

**TECHNICAL MANUAL**

**ORGANIZATIONAL AND DIRECT SUPPORT**

**MAINTENANCE REPAIR PARTS AND**

**SPECIAL TOOLS LISTS**

**(INCLUDING DEPOT MAINTENANCE REPAIR**

**PARTS AND SPECIAL TOOLS)**

**FOR**

**FILTER F-1461/VRC**

**(NSN 5915-01-094-5681)**

**ORGANIZATIONAL AND DIRECT SUPPORT MAINTENANCE**

**REPAIR PARTS AND SPECIAL TOOLS LISTS**

**(INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)**

**FOR**

**FILTER F-1461/VRC  
 (NSN 5915-01-094-5681)**

**Current as of 5 January 1983**

**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 the back of this manual directly to Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: DR-SEL-ME-MP, Fort Monmouth, NJ 07703.

In either case, a reply will be furnished directly 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 F-1461/VRC. 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.* Not applicable.

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.

<i>Code</i>	<i>Definition</i>
XA-	Item is not procured or stocked because the requirements for the item will result in the replacement of the next higher assembly.

XB- Item is not procured or stocked. If not available through salvage, requisition.

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 item as restricted by AR**

(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:

<i>Code</i>	<i>Application/Explanation</i>
O-	Support item is removed, replaced, used at the organizational level.

(b) The maintenance code entered in the fourth positions 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:

<i>Code</i>	<i>Application/Explanation</i>
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:

<i>Recoverability codes</i>	<i>Definition</i>
Z-	Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3.

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 replaced.**

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 publication pertains to the F-1461/VRC and its components:  
 TM 11-5915-226-13, Filter, F-1461/VRC (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 and Fort Monmouth, 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.

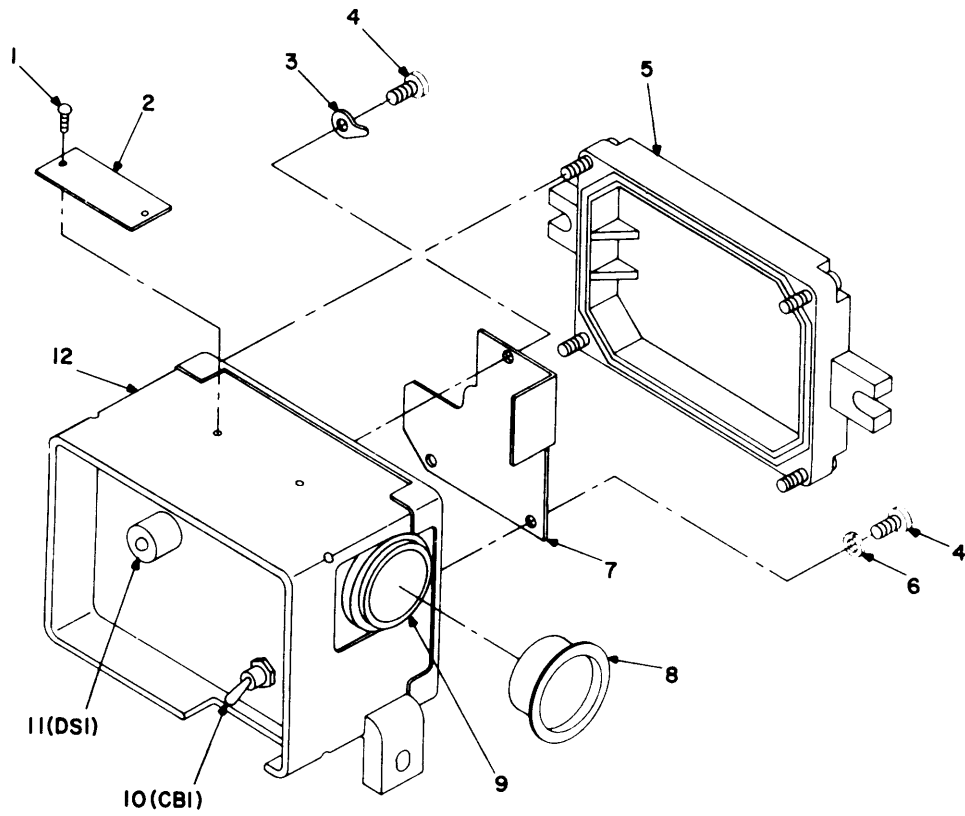
b. When National stock number or part number is known.

