

**\*TM 11-6665-224-40P**

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**TECHNICAL MANUAL**

**GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS  
(INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)**

**FOR**

**RADIAC SET AN/PDR-27P  
(NSN 6665-00-975-7222)**

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**HEADQUARTERS, DEPARTMENT OF THE ARMY  
12 DECEMBER 1977**

TECHNICAL MANUAL  
 No. 11-6665-224-40P

HEADQUARTERS  
 DEPARTMENT OF THE ARMY  
 WASHINGTON, DC, 12 December 1977

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 (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)

FOR

RADIAC SET AN/PDR-27P  
 (NSN 6665-09-975-7222)  
 Current as of 24 September 1977

**REPORTING OF ERRORS**

You can improve this manual by recommending improvements using DA Form 2028-2 (Test) located in the back of the manual. Simply tear out the self-addressed form, fill it out as shown on the sample, fold it where shown, and drop it in the mail.

If there are no blank DA Forms 2028-2 (Test) in the back of your manual, use the standard DA Form 2028 (Recommended Changes to Publications and Blank Forms) and forward to the Commander, US Army Electronics Command, ATTN: DRSEL-MA-Q, Fort Monmouth, NJ 07703.

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

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• This manual supersedes TM 11-6665-224-40P, 30 July 1973.

## SECTION I

### INTRODUCTION

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#### 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 general support maintenance of the AN/PDR-27P. 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:

#### *Code*

#### *Definition*

PA-Item procured and stocked for anticipated or known usage.

PD-Support item, excluding support equipment, procured for initial issue or outfitting and stocked only for subsequent or additional initial issues or outfittings. Not subject to automatic replenishment.

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 fourth position will indicate the following level of maintenance:

#### *Code*

#### *Application/Explanation*

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

H-Support item is removed, replaced, used at the general support level.

D-Support items are removed, replaced, used at depot, mobile depot, specialized repair activity only.

(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>  |
|-------------|---|
| H-          | The lowest maintenance level capable of complete repair of the support item is the general support level. |
| D-          | The lowest maintenance level capable of complete repair of the support item is the depot 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:

<i>Recoverability Codes</i>	<i>Definition</i>
Z-	Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3.
H-	Reparable item. When uneconomically repairable, condemn and dispose at the general support level.
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. 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 a functional group, subfunctional group, or an assembly.

4. Special Information

The following publications pertain to the AN/PDR-27P and its components:

TM 11-6665-224-15,	Radiac Set AN/PDR-27P
TM 11-6665-224-20P,	Radiac Set AN/PDR-27P
TM 11-5965-247-12P,	Headset, Electrical H-43B/U
TM 11-5965-247-35P,	Headset, Electrical H-43B/U

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 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.)

(Next printed page is 4)

