

TECHNICAL MANUAL

ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE

REPAIR PARTS AND SPECIAL TOOLS LISTS

(INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)

FOR

**POWER SUPPLY PP-4606A/G
(NSN 6130-00-504-0327)**

HEADQUARTERS, DEPARTMENT OF THE ARMY

28 NOVEMBER 1977

TECHNICAL MANUAL }
No. 11-6130-243-24P-1 }

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, 28 November 1977

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FOR
POWER SUPPLY PP-4606A/G
(NSN 6130-00-504-0327)**

Current as of 23 August 1977

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*This manual supersedes so much of TM 11-6130-243-12-1, 9 October 1967 and TM 11-6130-243-35-1, 9 November 1967, as pertains to repair parts and special tools list.

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, direct support, and general support maintenance of the PP-4606A/G. 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:

Code	Definition
PA —	Item procured and stocked for anticipated or known usage.
X D —	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
O —	Support item is removed, replaced, used at the organizational level.
H —	Support item is removed, replaced, used at the general 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
H —	The lowest maintenance level capable of complete repair of the support item is the general 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.
H —	Reparable item. When uneconomically repairable, condemn and dispose at the general support 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,

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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

The following publications pertain to the PP-4606A/G and its components

TM 11-6130-243-12-1, Power Supply PP-4606A/G

TM 11-6130-243-35-1, Power Supply PP-4606A/G

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.

(Next printed page is 4.)

