

TM 11-5855-261-23P

TECHNICAL MANUAL

**ORGANIZATIONAL AND DIRECT SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST**

FOR

**AIMING LIGHT, INFRARED AN/PAQ-4
(NSN 5855-01-107-5925)**

HEADQUARTERS, DEPARTMENT OF THE ARMY

23 OCTOBER 1981

TECHNICAL MANUAL
 NO. 11-5855-261-23P

HEADQUARTERS
 DEPARTMENT OF THE ARMY
 WASHINGTON, DC, 23 October 1981

ORGANIZATIONAL AND DIRECT SUPPORT MAINTENANCE
 REPAIR PARTS AND SPECIAL TOOLS LIST
 FOR
 AIMING LIGHT, INFRARED AN/PAQ4
 (NSN 5855-01-107-5925)
 Current as of 8 June 1981

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, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in back of this manual direct to Commander, US Army Communications-Electronics Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, NJ 07703.

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

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SECTION I

INTRODUCTION

1. Scope

This manual lists spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE), and other special support equipment required for performance of organizational, and direct support maintenance of the AN/PAQ-4. It authorizes the requisitioning and issue of spares and repair parts as indicated by the source and maintenance codes.

2. General

This Repair Parts and Special Tools List is divided into the following sections:

a. Section II. Repair Parts List. A list of spares and repair parts authorized for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in numeric sequence, with the parts in each group listed in figure and item number sequence.

b. Section III. Special Tools List. Nonapplicable.

c. Section IV. National Stock Number and Part Number Index. A list, in National item identification number (NIIN) sequence, of all National stock numbers (NSN) appearing in the listings, followed by a list, in alphameric sequence, of all part numbers appearing in the listings. National stock numbers and part numbers are cross-referenced to each illustration figure and item number appearance.

3. Explanation of Columns

a. Illustration. This column is divided as follows:

(1) Figure number. Indicates the figure number of the illustration on which the item is shown.

(2) Item number. The number used to identify item called out in the illustration.

b. Source, Maintenance, and Recoverability (SMR) Codes.

(1) Source code. Source codes indicate the manner of acquiring support items for maintenance, repair, or overhaul of end items. Source codes are entered in the first and second positions of the Uniform SMR Code format as follows:

<i>Code</i>	<i>Definition</i>
PA	Item procured and stocked for anticipated or known usage.

PB	Item procured and stocked for insurance purpose because essentiality dictates that a minimum quantity be available in the supply system.
----	--

Code

Definition

XA	Item is not procured or stocked because the requirements for the item will result in the replacement of the next higher assembly.
----	---

XD-A	support item that is not stocked. When required, item will be procured through normal supply channels.
------	--

NOTE

Cannibalization or salvage may be used as a source of supply for any items source coded above except those coded XA and aircraft support items as restricted by AR 700-42.

(2) Maintenance code. Maintenance codes are assigned to indicate the levels of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the Uniform SMR Code format as follows:

(a) The maintenance code entered in the third position will indicate the lowest maintenance level authorized to remove, replace, and use the support item. The maintenance code entered in the third position will indicate one of the following levels of maintenance:

Code

Application/Explanation

C	Crew or operator maintenance performed within organizational maintenance.
---	---

O	Support item is removed, replaced, used at the organizational level.
---	--

F	Support item is removed, replaced, used at the direct support level.
---	--

(b) The maintenance code entered in the fourth position indicates whether the item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair (i.e., all authorized maintenance functions). This position will contain one of the following maintenance codes:

Code

Application/Explanation

O	The lowest maintenance level capable of complete repair of the support item is the organizational level.
---	--

F	The lowest maintenance level capable of complete repair of the support item is the direct support level.
---	--

Z	Nonreparable. No repair is authorized.
---	--

(3) Recoverability code. Recoverability codes are assigned to support items to indicate the disposition action on unserviceable items. The recoverability code

is entered in the fifth position of the Uniform SMR Code format as follows:

Recoverability codes

Definition

Z—Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3.

O—Reparable item. When uneconomically reparable, condemn and dispose at organizational level.

F—Reparable item. When uneconomically reparable, condemn and dispose at the direct support level.

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

d. Federal Supply Code for Manufacturer (FSCM). The FSCM is a 5-digit numeric code listed in SB 708-41/42 which is used to identify the manufacturer, distributor, or Government agency, etc.

e. 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.

NOTE

When a stock numbered item is requisitioned, the repair part received may have a different part number than the part being replaces.

f. Description. Indicates the Federal item name and, if required, a minimum description to identify the item.

g. Unit of Measure (U/M). Indicates the standard of the basic quantity of the listed item as used in performing 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.

h. Quantity Incorporated in Unit. Indicates the quantity of the item used in the breakout shown on the illustration figure, which is prepared for a functional group, subfunctional group, or an assembly.