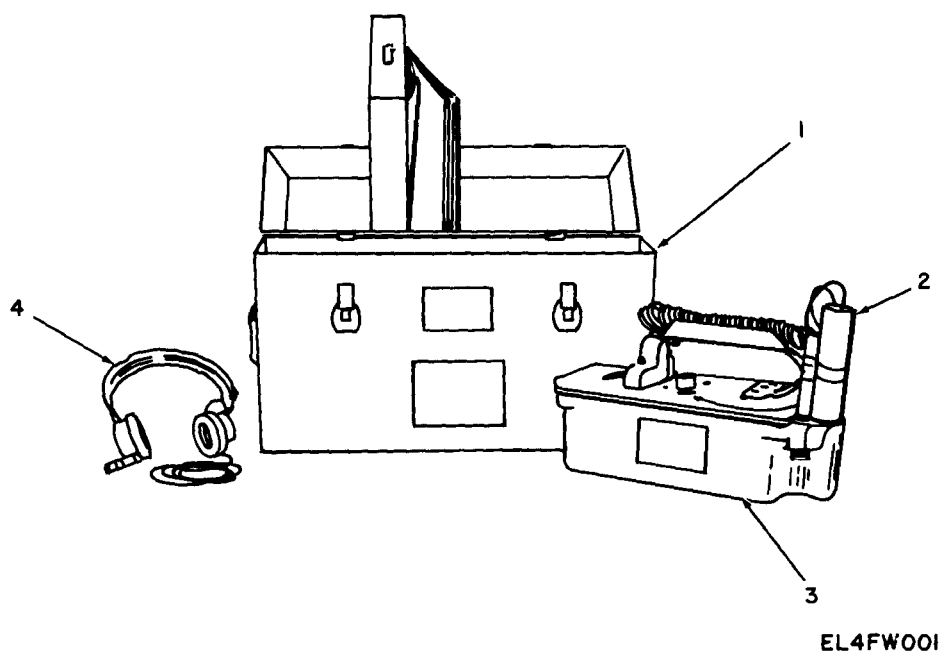
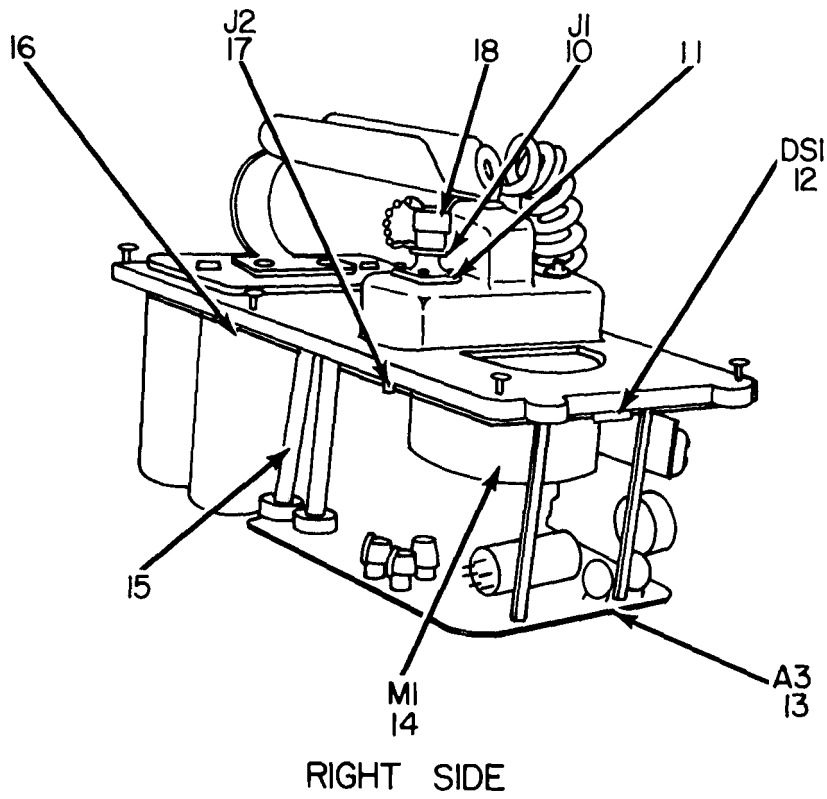
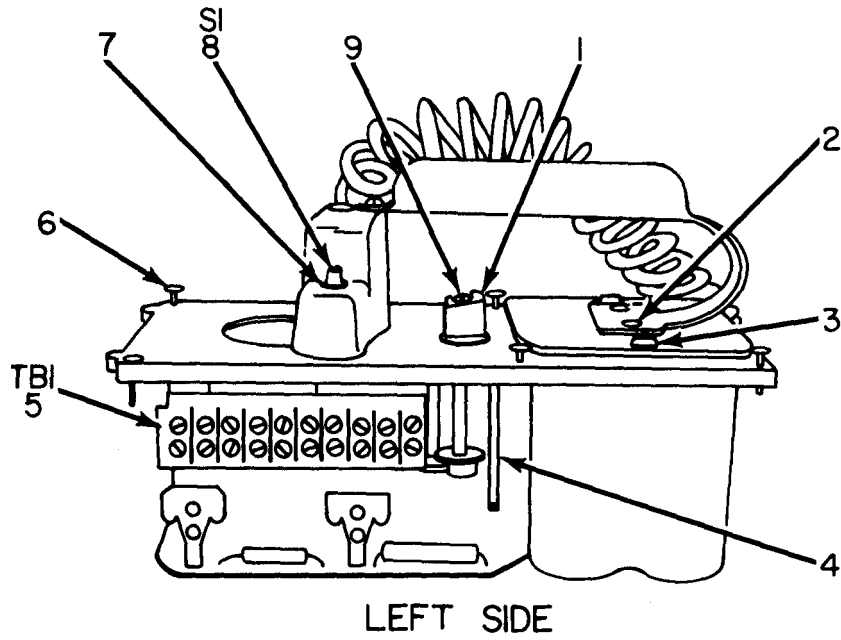


Figure 1. Radiac Set AN/PDR-27P

(1) ILLUSTRATION (a) FIG NO.	(2) (b) ITEM NO.	(3) SMR CODE	(4) NATIONAL STOCK NUMBER	(5) PART NUMBER	(6) DESCRIPTION USABLE ON CODE	(7) U\M	(8) QTY INC IN UNIT
GROUP 00 RADIAC SET AN/PDR-27P							
1	1	XDODD		CY2312/PDR-27L	80058 CASE, CARRYING	EA	1
1	2	PAHHH	6665-00-684-1533	DT-196/PDR-27J	80058 DETECTOR, RADIAC	EA	1
1	3	PAOHD	6665-00-078-4179	IM177PDR27P	80058 RADIAC METER	EA	1
1	4	PDODD	5965-00-651-7372	H-43B/U	80058 HEADSET	EA	1



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Figure 2. Radiac Meter IM-177/PDR-27P



