

TECHNICAL MANUAL

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

FOR

RADAR WARNING SYSTEMS

**AN/APR-44(Vehicle)1
(NSN 5841-01-047-5398)**

AND

**AN/APR-44(Vehicle) 3
(NSN-5841-01-047-5400)**

HEADQUARTERS, DEPARTMENT OF THE ARMY

MAY 1983

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

FOR

**RADAR WARNING SYSTEMS
 AN/APR-44(V)1
 (NSN 5841-01-047-5398)
 AND
 AN/APR-44(V)3
 (NSN 5841-01-047-5400)**

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 20-28-2 located in the back of this manual direct to commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: DRSEL-ME-MP, Fort Monmouth, NJ 07703.

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

			Page	Illus Figure
Section	I.	Introduction.....	1	
	II.	Repair Parts List.....	5	
Group	00	RadAR Warning Systems AN/APR-44(V)1 and AN/APR-44(V)3	5	1
	01	RadAR Receiver R-2097/apr-44(V) (No parts authorized) 0102 Processor (No parts authorized) 010201 Circuit Card Assembly (No parts authorized)		
	02	Receiver Control car-10387/APR-44(V)	7	2
	03	radar receiver r-2098/APR-44(V) (No parts authorized) 0302 Processor (No parts authorized) 030201 Circuit Card Assembly (No parts authorized)		
	04	Low Pass Filter F-1502/APR-44(V) (No parts authorized)		
Section	III.	Special Tools List (Not applicable)		
	IV.	National Stock Number and Part Number Index	8	

*This manual supersedes TM 11-5841-291-20P, 26 October 1981.

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 maintenance of the AN/APR-44(V)1 and AN/APR-44(V)3. It authorizes the requisitioning and issue of spares and repair parts as indicated by the source and maintenance codes.

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.

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. General

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

(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. *Section II. Repair Parts Lists.* 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.

(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.

b. *Section III. Special Tools List.* Not applicable.

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

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.

(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:

3. Explanation of Columns

a. *Illustration.* This column is divided as follows:

<i>Code</i>	<i>Application/Explanation</i>
D —	The lowest maintenance level capable of complete repair of the support item is the depot level.
Z —	Nonreparable. No repair is authorized.

(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,

(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 as format as follows:

Recoverability codes

<i>codes</i>	<i>Definition</i>
Z —	Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3.
D —	Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal not authorized below depot level.
L —	Reparable item. Repair, condemnation, and disposal not authorized below depot/specialized repair activity 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 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. Usable on codes are show in the description column. Uncoded items are applicable to all models. Identification of the usable on codes used in this publication are:

<i>Code</i>	<i>Used on</i>
DXX	AN/APR-44(V)1
EVC	AN/APR-44(V)3

b. The following publications pertain to the AN/APR-44(V)1 and AN/APR(V)3 and their components:

TM 11-5841-291-12, Radar Warning Set, AN/APR-44(V)1.

c. 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, New Jersey 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.

