

**TECHNICAL MANUAL**

**ORGANIZATIONAL MAINTENANCE REPAIR  
PARTS AND SPECIAL  
TOOLS LISTS  
FOR  
RADAR SET AN/PPS-15A(V)1**

**(NSN 5840-01-051-3067)**

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**HEADQUARTERS, DEPARTMENT OF THE ARMY**

**8 NOVEMBER 1979**

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 DEPARTMENT OF THE ARMY  
 WASHINGTON, DC 8 November 1979

TECHNICAL MANUAL

No. 11-5840-347-20P

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 AND SPECIAL TOOLS LISTS**

**FOR  
 RADAR SET AN/PPS-15A(V)1  
 (NSN 5840-01-051-3067)**

*Current as of 22 August 1979*

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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 maintenance of the AN/PPS-15A(V)1. 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 alphanumeric 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.	

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:

<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 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:

<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--Nonrepairable. 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--Nonrepairable 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.

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

*d 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.

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

*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/PPS-15A(V)1 and its components: TM 11-5840-347-13, Radar Set AN/PPS-15A(V)1.

b. The illustrations in this manual are identical to those published in TM 11-5840-347-30P. Only those parts assigned the third position SMR maintenance code "C" or "O" are listed in the tabular listing; therefore, there may be a break in the item number sequence. Only illustrations containing organizational authorized items appear in this manual

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 and Electronics Materiel Readiness 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 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 alphanumeric 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)