4. Special Information

a. The following publications pertain to the AN/PAQ-4 and its component:

TM 11-5855-213-10, Night Vision Sight, Individual Served Weapon AN/PVS-4

TM 11-5855-213-24&P, Night Vision Sight, Individual Served Weapon AN/PVS-4

TM 11-5855-261-10, Aiming Light, Infrared AN/PAQ-4

TM 11-5855-261-23, Aiming Light, Infrared AN/PAQ-4 (To be published)

b. National stock numbers (NSN's) that are missing from P source coded items have been applied for and will be added to this TM by future change/revision when they are entered in the Army Master Data File (AMDF). Until the NSN's are established and published, submit exception requisitions to Commander, US Army Communications-Electronics Command, ATTN: DRSEL-MM, Fort Monmouth, NJ 07703 for the part required to support your equipment.

5. How to Locate Repair Parts

a. When National stock number or part number is unknown,

(1) *First.* Using the table of contents, determine the functional group within which the item belongs. This is necessary since illustrations are prepared for functional groups and listings are divided into the same groups.

(2) *Second.* Find the illustration covering the functional group to which the item belongs.

(3) *Third.* Identify the item on the illustration and note the illustration figure and item number of the item.

(4) *Fourth.* Using the Repair Parts Listing, find the figure and item number noted on the illustration.

b. When National stock number or part number is known.

(1) *First.* Using the Index of National Stock Numbers and Part Numbers, find the pertinent National stock number or part number. This index is in NIIN sequence followed by a list of part numbers in alphabetic sequence, cross-referenced to the illustration figure number and item number.

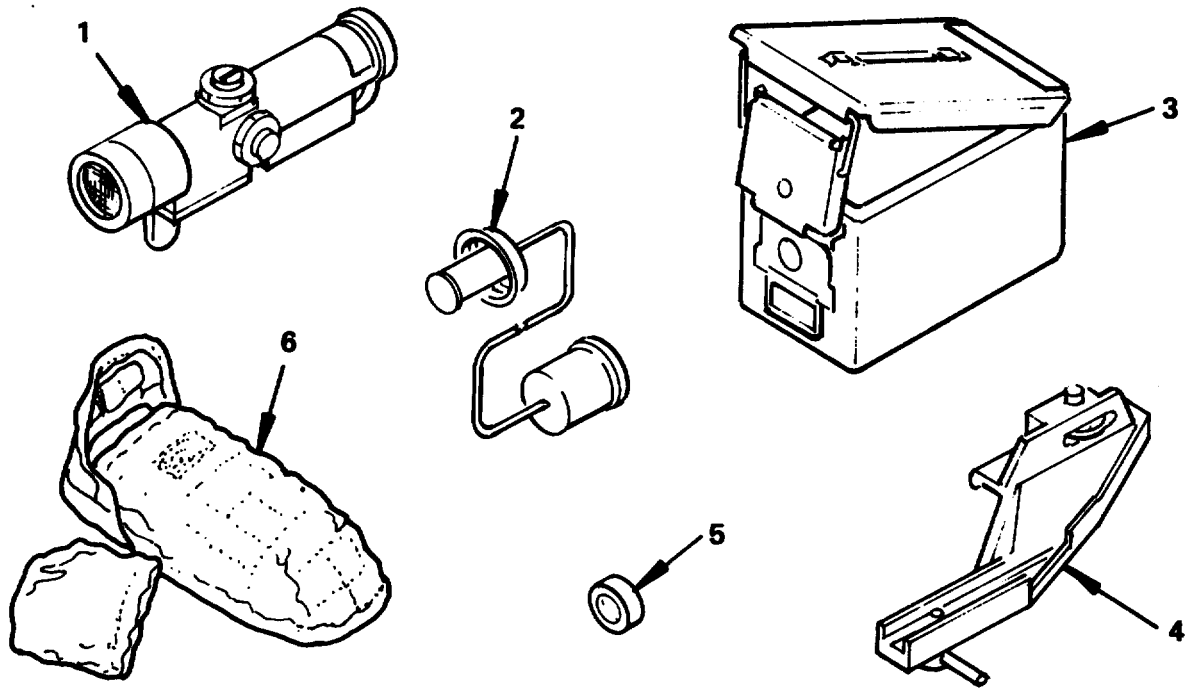
(2) *Second.* After finding the figure and item number, locate the figure and item number in the repair parts list.

6. Abbreviations

Not applicable.

