

**TECHNICAL MANUAL**

**ORGANIZATIONAL, DIRECT SUPPORT,**

**AND GENERAL SUPPORT**

**MAINTENANCE REPAIR PARTS**

**AND SPECIAL TOOLS LISTS**

**(INCLUDING DEPOT MAINTENANCE REPAIR**

**PARTS AND SPECIAL TOOLS)**

**FOR**

**CHARGES, BATTERY**

**PP-1659/G AND**

**PP-1659A/G**

**(NSN 6130-00-985-8185)**

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**HEADQUARTERS, DEPARTMENT OF THE ARMY**  
**10 JANUARY 1978**

TECHNICAL MANUAL  
 No. 11-6130-238-24P

HEADQUARTERS  
 DEPARTMENT OF THE ARMY  
 WASHINGTON, DC, 10 January 1978

**ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT  
 MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS  
 (INCLUDING DEPOT MAINTENANCE REPAIR PARTS  
 AND SPECIAL TOOLS)  
 FOR  
 CHARGERS, BATTERY PP-1659G AND PP-1659A/G  
 (NSN 6130-00-985-8185)**

Current as of 4 October 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.

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\* This manual supersedes TM 11-6130-238-24P, 29 April 1977.

# 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 organizational and general support maintenance of the PP-1659/G and PP-1659A/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.

AH – Item to be assembled at general support maintenance level.

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.

D – Support items that 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:

#### *Code*

#### *Application/Explanation*

Z– Nonreparable. No repair is authorized.

H –The lowest maintenance level capable of complete repair of the support item is the general support level.

(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 reparable, 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, 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 is 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 shown 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>
B6R	PP-1659/G
AV4	PP-1659A/G

*b.* Detailed assembly instructions for items source coded to be assembled are found in TM 11-6130-238-14. Assembly components are listed immediately following the item to be assembled.

*c.* The following publication pertains to the PP-1659/G and PP-1659A/G and its components:

TM 11-6130-238-14, Charger, Battery  
PP-1659/G and PP-1659A/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 N I I I N 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)

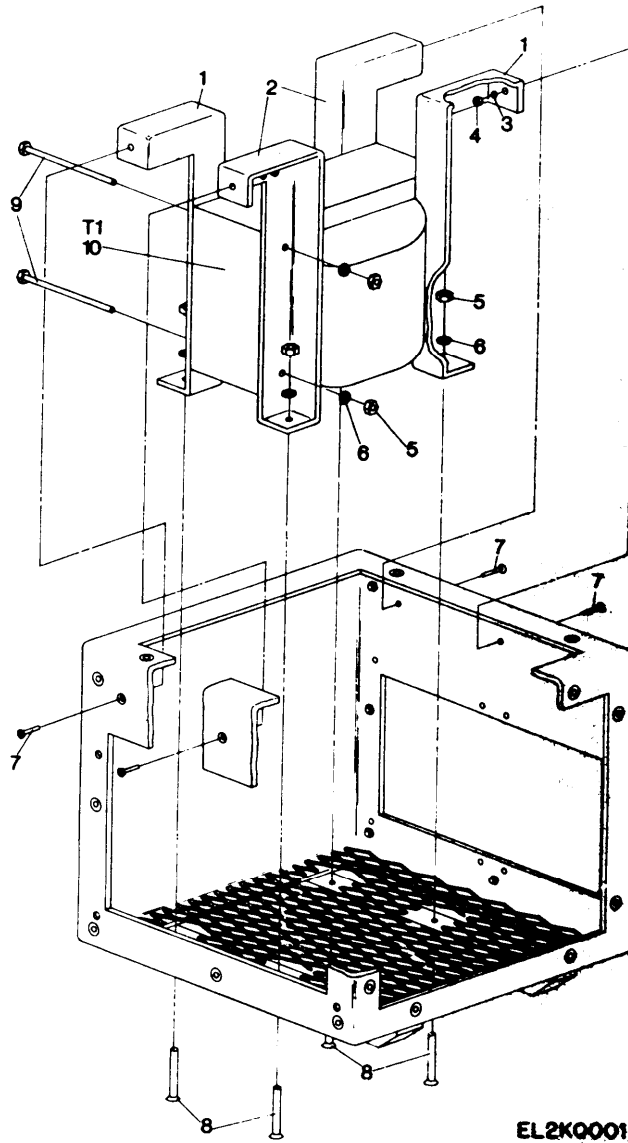


Figure 1. Transformer Assembly.