(1) ILLUSTRATION (a) FIG NO.	(b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION USABLE ON CODE	(7) U\M	(8) QTY INC IN UNIT
						GROUP 01 RADIAC METER IM-177/PDR-27P		
2	1	PAOZZ	5355-00-656-1275	3651527	94988	KNOB	EA	1
2	2	PAOZZ	5305-00-685-1799	11383	94988	SCREW,EXT RLV BODY	EA	2
2	3	PAOZZ	5305-00-947-7033	11364	94988	SCREW,SEAL	EA	2
2	4	PAOZZ	6665-00-675-9415	3061503	94988	PLATE,DETENT	EA	1
2	5	PAHZZ	5940-00-762-7498	8-140	71785	TERMINAL BOARD	EA	1
2	6	PAOZZ	5305-00-685-1800	11414	94988	SCREW,EXT RLV BODY	EA	7
2	7	PAOZZ	5930-00-950-4541	11365	97539	NUT,SEAL	EA	1
2	8	PAHZZ	5930-00-615-1383	30-1	81073	SWITCH,PUSH SPST	EA	1
2	9	PAOZZ	5305-00-281-3118	3201505	94988	SCREW,SET	EA	2
2	10	PAHZZ	5935-00-201-3511	UG290AU	81349	CONNECTRO,RCPT,ELEC	EA	1
2	11	XDOZZ		902-1	86579	GASKET	EA	1
2	12	PAHZZ	6240-00-577-8456	NE2E	08108	LAMP,GLOW	EA	1
2	13	XDHDL		521-11391	15249	PRINTED CIRCUIT BD	EA	1
2	14	PAHZZ	6665-00-069-3031	MR36M201	81349	METER,ROENTGEN RATE	EA	1
2	15	PAHZZ	5355-00-926-5504	3651528	97913	EXTENSION SHAFT	EA	4
2	16	PAOZZ	5330-00-542-1752	1320048	70064	GASKET	EA	1
2	17	PAHZZ	5935-00-583-7985	11416	80028	CONNECTOR,PLUG,ELEC	EA	1
2	18	PAHZZ	5935-00-885-2264	MILC39012-25	81349	COVER,DUST	EA	1

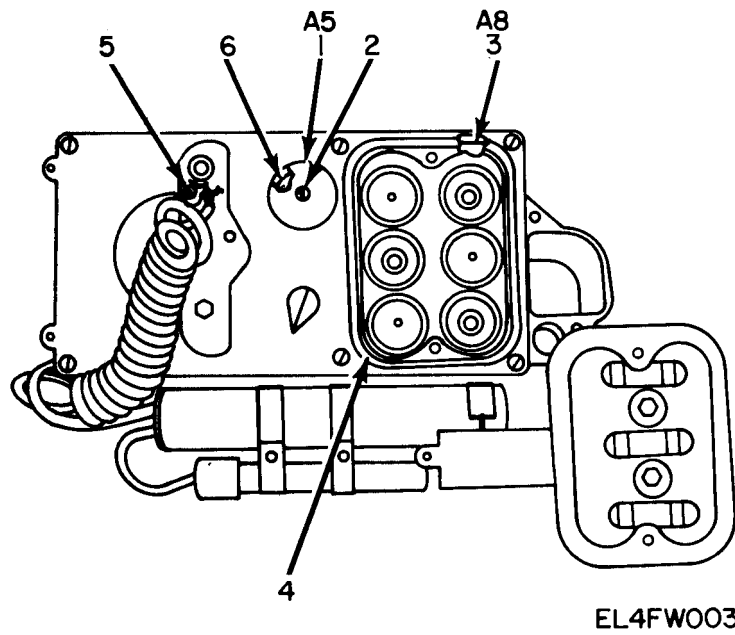


Figure 3. Radiac Meter IM-177/PDR-27P, Battery Cover Removed.

(1) ILLUSTRATION (a) FIG NO.	(2) (b) ITEM NO.	(3) SMR CODE	(4) NATIONAL STOCK NUMBER	(5) PART NUMBER	(6) FSCM	(6) DESCRIPTION USABLE ON CODE	(7) U\M	(8) QTY INC IN UNIT
3	1	PAOZZ	6665-00-675-9401	11319	94988	CAP, ALUMINUM	EA	1
3	2	PAOZZ	5305-00-947-7033	11364	94988	SCREW, SEAL	EA	1
3	3	PAHZZ	5970-00-675-9392	11373	94988	INSULATOR, PLATE	EA	1
3	4	PAOZZ	5330-00-542-1753	521-1320047	15249	GASKET	EA	1
3	5	PAHZZ	5975-00-683-2152	11327	94988	NUT, PAKCING	EA	4
3	6	XDOZZ		902-1	86579	GASKET	EA	1