(Next printed page is 4)

TM 11-5855-261-23P

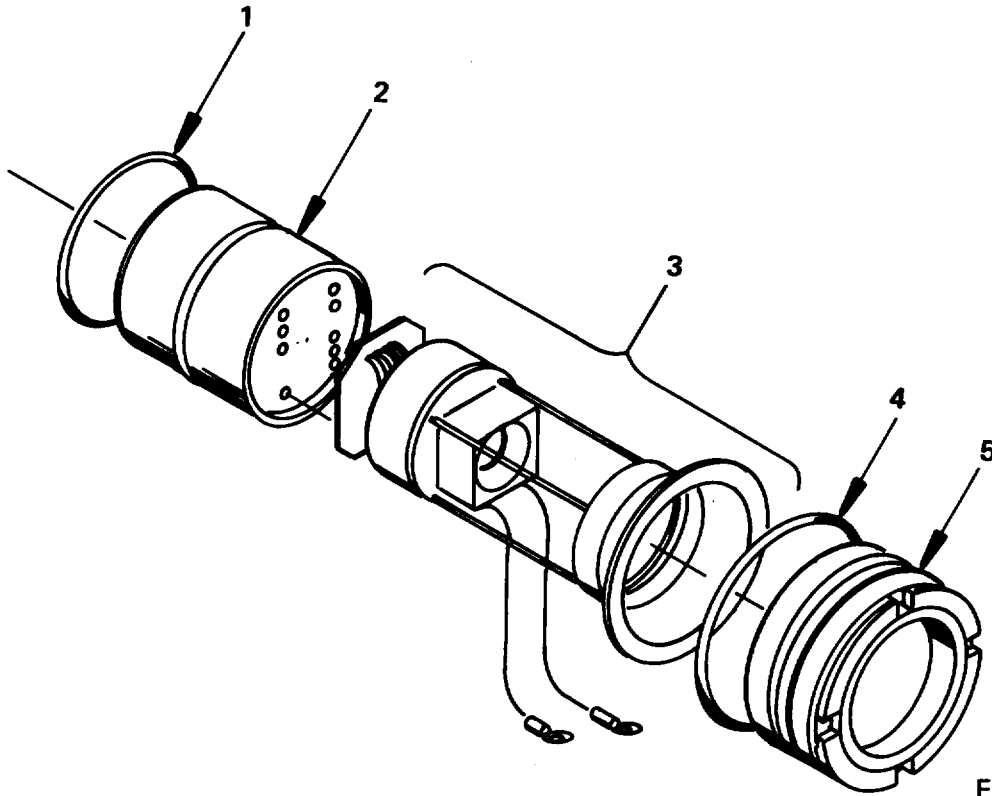


EL5ED001

Figure 1. Aiming Light, Infrared AN/PAQ-4

SECTION II		TM11-5855-261-23P					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUSTRATION					DESCRIPTION		QTY
(A)	(B)	NATIONAL					INC
FIG	ITEM	STOCK		PART		USABLE ON CODE	IN
NO	NO	NUMBER	FSCM	NUMBER		U/M	UNIT
					GROUP 00 AIMING LIGHT, INFRARED AN/PAQ-4		
1	1	PAOFF		80063	SM-D-807820		EA 1
1	2	XDCZZ	5970-01-096-0434	80063	SM-D-808590		EA 1
1	3	PAOFF		80063	SM-E-808597		EA 1
1	4	PACOO	5850-01-096-0395	80063	SM-D-808584		EA 1
1	5	PACZZ		80063	SM-B-807665		EA 1
1	6	PACZZ		80063	SM-D-808603		EA 1