SECTION II (1) ILLUSTRATION (A) (B) FIG ITEM NO NO		(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	TM11-6130-238-24P (6) DESCRIPTION	USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
GROUP 00 CHARGERS,BATTERY PP-1659/G AND PP-1659A/G									
1	1	XDHZZ	6130-00-472-3983	SMC359198-1	80063	BRACKET,MOUNTING		EA	2
1	2	XDHZZ	6130-00-478-6943	SMC359198-2	80063	BRACKET,MOUNTING		EA	2
1	3	PAHZZ	5310-00-045-3299	MS35338-42	96906	WASHER,LOCK		EA	4
1	4	PAHZZ	5310-00-934-9757	MS35649-282	96906	NUT,PLAIN		EA	4
1	5	PAHZZ	5310-00-761-6882	MS51967-2	96906	NUT,PLAIN		EA	8
1	6	PAHZZ	5310-00-582-5965	MS35338-44	96906	WASHER,LOCK		EA	8
1	7	PAHZZ	5305-00-958-5477	MS35190-254	96906	SCREW,MACHINE		EA	4
1	8	PAHZZ	5305-00-958-5467	MS35190-294	96906	SCREW,MACHINE		EA	4
1	9	XDHZZ		MS90728-20	96906	SCREW,CAP		EA	4
1	10	PAHZZ	5950-00-892-8360	NE7970	94315	TRANSFORMER POWER STEP UP		EA	1