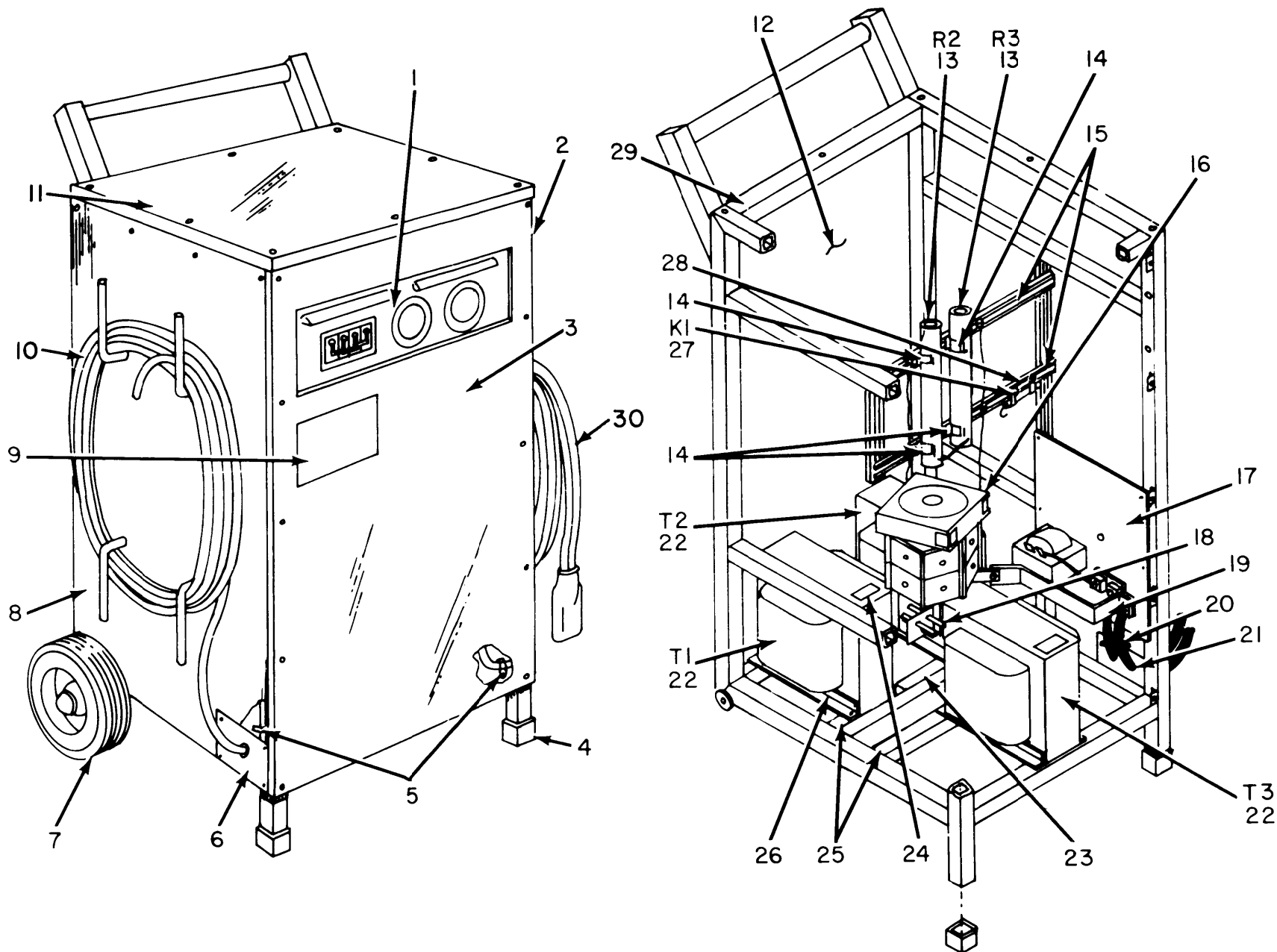


Figure 1. Power Supply PP-4606A/G.

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SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TM 11-6130-243-24P-1 (6)	(7)		(8)
FIG NO.	ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	U/M	QTY INC IN UNIT
GROUP 00 POWER SUPPLY PP-4606A/G									
1	1	XDHHH		10041	23330	ASSEMBLY,PANEL,INS		EA	1
1	2	XDHZZ		31400135-2	23330	COVER,SIDE,RH		EA	1
1	3	XDHZZ		31400110	23330	COVER,FRONT		EA	1
1	4	XDHZZ		10060	23330	FOOT		EA	2
1	5	PAHZZ	5975-00-296-6086	3304	59730	CLAMP		EA	2
1	6	XDHZZ		21400134	23330	CABLE,PLATE		EA	1
1	7	XDHZZ		12500014	23330	WHEEL		EA	2
1	8	XDHZZ		31400135-1	23330	COVER,SIDE,LH		EA	1
1	9	XDHZZ		16900008	23330	PLATE,IDENT		EA	1
1	10	PAOZZ	6150-00-642-7561	AN2551D20	88044	CABLE ASSY,POWER		EA	1
1	11	XDHZZ		31400106	23330	TOP,COVER		EA	1