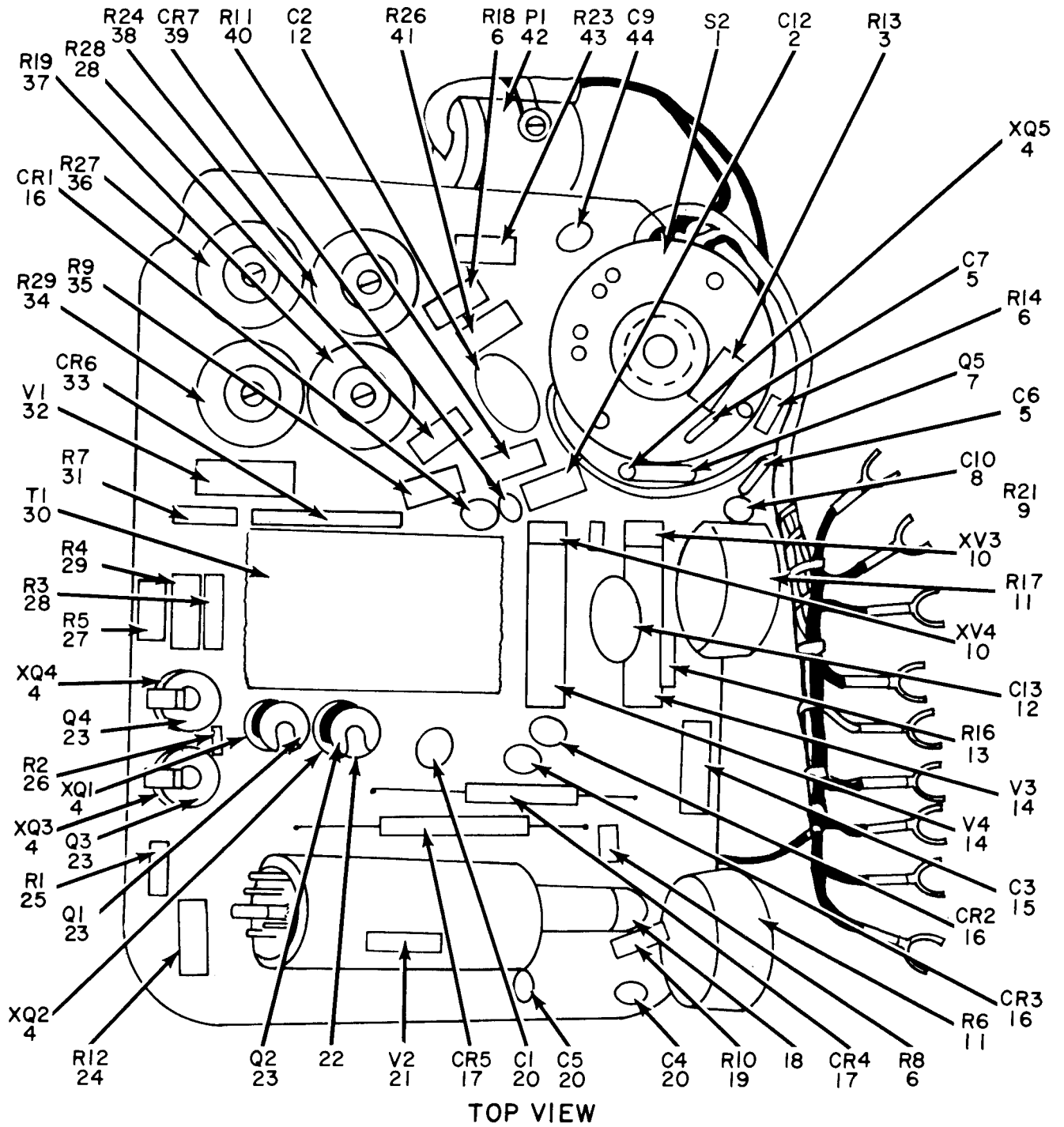
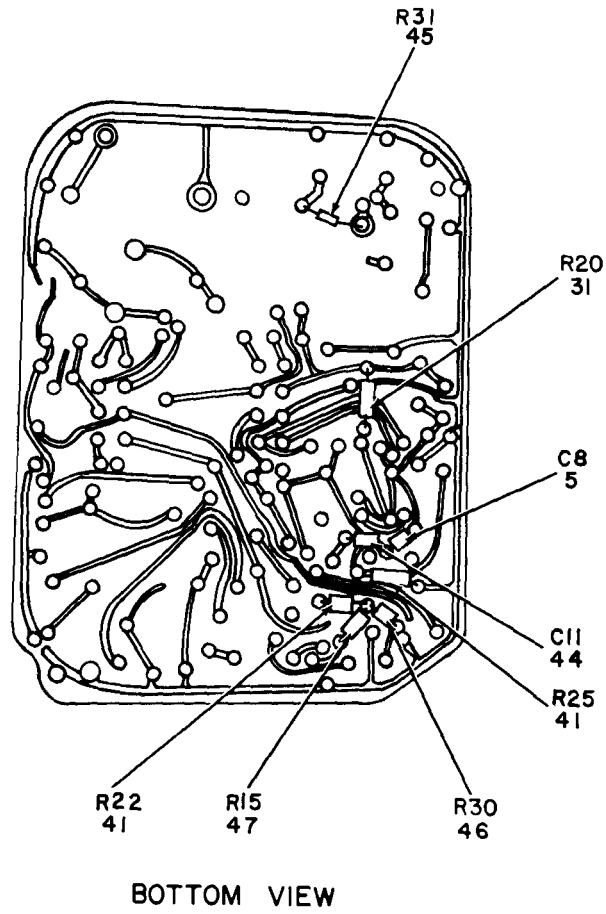


Figure 4. Printed Circuit Board (A3) (Sheet 1 of 2).