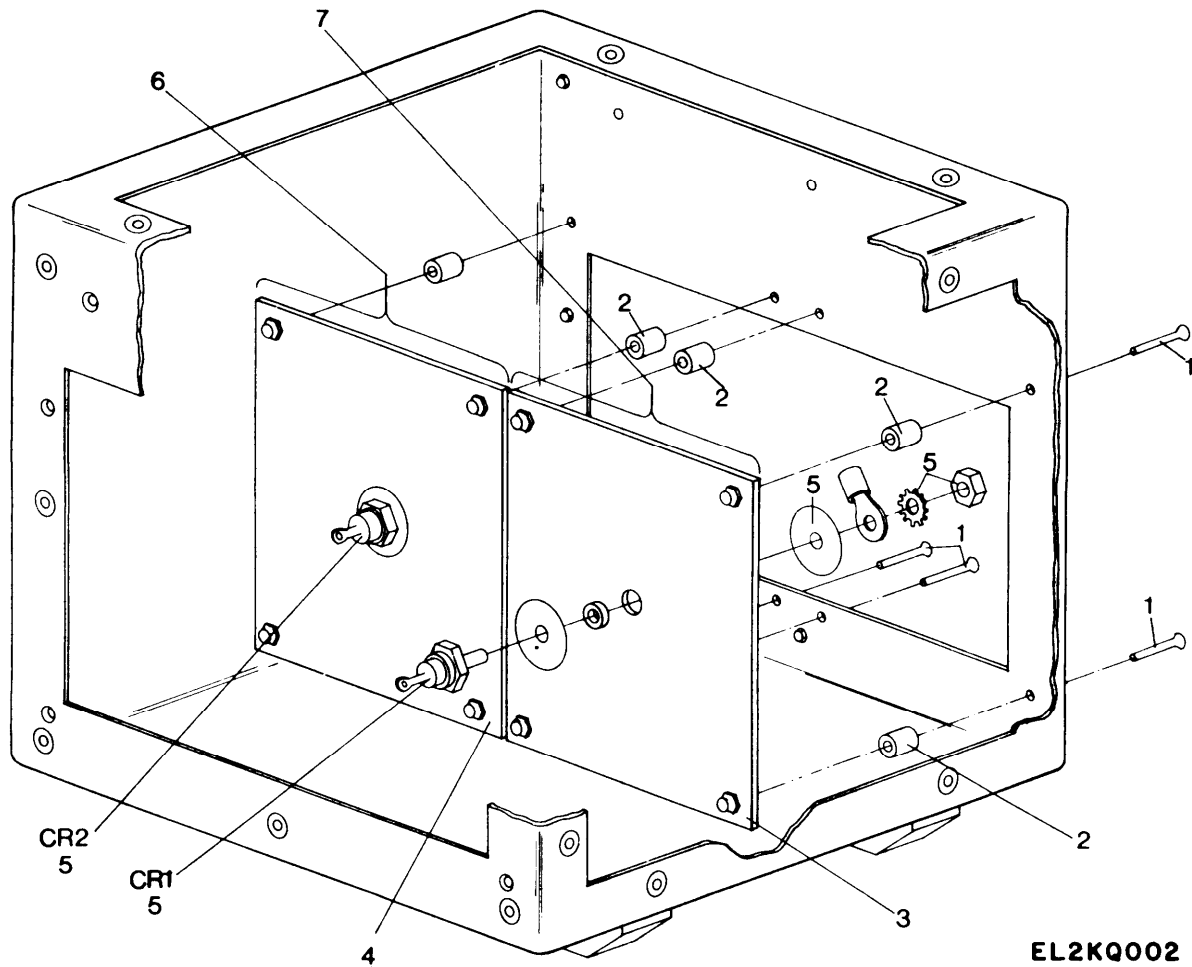
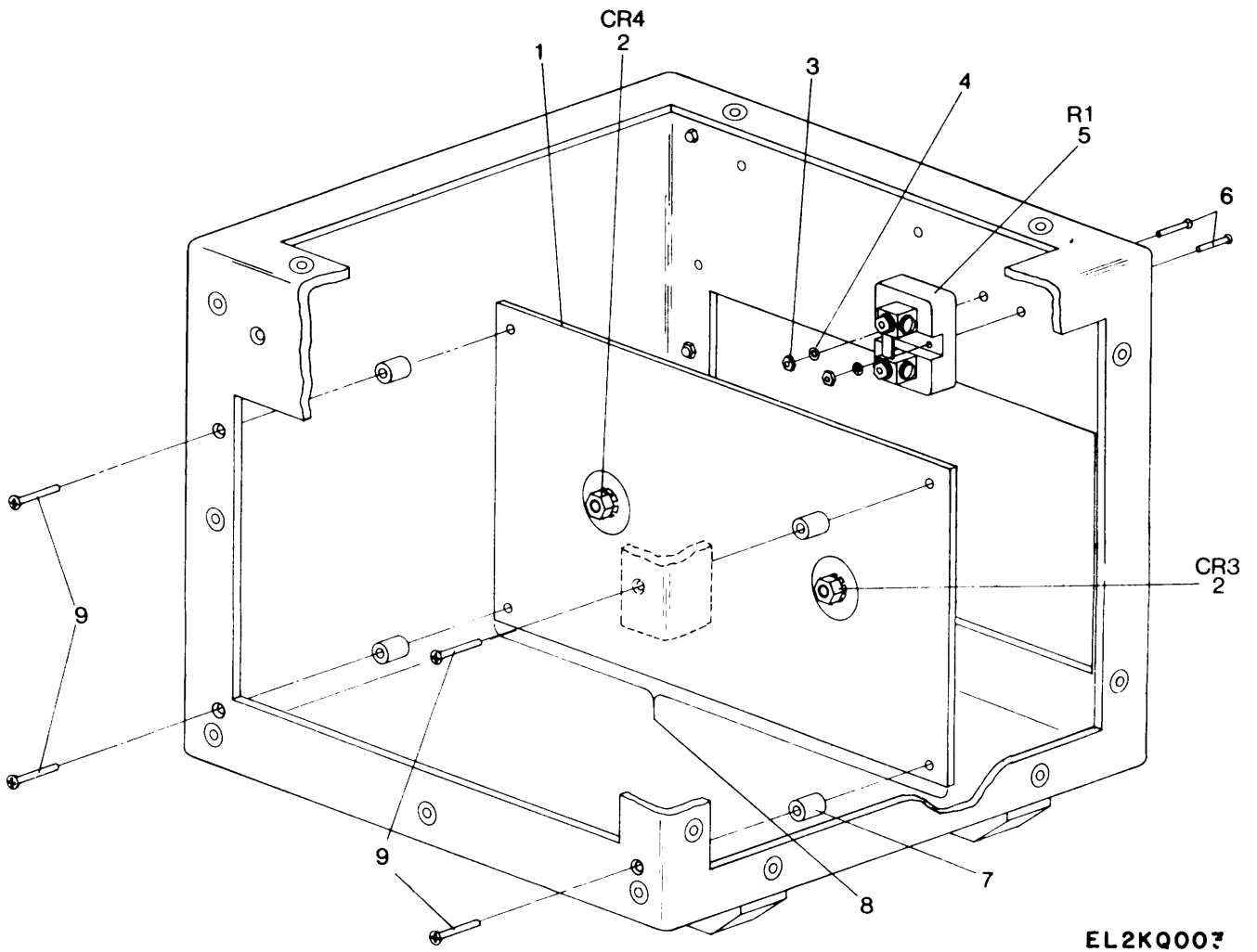


