

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-4606/G
(NSN 6130-00-504-0327)**

HEADQUARTERS, DEPARTMENT OF THE ARMY

14 NOVEMBER 1977

<p>This publication has been printed by the UNITED STATES ARMY PUBLICATIONS CENTER, ST. LOUIS, MISSOURI, to meet your needs on a timely basis, and to reduce the overall cost of the Army printing program.</p>

TECHNICAL MANUAL }
NO. 11-6130-243 24P }

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, 14 November 1977

**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-4606/G
(NSN 6130-00-504-0327)**

Current as of 6 August 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, New Jersey 07703.

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

Table of Contents

	Page	Illus Figure
SECTION I. Introduction	1	
11. Repair parts list	5	
Group 00 Power Supply PP-4606/G	5	1-5
Section III. Special tools list (Not applicable)		
IV. National stock number and part number index	14	

*This manual supersedes TM 11-6130-243-25P, 19 January 1967.

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-4606/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 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.
------	---

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 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

TM 11-6130-243-24P

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

The following publications pertain to the PP-

4606/G and its components:

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

TM 11-6130-243-35, Power Supply PP-4606/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 fictional 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.

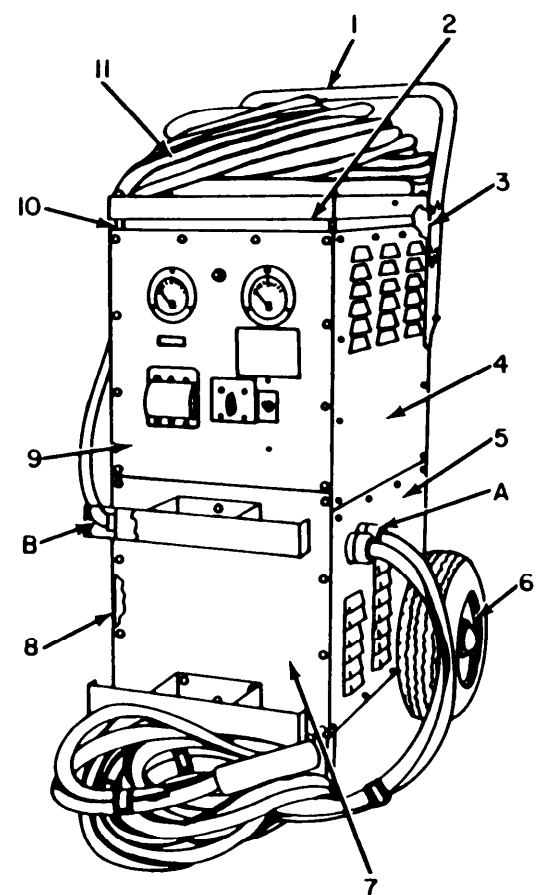
(1) *First.* Using the Index of National Stock Numbers and Part Numbers, find the pertinent National stock number or part number. This index is in NIIN sequence followed by a list of part numbers in alphameric sequence, cross-referenced to the illustration figure number and item number.

(2) *Second.* After finding the figure and item number, locate the figure and item number in the repair parts list.