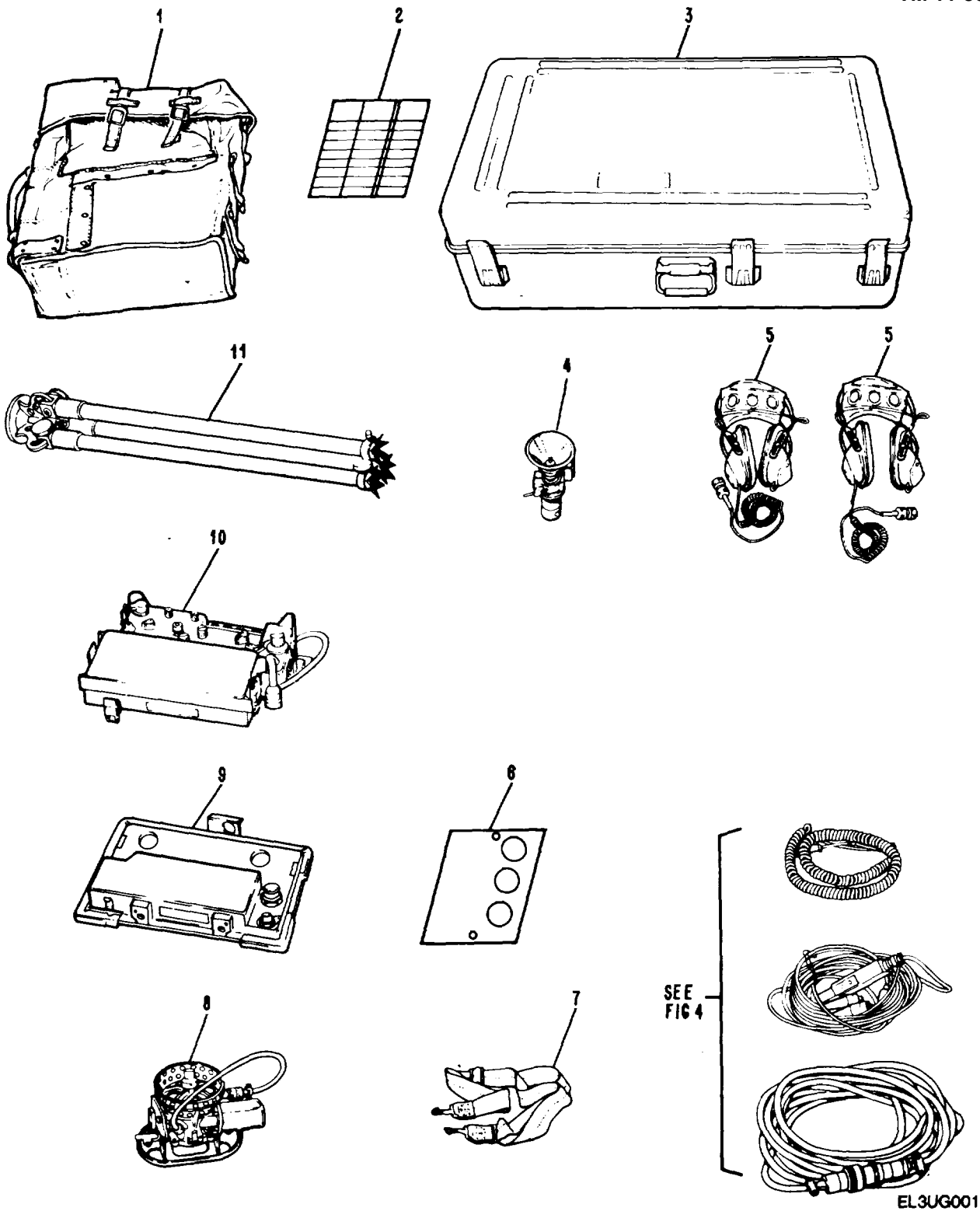


Figure 1. Radar Set AN/PPS-15A(V)1.

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(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION  USABLE ON CODE	U/M	QTY INC IN UNIT
1	4	PAOZZ	5840-00-117-0968	MX-9IZI6/PPS-15V	80058	Group 00 Radar Set AN/PPS-15A(v) 1 ADAPTFR,PINTLE MOUN.....	EA	1
1	7	PAOZZ	5340-01-072-8002	SN-D-75Z27L	80063	STRAP.....	EA	1
					<b>5</b>			