1	12	XDHZZ		31400136	23330	COVER,READ		EA	1
1	13	XDHZZ		VK200W	12697	RESISTOR		EA	2
1	14	XDHZZ		6021-18A	91506	CLIP,COMPONENT		EA	4
1	15	XDHZZ		11400156	23330	SUPPORT,RESISTOR		EA	2
1	16	XDHHH		10016	23330	HEAT SINK ASY		EA	1
1	17	XDHHH		10042	23330	ASSEMBLY,CMPNT PL		EA	1
1	18	XDHZZ		13100004	23330	SEPARATOR,WIRE		EA	1
1	19	XDHZZ		21400147	23330	BUS,DC RET		EA	1
1	20	PAHZZ	5975-00-518-1908	3303	59730	CLAMP		EA	1
1	21	XDHZZ		21400133	23330	CABLE,PLATE		EA	1
1	22	XDHZZ		10022	23330	TRANSFORMER		EA	3
1	23	XDHZZ		21400140	23330	BRACKET		EA	1
1	24	XDHZZ		13100008	23330	STRIP,MARKER		EA	1
1	25	XDHZZ		11400126	23330	SUPPORT		EA	2
1	26	XDHZZ		11400154	23330	BRACKET		EA	1
1	27	XDHZZ		10062	23330	RELAY,OVERLOAD		EA	1
1	28	XDHZZ		13100006	23330	INSULATOR		EA	1
1	29	XDHZZ		41400103	23330	FRAME ASSEMBLY		EA	1
1	30	PAOZZ	6145-00-643-0030	C004HGF-10-07	81349	CABLE		EA	1