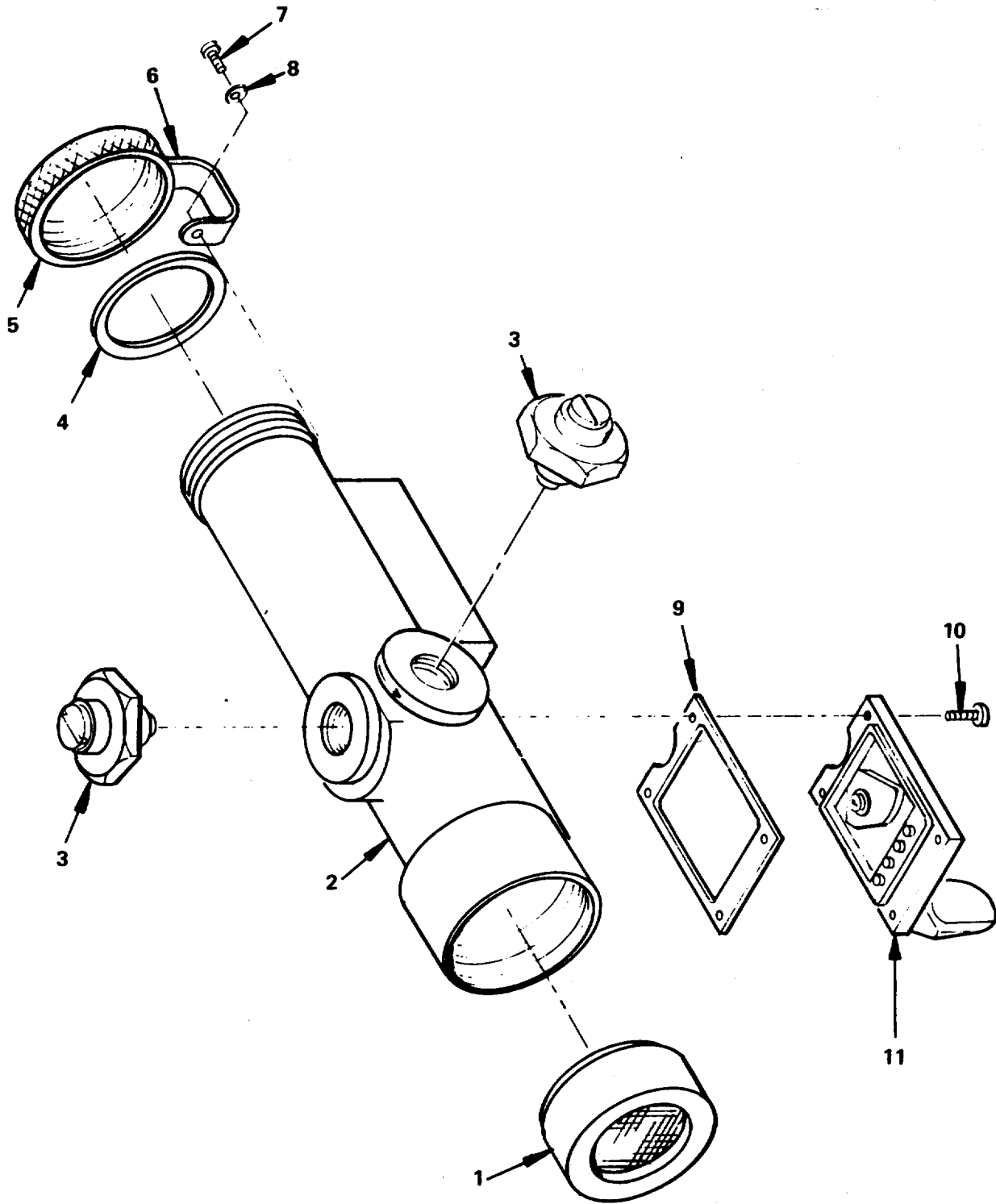
TM 11-5855-261-23P



F15
EL5ED002

Figure 2. Aiming Light, Internal Components

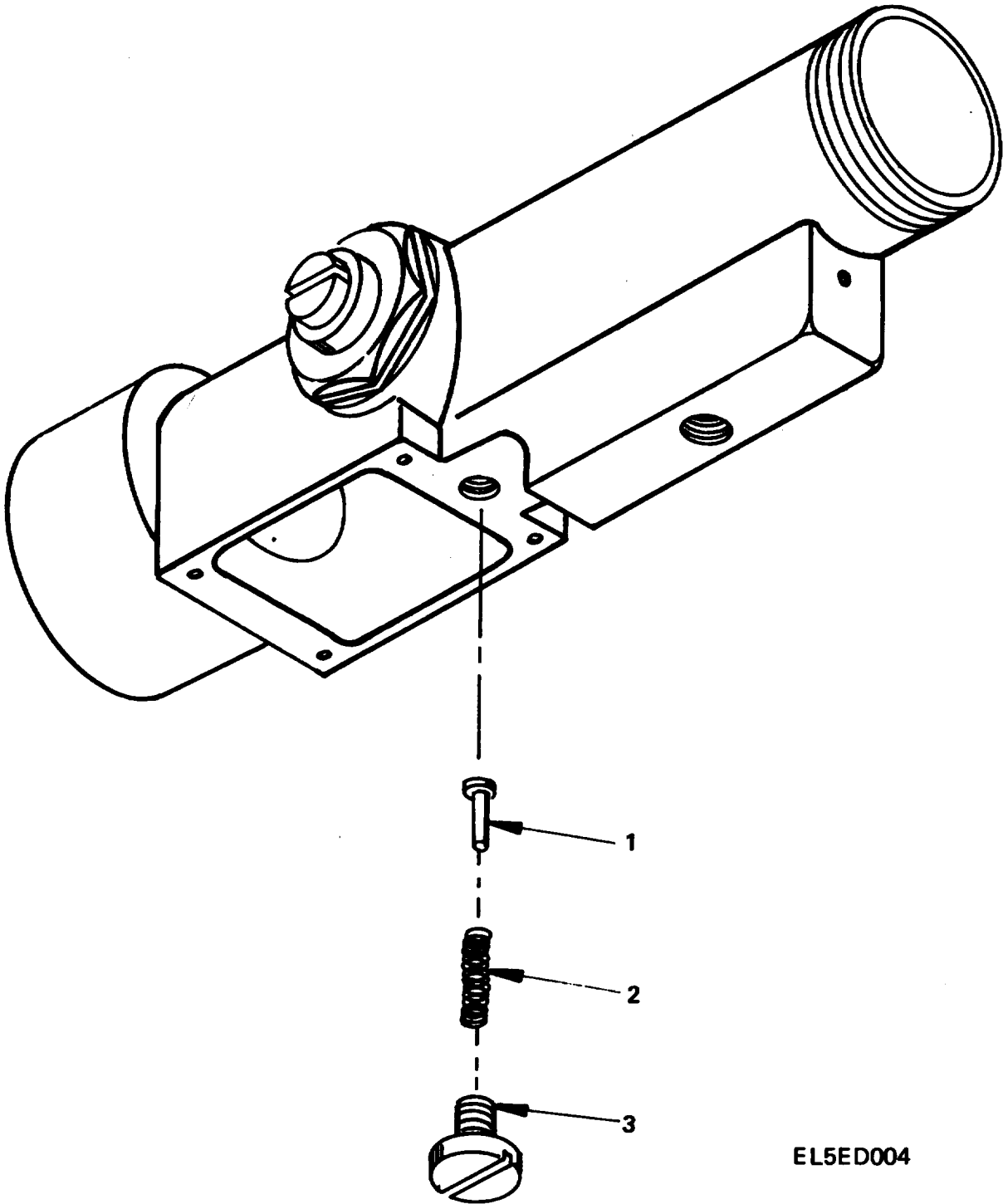
SECTION II		TM11-5855-261-23P					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUSTRATION					DESCRIPTION		QTY
(A)	(B)	NATIONAL					INC
FIG	ITEM	STOCK		PART		USABLE ON CODE	IN
NO	NO	NUMBER	FSCM	NUMBER		U/M	UNIT
GROUP 01 AIMING LIGHT INTERNAL COMPONENTS							
2	1	XAFZZ		96906 MS9068-021	PACKING, PREFORMED	EA	1
2	2	PAFZZ	5850-01-100-3273	80063 SM-D-807685	LASER ELECTRONICS, M	EA	1
2	3	PAFZZ	5850-01-096-0398	80063 SM-C-807673	LASER MODULE ASSEMBLY	EA	1
2	4	XACZZ		96906 MS28775-25	PACKING, O-RING	EA	1
2	5	PAFZZ	5855-01-100-3272	80063 SM-C-808605	REFRACTIVE LENS	EA	1