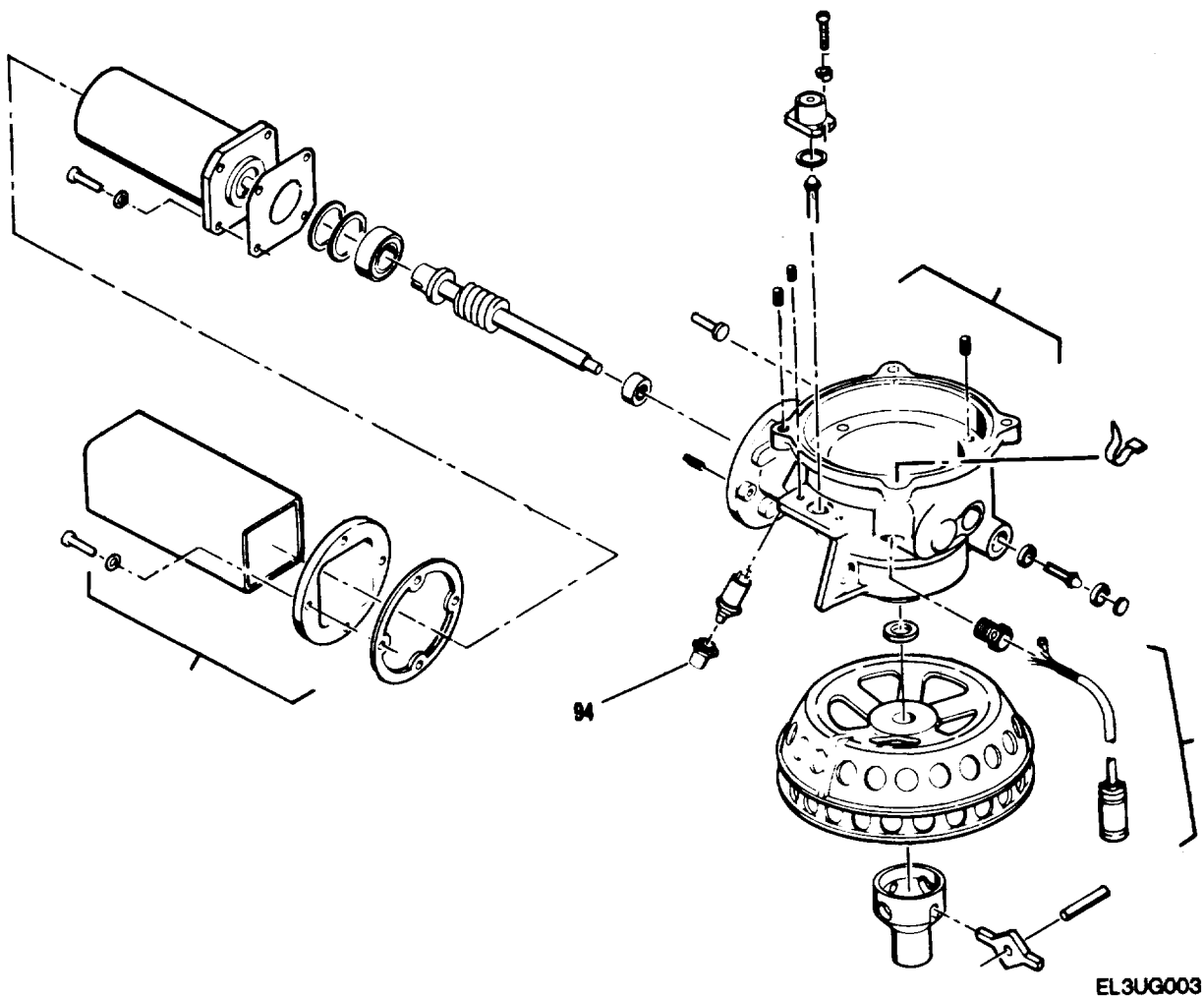


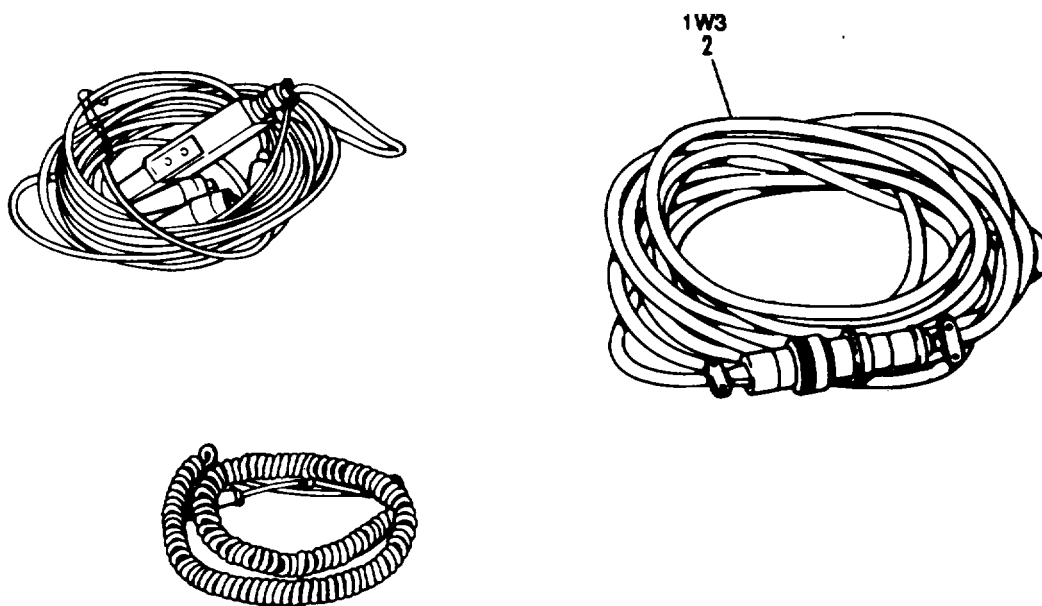
Figure 2. Antenna Drive AB-1205A/PPS-15(V).