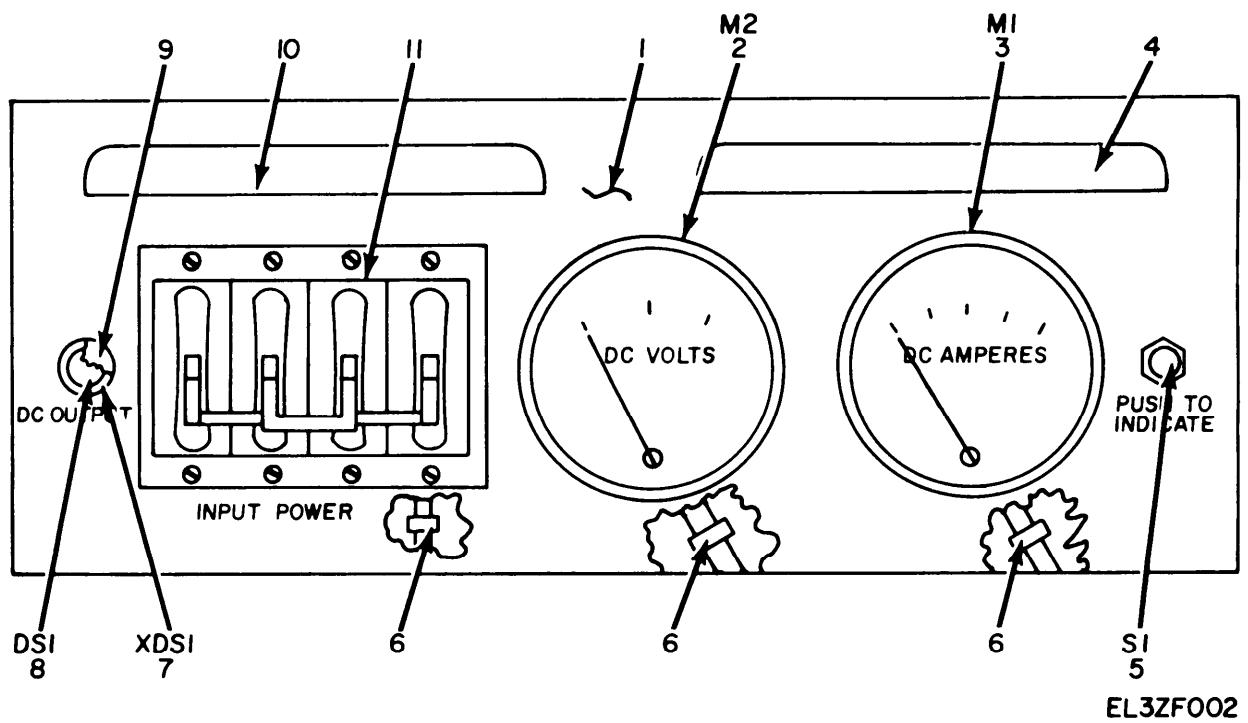
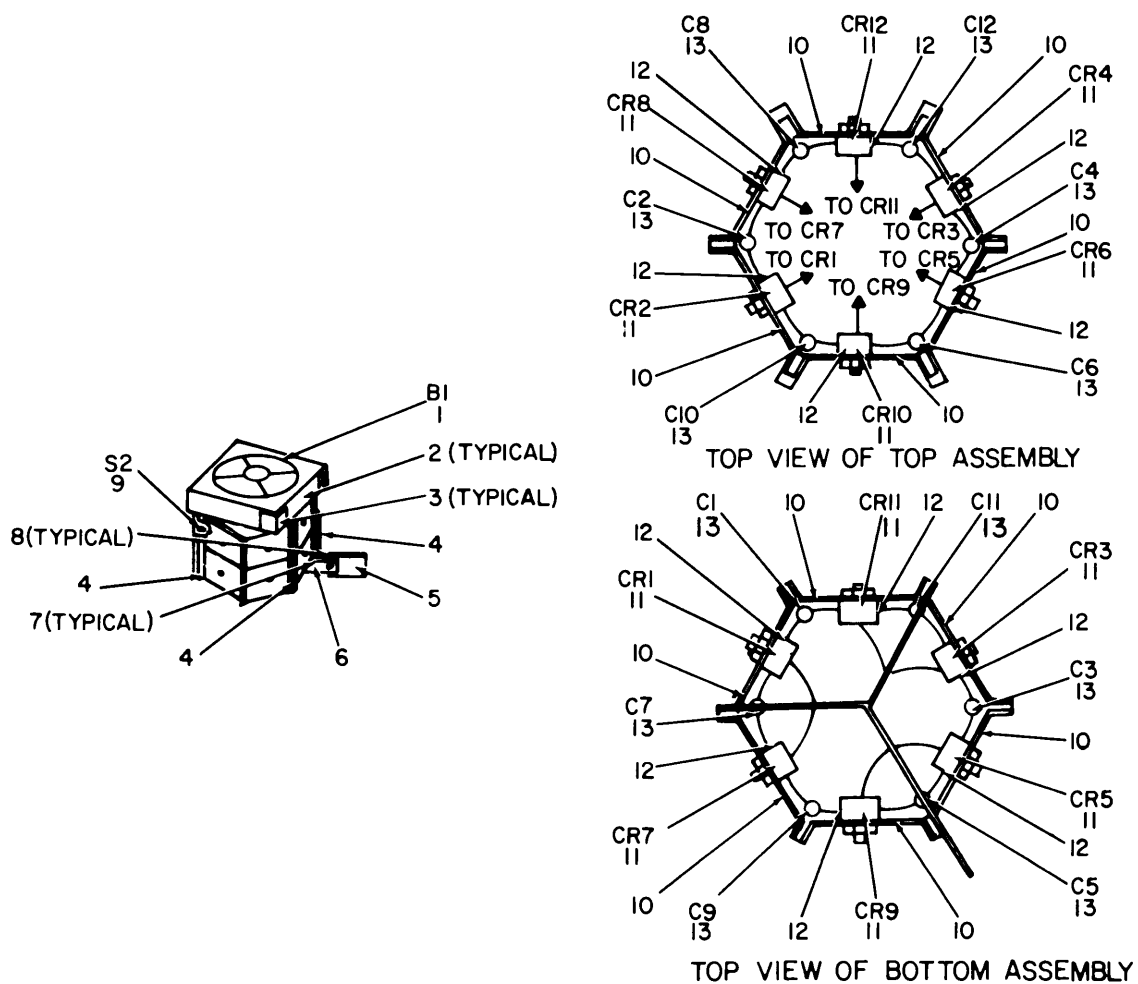