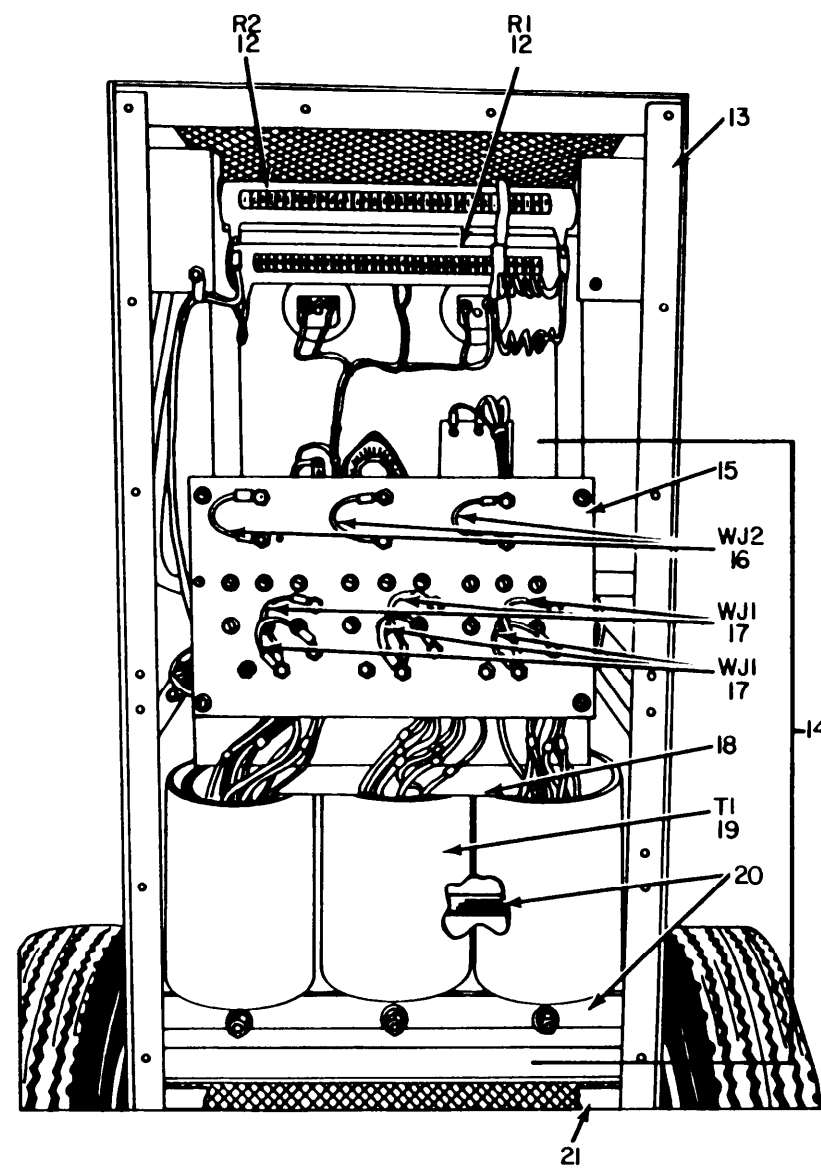
6. Abbreviations

Not applicable.

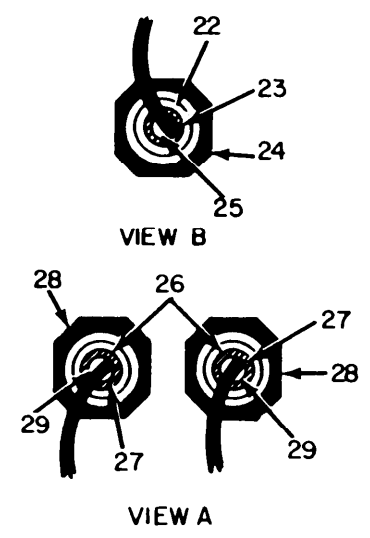
(Next printed page is 4)



