMBLY, 20-MM AUTOMATIC CAN-NON-97403-13213E2319.	ea	....	(*)	(*)

No basic issue items are mounted in or on this equipment

(1)	(2)		(3)	(4)	(5)	(6)	(7)	(8)
	Maintenance code	Recoverability code						
(a)			Federal stock No.		Unit of issue	Quantity incorporated in unit pack	Quantity incorporated in unit	Quantity authorized
(b)								
(c)								

P	O	5855-003-1043	CASE, CARRYING-80063-SC-B-614377	ea	1	1
P	O	5855-999-9261	CUSHION, BOTTOM-80063-SC-B-614379	ea	1	1
P	O	5855-999-9260	CUSHION, TOP-80063-SC-B-614378	ea	1	1
XI	F	5855-037-1662	SIGHT ASSEMBLY-80063-SC-D-614276	ea	1	1
P	O	5855-922-6459	COVER, BORE SIGHT-80063-SC-C-614380	ea	1	1
P	O	6240-941-1255	LAMP, MINIATURE-80063-SC-B-614441	ea	1	2
P	O	6135-928-0827	BATTERY, MERCURY-96906-BA-1100/U	ea	1	3
P	O	8020-409-3000	BRUSH, ARTIST-96906-II-B-1118	ea	1	1
P	O	6640-597-6745	PAPER, TISSUE-96906-MNN-P-40	ea	1	1
ACCESSORIES, TOOLS AND TEST EQUIPMENT						
P	O	1090-911-0703	ADAPTER ASSEMBLY, M2 .50 CALIBER MACHINE-GUN-97403-13204E2398	ea	(*)	(*)
P	O	1090-911-0704	ADAPTER ASSEMBLY, M40, 106MM RECOILLESS RIFLE-97403-13213E2367	ea	(*)	(*)
P	O	1090-911-0705	ADAPTER ASSEMBLY, 20MM AUTOMATIC CAN-NON-97403-13213E2319	ea	(*)	(*)
No basic issue items are mounted in or on this equipment						

APPENDIX C

MAINTENANCE ALLOCATION

Section I. INTRODUCTION

C-1. General

This appendix provides a summary of the maintenance operations covered in the equipment literature for Night Vision Sight, Crew Served Weapons, models 9927 and 9927A. It authorizes categories of maintenance for specific maintenance functions on repairable items and components and the tools and equipment required to perform each function. This appendix may be used as an aid in planning maintenance operations.

C-2. Explanation of Format for Maintenance Allocation Chart

a. Group Number. Not used.

b. Component Assembly Nomenclature. This column lists the item names of component units, assemblies, subassemblies, and modules on which maintenance is authorized.

c. Maintenance Function. This column indicates the maintenance category at which performance of the specific maintenance function is authorized.

Authorization to perform a function at any category also includes authorization to perform that function at higher categories. The codes used represent the various maintenance categories as follows:

<i>Code</i>	<i>Maintenance category</i>
C.....	Operator/crew.
O.....	Organizational maintenance.
F.....	Direct support maintenance.
H.....	General support maintenance.
D.....	Depot maintenance.

d. Tools and Equipment. The numbers appearing in this column refer to specific tools and equipment which are identified by these numbers in sections III and V.

e. Remarks. Self-explanatory.

C-3. Explanation of Format for Tool and Test Equipment Requirements

The columns in the tool and test equipment requirements chart are as follows:

a. Tools and Equipment. The numbers in this column coincide with the numbers used in the tools and equipment column of the MAC. The numbers indicate the applicable tool for the maintenance function.

b. Maintenance Category. The codes in this column indicate the maintenance category normally allocated the facility.

c. *Nomenclature.* This column lists tools, test, and maintenance equipment required to perform the maintenance functions.

d. *Federal Stock Number.* This column lists the Federal stock number.

e. *Tool Number.* Not used.

Section II. MAINTENANCE ALLOCATION CHART (MODEL 9927)

Group No.	Component assembly nomenclature	Maintenance functions										Tools and equipment	Remarks
		Inspect	Test	Service	Adjust	Align	Calibrate	Install	Replace	Repair	Overhaul	Rebuild	
	NIGHT VISION SIGHT CREW SERVED WEAPONS, MODEL 9927.			C					O	F			
	CASE, CARRYING.....												2 Depot facilities.
	NAMEPLATES.....												2
	HARDWARE.....								F		D		2
	CUSHIONS, CARRYING CASE.			C					F				2
	EYEPiece ASSEMBLY, RIGHT ANGLE.			C					O				
		F						F	F	D		D	2 Depot facilities.
	CAP, EYEPiece.....								O				2
	RING, RETAINING.....								F				2
	NUT, RETAINING.....								F				2
	O-RING.....								F				2
	SIGHT ASSEMBLY.....	F	F	C									System test. Depot facilities
			F								D		

Section III. TOOL AND TEST EQUIPMENT REQUIREMENTS (MODEL 9927)

Tools and equip. ment	Maintenance category	Nomenclature	Federal stock No.	Tool num-ber
1	F	MULTIMETER TS-352/U.....	6625-242-5023	
2	F	TOOL KIT, ELECTRONIC EQUIPMENT TK-100/O..... <i>Note.</i> All other handtools, solvents, grease, and optical cleaning articles etc., are listed in basic issue items list or appropriate repair parts and special tool lists.	5180-605-0079	

Section IV. MAINTENANCE ALLOCATION CHART (MODEL 9927A)

Group No.	Component assembly nomenclature	Maintenance functions										Tools and equip-ment	Remarks	
		Inspect	Test	Service	Adjust	Align	Calibrate	Install	Replace	Repair	Overhaul			Rebuild
	CASE, CARRYING.....			C					O	2			2	Depot facilities.
	NAMEPLATES.....								2		D		2	
	HARDWARE.....												2	

Group No.	Component assembly nomenclature	Maintenance functions										Tools and equip-ment	Remarks
		Inspect	Test	Service	Adjust	Align	Calibrate	Install	Replace	Repair	Overhaul			Rebuild
	IMAGE INTENSIFIER AS-SEMBLY.	F	.....	.....	.....	.....	.....	.....	F	.....	.....	2	Observe warning and caution notes in T.M. Depot facilities.
	OSCILLATOR ASSEMBLY.	.....	D	.....	.....	.....	.....	.....	F	D	D	2	
	BORESIGHT ASSEMBLY.	.....	.....	.....	.....	.....	.....	.....	F	F	.....	2	
	KNOBS.....	.....	.....	.....	.....	.....	.....	.....	F	.....	.....	2	
	HARDWARE.....	.....	.....	.....	.....	.....	.....	.....	F	.....	.....	2	
	ELECTRICAL COMPO-NENTS.	.....	F	.....	.....	.....	.....	.....	F	.....	.....	1 and 2	

Section V. TOOL AND TEST EQUIPMENT REQUIREMENTS (MODEL 9927A)

Tools and equipment	Maintenance category	Nomenclature	Federal stock No.	Tool number
1	F.....	MULTIMETER TS-302/U.....	6025-242-5023	
2	F.....	TOOL KIT, ELECTRONIC EQUIPMENT TK-100/G..... Nec. All other handtools, solvents, grease, and optical cleaning articles etc., are listed in basic issue items list or appropriate repair parts and special tool lists.	5180-605-0079	

APPENDIX D

ORGANIZATIONAL AND DIRECT SUPPORT REPAIR PARTS

Section I. INTRODUCTION

D-1. General

This appendix contains a list of repair parts required for the performance of organizational maintenance and a list covering the corresponding requirements for direct support for Night Vision Sight, Crew Served Weapons, models 9927 and 9927A.

Note. No special tools, test, and support equipment are required.

D-2. Sections

This repair parts list is divided into sections as follows:

a. Prescribed Load Allowance List (PLA)—Section II. The PLA is a consolidated listing of repair parts allocated for initial stockage at organizational maintenance. This is a mandatory minimum stockage allowance.

b. Repair Parts for Organizational Maintenance—Section III. Repair parts authorized for organizational maintenance is included in this section.

c. Repair Parts for Direct Support—Section IV. This chart lists repair parts authorized for maintenance performance at direct support. For general support and depot see TM 11-5855-202-45P.

d. Federal Stock Number Cross-Reference Index—Section V. This is a cross-reference index of Federal stock numbers to illustrations by figure and item number.