Figure 2. Heat Sink and Diode

SECTION II		TM11-6130-238-24P							
(1)	(2)	(3)	(4)	(5)	(6)		(7)	(8)	
ILLUSTRATION									
(A)	(B)	NATIONAL			DESCRIPTION			QTY	
FIG	ITEM	STOCK	PART	FSCM		USABLE ON CODE	U/M	INC	
NO	NO	NUMBER	NUMBER					IN	
								UNIT	
2	1	PAHZZ 5305-00-958-5460	MS35190-242	96906	SCREW,MACHINE		EA	8	
2	2	PAHZZ 5365-00-922-1834	SMB359201	80063	SPACER,SLEEVE		EA	8	
2	3	XDHZZ 6130-00-472-3982	SMB359212	80063	PLATE,HEAT SINK		EA	1	
2	4	XDHZZ 6130-00-472-3982	SMB359212	80063	PLATE,HEAT SINK		EA	1	
2	5	PAHZZ 5961-00-752-5701	JAN1N1188	81349	SEMICONDUCTOR DEVICE,DIODE		EA	2	
2	6	XDHHH	SMD359204-GR2	80063	HEAT SINK ASSEMBLY		EA	1	
2	7	XDHHH	SMD359204-GR1	80063	HEAT SINK ASSEMBLY		EA	1	





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Figure 3. Heat Sink and Shunt Assembly.