FRONT VIEW



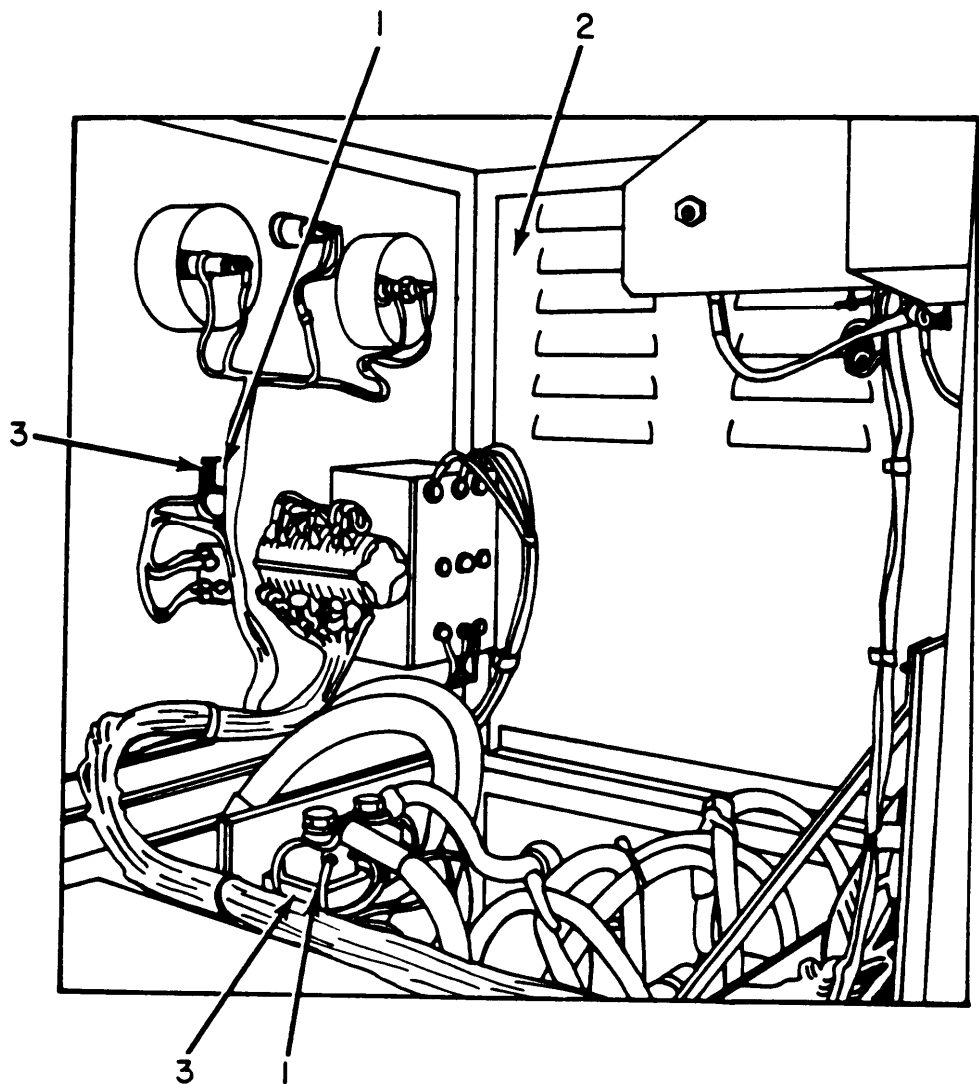
REAR VIEW (INSIDE)



EL3ZD001

Figure 1. Power Supply PP-4606/G.

SECTION II (1) ILLUSTRATION (A) FIG NO.		(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	TM11-6130-243-24P (6) DESCRIPTION	(7) USABLE ON CODE U/M		(8) QTY INC IN UNIT
						GROUP 00 POWER SUPPLY PP-4606/G			
1	1	XDHZZ		02637-2	00062	HANDLE	EA	1	
1	2	XDHZZ		D2637-1	00062	SHIELD, DRIP	EA	1	
1	3	XDHZZ		D2634-3	00062	PANEL, REAR, UP	EA	1	
1	4	XDHZZ		D2711-3	00062	PANEL, SIDE, UP, RH	EA	1	
1	5	XDHZZ		D2711-4	00062	PANEL, SIDE, LWR, RH	EA	1	
1	6	XDHZZ		641GAL	52793	ASSEMBLY, WHEEL	EA	2	
1	7	XDHZZ		D2634-2	00062	PANEL, FRONT, LWR	EA	1	
1	8	XDHZZ		D2711-2	00062	PANEL, SIDE, LWR, LH	EA	1	
1	9	XDHZZ		D2693	00062	ASSEMBLY, PANEL, IND	EA	1	
1	10	XDHZZ		9766SS1032-7	06540	STUD, EXTENSION	EA	4	
1	11	PAOZZ	6150-00-642-7561	AN2551D20	88044	CABLE ASSY, PWR, ELEC	EA	1	
1	12	PAHZZ	5905-00-937-2064	200A3ROK	63743	RESISTOR, ADJ	EA	2	
1	13	XDHZZ		F2713	00062	FRAME, ENCLOSURE	EA	1	
1	14	XDHZZ		C2639	00062	ASSEMBLY, XFMR	EA	1	
1	15	PAHZZ	5940-00-933-4872	C2712-1	00062	TERMINAL BOARD	EA	1	
1	16	XDHZZ		C2712-4	00062	WIRE, LINK	EA	3	
1	17	XDHZZ		C2712-3	00062	WIRE, LINK	EA	6	
1	18	XDHZZ		C2712-2	00062	BAR, WYE	EA	1	
1	19	XDHZZ		T1795	00062	TRANSFORMER, STPDN	EA	1	
1	20	XDHZZ		C2639-1	00062	BRACKET, MTG	EA	2	
1	21	XDHZZ		10369	00062	SPINDLE	EA	2	
1	22	XDHZZ		2545	59730	BUSHING, STRAIN, REL	EA	1	
1	23	XDHZZ		5264	59730	PACKING, PREFORM	EA	1	
1	24	PAHZZ	5975-00-714-8031	143	59730	LOCKNUT, CONDUIT	EA	1	
1	25	XDHZZ		224	59730	BUSHING, CONDUIT	EA	1	
1	26	XDHZZ		2558	59730	BUSHING, STRAIN, REL	EA	2	
1	27	XDHZZ		2565	59730	PACKING, PREFORM	EA	2	
1	28	PAHZZ	5975-00-642-7265	144	59730	LOCKNUT, CONDUIT	EA	2	
1	29	XDHZZ		225	59730	BUSHING, CONDUIT	EA	2	