D-3. Explanation of Columns

An explanation of the columns in sections II through IV is given below.

a. Source, Maintenance, and Recoverability Codes, Column 1, Sections III and IV.

- (1) *Source code, column 1a.* The selection status and source for the listed item is noted here. Source codes and their explanations are as follows:

<i>Code</i>	<i>Explanation</i>
P.....	Applies to repair parts that are stocked in or supplied from the GSA/DSA, or Army supply system, and authorized for use at indicated maintenance categories.
X1.....	Applies to repair parts which are not procured or stocked, the requirement for which will be supplied by the use of next higher assembly or component.

- (2) *Maintenance code, column 1b.* The lowest category of maintenance authorized to install the listed item is noted here.

<i>Code</i>	<i>Explanation</i>
O.....	Organizational maintenance.
F.....	Direct support maintenance.

- (3) *Recoverability code, column 1c.* The information in this column indicates whether un-serviceable items should be returned for recovery or salvage. Recoverability codes and their explanations are as follows:

Note. When no code is indicated in the recoverability column, the part will be considered expendable.

<i>Code</i>	<i>Explanation</i>
R.....	Applies to repair parts and assemblies which are economically repairable at DSU and GSU activities and normally are furnished by supply on an exchange basis.
T.....	Applies to high dollar value recoverable repair parts which are subject to special handling and are issued on an exchange basis. Such repair parts normally are repaired or overhauled at depot maintenance activities.

b. Federal Stock Number, Column 1, Section II; Column 2, Sections III and IV. The Federal stock number for the item is indicated in this column.

c. Description, Column 3, Section II; Column 3, Sections III and IV. The sequence number, Federal item name, a five-digit manufacturer's code, an indenture code, and a part number are included in this column. For subsequent appearances of the same item, the manufacturer's code and part number are omitted. The words "same as" followed by the sequence number assigned to the item when it first appeared in the list will follow the item name, e.g., "RESISTOR, FIXED, COMPOSITION: SAME AS A298." The indenture codes indicate the end item, the assemblies, and the component parts. Identical codes are parts of the preceding higher code. An asterisk in the indenture code column indicates attaching hardware.

d. Unit of Issue, Column 4, Sections III and IV. The unit used as a basis of issue (e.g., ea, pr, ft, yd, etc.) is noted in this column.

e. Quantity Incorporated in Unit Pack, Column 4, Section II; Column 5, Sections III and IV. Not used.

f. Quantity Incorporated in Unit, Column 6, Sections III and IV. The quantity of repair parts in an assembly is given in this column.

g. Maintenance Allowance, Column 3, Section II; Column 7, Sections III and IV.

- (1) The allowance columns are divided into sub-columns. The total quantity of items au-

thorized for the number of equipments supported is indicated in each subcolumn opposite the first appearance of each item. Subsequent appearances of the same item will have no entry in the allowance columns but will have a reference, in the description column, to the first appearance of the item. Items authorized for use as required but not for initial stockage are identified with an asterisk in the allowance column.

- (2) The quantitative allowances for organizational category of maintenance represents one initial prescribed load for a 15-day period for the number of equipments supported. Units and organizations authorized additional prescribed loads will multiply the number of prescribed loads authorized by the quantity of repair parts reflected in the appropriate density column to obtain the total quantity of repair parts authorized.
- (3) Subsequent changes to organizational allowances will be limited as follows: No change in the range of items is authorized. If additional items are considered necessary, recommendation should be forwarded to Commanding General, U.S. Army Electronics Command, ATTN: AMSEL-MR-NMP-RR, Fort Monmouth, N.J. 07703, for exception or revision to the allowance list. Revisions to the range of items authorized

will be made by the USA ECOM National Maintenance Point based upon engineering experience, demand data, or TAERS information.

- (4) The quantitative allowances for DS categories of maintenance will represent initial stockage for a 30-day period for the number of equipments supported.

h. Illustration, Column 8, Section III; Column 10, Section IV.

- (1) *Figure number, columns 8a and 10a.* The number of the illustration in which the item is shown is indicated in this column.
- (2) *Item or symbol number, columns 8b and 10b.* The callout number used to reference the item in the illustration is indicated in this column.

D-4. Location of Repair Parts

a. When the Federal stock number is unknown follow the procedures given in (1) through (4) below.

- (1) Use the table of contents to locate the appropriate appendix of the repair parts list.
- (2) If the item or symbol number is available, locate the item by scrutiny of columns 8b and/or 10b of the repair parts list.
- (3) If the item, symbol, or figure number is not known check the description column (col. 3) in the repair parts list to locate the part.

(4) Locate the applicable illustration in this manual and note the figure number and item number. Use the repair parts listing and locate the figure number and item number as noted on the illustration.

b. When the Federal stock number is known, use the repair part listing to find the part and the figure and item numbers as noted in the index of Federal stock numbers.

D-5. Federal Supply Codes

This paragraph lists the Federal supply code and the associated manufacturer's name.

<i>Code No.</i>	<i>Manufacturer's name</i>
01121.....	Allen-Bradley Co.
80063.....	Army Electronics Command, Procurement and Production Directorate.
96906.....	Military Standard.
97403.....	Army Engineer Research and Development Laboratories.

Section II. PRESCRIBED LOAD ALLOWANCE LIST

(1) Federal stock No.	(2) Description	(3) 15-day organizational maintenance allowance				(4) Quan- tity incor- porated in unit pack
		(3)				
		(a) 1-5	(b) 6-20	(c) 21-50	(d) 51-100	
GROUP I MODEL 9027						
5330-551-8252	PACKING O-RING-00003-M 89021-030.....	1	1	1	1	1
5330-580-2278	PACKING O-RING-00003-M 89021-010.....	1	1	1	1	1
5855-022-6459	COVER, BORE SIGHT-00003-SC-C-614390.....	1	1	1	1	1
5855-025-0114	EYESHIELD ASSEMBLY-00003-SC-D-614703.....	1	1	1	1	1
5855-041-5857	CAP, BATTERY-00003-SC-C-614431.....	1	1	1	1	1
5855-043-5309	CAP, EYEPiece-00003-SC-C-614415.....	1	1	1	1	1
6040-041-1255	LAMP, MINIATURE-00003-SC-B-614441.....	1	1	2	2	2
GROUP II MODEL 9027A						
5330-551-8252	PACKING O-RING-00003-M 89021-030.....	1	1	1	1	1
5330-580-2278	PACKING O-RING-00003-M 89021-010.....	1	1	1	1	1
5855-022-6459	COVER, BORE SIGHT-00003-SC-C-614390.....	1	1	1	1	1
5855-025-0114	EYESHIELD ASSEMBLY-00003-SC-D-614703.....	1	1	1	1	1
5855-041-5857	CAP, BATTERY-00003-SC-C-614431.....	1	1	1	1	1
5855-043-5309	CAP, EYEPiece-00003-SC-C-614415.....	1	1	1	1	1
6040-041-1255	LAMP, MINIATURE-00003-SC-B-614441.....	1	1	2	2	2

Section III. REPAIR PARTS FOR ORGANIZATIONAL MAINTENANCE

(1)			(2)	(3)	(4)	(5)	(6)	(7)				(8)	
Source code	(a)	(b)	(c)	Federal stock No.	Description	Unit of issue	Quantity incorporated in unit pack	Quantity incorporated in unit	15-day organizational maintenance allowance				Illustrations
									(a)	(b)	(c)	(d)		Figure No.	Item or symbol
					GROUP 1 MODEL 9027								1-1
			1000-911-1370		1 NIGHT VISION SIGHT, CREW SERVED WEAPONS MODEL 9027-97403-13213E277 (THIS ITEM IS NONEXPENDABLE).								1-1
P		O	2055-003-4043		2 CASE, CARRYING-80003-SC-B-614377.	ea		1	(*)	(*)	(*)	(*)	1-1
P		O	2055-000-9201		3 CUSHION, BOTTOM-80003-SC-B-614379.	ea		1	(*)	(*)	(*)	(*)	1-1
P		O	2055-000-9200		4 CUSHION, TOP-80003-SC-B-614379.	ea		1	(*)	(*)	(*)	(*)	1-1