SECTION II		TM11-6130-238-24P						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
ILLUSTRATION							QTY	
(A)	(B)	NATIONAL	PART		DESCRIPTION	USABLE ON CODE	INC	
FIG	ITEM	STOCK	NUMBER	FSCM			IN	
NO	NO	NUMBER	NUMBER				UNIT	
3	1	XDHZZ 6130-00-463-9545	SMB359213	80063	PLATE,HEAT SINK		EA 1	
3	2	PAHZZ 5961-00-752-5701	JAN1N1188	81349	SEMICONDUCTOR DEVICE,DIODE		EA 2	
3	3	PAHZZ 5310-00-934-9747	MS35649-262	96906	NUT,PLAIN		EA 2	
3	4	PAHZZ 5310-00-579-0079	MS35333-37	96906	WASHER,LOCK		EA 2	
3	5	PAHZZ 6625-00-892-4342	MSA200	81349	SHUNT		EA 1	
3	6	PAHZZ 5305-00-958-5451	MS35190-239	96906	SCREW,MACHINE		EA 2	
3	7	PAHZZ 5365-00-922-1834	SMB359201	80063	SPACER,SLEEVE		EA 4	
3	8	XDHZZ 5999-01-042-5011	SMD359203	80063	HEAT SINK ASSEMBLY		EA 1	
3	9	PAHZZ 5305-00-958-5460	MS35190-242	96906	SCREW,MACHINE		EA 4	