EL3ZD002

Figure 2. Power Supply PP-4606/G, Interior Side View.

SECTION II						TM11-6130-243-24P			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		
ILLUSTRATION									
(A)	(B)								
FIG	ITEM	SMR	NATIONAL	PART	DESCRIPTION				QTY
NO.	NO.	CODE	STOCK	NUMBER	FSCM	USABLE ON CODE	U/M	IN	INC
			NUMBER					UNIT	
2	1	XDHZZ		C2667-1	00062	BOARD, TERMINAL	EA	2	
2	2	XDHZZ		D2711-1	00062	PANEL, SIDE, UP, LH	EA	1	
2	3	XDHZZ		C2667-2	00062	NEOPRENE, SQUARE	EA	2	

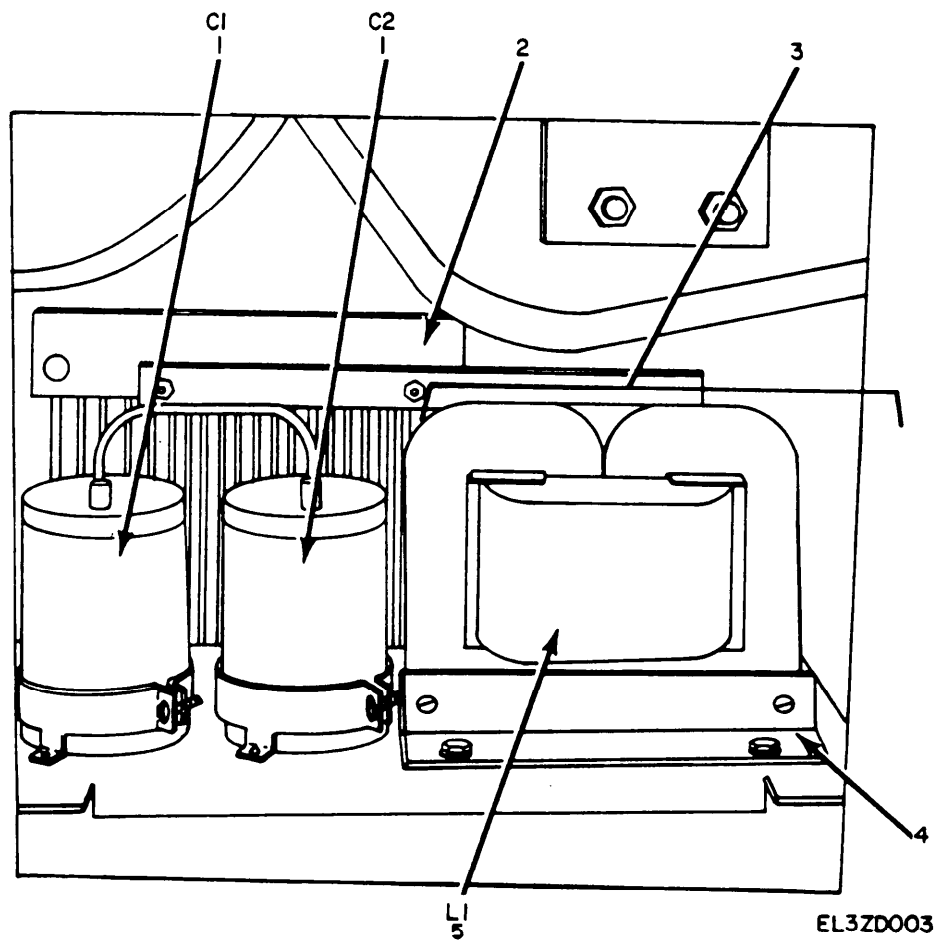


Figure 3. Power Supply PP-4606/G, Interior Front View.