(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 alphameric 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.



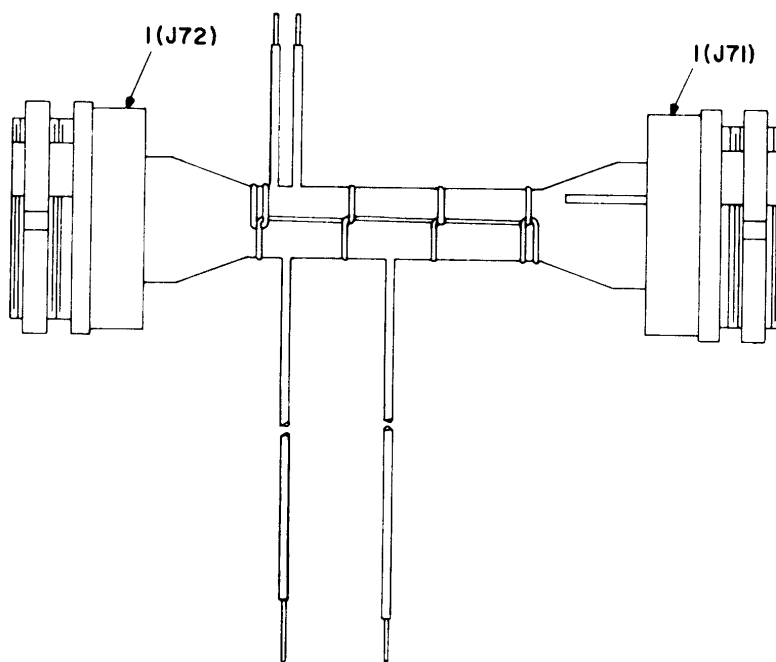
EL8WM001

Figure 1. Filter, DC F-1461/VRC.

SECTION II

TM 11-5915-226-23P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION  USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 00 FILTER, DC F-L66/VRC		
1	1	PAOZZ	5305-00-253-5609	96906	MS21318-13	SCREW,DRIVE .....	EA	2
1	2	XBOZZ		80063	SC-D-951298	PLATE,IDENT .....	EA	1
1	3	PAOZZ	5940-00-827-2653	96906	MS77068-2	TERMINAL, LUG .....	EA	1
1	4	PAOZZ	5305-00-984-4984	96906	MS35206-227	SCREW,MACHINE .....	EA	3
1	5	PAOZZ	5820-01-061-1648	80063	SM-D-415173	COVER ASSEMBLY .....	EA	1
1	6	PAOZZ	5310-00-579-0019	96906	MS35333-37	WASHER, LOCK .....	EA	2
1	7	PAOZZ		80063	SC-D-951294	ELECT CMPT ASSY .....	EA	1
1	8	PAOZZ	5935-00-933-3752	80063	SM-B-104328	COVER, ELECTRICAL CO .....	EA	2
1	9	PAOZZ		80063	SC-D-951293	WIRING HARNESS ASSY .....	EA	1
1	10	PAOZZ	5925-01-047-7510	80063	SM-D-414917	CIRCUIT BREAKER .....	EA	1
1	11	PAOZZ	6210-00-882-3615	80063	SM-C-415155	LIGHT, INDICATOR .....	EA	1
1	12	XBOZZ		80063	SC-D-951291	HOUSING ASSEMBLY .....	EA	1



EL8WM002

Figure 2. Wiring harness assembly SM-D-951293.