EL5ED003

Figure 3. Aiming Light, External Components

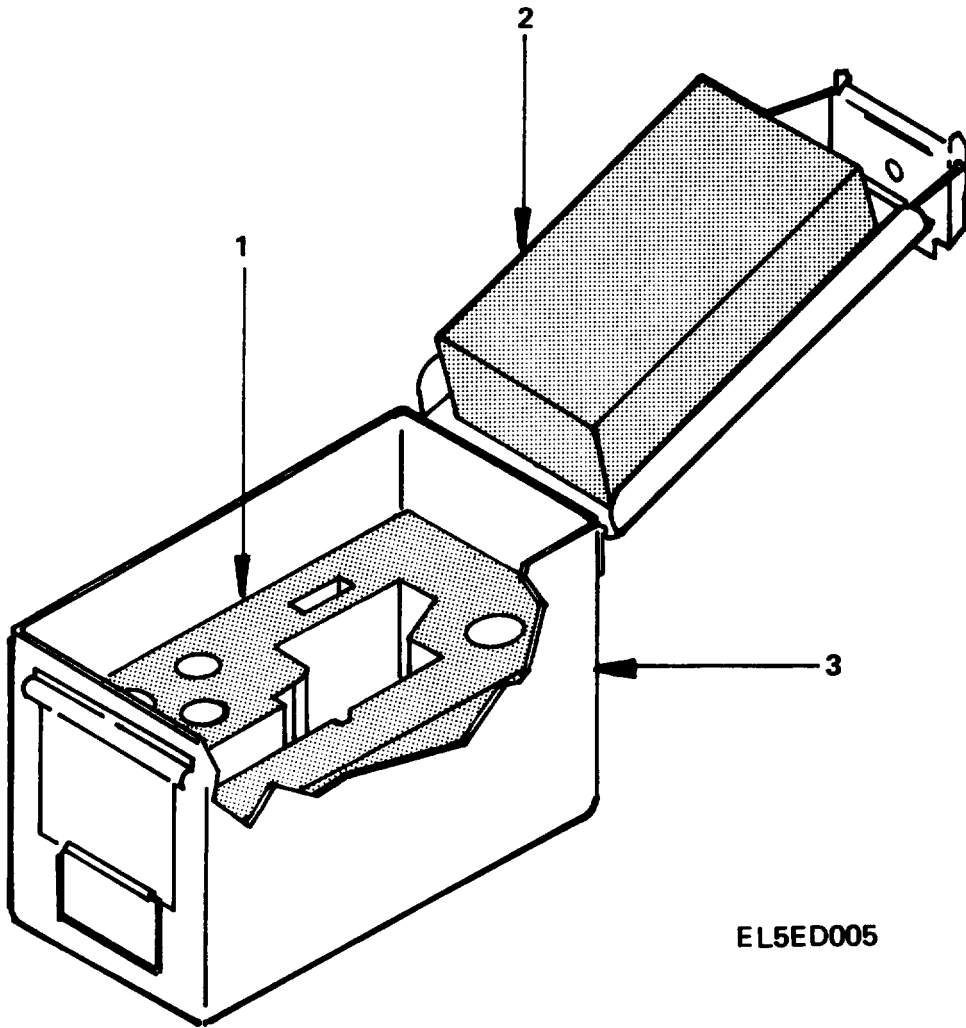
SECTION II		TM11-5855-261-23P					(7)	(8)	
(1)	(2)	(3)	(4)	(5)	(6)				
ILLUSTRATION					DESCRIPTION			QTY	
(A)	(B)	NATIONAL		PART				INC	
FIG	ITEM	STOCK	FSCM	NUMBER		USABLE ON CODE	U/M	IN	
NO	NO	NUMBER						UNIT	
3	1	PACZZ		80063	SM-D-807665			EA	1
3	2	PBPZZ		80063	SM-D-807669			EA	1
3	3	PAFZZ	5850-01-100-3274	80063	SM-C-807645			EA	2
3	4	PAOZZ	5330-00-625-3876	80063	SM-C-657405			EA	1
3	5	PAOZZ	6140-00-125-0398	80063	SM-C-657404			EA	1
3	6	XACZZ		80063	SM-B-808617			EA	1
3	7	PACZZ	5305-00-242-7275	96906	MS51957-15B			EA	1
3	8	PACZZ	5310-00-595-6761	96906	MS15795-802			EA	1
3	9	XAFZZ		80063	SM-B-808622			EA	1
3	10	PACZZ	5305-00-455-2512	96906	MS51959-13B			EA	8
3	11	PAFZZ	5930-01-096-0418	80063	SM-C-807651			EA	1