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TM11-6130-243-24P (6)	(7)	(8)
FIG NO.	(B) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
3	1	PAHZZ	5910-00-905-2841	CG14U50F1	37942	CAPACITOR,FX0	EA	2
3	2	XDHHH		D2714	00062	ASSEMBLY, SEMICON	EA	1
3	3	XDHHH		C2638	00062	CHOKE ASSEMBLY	EA	1
3	4	XDHZZ		C2638-1	00062	BRACKET,MTG	EA	2
3	5	XDHZZ		T1796	00062	REACTOR	EA	1

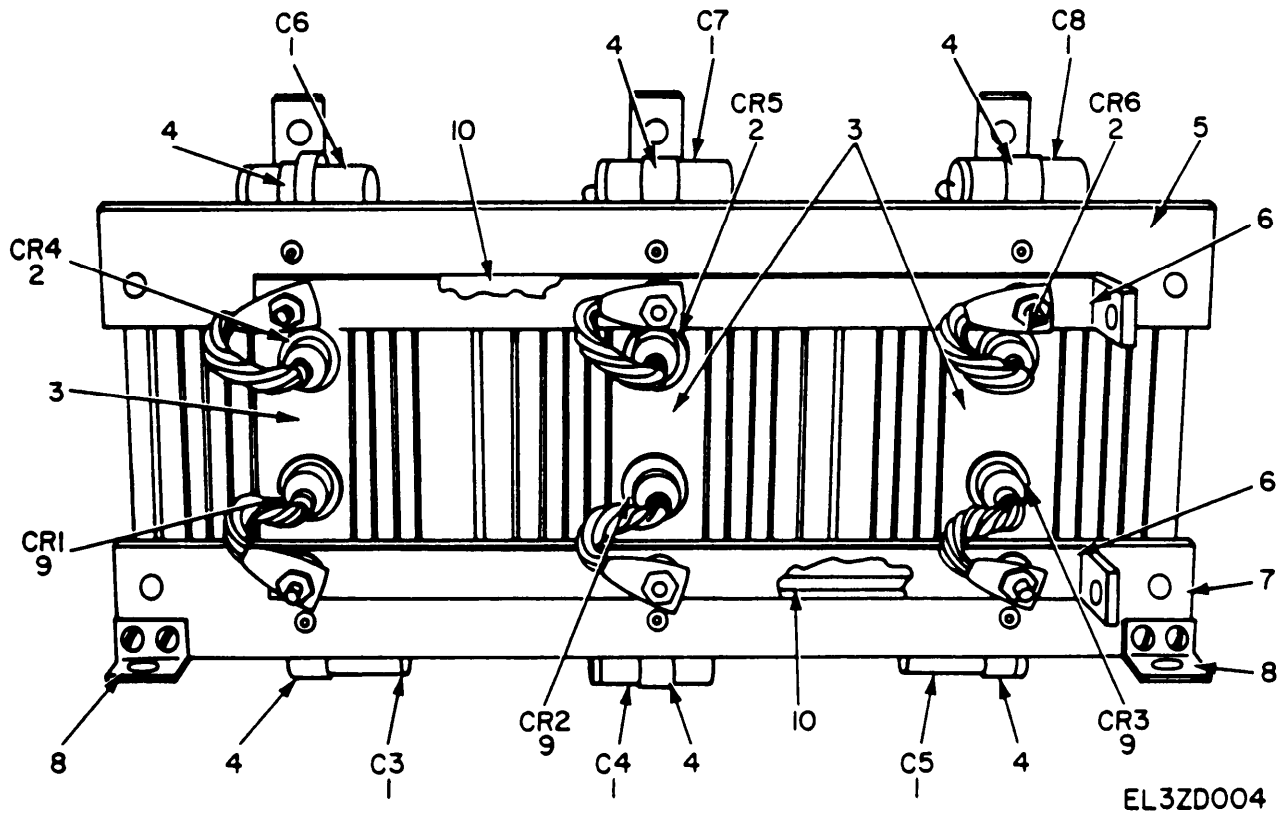
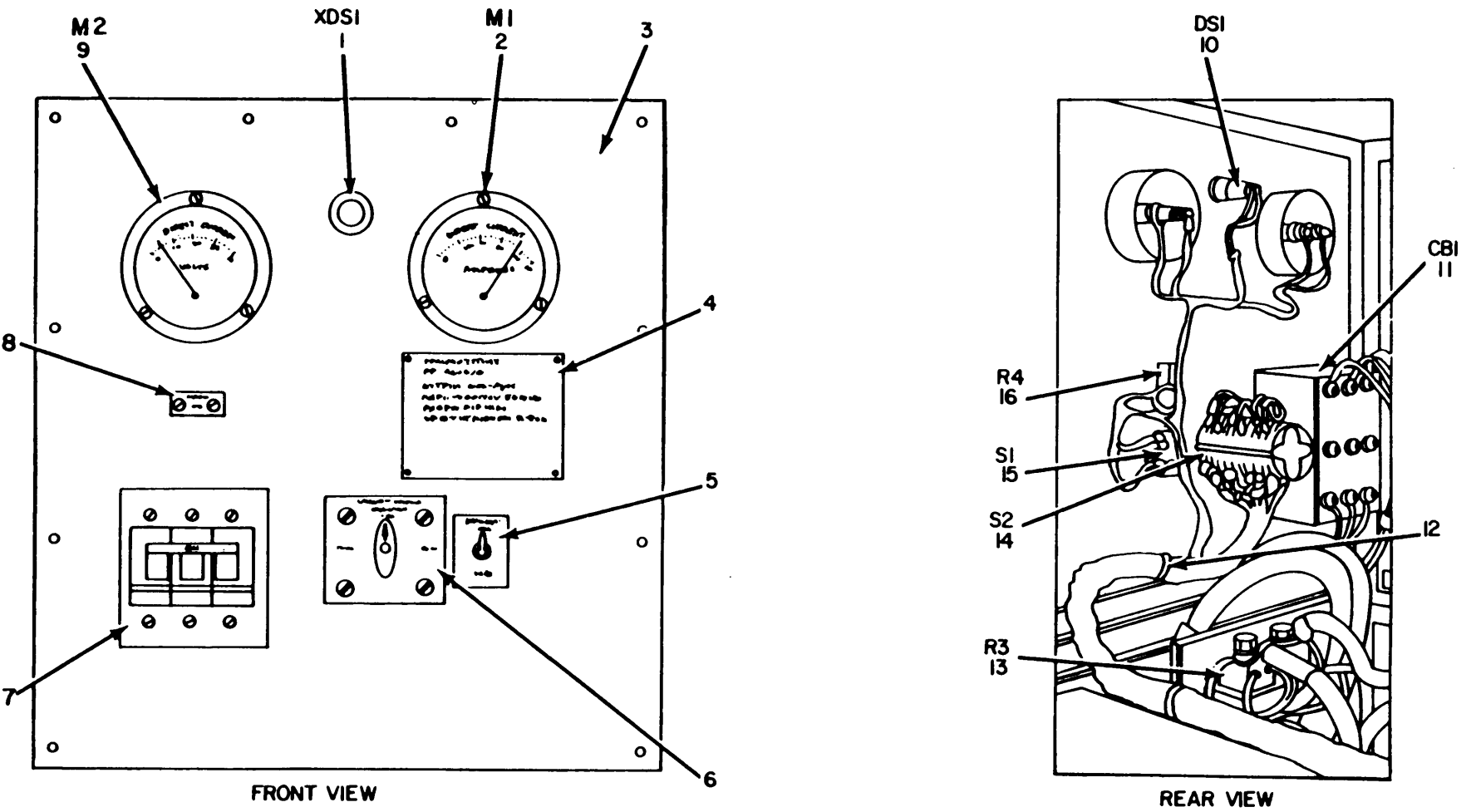


Figure 4. Power Supply PP-4606/G, Heat Sink Assembly.