(1)		(2)	(3)	(4)	(5)	(6)	(7)				(8)	
(a)	(b)										(a)	(b)
Source code		Federal stock No.	Description	Unit of issue	Quantity incorporated in unit pack	Quantity incorporated in unit	15-day organizational maintenance allowance				Illustrations	
(c)	(d)						(a)	(b)	(c)	(d)	Figure No.	Item or symbol No.
P	O	6125-028-0827	5 BATTERY, MERCURY-00006-BA-1100/U.	ea	...	1	1-5	...	...	...	1-1	1-1
P	O	8020-409-3000	6 BRUSH, ARTIST-00006-H-B-118.	ea	...	1	(*)	(*)	(*)	(*)	1-1	1-1
P	O	6040-597-6745	7 PAPER, TISSUE-00006-NNN-P-40.	pk	...	1	(*)	(*)	(*)	(*)	1-1	1-1
P	O	6240-041-1255	8 LAMP, MINIATURE-80003-SC-B-61441.	ea	...	2	1	1	2	2	1-1	1-1
P	O	5855-043-5309	29 CAP, EYEPIECE-80003-SC-C-614415.	ea	...	1	1	1	1	1	1-1	1-1
P	O	5855-041-5867	63 CAP, BATTERY-80003-SC-C-614431.	ea	...	1	1	1	1	1	1-1	1-1
P	O	5320-551-8252	64 PACKING, O-RING-00006-MS-9021-030.	ea	...	1	1	1	1	1	1-1	2

P	O	...	8855-825-0814	73 EYESHIELD ASSEMBLY-80083-SC-D-614703.	ea	...	1	1	1	1	1	1	5-1	ea
XI	O	...	1080-911-1785	74 EYESHIELD-80083-SC-D-614897.	ea	...	1	...	...	...	...	...	...	...
XI	O	...	8310-914-8228	75 NUT, RETAINING-80083-SC-C-614824.	ea	...	1	...	...	...	...	...	...	...
P	O	...	6320-880-2278	130A PACKING, O-RING-80008-M8-9021-010.	ea	...	4	1	1	1	1	1	5-1	ea
P	O	...	8855-822-6459	173 COVER, BORESIGHT-80083-SC-C-614390.	ea	...	1	1	1	1	1	1	5-1	ea
P	O	...	1080-911-0708	204 ADAPTER ASSEMBLY, M2. 50 CALIBER MACHINEGUN-97403-13204E2398.	ea	...	1	(*)	(*)	(*)	(*)	(*)	1-1	...
P	O	...	1080-911-0704	205 ADAPTER ASSEMBLY, M40, 105-MM RECOILLESS RIFLE-97403-13213E2367.	ea	...	1	(*)	(*)	(*)	(*)	(*)	1-1	...
P	O	...	1080-911-0706	206 ADAPTER ASSEMBLY, 20-MM AUTOMATIC CANNON-97403-13213E2319.	ea	...	1	(*)	(*)	(*)	(*)	(*)	...	...
GROUP II MODEL 9027A														
A001 NIGHT VISION SIGHT, CREW SERVED WEAPONS MODEL 9027A-80083-SC-C-614275 (THIS ITEM IS NONEXPENDABLE).														
P	O	...	8855-843-5309	A019 CAP, EYEPiece-80083-SC-C-614415.	ea	...	1	1	1	1	1	1	1	...

XI	O	3310-914- 8236	A647A	NUT, RETAINING-80003-SC- C-614624.	68	1	1	1	1	1	1	5-1	1
P	O	5855-941- 5857	A071	CAP, BATTERY-80003-SC-C- 614431.	68	1	1	1	1	1	1	5-1	2
P	O	5330-551- 8252	A072	PACKING, O-RING-98806- MS9021-020.	68	1	1	1	1	1	1	5-1	
P	O	5330-580- 2278	A091	PACKING, O-RING-98806- MS9021-010.	68	4	1	1	1	1	1		
P	O	5855-922- 6459	A182	COVER, BORESIGHT-80003- SC-C-614390.	68	1	1	1	1	1	1		
P	O	6240-941- 1255	A206	LAMP, MINIATURE-80003- SC-B-614441.	68	1	1	1	1	2	2		
P	O	6135-925- 0827	A222	BATTERY, MERCURY-98806- BA-1100/U.	68	1							
P	O	8020-409- 3000	A223	BRUSH, ARTIST-98806-II-B- 118.	68	1	(*)	(*)	(*)	(*)	(*)		
P	O	6040-597- 6745	A224	PAPER, TISSUE-98806-MNN- P-40.	68	1	(*)	(*)	(*)	(*)	(*)		
P	O	1080-911- 0703	A225	ADAPTER ASSEMBLY, M2 .50 CALIBER MACHINEGUN- 97403-13204E2286.	68	1	(*)	(*)	(*)	(*)	(*)		
P	O	1080-911- 0704	A226	ADAPTER ASSEMBLY, M40, 105- MM RECOILLESS RIFLE- 97403-13213E2267.	68	1	(*)	(*)	(*)	(*)	(*)		
P	O	1080-911- 0705	A227	ADAPTER ASSEMBLY, 20-MM AUTOMATIC CANNON- 97403-13213E2319.	68	1	(*)	(*)	(*)	(*)	(*)		

Section IV. REPAIR PARTS FOR DIRECT SUPPORT MAINTENANCE

(1)			(2)	(3)	(4)	(5)	(6)	(7)			(8)	
Source code	Maintenance code	Recoverability code						(a)	(b)	(c)	(a)	(b)
			Federal stock No.	Description	Unit of issue	Quantity incorporated in unit pack	Quantity incorporated in unit	1-20	21-50	51-100	Figure No.	Item or symbol No.
				GROUP 1 MODEL 9227							1-1	
			1090-911-1370	1 NIGHT VISION SIGHT, CREW SERVED WEAPON MODEL 9227— 97403-13213E2277 (THIS ITEM IS NONEX- PENDABLE).								
P	O	...	5555-909-4043	2 CASE, CARRYING— 80053-8C-B-014377.	ea	...	1	(*)	(*)	(*)	1-1	
P	O	...	5555-909-9281	3 CUSHION, BOTTOM— 80053-8C-B-014379.	ea	...	1	(*)	(*)	(*)	1-1	

P	O	8015-925- 9280	B	4 CUSHION, TOP-80003- SC-B-614378.	ea	1	(*)	(*)	(*)	1-1
P	O	6135-926- 6627	B	5 BATTERY, MER- CURY-80003-BA- 1100/U.	ea	1	-----	-----	-----	1-1
P	O	8020-409- 3000	B	6 BRUSH, ARTIST- 90003-II-B-118.	ea	1	(*)	(*)	(*)	1-1
P	O	6640-597- 6745	B	7 PAPER, TISSUE- 90003-NNN-P-40.	pk	1	(*)	(*)	(*)	1-1
P	O	6240-941- 1255	B	8 LAMP, MINIATURE- 80003-SC-B-61441.	ea	2	2	2	3	1-1
P	P	5855-925- 6896	B	11 EYEPiece, RIGHT. ANGLE-80003-SC-C- 614350.	ea	1	1	1	1	1-1
P	P	5310-914- 5206	C	12 NUT, RETAINING- 80003-SC-C-614900-1.	ea	1	1	1	1	5-8 1
P	P	5330-080- 0002	C	12A PACKING, O-RING- 90003-M89021-008.	ea	1	1	1	2	5-8 3
P	O	5855-943- 5309	C	20 CAP, EYEPiece-80003- SC-C-614415.	ea	1	1	1	1	1
P	P	5340-900- 4413	C	30 RING, RETAINING- 80003-SC-D-614310.	ea	1	1	1	1	5-8 2
XI	P	5855-900- 8013	B	57 NIGHT VISION SIGHT ASSEMBLY-97903- 12213E2278.	ea	1	-----	-----	-----	1-3
P	P	5855-927- 5316	C	58 SHIM-80003-SC-B-614319...	ea	1	(*)	(*)	(*)	5-1 60
P	P	5810-914- 5274	C	58 NUT, RETAINING- 80003-SC-C-614900-2	ea	1	1	1	1	5-1 6