EL5ED004

Figure 4. Azimuth and Elevation Adjusters Backup Cap Screws

SECTION II		TM11-5855-261-23P					(7)	(8)
(1)	(2)	(3)	(4)	(5)	(6)			
ILLUSTRATION					DESCRIPTION			QTY
(A)	(B)	NATIONAL						INC
FIG	ITEM	SMR	STOCK	PART				IN
NO	NO	CODE	NUMBER	FSCM	NUMBER	USABLE ON CODE	U/M	UNIT
4	1	PAFZZ	5360-01-096-0399	80063	SM-B-807662	CAP,SPRING RETAINING	EA	2
4	2	PAFZZ	5360-01-096-0397	80063	SM-B-807663	SPRING,ADJUST RETURN	EA	2
4	3	PAFZZ	5305-01-096-0396	80063	SM-B-807661	SCREW,SPRING RETAINING	EA	2



EL5ED005

Figure 5. Case Assembly, Shipping and Storage

SECTION II				TM11-5855-261-23P					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		
ILLUSTRATION					DESCRIPTION		QTY		
(A)	(B)						INC		
FIG	ITEM	SMR	NATIONAL	PART			IN		
NO	NO	CODE	STOCK	NUMBER		USABLE ON CODE	U/M	UNIT	
			NUMBER	FSCM	NUMBER				
GROUP 02 CASE ASSEMBLY, SHIPPING									
AND STORAGE									
5	1	XDOZZ		80063	SM-C-808626	FOAM INSERT, LOWER	EA	1	
5	2	XDOZZ		80063	SM-C-808625	FOAM INSERT, UPPER	EA	1	
5	3	XAFZZ		13761	7553296	CASE	EA	1	