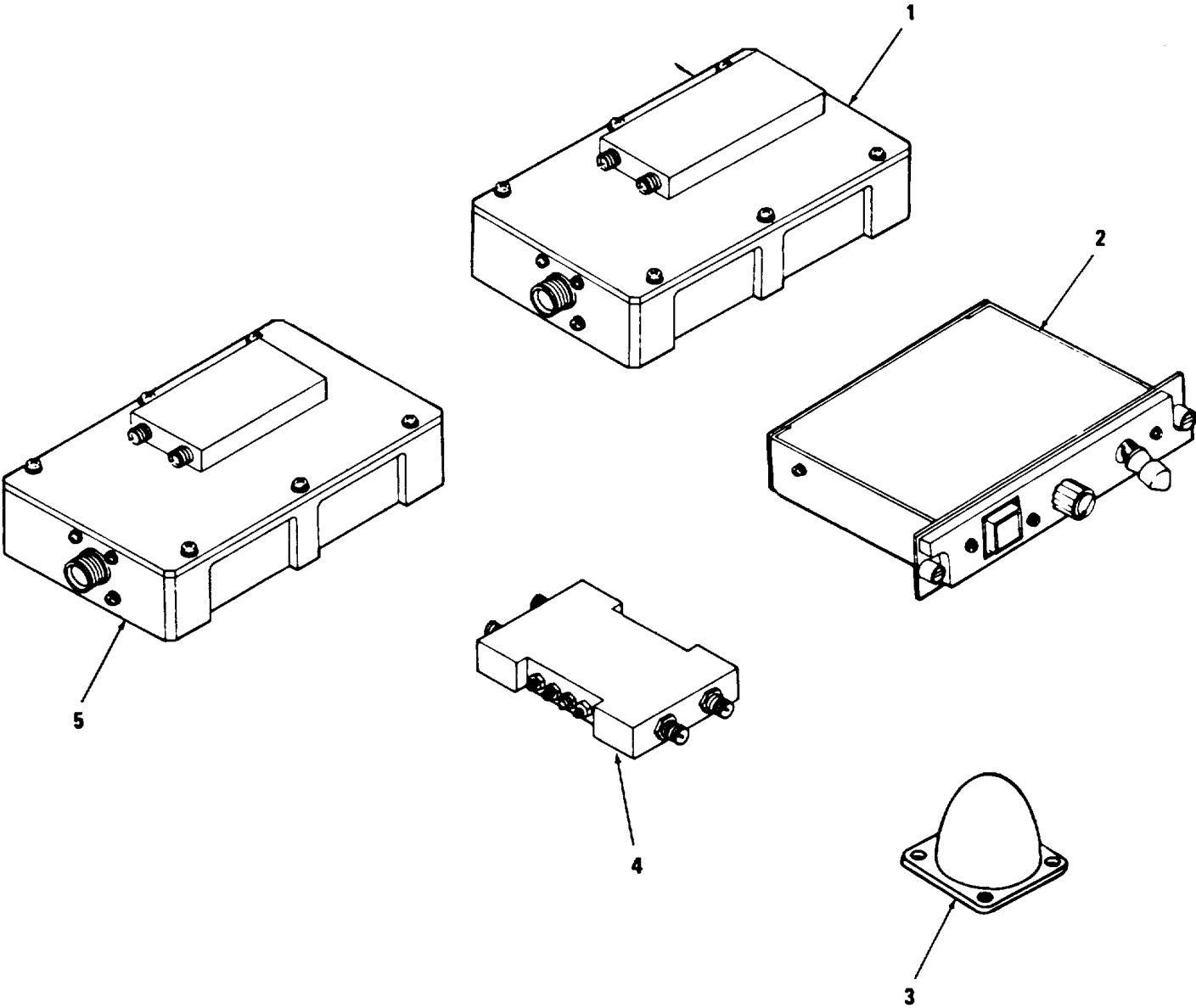
b. When National stock number of part number is known.

(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 number 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 lists.

6. Abbreviations

Not applicable.