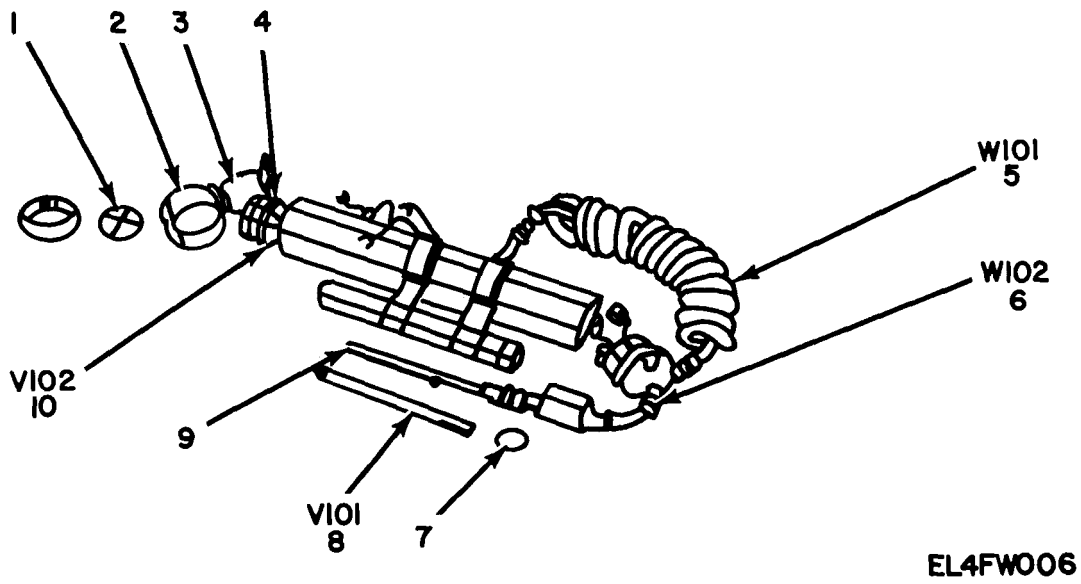


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Figure 4. Printed Circuit Board (A3) (Sheet 2 of 2).