TM 11-5855-261-23P

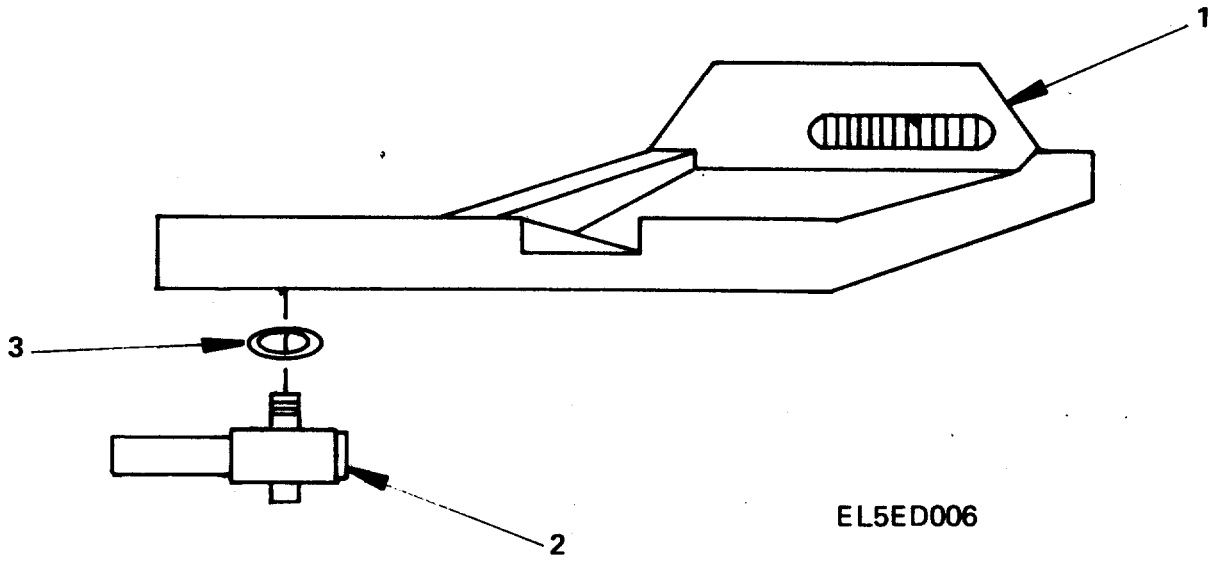


Figure 6. Mounting Bracket Assembly, M16 Rifle

SECTION II		TM11-5855-261-23P					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUSTRATION					DESCRIPTION		QTY
(A)	(B)	NATIONAL					INC
FIG	ITEM	SMR	STOCK	PART			IN
NO	NO	CODE	NUMBER	FSCM	NUMBER	USABLE ON CODE	U/M
							UNIT
GROUP 03 MOUNTING BRACKET ASSEMBLY, M16							
6	1	PAOZZ	5340-00-909-4286	01226	SSBH-52N	PLUNGER	EA 1
6	2	PAOZZ		80063	SM-C-808604	SCREW	EA 1
6	3	PAOZZ	5310-01-108-0073	80063	SM-B-850375-3	WASHER, SPRING	EA 1

STOCK NUMBER		NATIONAL STOCK NUMBER AND PART NUMBER INDEX		STOCK NUMBER		FIGURE NO	ITEM NO
6140-00-125-0398		3	5	5850-01-096-0398		2	3
5305-00-242-7275		3	7	5360-01-096-0399		4	1
5305-00-455-2512		3	10	5930-01-096-0418		3	11
5310-00-595-6761		3	8	5970-01-096-0434		1	2
5330-00-625-3876		3	4	5855-01-100-3272		2	5
5340-00-909-4286		6	1	5850-01-100-3273		2	2
5850-01-096-0395		1	4	5850-01-100-3274		3	3
5305-01-096-0396		4	3	5310-01-108-0073		6	3
5360-01-096-0397		4	2				

FSCM	PART NUMBER	FIGURE NO	ITEM NO	FSCM	PART NUMBER	FIGURE NO	ITEM NO
96906	MS15795-802	3	8	80063	SM-C-807673	2	3
96906	MS28775-25	2	4	80063	SM-C-808604	6	2
96906	MS51957-15B	3	7	80063	SM-C-808605	2	5
96906	MS51959-13B	3	10	80063	SM-C-808625	5	2
96906	MS9068-021	2	1	80063	SM-C-808626	5	1
80063	SM-B-807661	4	3	80063	SM-D-807665	3	1
80063	SM-B-807662	4	1	80063	SM-D-807669	3	2
80063	SM-B-807663	4	2	80063	SM-D-807685	2	2
80063	SM-B-807665	1	5	80063	SM-D-807820	1	1
80063	SM-B-808617	3	6	80063	SM-D-808584	1	4
80063	SM-B-808622	3	9	80063	SM-D-808590	1	2
80063	SM-B-850375-3	6	3	80063	SM-D-808603	1	6
80063	SM-C-657404	3	5	80063	SM-E-808597	1	3
80063	SM-C-657405	3	4	01226	SSBH-52N	6	1
80063	SM-C-807645	3	3	13761	7553296	5	3
80063	SM-C-807651	3	11				

By Order of the Secretary of the Army

Official:

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

E. C. MEYER
General, United States Army
Chief of Staff

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ATTN: AMSTA-US
Stateside, N.J. 07703

DATE SENT

10 July 1975

PUBLICATION NUMBER

TM 11-5840-340-20P

PUBLICATION DATE

23 Jan 78

PUBLICATION TITLE

Radar Set AN/PRC-76

BE EXACT. PIN-POINT WHERE IT IS

PAGE NO	PARA-GRAPH	FIGURE NO	TABLE NO
33			
44		19	
45			

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

For item 2, change the NSN to read: 5835-00-134-9186.
Reason: Accuracy.

Identify the cover on the junction box (item no. 5).
Reason: It is a separate item and is not called out on figure 19.