P	F	---	5340-947-3743	C	66	SPRING, BATTERY-80063-SC-B-614427.	ea	---	1	1	1	1	1	5-1	3
P	F	---	5340-924-5044	C	66	TERMINAL ASSEM-BLY-80063-SC-B-614432.	ea	---	1	1	1	1	1	5-1	5
X1	F	---	---	D	67	TERMINAL, BAT-TERY-97403-13204E-8286.	ea	---	1	---	---	---	---	5-1	
X1	F	---	---	D	68	TERMINAL, INSULATOR-97403-13204E8285.	ea	---	1	---	---	---	---		
P	F	---	5353-999-9259	C	69	COVER, OSCILLATOR-80063-SC-C-614430.	ea	---	1	1	1	1	1	5-1	9
P	F	---	5350-551-8251	C	70	PACKING, O-RING-96906-MS9021-028.	ea	---	1	1	1	1	1	5-1	10
P	F	---	5340-946-7340	C	71	SPRING, OSCILLATOR COVER-80063-SC-B-611434.	ea	---	1	1	1	1	1	5-1	11
P	F	T	1240-941-3037	C	72	EYEPiece ASSEM-BLY-80063-SC-D-614601.	ea	---	1	1	2	2	2	5-1	7
P	O	---	5353-925-0114	D	73	EYESHIELD ASSEM-BLY-80063-SC-D-614703.	ea	---	1	1	1	1	1	5-1	66
X1	O	---	1090-941-1793	D	74	EYESHIELD-80063-SC-D-614697.	ea	---	1	---	---	---	---		
X1	O	---	5310-914-8236	D	75	NUT, RETAINING-80063-SC-C-614624.	ea	---	1	---	---	---	---		
P	F	---	5330-050-0302	D	96	PACKING, O-RING-SAME AS 12A.	ea	---	1	---	---	---	---	5-1	79

(1)			(2)	(3)	(4)	(5)	(6)	(7)			(8)	
(a)	(b)	(c)						(a)	(b)	(c)	(a)	(b)
Source code	Maintenance code	Recoverability code	Federal stock No.	In-dex code	Description	Unit of issue	Quantity incorporated in unit pack	Quantity incorporated in unit	30-Day maintenance allowance	Illustrations	Fig-ure	Item or symbol No.
GROUP 1 MODEL 9027												
P	F	---	5855-922-6435	C	97 CAP. OSCILLATOR ASSEMBLY-80063-SC-B-614440.	ea	---	1	1-20	1	5-1	11 through 15
P	F	---	5855-999-7262	C	102 CONTACT, OSCILLATOR-80063-SC-B-614442.	ea	---	1	1	1	5-1	19
XI	F	---	---	D	103 SPRING, GND-97403-1320ME3304.	ea	---	1	---	---	5-1	19
XI	F	---	---	D	104 RIVET-99906-MS1635-76.	ea	---	1	---	---	5-1	19
XI	F	---	---	D	105 RING, OSCILLATOR-97403-1320ME3304.	ea	---	1	---	---	5-1	19

XI	F	---	D	106	INSULATOR-97403- 13204E3369.	ea	---	1	---	---	---	5-1	19
XI	F	---	D	107	SPRING, OSCILLA- TOR-97403-13204E3368.	ea	---	1	---	---	---	5-1	19
XI	F	---	D	108	RIVET-99006-MS1635-73.	ea	---	2	---	---	---	5-1	19
P	F	5940-689- 6006	C	109	TERMINAL, LUG-99006- MS25036-43.	ea	---	1	1	1	1	5-1	198
P	F	5305-930- 2275	C	110	SCREW-97403- 13213E4702-1.	ea	---	4	1	1	1	5-1	16
P	F	5310-914- 8999	C	111	WASHER, LOCK-80063- SC-C-614418-1.	ea	---	4	1	2	2	5-1	17
P	F	5355-904- 9517	C	112	KNOB, CONTROL- 80063-SC-C-614405.	ea	---	1	1	1	1	5-1	55
P	F	5305-926- 5598	C	113	SCREW, SET-99006- MS18064-6.	ea	---	1	1	2	2	5-1	54
P	F	5930-930- 7438	C	114	SWITCH, ROTARY- 80063-SC-B-614425.	ea	---	1	1	1	1	5-1	56
P	F	5905-835- 1633	C	115	RESISTOR, FIXED- 99906-RC07GF361J.	ea	---	1	1	1	1	5-4	R1
P	F	5905-951- 6200	C	116	RESISTOR, VARIABLE -97403-13206E3903.	ea	---	1	1	2	2	5-1	61
P	F	5359-961- 1512	C	117	KNOB-80063-SC-B- 614324.	ea	---	1	1	1	1	5-1	63
P	F	5905-886- 3121	C	118	RESISTOR, FIXED- 99906-RC07GF320J.	ea	---	1	1	1	1	5-4	R5
P	F	5305-930- 2274	C	119	BOLT, PIVOT-80063- SC-B-614336.	ea	---	1	1	1	1	5-1	28
P	F	5310-946- 8007	C	120	NUT-80063-SC-C-614419-..	ea	---	1	1	1	1	5-1	29

P	P	5835-837-6419	C	127	RETAINER-80063-SC-B-614331.	ea	....	1	1	1	1	1	5-1	29
P	P	5306-837-2020	C	128	SCREW, BORESIQHT-80063-SC-B-614338-2.	ea	....	2	1	1	1	1	5-1	30
P	P	5310-779-6879	C	129	WASHER, WAVE-80063-SC-B-614335.	ea	....	2	1	1	1	2	5-1	31
P	P	5340-944-9619	C	130	SPRING, CLICK-80063-SC-B-614318.	ea	....	2	1	1	1	1	5-1	58
P	P	5305-912-3955	C	131	SCREW, PANHEAD-80063-SC-B-614664-2.	ea	....	2	2	2	3	3	5-1	59
P	P	5310-914-8999	C	132	WASHER, LOCK-SAME AS 111.	ea	....	2	....	....	....	....	5-1	60
P	P	5355-924-8777	C	133	KNOB, LOCKING-80063-SC-B-614330.	ea	....	1	1	1	1	1	5-1	34
P	P	.....	C	134	SCREW, CAP-80063-SC-C-614116-5.	ea	....	2	1	1	1	2	5-1	32
P	P	5310-937-2255	C	135	WASHER, FLAT-80063-SC-C-614417-1.	ea	....	4	1	1	1	1	5-1	33
P	P	5855-922-6453	C	136	SHAFT, QUICK-DISCONNECT-80063-SC-B-614328.	ea	....	1	1	1	1	1	5-1	35
P	O	5330-580-2278	C	136A	PACKING, O-RING-99906-MS9021-010.	ea	....	4	1	1	1	2	5-1	62
P	P	5835-944-0949	C	137	BORESIGHT ASSEMBLY-80063-SC-D-614305.	ea	....	1	1	1	2	2	5-1	26
P	P	5315-910-9611	D	138	PIN, SHOULDER-8063-SC-II-614337	ea	....	1	1	1	1	1	5-2	2
P	P	5340-803-6227	D	139	RING, RETAINING-99906-MS16624-1028.	ea	....	2	1	1	1	1	5-1	24
													5-2	21

(1)	(2)		(3)	(4)	(5)	(6)	(7)			(8)	
	Federal stock No.	In-dex code					30-Day maintenance allowance	Illustrations	(a)	(b)	(c)	(a)	(b)
(a)	(b)	(c)	GROUP 1 MODEL 9927	Unit of issue	Quantity incorporated in unit pack	Quantity incorporated in unit	1-20	21-50	61-100	Fig-ure	Item or symbol No.
(a)	(b)	(c)									
(a)	(b)	(c)									
(a)	(b)	(c)									
(a)	(b)	(c)									
P	5340-720-8064	D	139A RING RETAINING—99906—MS16624-1025.	ea	...	1	1	1	1	5-2	1
P	5315-913-3851	D	141 PIN—80063—SC-D-614301-1.	ea	...	1	1	1	1	5-2	3
XI	5345-908-9324	D	142 FRAME—80063—SC-D-614302.	ea	...	1	...	...	...	5-2	7
P	5306-033-4405	D	142A SCREW, PANHEAD—80063—SC-B-61420-2.	ea	...	2	1	1	1	5-2	19
P	5310-914-5263	D	142B WASHER, LOCK—80063—SC-C-61418-3.	ea	...	2	(*)	(*)	(*)	5-2	5