(1) ILLUSTRATION (a) FIG NO.	(2) (b) ITEM NO.	(3) SMR CODE	(4) NATIONAL STOCK NUMBER	(5) PART NUMBER	(6) FSCM USABLE ON CODE	(7) DESCRIPTION GROUP 0101 PRINTED CIRCUIT BOARD A3 U\M	(8) QTY INC IN UNIT
4	1	PADZZ	5930-00-972-8439	11394	97913	SWITCH, ROTARY	EA 1
4	2	PADZZ	5910-00-808-5313	CM20D102J03	81349	CAPACITOR, FXD, MICA	EA 1
4	3	PADZZ	5905-00-141-1073	RCR20G564JS	81349	RESISTOR, FXD, CMPSN	EA 1
4	4	PADZZ	5935-00-678-9774	3303	97913	SOCKET, ELCTR N TUBE	EA 5
4	5	PADZZ	5910-00-577-3149	BB60101AW4X	71590	CAPACITOR, FXD, CER	EA 3
4	6	PADZZ	5905-00-192-0390	RC20G105J	81349	RESISTOR, FXD, CMPSN	EA 3
4	7	PADZZ	5961-00-752-5362	2N388	81349	TRANSISTOR	EA 1
4	8	XDDZZ		CCR100-1-5-4	14655	CAPACITOR, ELCTLT	EA 1
4	9	PADZZ	5905-00-254-7100	RC20GF913J	81349	RESISTOR, FXD, CMPSN	EA 1
4	10	PADZZ	5935-00-972-5464	46A13124	97913	SOCKET, ELCTR N TUBE	EA 2
4	11	PADZZ	5905-00-974-1774	3070020	94033	RESISTOR, VAR, CMPSN	EA 2
4	12	PADZZ	5910-00-683-3009	DA150-001CB	71590	CAPACITOR, FXD, CER	EA 2
4	13	PADZZ	5905-00-279-1866	RC20GF106K	81349	RESISTOR, FXD, CMPSN	EA 1
4	14	PADZZ	5960-00-296-3370	6088	81349	ELECTRON TUBE	EA 2
4	15	PADZZ	5910-00-583-1782	BBR2-150	14655	CAPACITOR, ELCTLT	EA 1
4	16	PADZZ	6130-00-682-9950	4U1	81483	RECTIFIER, SELENIUM	EA 3
4	17	PADZZ	6130-00-681-8503	61-5683	81483	RECTIFIER, SELENIUM	EA 2
4	18	PADZZ	5999-00-593-3805	1454	83330	CAP, ELECTRICAL	EA 1
4	19	PADZZ	5905-00-104-8332	RCR20G475JS	81349	RESISTOR, FXD, CMPSN	EA 1
4	20	PADZZ	5910-00-583-0717	BYA6D5L	71590	CAPACITOR, FXD, CER	EA 3
4	21	PADZZ	5960-00-188-6592	5962	81349	ELECTRON TUBE	EA 1
4	22	PADZZ	6665-00-676-6297	3131506	94988	RETAINER, TRANSISTOR	EA 5
4	23	PADZZ	5961-00-683-4182	2N526	04713	TRANSISOTR	EA 4
4	24	PADZZ	5905-00-249-3661	RC20GF683J	81349	RESISTOR, FXD, CMPSN	EA 1
4	25	PADZZ	5905-00-256-0409	RC20GF221K	81349	RESISTOR, FXD, CMPSN	EA 1
4	26	PADZZ	5905-00-195-6806	RC20GF102J	81349	RESISTOR, FXD, CMPSN	EA 1
4	27	PADZZ	5905-00-279-3497	RC20GF393J	81349	RESISTOR, FXD, CMPSN	EA 1
4	28	PADZZ	5905-00-171-2004	RC20GF223J	81349	RESISTOR, FXD, CMPSN	EA 2
4	29	PADZZ	5905-00-106-9344	RCR20G101JS	81349	RESISTOR, FXD, CMPSN	EA 1
4	30	PADZZ	5950-00-072-0827	11395	97913	TRANSFORMER, POWER	EA 1
4	31	PADZZ	5905-00-279-3499	RC20GF273J	81349	RESISTOR, FDXD, CMPSN	EA 2
4	32	PADZZ	6240-00-681-8561	NE80	08108	LAMP, GLOW	EA 1
4	33	PADZZ	5961-00-556-2091	IN270	81349	RECTIFIER, GERMANIUM	EA 1
4	34	PADZZ	5905-00-073-8701	3071505	97913	RESISTOR, VAR	EA 1
4	35	PADZZ	5905-00-190-8885	RC20GF225J	81349	RESISTOR, FXD, CMPSN	EA 1
4	36	PADZZ	5905-00-974-1773	3071507	80667	RESISTOR, VAR	EA 1
4	37	PADZZ	5905-00-688-4523	UPE65-5MEGD	71450	RESISTOR, VAR	EA 1
4	38	PADZZ	5905-00-688-4521	UPE65-500KD	71450	RESISTOR, VAR	EA 1
4	39	PADZZ	6130-00-504-1239	2T1	81483	RECTIFIER, SELENIUM	EA 1

(1) ILLUSTRATION (a) FIG NO.	(b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION USABLE ON CODE	(7) U\M	(8) QTY INC IN UNIT
4	40	PADZZ	5905-00-171-2000	RC20GF684J	81349	RESISTOR,FXD,CMPSN	EA	1
4	41	PADZZ	5905-00-114-5393	RCR20G224JS	81349	RESISTOR,FXD,CMPSN	EA	3
4	42	PADZZ	5935-00-222-0841	91MPF3S	02660	CONNECTOR,PLUG,ELEC	EA	1
4	43	PADZZ	5905-00-114-5489	RCR20G823JS	81349	RESISTOR,FXD,CMPSN	EA	1
4	44	XDDZZ		DA147-001B	71590	CAPACITOR,FXD,CER	EA	2
4	45	PADZZ	5905-00-192-9260	RC20GF154K	81349	RESISTOR,FXD,CMPSN	EA	1
4	46	PADZZ	5905-00-171-1985	RC20GF822K	81349	RESISTOR,FXD,CMPSN	EA	1
4	47	PADZZ	5905-00-069-4508	RN70D2493F	81349	RESISTOR,FXD,FILM	EA	1



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Figure 5. Radiac Detector DT-196/PDR-27J.