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TM11-6130-243-24P (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
4	1	PAHZZ	5910-00-843-7597	WMF1W2	14655	CAPACITOR,FXD,PLSTC			EA	6
4	2	XDHZZ		1N4587R	05277	SEMICONDUCTOR,DIODE			EA	3
4	3	XDHZZ		C2686	00062	HEAT SINK			EA	3
4	4	XDHZZ		WC7-8-6	83330	CLAMP,LOOP			EA	6
4	5	XDHZZ		D2714-1	00062	BOARD,MTG,UPPER			EA	1
4	6	XDHZZ		D2714-4	00062	BRACKET,ANGLE			EA	2
4	7	XDHZZ		D2714-2	00062	BOARD,MTG,LOWER			EA	1
4	8	XDHZZ		D2714-5	00062	BRACKET,ANGLE			EA	2
4	9	XDHZZ		1N4587	05277	SEMICONDUCTOR,DIODE			EA	3
4	10	XDHZZ		D2714-3	00062	BUS BAR			EA	2



EL3ZD005

Figure 5. Power Supply PP-4606/G, Indicator Panel Assembly.

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TM11-6130-243-24P (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
5	1	PAHZZ	6210-00-926-6991	135-408-1431	72619	LIGHT, INDICATOR			EA	1
5	2	PAHZZ	6625-00-933-8597	350PRC0300ADC	11707	AMMETER			EA	1
5	3	XDHZZ		D2729	00062	PANEL, INDICATOR			EA	1
5	4	XDHZZ		C2661-1	00062	PLATE, IDENT			EA	1
5	5	XDHZZ		C2661-2	00062	PLATE, IDENT			EA	1
5	6	XDHZZ		C2661-3	00062	PLATE, IDENT			EA	1
5	7	XDHZZ		C2641-4	00062	PLATE, IDENT			EA	1
5	8	XDHZZ		C2661-6	00062	PLATE, IDENT			EA	1
5	9	PAHZZ	6625-00-919-5171	350PRC0-40VDC	11707	VOLTMETER			EA	1
5	10	PAOZZ	6240-00-223-9100	ME-51	08108	LAMP, INCANDESCENT			EA	1
5	11	XDHZZ		C03A7	74193	CIRCUIT BREAKER			EA	1
5	12	XDHZZ		52	82241	STRIP, TIE			EA	1
5	13	PAHZZ	6625-00-166-1005	MS8301	81349	SHUNT, INST			EA	1
5	14	XDHZZ		SM1365E	82121	SWITCH, ROTARY			EA	1
5	15	PAHZZ	5930-00-655-1521	MS35058-29	96906	SWITCH, TOGGLE			EA	1
5	16	PAHZZ	5905-00-994-7135	RW69V470	81349	RESISTOR, FXD, WW			EA	1