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(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION  USABLE ON CODE	U/M	QTY INC IN UNIT
2	94	PAOZZ		MS423/10-01	90096  7	Group 01 Antenna Drive AB12-5A/PPS-15A(v)1 BOOT,SEALING .....	EA	1





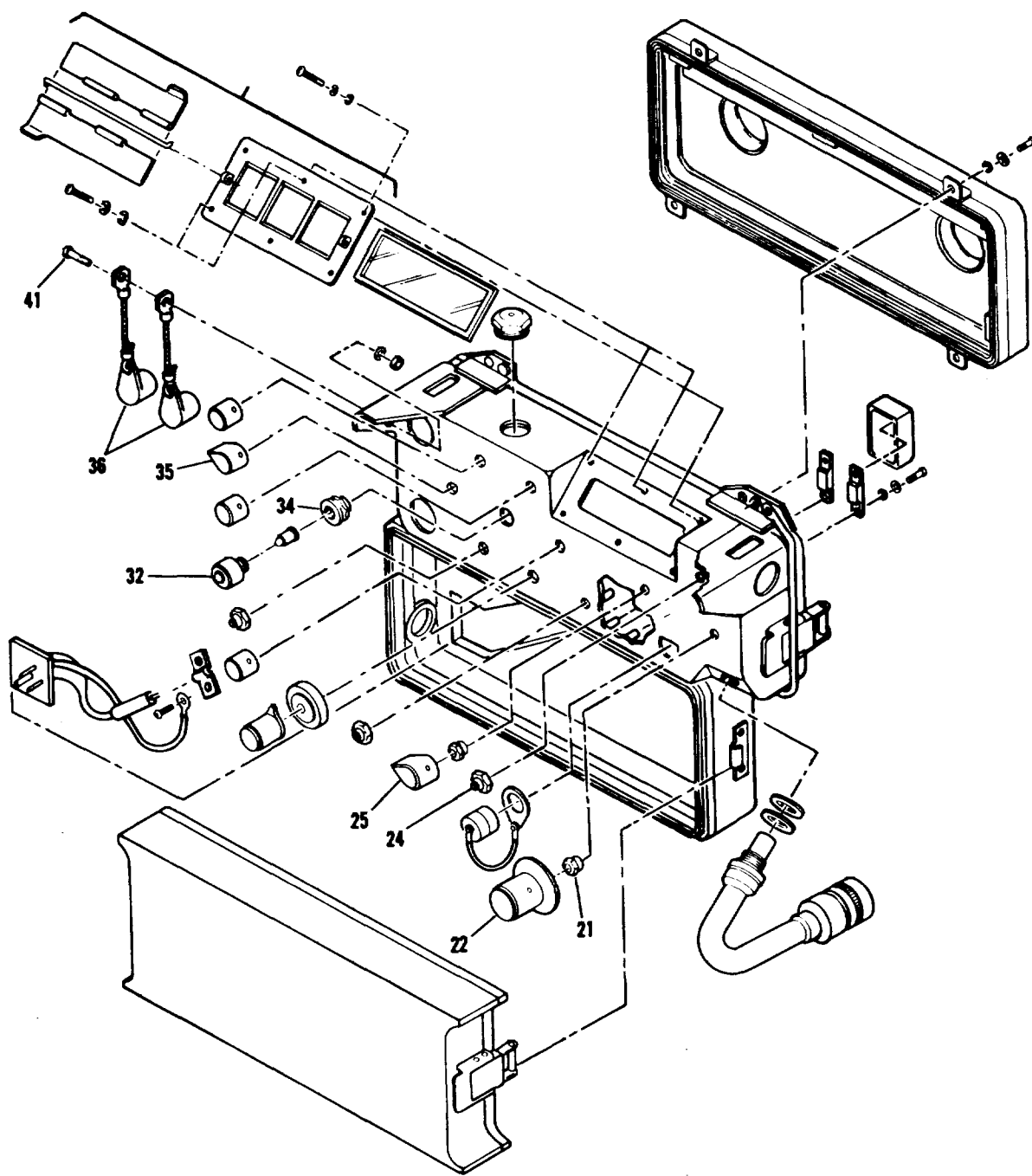
EL3UG004

Figure 3. Interconnecting Cable Assemblies.