P	F	5955-933- 5025	D	142C SPACER, BUSHING- 80063-SC-B-614339.	ea	2	1	1	2	5-2	6
P	F	5955-922- 6455	D	143 QUICK-DISCONNECT ASSEMBLY-80063-SC- D-614306.	ea	1	(*)	(*)	(*)	5-2	8 through 20, 22
XI	F		E	151 CLAMP-80063-SC-D- 614307.	ea	1				5-2	12
XI	F		E	152 RETAINER, QUICK- DISCONNECT-80063- SC-C-614365.	ea	1				5-2	13
P	F	5305-937- 2071	E	153 SCREW, BORESIGHT- 80063-SC-B-614338-1.	ea	1	1	1	1	5-2	14
P	F	5855-937- 5316	E	154 SHIM-SAME AS 58.	ea	1				5-2	22
XI	F		E	155 BLOCK, AZIMUTH- 80063-SC-D-614303.	ea	1				5-2	17
P	F	5310-779- 6879	E	156 WASHER, WAVE-SAME AS 129.	ea	1				5-2	15
P	F	5306-913- 2855	E	157 SCREW, PANHEAD- SAME AS 131.	ea	2				5-2	19
P	F	5310-914- 8099	E	158 WASHER, LOCK-SAME AS 111.	ea	2				5-2	20
P	F	5340-944- 9519	E	159 SPRING, CLICK-SAME AS 130.	ea	1				5-2	18
P	F	5855-926- 7063	E	159A BLOCK, SLIDER- 80063-SC-D-614313.	ea	1	1	1	1	5-1	28
P	F	5855-933- 7007	D	161 SPRING-80063-SC-B- 614317-1.	ea	1	1	1	1	5-2	8
P	F	5855-988- 5024	C	161A BLOCK, SLIDER- 80063-SC-D-614304.	ea	1	1	1	1	5-2	16

(1)			(2)	In- dex code	(3)	(4) Unit of issue	(5) Quantity incorporated in unit pack	(6) Quantity incorporated in unit	(7) 30-Day maintenance allowance			(8) Illustrations	
(a)	(b)	(c)							(a)	(b)	(c)	(a)	(b)
Source code	Maintenance code	Recoverability code	Federal stock No.		Description				1-30	21-60	61-100	Fig- ure	Item or symbol No.
					GROUP 1 MODEL 927								
P	F	---	5355-924- 8038	C	162 KNOB, FOCUS-80083- 5355-924-8038.	ea	---	1	1	1	1	5-1	45
P	F	---	---	C	163 SCREW, CAP-SAME AS 134.	ea	---	1	---	---	---	5-1	43
P	F	---	5310-833- 4994	C	164 WASHER, LOCK-80083- SC-C-61418-2.	ea	---	1	1	---	---	5-1	44
P	F	---	5310-947- 3758	C	165 WASHER, FLAT-SAME AS 122.	ea	---	1	---	---	---	5-1	45
P	F	---	5310-999- 6873	C	166 NUT, ADJUSTABLE- 80083-SC-C-61462.	ea	---	1	1	1	1	5-1	47

XI	F	...	C	166A	PIN, DOWEL—97403— 13213E8787.	ea	...	2	1	1	1	1	5-1	49
P	F	...	C	167	LOCK, SHAFT—80063— SC-C-614403.	ea	...	1	1	1	1	1	5-1	43
P	F	...	C	168	SCREW, SET—97403— 13213E2403.	ea	...	1	1	1	1	1	5-1	50
P	F	...	C	169	SHAFT, FOCUS—80063— SC-C-614401.	ea	...	1	1	1	1	1	5-1	51
P	F	...	C	170	PACKING O-RING— 96906—MS28775-111.	ea	...	1	1	1	1	1	5-1	77
P	F	...	C	172	SHIELD, WIRE—97403— 13213E2362.	ea	...	1	1	1	1	1	5-1	36
P	O	...	C	173	COVER, BORESIGHT— 80063—SC-C-614380.	ea	...	1	1	1	1	1	5-1	71
P	F	...	C	174	HARNES, WIRING— 97403—13205E3968.	ea	...	1	1	1	1	1	5-1	
XI	F	...	D	176	SHIELD—80063—SC-B- 614320.	ea	...	1						
XI	F	...	D	177	SHIELD, WIRE—80063— SC-C-614407.	ea	...	1						
XI	F	...	D	178	CAP—97403—13213E2303	ea	...	1						
XI	F	...	D	178A	CABLE, SHIELDED TEFLON—97403— 13213E2368.	ea	...	1						
XI	F	...	D	179	HOUSING—97403— 13213E2320.	ea	...	1						
P	F	...	D	181	LAMP, HOLDER—80063— SC-B-614419.	ea	...	2	1	1	1	1	3-2, 3-3	4, 3
XI	F	...	D	182	GASKET—97403— 13213E8760.	ea	...	1						

(1)			(2)	In- dex code	(3)	(4) Unit of issue	(5) Quantity incorporated in unit pack	(6) Quantity incorporated in unit	(7) 30-day maintenance allowance			(8) Illustrations	
(a)	(b)	(c)							(a)	(b)	(c)	(a)	(b)
Source code	Maintenance code	Recoverability code	Federal stock No.		Description				1-20	21-50	51-100	Fig- ure	Item or symbol No.
GROUP 1 MODEL 987													
XI	F			D	183 NUT-97403-13213E3763	ea		1					
XI	F			D	184 SLEEVE-97403- 13213E8764	ea		1					
P	F		5305-930- 5608	C	185 SCREW-97403-13213E2401	ea		5	1	1	1	5-1	37
P	F		5855-943- 0685	C	186 HOOD, ASSEMBLY- 97403-13205E3976	ea		1	1	1	1	5-1	38 through 42
XI	F			D	187 RETAINER, SLIDE- 97403-13213E2285	ea		1				5-1	40
XI	F			D	188 SCREW-97403-13213E2286	ea		6				5-1	39

(1)	(2)		(3)	(4)	(5)	(6)	(7)			(8)	
	(a)	(b)	(c)				(a)	(b)	(c)	(a)	(b)
	Source code	Maintenance code	Recoverability code	Federal stock No.	In- dex code	Description	Unit of issue	Quantity incorporated in unit pack	Quantity incorporated in unit	20-Day maintenance allowance	Illustrations
P	O	----		1000-011-0705	B	GROUP I MODEL 9027 200 ADAPTER ASSEMBLY, 20-MM AUTOMATIC CANNON—97403— 13213E2319.	ea	1	1-20	(*)	51-100
										(*)	21-50
										(*)	1-1
				5055-037-1001	A	GROUP II MODEL 9027A A001 NIGHT VISION SIGHT, CREW SERVED WEAPONS MODEL					