Add the cover of the junction box as an item in the listing for figure 19.
Reason: Same as above

SAMPLE

PRINTED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

SSG I. M. DeSpirit of 999-1776

SIGN HERE

I. M. DeSpirit

DA FORM 2028-2
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DATE SENT

PUBLICATION NUMBER
TM 11-5855-261-23P

PUBLICATION DATE
23 OCT 1981

PUBLICATION TITLE
Infrared Aiming Light AN/PAQ-4

BE EXACT PIN-POINT WHERE IT IS

PAGE NO	PARA GRAPH	FIGURE NO	TABLE NO
---------	------------	-----------	----------

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

PRINTED NAME GRADE OR TITLE AND TELEPHONE NUMBER

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THE METRIC SYSTEM AND EQUIVALENTS

WEIGHT MEASURE

1 Centimeter = 10 Millimeters = 0.01 Meters = 0.3937 Inches
 1 Meter = 100 Centimeters = 1000 Millimeters = 39.37 Inches
 1 Kilometer = 1000 Meters = 0.621 Miles

WEIGHTS

1 Gram = 0.001 Kilograms = 1000 Milligrams = 0.035 Ounces
 1 Kilogram = 1000 Grams = 2.2 lb.
 1 Metric Ton = 1000 Kilograms = 1 Megagram = 1.1 Short Tons

LIQUID MEASURE

1 Milliliter = 0.001 Liters = 0.0338 Fluid Ounces
 1 Liter = 1000 Milliliters = 33.82 Fluid Ounces

SQUARE MEASURE

1 Sq. Centimeter = 100 Sq. Millimeters = 0.155 Sq. Inches
 1 Sq. Meter = 10,000 Sq. Centimeters = 10.76 Sq. Feet
 1 Sq. Kilometer = 1,000,000 Sq. Meters = 0.386 Sq. Miles

CUBIC MEASURE

1 Cu. Centimeter = 1000 Cu. Millimeters = 0.06 Cu. Inches
 1 Cu. Meter = 1,000,000 Cu. Centimeters = 35.31 Cu. Feet

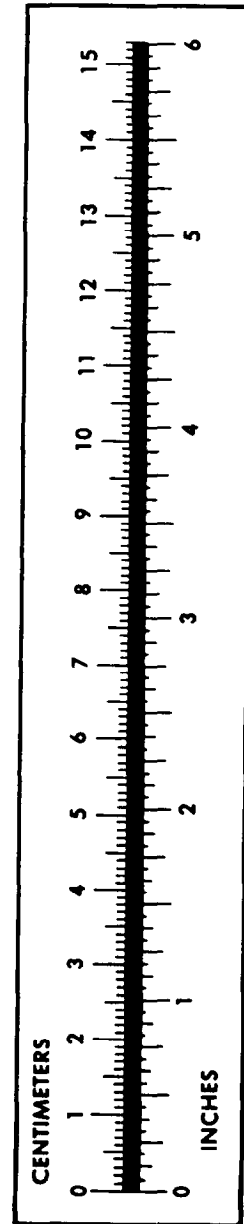
TEMPERATURE

$5/9(^{\circ}\text{F} - 32) = ^{\circ}\text{C}$
 212° Fahrenheit is equivalent to 100° Celsius
 90° Fahrenheit is equivalent to 32.2° Celsius
 32° Fahrenheit is equivalent to 0° Celsius
 $9/5^{\circ}\text{C} + 32 = ^{\circ}\text{F}$

APPROXIMATE CONVERSION FACTORS

TO CHANGE	TO	MULTIPLY BY
Inches	Centimeters	2.540
Feet	Meters	0.305
Yards	Meters	0.914
Miles	Kilometers	1.609
Square Inches	Square Centimeters	6.451
Square Feet	Square Meters	0.093
Square Yards	Square Meters	0.836
Square Miles	Square Kilometers	2.590
Acres	Square Hectometers	0.405
Cubic Feet	Cubic Meters	0.028
Cubic Yards	Cubic Meters	0.765
Fluid Ounces	Milliliters	29.573
its	Liters	0.473
arts	Liters	0.946
allons	Liters	3.785
Ounces	Grams	28.349
Pounds	Kilograms	0.454
Short Tons	Metric Tons	0.907
Pound-Feet	Newton-Meters	1.356
Pounds per Square Inch	Kilopascals	6.895
Miles per Gallon	Kilometers per Liter	0.425
Miles per Hour	Kilometers per Hour	1.609

TO CHANGE	TO	MULTIPLY BY
Centimeters	Inches	0.394
Meters	Feet	3.280
Meters	Yards	1.094
Kilometers	Miles	0.621
Square Centimeters	Square Inches	0.155
Square Meters	Square Feet	10.764
Square Meters	Square Yards	1.196
Square Kilometers	Square Miles	0.386
Square Hectometers	Acres	2.471
Cubic Meters	Cubic Feet	35.315
Cubic Meters	Cubic Yards	1.308
Milliliters	Fluid Ounces	0.034
Liters	Pints	2.113
Liters	Quarts	1.057
ers	Gallons	0.264
ms	Ounces	0.035
ograms	Pounds	2.205
Metric Tons	Short Tons	1.102
Newton-Meters	Pounds-Feet	0.738
Kilopascals	Pounds per Square Inch	0.145
ometers per Liter	Miles per Gallon	2.354
ometers per Hour	Miles per Hour	0.621



PIN: 049928-000