Figure 2. Power Supply PP-4606A/G, Front Panel.

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TM 11-6130-243-24P-1 (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	1	XDHZZ		31400104	23330	PANEL		EA	1
2	2	PAHZZ	6625-00-580-5877	MR36W040DCVVR	77221	VOLTMETER		EA	1
2	3	PAHZZ	6625-00-580-8321	MR36W30DCAAR	77221	AMMETER		EA	1
2	4	PAHZZ	5975-00-682-0306	NC3030	97539	COVER		EA	1
2	5	PAHZZ	5930-00-501-0103	3392AE	04009	SWITCH, PUSH BTN		EA	1
2	6	XDHZZ		834	83330	CLAMP		EA	3
2	7	PAHZZ	6210-00-845-7281	81-0410-0111-201	72619	INDICATOR		EA	1
2	8	PAOZZ	6240-00-155-8714	MS25231-313	96906	LAMP		EA	1
2	9	XDHZZ		8001	09922	PACKING, PREFORMED		EA	1
2	10	XDHZZ		13100009	23330	COVER		EA	1
2	11	XDHZZ		10061	23330	ASSEMBLY, CB		EA	1



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Figure 3. Power Supply PP-4606A/G, Diode and Heat Sink Assemblies.

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TM 11-6130-243-24P-1 (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	1	XDHZZ		100CFM200AC5060	82877	FAN, SENTINEL			EA	1
3	2	XDHZZ		11400117	23330	FAN, SUPPORT			EA	4
3	3	XDHZZ		11400146	23330	CLIP, BUS			EA	4
3	4	XDHZZ		11400113	23330	HEAT SINK, SUPPORT			EA	3
3	5	XDHZZ		21400123	23330	BUS BAR, LONG			EA	1
3	6	XDHZZ		21400124	23330	BUS BAR, SHORT			EA	1
3	7	XDHZZ		11400115	23330	INSULATOR, SHORT			EA	3
3	8	XDHZZ		11400116	23330	INSULATOR, LONG			EA	3
3	9	XDHZZ		15100052	23330	SWITCH, THERMAL			EA	1
3	10	XDHZZ		21400118	23330	PLATE, HEAT SINK			EA	12
3	11	PAHZZ	5961-00-460-4996	1N1183A	02735	SEMICONDUCTOR, DIODE			EA	12
3	12	XDHZZ		11400129	23330	HEAT SINK			EA	12
3	13	XDHZZ		ZD2X205	12406	CAPACITOR			EA	12

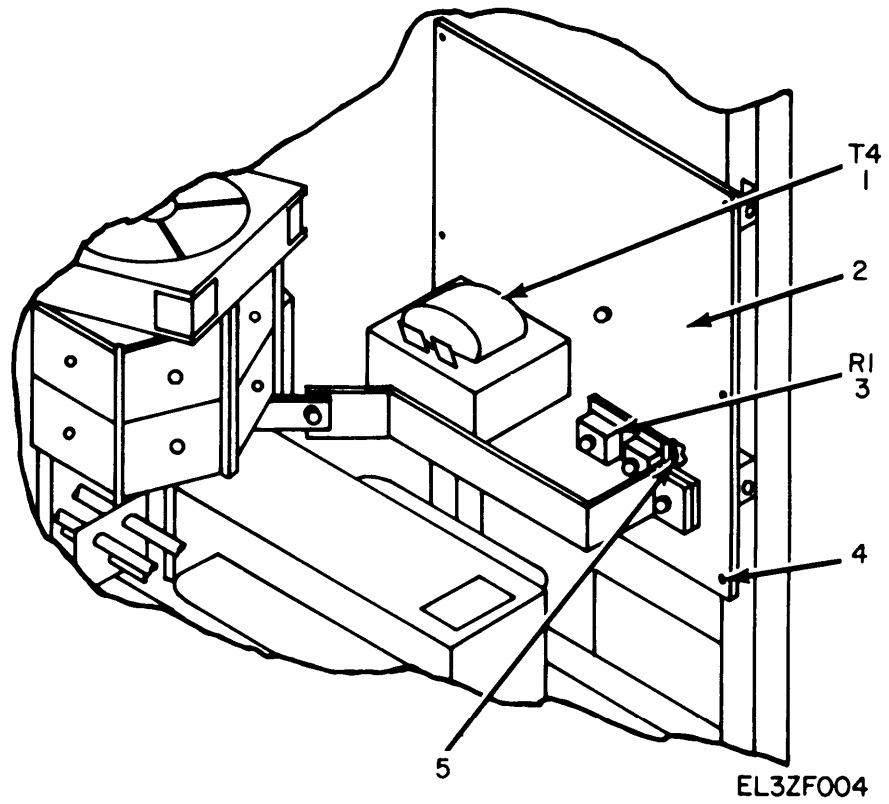


Figure 4. Power Supply PP-4606A/G, Component Plate Assembly.