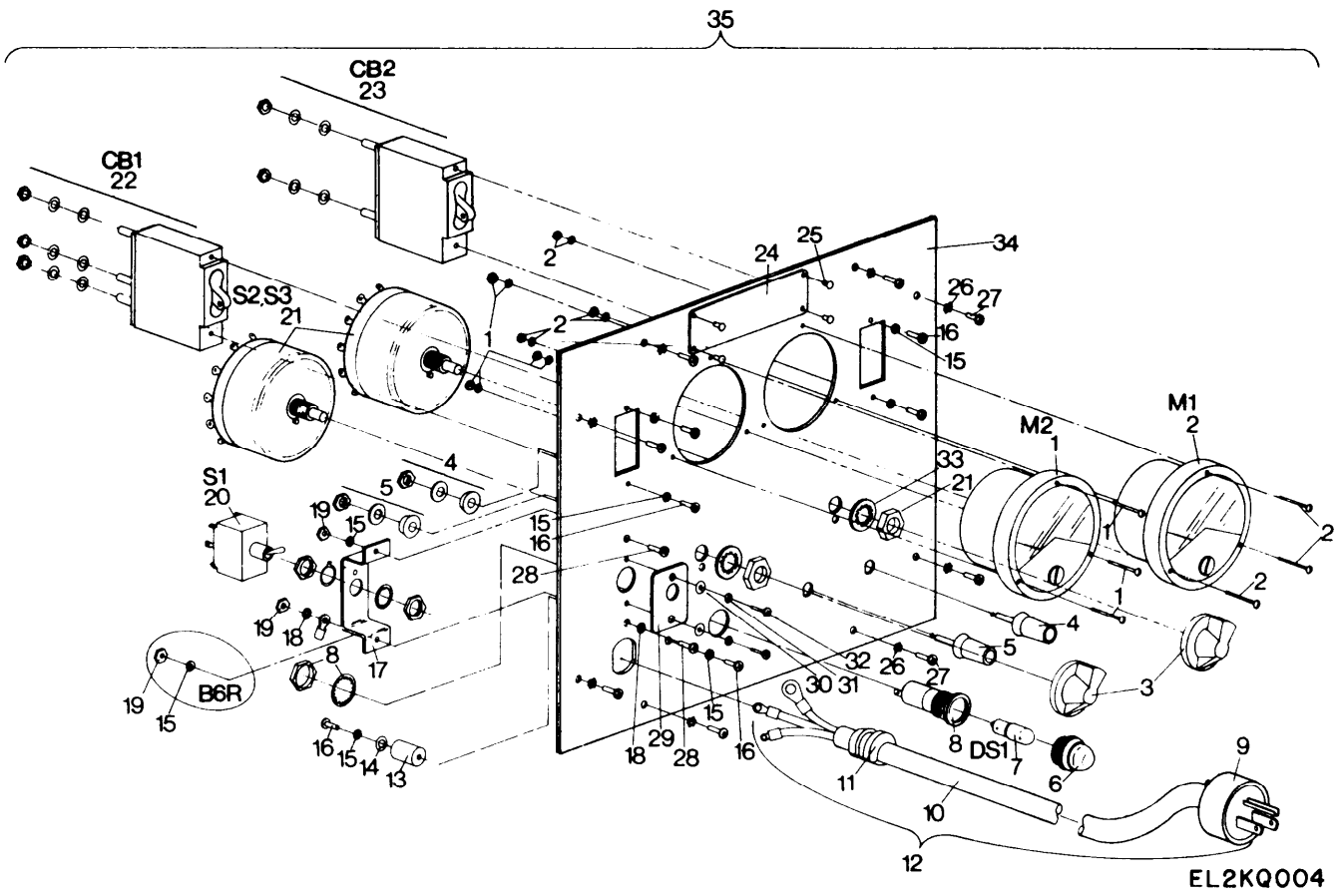
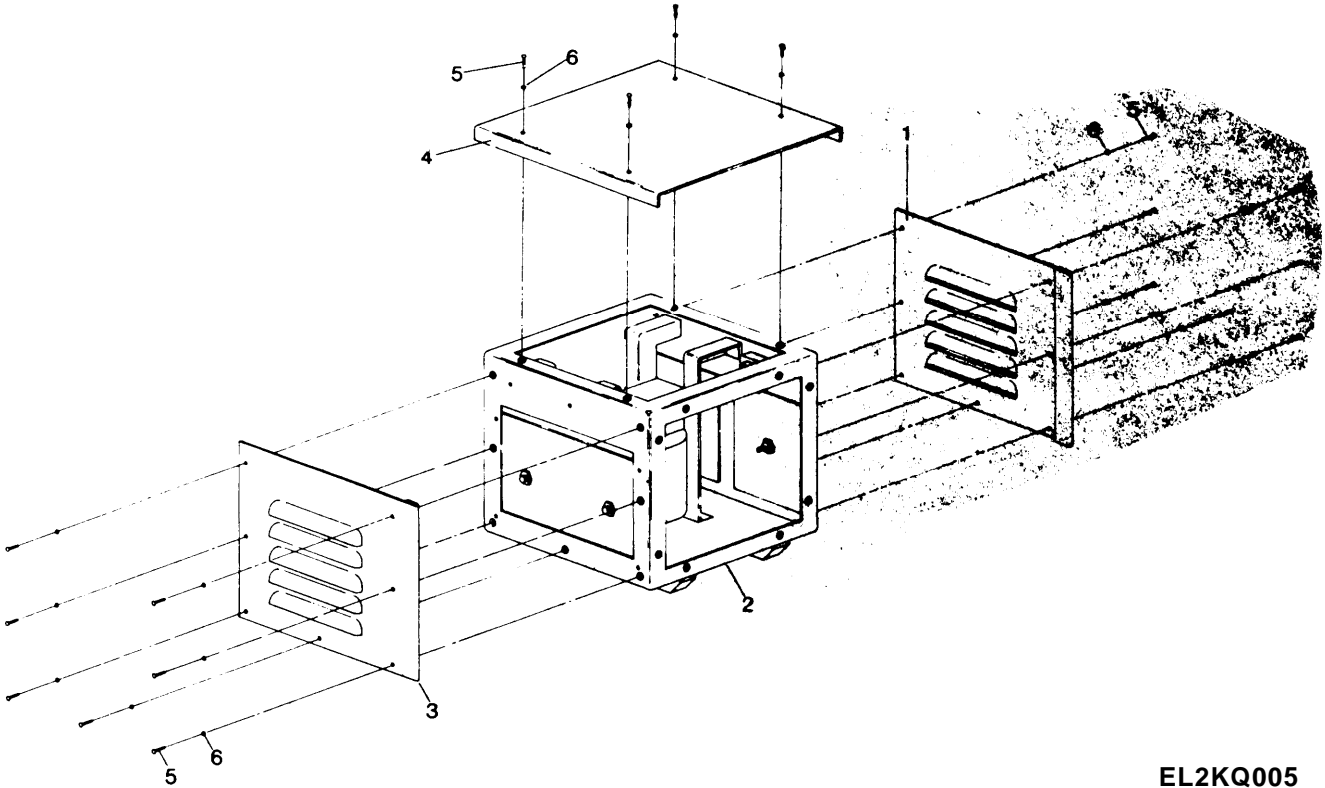


Figure 4. Front Panel Assembly.