9927A-90063-SC-D-614275 (This item is nonexpendable).										
P	F	T	B	A002	ea	1	1	1	1	1-1
				EYEPiece ASSEMBLY, RIGHT ANGLE— 80063-SC-C-614360.	ea	1	1	1	1	1-1
P	F	....	C	A003	ea	1	1	1	1	1-1
				NUT, RETAINING— 80063-SC-C-614600-1.	ea	1	1	1	1	1-1
P	O	....	C	A019	ea	1	1	1	1	1-1
				CAP, EYEPiece— 80063-SC-C-614413.	ea	1	1	1	1	1-1
P	F	....	C	A020	ea	1	1	1	1	1-1
				RING, RETAINING— 80063-SC-D-614310.	ea	1	1	1	1	1-1
P	F	....	C	A032	ea	1	1	1	2	1-1
				PACKING, O-RING— 96906-MS9021-038.	ea	1	1	1	2	1-1
P	O	....	B	A038	ea	1	(*)	(*)	(*)	1-1
				CASE, CARRYING— 80063-SC-B-614377.	ea	1	(*)	(*)	(*)	1-1
P	O	....	B	A039	ea	1	(*)	(*)	(*)	1-1
				CUSHION, BOTTOM— 80063-SC-B-614379.	ea	1	(*)	(*)	(*)	1-1
P	O	....	B	A040	ea	1	(*)	(*)	(*)	1-1
				CUSHION, TOP—80063- SC-B-614378.	ea	1	(*)	(*)	(*)	1-1
XI	F	....	B	A045	ea	1	(*)	(*)	(*)	1-1
				SIGHT ASSEMBLY— 80063-SC-D-614276.	ea	1	(*)	(*)	(*)	1-1
P	O	....	C	A046A	ea	1	(*)	(*)	(*)	1-1
				EYESHIELD ASSEM- BLY—80063-SC-D- 614703.	ea	1	(*)	(*)	(*)	1-1
XI	O	....	C	A047	ea	1	(*)	(*)	(*)	1-1
				EYESHIELD—80063-SC- B-614697.	ea	1	(*)	(*)	(*)	1-1
XI	O	....	D	A047A	ea	1	(*)	(*)	(*)	1-1
				NUT, RETAINING— 80063-SC-C-614624.	ea	1	(*)	(*)	(*)	1-1

(1)			(2)	In- dex code	(3)	(4) Unit of issue	(5) Quantity incorporated in unit pack	(6) Quantity incorporated in unit	(7) 30-Day maintenance allowance			(8) Illustrations
(a)	(b)	(c)							(a)	(b)	(c)	
Source code	Maintenance code	Recoverability code	Federal stock No.		Description				1-20	21-50	51-100	
					GROUP II MODEL 927A							
P	F	T	1240-941- 3087	C	A048 EYEPiece ASSEM- BLY-9003-SC-D- 61401.	ea	...	1	(*)	2	2	5-1 7
P	F	...	5330-080- 0602	D	A057 PACKING, O-RING- SAME AS A032.	ea	...	1	...	...	...	5-1 79
P	O	...	5855-941- 5887	C	A071 CAP, BATTERY-9003- SC-C-614431.	ea	...	1	1	1	1	5-1 1
P	O	...	5330-551- 8252	C	A072 PACKING, O-RING- 9006-M89021-030.	ea	...	1	1	1	1	5-1 2
P	F	...	5340-947- 3743	C	A073 SPRING, BATTERY- 9003-SC-B-614437.	ea	...	1	1	1	1	5-1 3

P	F	5940-924-8044	C	A074	TERMINAL ASSEMBLY--80063--SC-B-614432.	ca	1	1	1	5-1	5
P	F	5310-914-8274	C	A075	NUT, RETAINING--80063--SC-C-614600-2.	ca	1	1	1	5-1	6
P	F	5355-909-9259	C	A076	COVER, OSCILLATOR--SC-C-614430.	ca	1	1	1	5-1	9
P	F	5350-551-8251	C	A077	PACKING, O-RING--96906--NIS9071-028.	ca	1	1	1	5-1	10
P	F	5340-946-7240	C	A078	SPRING, OSCILLATOR COVER--80063--SC-B-614434.	ca	1	1	1	5-1	11
P	F	5355-922-6435	C	A079	CAP, OSCILLATOR ASSEMBLY--80063--SC-B-614440.	ca	1	1	1	5-1	11 through 15
P	F	5355-909-7282	C	A084	CONTACT OSCILLATOR--80063--SC-B-614442.	ca	1	1	1	5-1	19
P	F	5940-888-6005	C	A085	TERMINAL LUG--96906--NIS25036-43.	ca	1	1	1	5-1	18
P	F	5305-912-3855	(*)	A086	SCREW, PANHEAD--80063--SC-B-614664-2.	ca	2	1	2	5-1	16
P	F	5310-914-8999	(*)	A087	WASHER, LOCK--80063--SC-C-614418-1.	ca	2	(*)	2	5-1	17
P	F	5355-924-8777	C	A088	KNOB, LOCKING--80063--SC-B-614330.	ca	1	1	1	5-1	34
P	F	.....	(*)	A099	SCREW, CAP--MMS3-SC C 614416 5.	ca	1	1	1	5-1	32
P	F	5310-937-2255	(*)	A090	WASHER, FLAT--80063--SC C 614417 1.	ca	1	1	1	5-1	33

(1)			(2)	In- dex code	(3)	(4) Unit of issue	(5) Quantity incorporated in unit pack	(6) Quantity incorporated in unit	(7) 30-Day maintenance allowance			(8) Illustrations	
(a)	(b)	(c)							(a)	(b)	(c)	(a)	(b)
Source code	Maintenance code	Recoverability code	Federal stock No.		Description				1-20	21-50	51-100	Fig- ure	Item or symbol No.
GROUP II MODEL 997A													
I'	O	...	5330-580- 2278	C	A091 PACKING, O-RING— 98006—MS9021-010.	ea	...	4	1	1	2	5-1	62
I'	F	...	5335-925- 9940	C	A092 LOCK, BORESIGHT— 80063—SC-B-614450.	ea	...	1	1	1	1	5-1	65
I'	F	...	5306-913- 2835	(*)	A093 SCREW, PANHEAD— SAME AS A086.	ea	...	2	...	...	...	5-1	66
I'	F	...	5310-914- 8999	(*)	A094 WASHER, LOCK—SAME AS A087.	ea	...	2	...	...	...	5-1	67
I'	F	...	5306-937- 2020	C	A095 SCREW, BORESIGHT— 80063—SC-B-614338-2.	ea	...	1	1	1	1	5-1	30

P	F	...	5340-944-9619	C	A096	SPRING, CLICK-80083-SC-B-614318.	ea	...	1	1	1	1	5-1	56
P	F	...	5310-914-3909	(*)	A097	WASHER, LOCK-SAME AS A087.	ea	...	1	...	...	...	5-1	60
P	F	...	5305-914-5902	(*)	A098	SCREW-80083-SC-B-614664-3.	ea	...	2	(*)	2	2	5-1	59
P	F	...	5310-779-6879	(*)	A099	WASHER, WAVE-80083-SC-B-614336.	ea	...	1	1	1	1	5-1	31
P	F	...	5855-937-5316	C	A100	SHIM-80083-SC-B-614319..	ea	...	1	(*)	(*)	(*)	5-1	69
P	F	...	5855-937-6419	C	A101	RETAINER, BORE-SIGHT-80083-SC-B-614331.	ea	...	1	1	1	1	5-1	29
P	F	...	5855-922-6453	C	A102	SHAFT, QUICK-DIS-CONNECT-80083-SC-B-614328.	ea	...	1	1	1	1	5-1	35
P	F	...	5305-925-6555	(*)	A103	SCREW-80083-SC-D-614300.	ea	...	2	(*)	2	2	5-1	32
P	F	...	5835-944-0949	C	A104	BORESIGHT ASSEMBLY-80083-SC-D-614306.	ea	...	1	1	2	2	5-1	26
P	F	...	5305-930-2274	(*)	A105	BOLT, PIVOT-80083-SC-B-614336.	ea	...	1	1	1	1	5-1	23
P	F	...	5310-946-8007	(*)	A106	NUT-80083-SC-C-614419..	ea	...	1	1	1	1	5-1	20
P	F	...	5310-937-6012	(*)	A107	WASHER, LOCK-80083-SC-C-614418-4.	ea	...	1	1	1	1	5-1	21
P	F	...	5310-947-3756	(*)	A108	WASHER, FLAT-80083-SC-C-614417-3.	ea	...	1	1	1	1	5-1	23