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(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION  USABLE ON CODE	U/M	QTY INC IN UNIT
3	2	PAODD	5995-01-07Z-8001	SM-D-752409	80063	GROUP 03 Interconnecting CABLE ASSEMBLIES  Cable ASSEMBLY SPEC .....	EA	1
					9			



EL3UG005

Figure 4. Control-Indicator C-9,53A/PPS-15(V).

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(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION  USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 07 CONTROL-INDICATOR C-9353&/PPS-15 V		
4	21	PA0ZZ		MS4Z3 D09-03	96906	BOOT, Sealing .....	EA	2
4	22	PA0ZZ	5355-OD-021-5982	MS9Y52a-2la	96906	KNOB .....	EA	1
4	24	PA0ZZ		MS423/11-01	96906	BOOT, SEALING .....	EA	13
4	25	PA0ZZ	5355-00-656- k45B	SLS128-PIL	9650'6	KNOB .....	EA	1
4	26	PA0ZZ	535500-467-03U3	SMC75520	80063	DIAL-KNOB LOCK ,ELEL .....	EA	1
4	31	PAOZZ	5355-00-85D-9799	S591528-O1A	96906	KNOB .....	EA	3
4	32	PA0ZZ	6210-00-151-5240	L036RD2	81349	LENS, LIGHT .....	EA	1
4	34	PA0ZZ	6210-00-176-4928	LH891L	81349	LIGHT.INICATOR .....	EA	1
4	35	PAOLI	5355-00-990-3173	MS91528-0P18	96096	KNOB .....	EA	1
4	36	PAOZZ		SMCC04uDO	80063	LAP,PROTECTIVE,CONN .....	EA	2
4	41	PA0ZZ	5305-00-054-661	MS551951-37	9690b	SCREW.MACHNE .....	EA	1
					<b>11</b>			

**SECTION IV**

**NATIONAL STOCK NUMBER AND PART NUMBER INDEX**

<b>NATIONAL STOCK NUMBER</b>	<b>FIGURE NO..</b>	<b>ITEM NO.</b>	<b>NATIONAL STOCK NUMBER</b>	<b>FIGURE NO.</b>	<b>ITEM NO.</b>
5305-00-0546661	4	22	5355-00-656-1458	4	25
5305-00-054-6661	4	41	5355-00-850-9799	4	31
5840-00-117-0968	1	4	5355-00-990-3173	4	35
621000-151-5240	4	32	5995-00-072-8001	3	2
6210-00-176-4928	4	34	5340-01-T072-8002	1	7

<b>PART NUMBER</b>	<b>FSCM</b>	<b>FIG. NO.</b>	<b>ITEM NO.</b>	<b>PART NUMBER</b>	<b>FSCM</b>	<b>FIG. NO.</b>	<b>ITEM NO.</b>
LC36RDZ	81349	4	32	MS91528-1P18	96906	4	25
LH89/1	81349	4	34	MS5915Z8-2G18	96906	4	22
MS423/09-03	96906	4	21	MX-9426/PPS-15V	80058	1	4
MS423/10-01	96906	2	94	SM-D-752271	80063	1	7
M5423/11-01	96906	4	24	SM*D-752409	80063	3	2
MS51957-37	96906	4	41	SMC704850	80063	4	36
MS91528-ON18	96906	4	31	SMC752520	80063	4	26
MS9152&-OP1B	96906	4	35				

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





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