SECTION II (1) ILLUSTRATION (A) (B) FIG ITEM NO NO		(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	TM11-6130-238-24P (6) DESCRIPTION	(7) USABLE ON CODE U/M	(8) QTY INC IN UNIT
4	1	PAHZZ	6625-00-643-1799	MR26W150DCVVR	81349	VOLTMETER	EA	1
4	2	PAHZZ	6625-00-752-7516	MR26W020DCAAR	81349	AMMETER	EA	1
4	3	PAOZZ	5355-00-519-7702	MS91531-3P2B	96906	KNOB B6R	EA	2
4	3	PAOZZ	5355-00-538-7331	OMS25166	24348	KNOB AV4	EA	2
4	4	PAHZZ	5940-00-269-2219	257BLACK	83330	POST,BINDING B6R	EA	1
4	4	PAHZZ	5940-00-044-1583	PB01FA02BLACK	83330	POST,BINDING AV4	EA	1
4	5	PAHZZ	5940-00-356-2493	257RED	83330	POST,BINDING B6R	EA	1
4	5	PAHZZ	5940-00-842-6483	PB01FA01RED	83330	POST,BINDING AV4	EA	1
4	6	PAOZZ	6210-00-054-5466	LC15RNL	72619	LENS, INDICATOR LIGHT	EA	1
4	7	PAOZZ	6240-00-682-3411	M15098-10-002	81349	LAMP,GLOW	EA	1
4	8	PAHZZ	6210-00-843-5378	MIL-L-3661/8	72619	LIGHT, INDICATOR	EA	1
4	9	PAHZZ	5935-00-201-8467	5264	74545	CONNECTOR, PLUG ELECTRICAL	EA	1
4	10	PAHZZ	6145-00-548-1268	C003HGF3-14-0565	81349	CABLE, POWER	FT	1
4	11	PAHZZ	5975-00-803-2536	SR8P2	28520	BUSHING, STRAIN RELIEF CABLE	EA	1
4	12	AHHHH		SMD359215	80063	CABLE ASSEMBLY POWER, ELECTRICA	EA	1
4	13	PAHZZ	5970-00-784-2005	SMB359202	80063	INSULATOR, SLEEVE	EA	1
4	14	PAHZZ	5310-00-082-1404	MS27183-6	96906	WASHER, FLAT	EA	1
4	15	PAHZZ	5310-00-045-4007	MS35338-41	96906	WASHER, LOCK AV4	EA	7
4	15	PAHZZ	5310-00-045-4007	MS35338-41	96906	WASHER, LOCK B6R	EA	8
4	16	PAHZZ	5305-00-984-4984	MS35206-227	96906	SCREW, MACHINE	EA	6
4	17	XDHZZ	5930-00-881-7319	SMB359200	80063	BRACKET, DOUBLE ANGLE	EA	1
4	18	PAHZZ	5310-00-579-0079	MS35333-37	96906	WASHER, LOCK AV4	EA	2
4	19	PAHZZ	5310-00-934-9747	MS35649-262	96906	NUT, PLAIN	EA	2
4	20	PAHZZ	5930-00-655-1582	MS35059-23	96906	SWITCH, TOGGLE	EA	1
4	21	PAHZZ	5930-00-548-3377	212-12	44655	SWITCH, ROTARY	EA	2
4	22	PAHZZ	5925-00-181-3833	APL-1-3-6-600-153	81541	CIRCUIT BREAKER AV4	EA	1
4	22	PAHZZ	5925-00-912-2549	AM1510CSKMG	74193	CIRCUIT BREAKER B6R	EA	1
4	23	PAHZZ	5925-01-018-1636	AM1510MG3-25	74193	CIRCUIT BREAKER B6R	EA	1
4	23	PAHZZ	5925-01-047-1610	APL-1-1-5-2-253	81541	CIRCUIT BREAKER AV4	EA	1
4	24	XDHZZ		SMB359210	80063	PLATE, IDENTIFICATION	EA	1
4	25	PAHZZ	5305-00-175-3230	MS21318-14	96906	SCREW, DRIVE	EA	4
4	26	PAHZZ	5310-00-209-0788	MS35335-30	96906	WASHER, LOCK AV4	EA	4
4	27	PAHZZ	5305-00-984-4989	MS35206-229	96906	SCREW, MACHINE	EA	8
4	28	PAHZZ	5305-00-889-3000	MS35206-230	96906	SCREW, MACHINE AV4	EA	2
4	28	PAHZZ	5305-00-958-5453	MS35190-236	96906	SCREW, MACHINE B6R	EA	2
4	29	XDHZZ		SMB359205	80063	PLATE, SWITCH	EA	1
4	30	PAHZZ	5310-00-950-1310	MS27183-4	96906	WASHER, FLAT	EA	2
4	31	PAHZZ	5310-00-543-2410	MS35338-40	96906	WASHER, SPLIT	EA	2
4	32	PAHZZ	5305-00-889-2998	MS35206-216	96906	SCREW, MACHINE	EA	2