P	F	D	3305-914- 5602	A112	ea	2	(*)	(*)	(*)	5-2	4
P	F	D	5310-914- 8263	A113	ea	2	(*)	(*)	(*)	5-2	5
P	F	D	5655-933- 5025	A114	ea	2	1	1	2	5-2	6
XI	F	D	5655-908- 9424	A115	ea	1				5-2	7
P	F	D	5655-923- 6456	A115A	ea	1	(*)	(*)	(*)	5-2	8 through 20, 22
P	F	E	5655-937- 5544	A116	ea	1	1	1	1	5-2	10
P	F	E	5305-937- 5742	A117	ea	1	1	1	1	5-2	9
P	F	E	5655-933- 7007	A118	ea	2	1	1	1	5-2	8
P	F	E	5305-937- 5741	A119	ea	1	1	1	1	5-2	11
XI	F	E	...	A120	ea	1				5-2	12
XI	F	E	...	A121	ea	1				5-2	13
P	F	E	5305-937- 2021	A122	ea	1	1	1	1	5-2	14
P	F	E	5310-779- 6679	A123	ea	1				5-2	15

(1)	(2)		(3)	(4)	(5)	(6)	(7)			(8)		
	(a)	(b)					(c)	30-Day maintenance allowance			Illustrations	
								(a)	(b)	(c)	(a)	(b)
	Source code	Maintenance code	Recoverability code	Federal stock No.	In-dex code	Description	Unit of issue	Quantity incorporated in unit pack	Quantity incorporated in unit	Fig-ure No.	Item or symbol No.	
						GROUP II MODEL 997A						
P	F	...	...	5855-937-5316	E	A124 SHIM—SAME AS A100	ea	...	1	5-2	22
P	F	...	...	5855-933-5024	E	A125 BLOCK, SLIDER—80063—SC-D-614304.	ea	...	1	5-2	16
X1	F	...	...	...	E	A126 BLOCK, AZIMUTH—80063—SC-D-614303.	ea	...	1	5-2	17
P	F	...	...	5340-944-9619	E	A127 SPRING, CLICK—SAME AS A006	ea	...	1	5-2	18
P	F	...	...	5308-933-4965	()	A128 SCREW, PANHEAD—80063—SC-B-614420-2	ea	...	2	5-2	19

P	F	...	5310-914- 8000	(*)	A120 WASHER, LOCK—SAME AS A087.	ea	...	2	...	...	...	5-2	20
P	P	...	5315-925- 7000	C	A120 BLOCK, SLIDER—80003— SC-D-614912.	ea	...	1	1	1	1	5-1	20
P	P	...	5340-945- 2414	C	A121 SPRING, COMPRES- SION—80003—SC-B- 614917-2.	ea	...	2	1	2	2	5-1	27
P	O	...	5355-922- 6400	C	A122 COVER, FORESIGHT— 80003—SC-C-614390.	ea	...	1	1	1	1	5-1	26
P	P	...	5355-927- 1003	C	A123 HOOD—80003—SC-D- 614278.	ea	...	1	1	1	1	5-1	26
P	P	...	5305-914- 5002	(*)	A124 SCREW—SAME AS A008....	ea	...	8	...	...	...	5-1	37
P	P	...	5355-924- 8000	C	A125 KNOB, FOCUS—80003— SC-C-614398.	ea	...	1	1	1	1	5-1	46
P	P	...	.....	(*)	A126 SCREW, CAP—SAME AS A090.	ea	...	1	...	...	...	5-1	43
P	P	...	5310-933- 4004	(*)	A127 WASHER, LOCK—80003— SC-C-614415-2.	ea	...	1	1	1	1	5-1	44
P	P	...	5310-914- 8200	(*)	A128 WASHER, FLAT—80003— SC-C-614417.	ea	...	1	1	1	1	5-1	45
P	P	...	5310-909- 6073	C	A129 NUT, ADJUSTABLE— 80003—SC-C-614402.	ea	...	1	1	1	1	5-1	47
P	P	...	5355-925- 7007	C	A140 LOCK, SLAFT—80003— SC-C-614403.	ea	...	1	1	1	1	5-1	46
P	P	...	5305-925- 5000	C	A141 SCREW, SET—80003— M818004-4.	ea	...	2	1	2	2	5-1	48
P	P	...	5355-922- 9007	C	A142 SHAFT, FOCUS—80003— SC-C-614401.	ea	...	1	1	1	1	5-1	50

P	F	...	5310-937-2018	E	A187 WASHER, SPRING-80063-SC-D-614288.	ea	...	1	1	1	1	3-4	7
P	F	T	5355-937-1670	E	A188 CELL ASSEMBLY-80063-SC-D-614287-1.	ea	...	1	1	2	2	1-1	
P	F	T	5355-937-1895	E	A192 CELL ASSEMBLY-80063-SC-D-614287.	ea	...	1	1	2	2	3-4	
P	F	...	5355-937-9263	C	A196 QUAD RING-80063-SC-C-614409.	ea	...	1	1	1	1	5-1	53
P	F	...	5355-937-1893	C	A197 HARNESS, WIRING-80063-SC-D-614279.	ea	...	1	1	1	2	5-1	71
XI	F	...	...	D	A198 TERMINAL-80063-SC-D-614291.	ea	...	1	...	...	...	5-6	TB1
XI	F	...	...	D	A199 CABLE, SHIELDED-80063-SC-D-614296.	ea	...	1	...	...	...	5-6	
XI	F	...	...	D	A200 SHIELD-80063-SC-B-614320.	ea	...	1	...	...	...	5-6	
X1	F	...	...	D	A201 SHIELD, WIRE-80063-SC-C-614407.	ea	...	1	...	...	...	5-6	
P	F	...	5310-937-2016	D	A202 NUT, RETAINER-80063-SC-D-614283.	ea	...	1	1	1	1	3-4	1
P	F	...	5330-564-1231	D	A204 PACKING, O-RING-96006-MS9021-016.	ea	...	1	1	1	1	3-4	9
P	F	...	6250-937-1862	D	A205 LAMP, HOLDER-80063-SC-B-614449.	ea	...	1	1	1	1	3-4	4
P	O	...	6240-941-1255	D	A206 LAMP, MINIATURE-80063-SC-B-614441.	ea	...	1	2	2	3	3-4	5
P	F	...	5355-961-1512	C	A207 KNOB-80063-SC-B-614324	ea	...	1	1	1	1	5-1	63
P	F	...	5305-999-6877	(*)	A208 SCREW, SET-80063-SC-B-614421-4.	ea	...	1	1	1	1	5-1	64

P	F	...	5310-937-2018	E	A187 WASHER, SPRING— 80063-SC-D-614288.	ea	...	1	1	1	1	3-4	7
P	F	T	5655-937-1670	E	A188 CELL ASSEMBLY— 80063-SC-D-614287-1.	ea	...	1	1	2	2	1-1	
P	F	T	5655-937-1885	E	A192 CELL ASSEMBLY— 80063-SC-D-614287.	ea	...	1	1	2	2	3-4	
P	F	...	5655-900-9263	C	A196 QUAD RING-80063- SC-C-614409.	ea	...	1	1	1	1	5-1	53
P	F	...	5655-937-1893	C	A197 HARNESS, WIRING— 80063-SC-D-614279.	ea	...	1	1	1	2	5-1	71
XI	F	...	...	D	A198 TERMINAL-80063- SC-D-614291.	ea	...	1	...	...	...	5-6	TB1
XI	F	...	...	D	A199 CABLE, SHIELDED— 80063-SC-D-614296.	ea	...	1	...	...	...	5-6	
XI	F	...	...	D	A200 SHIELD-80063-SC-B- 614320.	ea	...	1	...	...	...	5-6	
XI	F	...	...	D	A201 SHIELD, WIRE-80063- SC-C-614407.	ea	...	1	...	...	...	5-6	
P	F	...	5310-937-2016	D	A202 NUT, RETAINER— 80063-SC-D-614283.	ea	...	1	1	1	1	3-4	1
P	F	...	5330-594-1231	D	A204 PACKING, O-RING— 99906-MS9021-016.	ea	...	1	1	1	1	3-4	9
P	F	...	6250-937-1862	D	A205 LAMP, HOLDER-80063- SC-B-614449.	ea	...	1	1	1	1	3-4	4
P	O	...	6240-941-1255	D	A206 LAMP, MINIATURE— 80063-SC-B-614441.	ea	...	1	2	2	3	3-4	5
P	F	...	5355-961-1512	C	A207 KNOB-80063-SC-B-614324	ea	...	1	1	1	1	5-1	63
P	F	...	5305-900-6877	(*)	A208 SCREW, SET-80063-SC- B-614421-4.	ea	...	1	1	1	1	5-1	64