(1) ILLUSTRATION (a) FIG NO.	(b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION USABLE ON CODE	(7) U\M	(8) QTY INC IN UNIT
GROUP 02 RADIAC DETECTOR DT-196/PDR-27J								
5	1	PAHZZ	6665-00-675-9422	11355	94988	GUARD	EA	1
5	2	PAHZZ	6665-00-675-9419	11330	94988	LATCH, COVER	EA	1
5	3	PAHZZ	6665-00-675-9419	11330	94988	LATCH, COVER	EA	1
5	4	PAHZZ	5330-00-171-8622	212-8307	25184	PACKING, PREFORMED	EA	1
5	5	PAHZZ	5995-00-628-7297	11410	94988	CABLE ASSEMBLY	EA	1
5	6	PAHZZ	6665-00-632-9218	11412	94988	CABLE ASSEMBLY	EA	1
5	7	PAHZZ	5330-00-248-3840	MS29513-14	96906	PAKCING, PREFORMED	EA	1
5	8	PAHZZ	5960-00-542-6544	5980	81349	ELECTRON TUBE	EA	1
5	9	PAHZZ	6665-00-676-6330	11379	94988	HOLDER, TUBE	EA	1
5	10	PAHZZ	5960-00-686-9101	5979	81349	ELECTRON TUBE	EA	1

## NATIONAL STOCK NUMBER AND PART NUMBER INDEX

NOTE: LATEST NATIONAL STOCK NUMBER AND PART NUMBER ASSIGNMENTS ARE INCLUDED AT END OF INDEX

STOCK NUMBER	FIGURE NO.	ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.
6665-00-069-3031	2	14	5930-00-615-1383	2	8
5950-00-072-0827	4	30	5995-00-628-7297	5	5
5905-00-073-8701	4	34	6665-00-632-9218	5	6
5905-00-171-1985	4	46	5355-00-656-1275	2	1
5905-00-171-2000	4	40	5970-00-675-9392	3	3
5905-00-171-2004	4	28	6665-00-675-9401	3	1
5960-00-188-6592	4	21	6665-00-675-9415	2	4
5905-00-190-8885	4	35	6665-00-675-9419	5	3
5905-00-192-0390	4	6	6665-00-675-9422	5	1
5905-00-192-9260	4	45	6665-00-676-6297	4	22
5905-00-195-6806	4	26	6665-00-676-6330	5	9
5935-00-201-3511	2	10	5935-00-678-9774	4	4
5935-00-222-0841	4	42	6130-00-681-8503	4	17
5330-00-248-3840	5	7	6240-00-681-8561	4	32
5905-00-249-3661	4	24	6130-00-682-9950	4	16
5905-00-254-7100	4	9	5975-00-683-2152	3	5
5905-00-256-0409	4	25	5910-00-683-3009	4	12
5905-00-279-1866	4	13	6665-00-684-1533	1	2
5905-00-279-3497	4	27	5305-00-685-1799	2	2
5905-00-279-3499	4	31	5305-00-685-1800	2	6
5305-00-281-3118	2	9	5960-00-686-9101	2	10
5960-00-296-3370	4	14	5905-00-688-4521	4	38
6130-00-504-1239	4	39	5905-00-688-4523	4	37
5330-00-542-1752	2	16	5961-00-752-5362	4	7
5330-00-542-1753	3	4	5940-00-762-7498	2	5
5960-00-542-6544	5	8	6625-00-791-6046	5	2
5961-00-556-2091	4	33	5355-00-926-5504	2	15
5910-00-577-3149	4	5	5305-00-947-7033	2	3
5910-00-583-0717	4	20	5305-00-947-7033	3	2
5910-00-583-1782	4	15	5930-00-950-4541	2	7
5935-00-583-7985	2	17	5935-00-972-5464	4	10
5999-00-593-3805	4	18	5905-00-974-1773	4	36

PART NUMBER	FSCM	FIG NO	ITEM NO	PART NUMBER	FSCM	FIG NO	ITEM NO
BBR2-150	14655	4	15	11353	94988	5	2
BB60101AW4X	71590	4	5	11355	94988	5	1
BYA6D5L	71590	4	20	11364	94988	2	3
CCR100-1-5-4	14655	4	8	11364	94988	3	
CM20D102J03	81349	4	2	11365	97539	2	7
				11373	94988	3	3
	80058	1	1	11379	94988	5	9
DA147-001B	71590	4	44	11383	94988	2	2
DA150-001CB	71590	4	12	11394	97913	4	1
DT-196/PDR-27J	80058	1	2	11395	97913	4	30
H-43B/U	80058	1	4	11410	94988	5	5
1M177PDR27P	80058	1	3	11412	94988	5	6
MR36M201	81349	2	14	11414	94988	2	6
MS29513-14	96906	5	7	11416	80028	2	17
				1320048	70064	2	16
NE80	08108	4	32	1454	83330	4	18
CY2312/PDR-27L				2N388	81349	4	7
RC20GF102J	81349	4	26	2N526	04713	4	23
RC20GF106K	81349	4	13	2T1	81483	4	39
RC20GF154K	81349	4	45	30-1	81073	2	8
RC20GF221K	81349	4	25	3061503	94988	2	4
RC20GF223J	81349	4	28	3070020	94033	4	11
				3071505	97913	4	34
RC20GF225J	81349	4	35	3071507	80667	4	36
RC20GF273J	81349	4	31	3131506	94988	4	22
RC20GF393J	81349	4	27	3201505	94988	2	9
				3303	97913	4	4
				3651527	94988	2	1
RC20GF683J	81349	4	24	3651528	97913	2	15
RC20GF684J	81349	4	40	4U1	81483	4	16
RC20GF822K	81349	4	46	46A13124	97913	4	10
				521-11391	15249	2	13
RC20GF913J	81349	4	9	521-1320047	15249	3	
RC20G105J	81349	4	6	5962	81349	4	2
				5979	81349	5	10
UG290AU	81349	2	10	5980	81349	5	8
UPE65-5MEGD	71450	4	37	6088	81349	4	14
UPE65-500KD	71450	4	38	61-5683	81483	4	17
IN270	81349	4	33	8-140	71785	2	5
11319	94988	3	1	902-1	86579	2	11
11327	94988	3	5	902-1	86579	3	6
11330	94988	5	3	91MPF3S	02660	4	4