SECTION II						TM 11-6130-243-24P-1			
(1)	(2)	(3)	(4)	(5)	(6)			(7)	(8)
ILLUSTRATION									
(A)	(B)								
FIG	ITEM	SMR	NATIONAL	PART	DESCRIPTION				QTY
NO.	NO.	CODE	STOCK	NUMBER	FSCM				INC
			NUMBER			USABLE	ON CODE	U/M	IN
									UNIT
4	1	XDHZZ		10043	23330	TRANSFORMER		EA	1
4	2	XDHZZ		31400138	23330	PLATE		EA	1
4	3	XDHZZ		8200-300	91812	SHUNT		EA	1
4	4	PAHZZ	5310-00-208-2709	CL832-2	46384	NUT		EA	8
4	5	XDHZZ		13100002	23330	INSULATOR		EA	1

SECTION IV

TM 11-6130-243-24P-1

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

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

STOCK NUMBER	FIGURE NO.	ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.
6240-00-155-8714	2	8	6625-00-580-52		2
5310-00-208-2709	4	4	6625-00-580-82		3
5975-00-296-6086	1	5	6150-00-642-71		10
5961-00-460-4996	3	11	5975-00-682-02		4
5930-00-501-0103	2	5	6210-00-845-72		7
5975-00-518-1908	1	20			

PART NUMBER	FIG. FSCM	ITEM NO.	PART NO.	FIG. NUMBER	ITEM FSCM	NO.	NO.
AN2551D20	88044	1	10	13100004	23330	1	18
CL832-2	46384	4	4	13100006	23330	1	28
MR36W040DCVVR	77221	2	2	13100008	23330	1	24
MR36W30DCAAR	77221	2	3	13100009	23330	2	10
MS25231-313	96906	2	8	15100052	23330	3	9
NC3030	97539	2	4	16900008	23330	1	9
VK200W	12697	1	13	21400118	23330	3	10
ZD2X205	12406	3	13	21400123	23330	3	5
1N1183A	2735	3	11	21400124	23330	3	6
100CFM200AC5060	82877	3	1	21400133	23330	1	21
10016	23330	1	16	21400134	23330	1	6
10022	23330	1	22	21400140	23330	1	23
10041	23330	1	1	21400147	23330	1	19
10042	23330	1	17	31400104	23330	2	1
10043	23330	4	1	31400106	23330	1	11
10060	23330	1	4	31400110	23330	1	3
10061	23330	2	11	31400135-1	23330	1	8
10062	23330	1	27	31400135-2	23330	1	2
11400113	23330	3	4	31400136	23330	1	12
11400115	23330	3	7	31400138	23330	4	2
11400116	23330	3	8	3303	59730	1	20
11400117	23330	3	2	3304	58730	1	5
11400126	23330	1	25	3392AE	4009	2	5
11400129	23330	3	12	41400103	23330	1	29
11400146	23330	3	3	6021-18A	91506	1	14
11400154	23330	1	26	8001	9922	2	9
11400156	23330	1	15	81-0410-0111-201	72619	2	7
12500014	23330	1	7	8200-300	91812	4	3
13100002	23330	4	5	834	83330	2	6

LATEST NATIONAL STOCK NUMBER ASSIGNMENT

STOCK NUMBER	FIG. NO.	ITEM NO.
6145-00-643-0030	1	30

LATEST PART NUMBER ASSIGNMENT

PART NUMBER	FIG. FSCM	ITEM NO.	NO.
C004HGF-10-07	81349	1	30

By Order of the Secretary of the Army:

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Chief of Staff

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23 Jan 74

TITLE

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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		
------	------	--	--

Recommend that the installation antenna alignment procedure be changed throughout to specify a 2° IFF antenna lag rather than 1°.

REASON: Experience has shown that with only a 1° lag, the antenna servo system is too sensitive to wind gusting in excess of 25 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.

3-10	3-3		
------	-----	--	--

		3-1	
--	--	-----	--

Item 5, Functions column. Change "2 db" to "3db."

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.

5-6	5-8		
-----	-----	--	--

Add new step f.1 to read, "Replace cover plate removed in step e.1, above."

REASON: To replace the cover plate.

		FO3	
--	--	-----	--

Zone C 3. On J1-2, change "+24 VDC to "+5 VDC."

REASON: This is the output line of the 5 VDC power supply. + 24 VDC is the input voltage.

TYPED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

SSG I. M. DeSpirito 999-1776

SIGN HERE:

SSG I. M. DeSpirito

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1 AUG 74

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