(1)			(2)	In- dex code	(3) Description	(4) Unit of issue	(5) Quantity incorporated in unit pack	(6) Quantity incorporated in unit	(7) 30-Day maintenance allowance			(8) Illustrations
(a)	(b)	(c)							(a)	(b)	(c)	
Source code	Maintenance code	Recoverability code	Federal stock No.						1-20	21-50	51-100	
					GROUP II MODEL 9027A							
P	F	...	5305-951- 6200	C	A209 RESISTOR, VARIABLE— 80063—SC-B-614323.	ea	...	1	1	2	2	5-1 61
P	F	...	5305-904- 9517	C	A210 KNOB, CONTROL— 80063—SC-C-614405.	ea	...	1	1	1	1	5-1 55
P	F	...	5305-928- 5598	(*)	A211 SCREW, SET—SAME AS A141.	ea	...	1	...	...	...	5-1 54
P	F	...	5305-930- 7433	C	A212 SWITCH, ROTARY— 80063—SC-B-614425.	ea	...	1	1	1	1	5-1 56
P	F	...	5305-925- 6555	(*)	A214 SCREW—SAME AS A108..	ea	...	2	...	...	...	5-1 72

P	F		C	A215	RESISTOR, FIXED— 01121—RC07GF361J.	ea	1	1	1	1	5-6	R1
P	F	5905-935- 1633	C	A216	CONTACT, SPRING— 80063—SC-D-614280.	ea	1	1	1	1	5-1	74
P	F	5305-914- 5902	(*)	A217	SCREW—SAME AS A098—	ea	1	---	---	---	5-1	73
P	F	5310-914- 8999	(*)	A218	WASHER, LOCK—SAME AS A087.	ea	1	---	---	---	5-1	75
P	F	5835-951- 2792	C	A219	IMAGE INTENSIFIER ASSEMBLY—97403— 13215E0260.	ea	1	1	2	2	5-3	3
P	O	6135-928- 0827	B	A222	BATTERY, MER- CURY—96906—BA-1100/U.	ea	1	---	---	---	5-1	4
P	O	8020-409- 3000	B	A223	BRUSH, ARTIST—96906— H-B-1118.	ea	1	(*)	(*)	(*)	1-1	
P	O	6640-597- 6745	B	A224	PAPER, TISSUE—96906— MNN-P-40.	ea	1	(*)	(*)	(*)	1-1	
P	O	1090-911- 0703	B	A225	ADAPTER ASSEMBLY, M2.50 CALIBER MACHINEGUN— 97403—13204E2398.	ea	1	(*)	(*)	(*)	1-1	
P	O	1090-911- 0704	B	A226	ADAPTER ASSEMBLY, M40, 106-MM RECOIL- LESS RIFLE—97403— 13213E2367.	ea	1	(*)	(*)	(*)	1-1	
P	O	1090-911- 0705	B	A227	ADAPTER ASSEMBLY, 20-MM AUTOMATIC CANNON—97403— 13213E2319.	ea	1	(*)	(*)	(*)		

Section V. FEDERAL STOCK NUMBER INDEX

Stock No.	Figure No.	Item No., reference symbol	Stock No.	Figure No.	Item No., reference symbol
1090-941-1793	5-1	66	5310-914-8263	5-2	5
1240-941-3037	5-1	7	5310-914-8266	5-8	1
5305-913-3855	5-1, 5-2	16, 59, 68, 19	5310-914-8274	5-1	6
5305-914-5902	5-1, 5-2	37, 59, 73, 4	5310-914-8299	5-1	45
5305-925-6585	5-1	32, 72	5310-914-8999	5-1, 5-2	17, 60, 67, 75, 20
5305-926-5598	5-1	48, 54			
5305-930-2273	5-1	48	5310-933-4964	5-1	44
5305-930-2274	5-1	23	5310-937-2016	3-4	1
5305-930-2275	5-1	16	5310-937-2018	3-4	7
5305-930-5608	5-1	37	5310-937-2255	5-1	33
5305-930-6585	5-1	72	5310-946-8007	5-1	20
5305-933-4965	5-2	19	5310-947-3758	5-1	22, 45
5305-937-2020	5-1	30	5310-999-6873	5-1	47
5305-937-2021	5-2	14	5315-910-9611	5-2	2
5305-937-5741	5-2	11	5315-913-3851	5-2	3
5305-937-5742	5-2	9	5315-949-5950	5-1	25
5305-999-6877	5-1	64	5330-060-0602	5-1, 5-8	79, 3
5310-687-6012	5-1	21	5330-551-8251	5-1	10
5310-779-6879	5-1, 5-2	31, 15	5330-551-8252	5-1	2

5330-579-8108	5-1	51	5855-922-6459	5-1	36
5330-580-2278	5-1	62	5855-925-0114	5-1	66
5330-584-1231	3-4	9	5855-925-0843	5-1	52
5330-690-9743	3-4	8	5855-925-2504	5-1	71
5330-882-8056	5-1	80	5855-925-7887	5-1	49
5340-720-8064	5-2	1	5855-925-7993	5-1	28
5340-803-6227	5-1, 5-2	24, 21	5855-925-8009	5-1	77
5340-930-4413	5-8	2	5855-925-8058	5-1	8
5340-944-9519	5-1, 5-2	58, 18	5855-925-9507	5-1	50
5340-945-2414	5-1	27	5855-925-9840	5-1	65
5340-946-7340	5-1	11	5855-933-5023	5-1	38
5340-947-3743	5-1	3	5855-933-5024	5-2	16
5340-999-6880	5-1	24	5855-933-5025	5-2	6
5355-904-9517	5-1	55	5855-933-7007	5-2	8
5355-924-8777	5-1	34	5855-937-1663	5-1	38
5355-924-8938	5-1	46	5855-937-1664	5-1	52
5355-961-1512	5-1	63	5855-937-1891	5-1	74
5835-944-0949	5-1	26	5855-937-1893	5-1	71
5855-051-2792	5-3	3	5855-937-5316	5-1, 5-2	69, 22
5855-908-9324	5-2	7	5855-937-5544	5-2	10
5855-922-6435	5-1	11 through 15	5855-937-6419	5-1	29
5855-922-6453	5-1	35	5855-941-5881	5-1	70
5855-922-6455	5-2	8 through 20, 22	5855-941-5887	5-1	1
			5855-943-0685	5-1	38 through 42

Stock No.	Figure No.	Item No., reference symbol	Stock No.	Figure No.	Item No., reference symbol
5855-951-2792	5-3	3	5930-939-7438	5-1	56
5855-999-7262	5-1	19	5940-688-6005	5-1	18
5855-999-9259	5-1	9	5940-924-8044	5-1	5
5855-999-9263	5-1	53	6135-926-0827	5-1	4
5905-686-3121	5-4	R5	6240-941-1255	3-4	5
5905-835-1633	5-4, 5-6	R1, R1	6250-937-1862	3-2, 3-3,	4, 3, 4
5905-951-6200	5-1	61		3-4	

By Order of the Secretary of the Army:

HAROLD K. JOHNSON,
General, United States Army,
Chief of Staff.

Official:

KENNETH G. WICKHAM,
The Adjutant General.
Major General, United States Army,

Distribution:

Active Army:

USASA (2)	LOGCOMD (3)
CNGB (1)	Seventh USA (10)
CofEngrs (1)	Eighth USA (10)
USACDCCEA (1)	USAARMS (25)
USACDCCEA:	USAIS (200)
Ft Huachuca (1)	USATC Armor (10)
USAMB (10)	USATC Inf (10)
USARV (10)	USACDCEC (10)
USAMC (5)	LEAD (7)
USCONARC (5)	USAESC (40)
OS Maj Comd (5)	

NG: State AG (3).

USAR: None.

For explanation of abbreviations used, see AR 320-50.