NATIONAL STOCK NUMBER AND PART NUMBER INDEX  
LATEST NATIONAL STOCK NUMBER ASSIGNMENTS

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
	NO.	NO.		NO.	NO.
5905-00-069-4508	4	47	6240-00-577-8456	2	12
6665-00-078-4179	1	3	5965-00-651-7372	1	4
5905-00-104-8332	4	19	5961-00-683-4182	4	23
5905-00-106-9344	4	29	5910-00-808-5313	4	2
5905-00-114-5393	4	41	5935-00-885-2264	2	18
5905-00-114-5489	4	43	5930-00-972-8439	4	1
5905-00-114-5489	4	3	5905-00-974-1774	4	11
5330-00-171-8622	5	4			

## LATEST PART NUMBER ASSIGNMENTS

PART NUMBER	FSCM	FIG	ITEM	PART NUMBER	FSCM	FIG	ITEM
		NO	NO			NO	NO
MILC39012-25	81349	2	18	RCR20G823JS	81349	4	43
RCR20G101JS	81349	4	29	RN70D2493F	81349	4	47
RCR20G224JS	81349	4	41	NE2E	08108	2	12
RCR20G475JS	81349	4	19	212-8307	25184	5	4
RCR20G564JS	81349	4	3				

By Order of the Secretary of the Army:

BERNARD W. ROGERS  
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RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL MANUALS



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

DATE 10 July 1975

PUBLICATION NUMBER

TM 11-5840-340-12

DATE

23 Jan 74

TITLE

Radar Set AN/SP-2-76

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.	
2-25	2-28			<p>Recommend that the installation antenna alignment procedure be changed through to specify a 2° IFF antenna lag rather than 1°.</p> <p>REASON: Experience has shown that with only a 1° lag, the antenna servo system is too sensitive to wind gusting in excess of 20 knots, and has a tendency to rapidly accelerate and decelerate as it hunts, causing strain to the drive train. Hunting is minimized by adjusting the lag to 2° without degradation of operation.</p>
3-10	3-3		3-1	<p>Item 5, Function column. Change "2 db" to "3db."</p> <p>REASON: The adjustment procedure for the TRANS POWER FAULT indicator calls for a 3 db (500 watts) adjustment to light the TRANS POWER FAULT indicator.</p>
5-6	5-8			<p>Add new step f.1 to read, "Replace cover plate removed in step e.1, above."</p> <p>REASON: To replace the cover plate.</p>
		FO3		<p>Zone C 3. On J1-2, change "+24 VDC to "+5 VDC."</p> <p>REASON: This is the output line of the 5 VDC power supply. + 24 VDC is the input voltage.</p>

TYPED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

SSG I. M. DeSpirito 999-1776

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DA FORM 1 AUG 74 2028-2 (TEST)

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*12 Dec 77*

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

PAGE NO.

PARA-GRAPH

FIGURE NO.

TABLE NO.

TEAR ALONG DOTTED LINE

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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

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

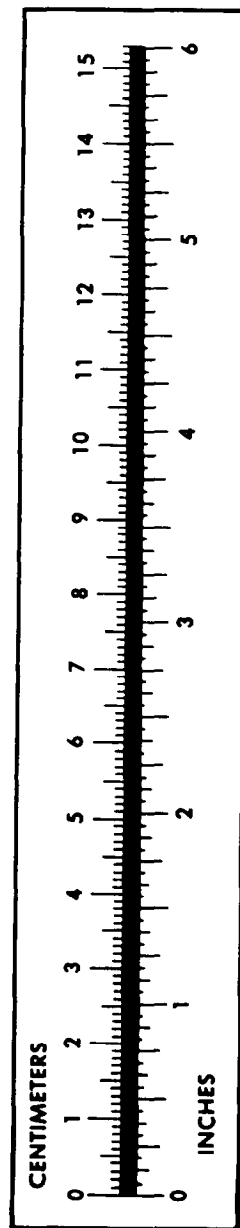
## TEMPERATURE

$5/9(^{\circ}\text{F} - 32) = ^{\circ}\text{C}$   
 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





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