SECTION II

TM 11-5915-226-23P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION  USABLE ON CODE	U/M	QTY INC IN UNIT
2	1	XAOZZ		80063	SM-D-414991	CONNECTOR, RECEPTACL .....	EA	2



**SECTION IV**

**NATIONAL STOCK NUMBER AND  
PART NUMBER INDEX**

TM 11-5915-226-23P

**STOCK NUMBER**

5305-00-253-5609  
5310-00-579-0079  
5940-00-827-2653  
6210-00-882-3615

FIGURE NO.	ITEM NO.	STOCK NUMBER
1	1	5935-00-933-3752
1	6	5305-00-984-4984
1	3	5925-01-047-7510
1	11	5820-01-061-1648

FIGURE NO.	ITEM NO.
1	8
1	4
1	10
1	5

**FSCM PART NUMBER**

96906 MS21318-13  
96906 MS35206-227  
96906 MS35333-37  
96906 MS77068-2  
80063 SC-D-951291  
80063 SC-D-951293  
80063 SC-D-951294

FIGURE NO.	ITEM NO.	FSCM	PART NUMBER
1	1	80063	SC-D-951298
1	4	80063	SM-B-104328
1	6	80063	SM-C-415155
1	3	80063	SM-D-414917
1	12	80063	SM-D-414991
1	9	80063	SM-D-415173
1	7		

FIGURE NO.	ITEM NO.
1	2
1	8
1	11
1	10
2	1
1	5

By Order of the Secretary of the Army:

*Official:*

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

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PUBLICATION DATE

PUBLICATION TITLE

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NO.

PARA-  
GRAPH

FIGURE  
NO.

TABLE  
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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

### Linear Measure

1 centimeter = 10 millimeters = .39 inch  
 1 decimeter = 10 centimeters = 3.94 inches  
 1 meter = 10 decimeters = 39.37 inches  
 1 dekameter = 10 meters = 32.8 feet  
 1 hectometer = 10 dekameters = 328.08 feet  
 1 kilometer = 10 hectometers = 3,280.8 feet

### Weights

1 centigram = 10 milligrams = .15 grain  
 1 decigram = 10 centigrams = 1.54 grains  
 1 gram = 10 decigrams = .035 ounce  
 1 dekagram = 10 grams = .35 ounce  
 1 hectogram = 10 dekagrams = 3.52 ounces  
 1 kilogram = 10 hectograms = 2.2 pounds  
 1 quintal = 100 kilograms = 220.46 pounds  
 1 metric ton = 10 quintals = 1.1 short tons

### Liquid Measure

1 centiliter = 10 milliliters = .34 fl. ounce  
 1 deciliter = 10 centiliters = 3.38 fl. ounces  
 1 liter = 10 deciliters = 33.81 fl. ounces  
 1 dekaliter = 10 liters = 2.64 gallons  
 1 hectoliter = 10 dekaliters = 26.42 gallons  
 1 kiloliter = 10 hectoliters = 264.18 gallons

### Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch  
 1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches  
 1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet  
 1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet  
 1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres  
 1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

### Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch  
 1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches  
 1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

### Approximate Conversion Factors

<i>To change</i>	<i>To</i>	<i>Multiply by</i>	<i>To change</i>	<i>To</i>	<i>Multiply by</i>
inches	centimeters	2.540	ounce-inches	newton-meters	.007062
feet	meters	.305	centimeters	inches	.394
yards	meters	.914	meters	feet	3.280
miles	kilometers	1.609	meters	yards	1.094
square inches	square centimeters	6.451	kilometers	miles	.621
square feet	square meters	.093	square centimeters	square inches	.155
square yards	square meters	.836	square meters	square feet	10.764
square miles	square kilometers	2.590	square meters	square yards	1.196
acres	square hectometers	.405	square kilometers	square miles	.386
cubic feet	cubic meters	.028	square hectometers	acres	2.471
cubic yards	cubic meters	.765	cubic meters	cubic feet	35.315
fluid ounces	milliliters	29.573	cubic meters	cubic yards	1.308
pints	liters	.473	milliliters	fluid ounces	.034
quarts	liters	.946	liters	pints	2.113
gallons	liters	3.785	liters	quarts	1.057
ounces	grams	28.349	liters	gallons	.264
pounds	kilograms	.454	grams	ounces	.035
short tons	metric tons	.907	kilograms	pounds	2.205
pound-feet	newton-meters	1.365	metric tons	short tons	1.102
pound-inches	newton-meters	.11375			

### Temperature (Exact)

°F	Fahrenheit	5/9 (after	Celsius	°C
	temperature	subtracting 32)	temperature	