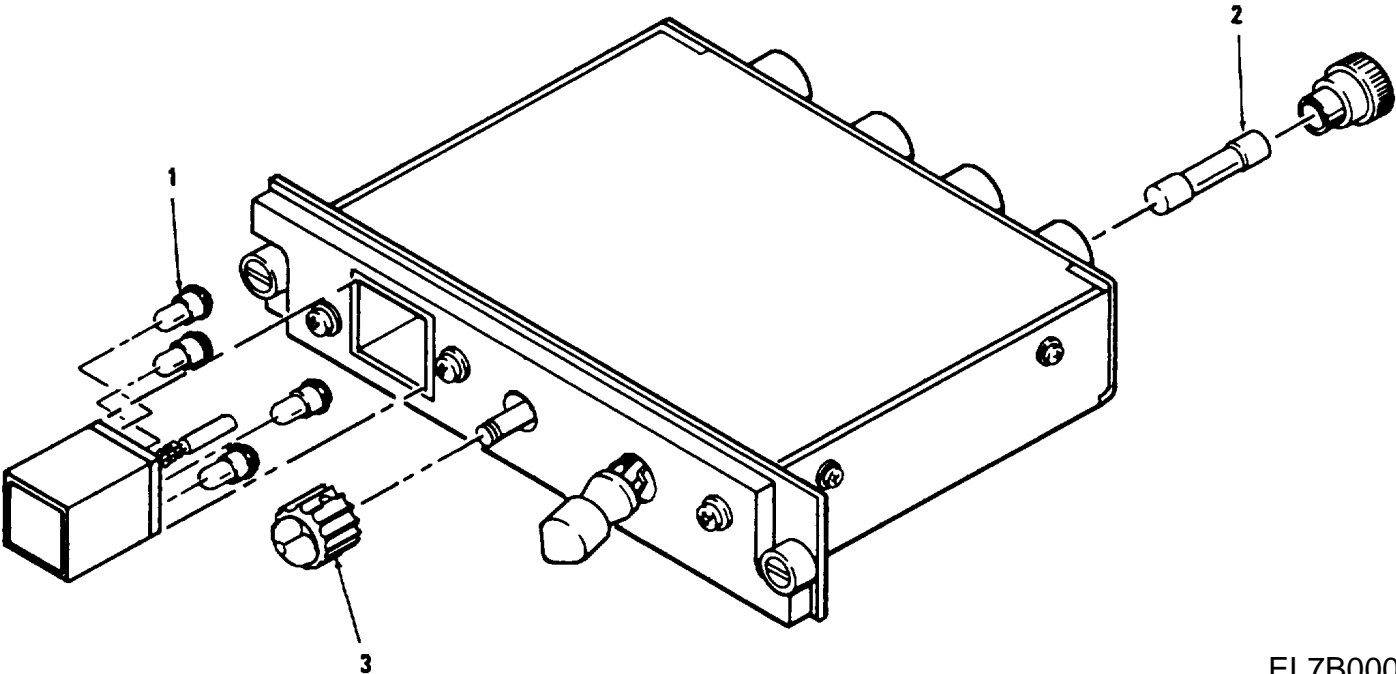


EL7B0003

Figure 1. Radar Warning System AN/APR-44(V)1 and AN/APR-44(V)3.

**SECTION II
REPAIR PARTS LIST**

(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 RADAR WARNING SYSTEM AN/APR 44(V)1 &(V)3		
1	1	PAODD	5841-01-047-5485	80058	R-2097/APR-44(V)	RECEIVER, RADAR.....	EA	1
1	2	PAODD	5841-01-048-0705	80058	C-10387/APR-44(V)	CONTROL, RECEIVER.....	EA	1
1	3	PAOZZ	5985-01-047-2770	80058	AS3266/APR-44(V)	ANTENNADXX	EA	2
1	3	PAOZZ	5985-01-047-2770	80058	AS-3266/APR-44(V)	ANTENNAEVC	EA	4
1	4	PAODL	5915-01-088-6773	80058	F-1502/APR-44(V)	FILTER ASSEMBLY, ELE.....	EA	1
1	5	PAODD	5841-01-047-5486	80058	R-2098/APR-44(V)	RECEIVER, RADAR.....EVC	EA	1



EL7B0002

Figure 2. Receiver Control C-10387/APR-44(V).

**SECTION II
REPAIR PARTS LIST**

(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 02 RECEIVER CONTROL C-10387/APR-44(V)		
2	1	PAOZZ	6240-00-143-6558	96906	MS3338-6839	LAMP, INCADENSCENT.....	EA	4
2	2	PAOZZ	5920-00-235-8358	81349	F01A250V1/4A	FUSE, CARTRIDGE.....	EA	1
2	3	PAOZZ	5335-00-057-7794	96906	MS91528-01CB	KNOB, CONTROL, ROUND.....	EA	1

**SECTION IV
NATIONAL STOCK NUMBER AND PART NUMBER INDEX**

STOCK NUMBER	FIGURE NO.	ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.
5355-00-057-7794	2	3	5841-01-047-5485	1	1
6240-00-143-6558	2	1	5841-01-047-5486	1	5
5920-00-235-8358	5	5	5841-01-048-0705	1	2
5985-01-047-2770	1	3	5915-01-088-6773	1	4
5985-01-047-2770	1	3			

FSCM	PART NUMBER	FIGURE NO.	ITEM NO.	FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
80058	AS-3266/APR-44(V)	1	3	96906	MS3338-6839	2	1
80058	AS3266/APR-44(V)	1	3	96906	MS91528-01CB	2	3
80058	C-10387/APR-44(V)	1	2	80058	R-2097/APR-44(V)	1	1
80058	F-1503/APR-44(V)	1	4	80058	R-2097/APR-44(V)	1	5
81349	F01A250V1/4A	2	2				

By Order of the Secretary of the Army:

E.C. MEYER
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 DA Form 12-31, Organizational Maintenance requirements for OV-1B/C and AH-IS(MOD).

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS



THEN... JOT DOWN THE DOPE ABOUT IT ON THIS FORM, CAREFULLY TEAR IT OUT, FOLD IT AND DROP IT IN THE MAIL!

SOMETHING WRONG WITH THIS PUBLICATION?

FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

DATE SENT

PUBLICATION NUMBER

PUBLICATION DATE

PUBLICATION TITLE

BE EXACT... PIN-POINT WHERE IT IS

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

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

TEAR ALONG PERFORATED LINE

PRINTED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

SIGN HERE:

DA FORM 2028-2 JUL 79

PREVIOUS EDITIONS ARE OBSOLETE.

P.S.—IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR RECOMMENDATION MAKE A CARBON COPY OF THIS AND GIVE IT TO YOUR HEADQUARTERS.