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

STOCK NUMBER	FIG. NO.	ITEM NO.	STOCK NUMBER	FIG. NO.	ITEM NO.		
6625-00-166-1005	5	13	5910-00-905-2841	3	1		
6240-00-223-9100	5	10	6625-00-919-5171	5	9		
5975-00-642-7265	1	28	6210-00-926-6991	5	1		
6150-00-642-7561	1	11	5940-00-933-4872	1	15		
5975-00-714-8031	1	24	6625-00-933-8597	5	2		
PART NUMBER	FSCM	FIG. NO.	ITEM NO.	PART NUMBER	FSCM	FIG. NO.	ITEM NO.
AN2551D20	88044	1	11	D2714-3	62	4	10
CG14U50F1	37942	3	1	D2714-4	62	4	6
C03A7	74193	5	11	D2714-5	62	4	8
C2638	62	3	3	D2729	62	5	3
C2638-1	62	3	4	F2713	62	1	13
C2639	62	1	14	MSB301	81349	5	13
C2639-1	62	1	20	NE-51	8108	5	10
C2661-1	62	5	4	SN1365E	82121	5	14
C2661-2	62	5	5				
C2661-3	62	5	6	T1795	62	1	19
C2661-4	62	5	7	T1796	62	3	5
C2661-5	62	5	8	WC7-8-6	83330	4	4
C2667-1	62	2	1	WMF1W2	14655	4	1
C2667-2	62	2	3	1N4587	5277	4	9
C2686	62	4	3	1N4587R	5277	4	2
C2712-1	62	1	15				
C2712-2	62	1	18	10369	62	1	21
C2712-3	62	1	17	135-408-1431	72619	5	1
C2712-4	62	1	16	143	59730	1	24
D2634-2	62	1	7	144	59730	1	28
D2634-3	62	1	3	224	59730	1	25
D2637-1	62	1	2	225	59730	1	29
D2637-2	62	1	1	2545	59730	1	22
D2693	62	1	9	2558	59730	1	26
D2711-1	62	2	2	2565	59730	1	27
D2711-2	62	1	8	350PRC0-300ADC	11707	5	2
D2711-3	62	1	4	350PRC0-40VDC	11707	5	9
D2711-4	62	1	5	52	82241	5	12
D2714	62	3	2	5264	59730	1	23
D2714-1	62	4	5	641GAL	52793	1	6
D2714-2	62	4	7	9766SS1032-7	6540	1	10
LATEST NATIONAL STOCK NUMBER ASSIGNMENTS							
STOCK NUMBER	FIG. NO.	ITEM NO.					
5930-00-655-1521	5	15					
5910-00-843-7597	4	1					
5905-00-937-2064	1	12					
5905-00-994-7135	5	16					
LATEST PART NUMBER ASSIGNMENTS							
PART NUMBER	FSCM	FIG. NO.	ITEM NO.				
MS35058-29	96906	5	15				
RW69V470	81349	5	16				
200A3R0K	63743	1	12				

By Order of the Secretary of the Army:

BERNARD W. ROGERS
General United States Army
Chief of Staff

Official:

J. C. PENNINGTON
Brigadier General, United States Army
The Adjutant General

Distribution:

To be distributed in accordance with DA 12-31 Organizational Maintenance requirement for All Rotor Wing Aircrafts.

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL MANUALS



SOMETHING WRONG WITH THIS MANUAL?

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

FROM: (YOUR UNIT'S COMPLETE ADDRESS)

Commander
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/P-3-76

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

Recommend that the installation antenna alignment procedure be changed through 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 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.

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

3-1 Item 5, Function 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

DA FORM 2028-2 (TEST)

P.S.--IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR MANUAL "FIND," MAKE A CARBON COPY OF THIS AND GIVE IT TO YOUR HEADQUARTERS.

HISA 1686-75

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL MANUALS



SOMETHING WRONG WITH THIS MANUAL?

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

FROM: (YOUR UNIT'S COMPLETE ADDRESS)

DATE

PUBLICATION NUMBER

TM 11-6130-243-24F

DATE

24 Nov 77

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 DOTTED LINE

TYPED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

SIGN HERE:

DA FORM 2028-2 (TEST)

P.S.--IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR MANUAL "FIND," MAKE
A CARBON COPY OF THIS AND GIVE IT TO YOUR HEADQUARTERS.

FILL IN YOUR
UNIT'S ADDRESS

FOLD BACK

DEPARTMENT OF THE ARMY

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
DEPARTMENT OF THE ARMY
DDO-314



Commander
US Army Electronics Command
ATTN: DRSEL-MA-Q
Fort Monmouth, New Jersey 07703

TEAR ALONG DOTTED LINE

FOLD BACK

This fine document...

Was brought to you by me:



[Liberated Manuals -- free army and government manuals](#)

Why do I do it? I am tired of sleazy CD-ROM sellers, who take publicly available information, slap “watermarks” and other junk on it, and sell it. Those masters of search engine manipulation make sure that their sites that sell free information, come up first in search engines. They did not create it... They did not even scan it... Why should they get your money? Why are not letting you give those free manuals to your friends?

I am setting this document FREE. This document was made by the US Government and is NOT protected by Copyright. Feel free to share, republish, sell and so on.

I am not asking you for donations, fees or handouts. If you can, please provide a link to liberatedmanuals.com, so that free manuals come up first in search engines:

<A HREF=<http://www.liberatedmanuals.com/>>Free Military and Government Manuals

- Sincerely
Igor Chudov
<http://igor.chudov.com/>
- [Chicago Machinery Movers](#)