SECTION II		TM11-6130-238-24P							
(1)	(2)	(3)	(4)	(5)	(6)		(7)	(8)	
ILLUSTRATION									
(A)	(B)		NATIONAL		DESCRIPTION			QTY	
FIG	ITEM	SMR	STOCK	PART				INC	
NO	NO	CODE	NUMBER	NUMBER	FSCM	USABLE ON CODE	U/M	IN	
								UNIT	
4	33	PAHZZ	5310-00-595-7237	MS35333-42	96906	WASHER, LOCK	EA	2	
4	34	XDDZZ		SMD359209	80063	PANEL, BLANK B6R	EA	1	
4	34	XDDZZ		SMD183261	80063	PANEL, BLANK AV4	EA	1	
4	35	XDHHH		SMD183263	80063	PANEL ASSEMBLY	EA	1	



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*Figure 5. Side and Cover Assembly.*

SECTION II		TM11-6130-238-24P							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		
ILLUSTRATION							QTY		
(A)	(B)	NATIONAL			DESCRIPTION		INC		
FIG	ITEM	STOCK	PART	FSCM		USABLE ON CODE	IN		
NO	NO	NUMBER	NUMBER				UNIT		
								U/M	
5	1	XDHZZ		SMC359206-2	80063	PLATE, SIDE		EA	1
5	2	XDDZZ	6130-00-463-9631	SMD359197	80063	CASE, BATTERY, POWER SUPPLY		EA	1
5	3	XDHZZ		SMC359206-1	80063	PLATE, SIDE		EA	1
5	4	XDDZZ	6130-00-463-9547	SMD359199	80063	COVER, POWER SUPPLY		EA	1
5	5	PAHZZ	5305-00-889-3001	MS35206-231	96906	SCREW, MACHINE		EA	18
5	6	PAHZZ	5310-00-209-0788	MS35335-30	96906	WASHER, LOCK AV4		EA	18

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
5940-00-044-1583	4	4	5961-00-752-5701	2	5
5310-00-045-3299	1	3	5961-00-752-5701	3	2
5310-00-045-4007	4	15	6625-00-752-7516	4	2
5310-00-045-4007	4	15	5310-00-761-6882	1	5
6210-00-054-5466	4	6	5970-00-784-2005	4	13
5310-00-082-1404	4	14	5975-00-803-2536	4	11
5305-00-175-3230	4	25	5940-00-842-6483	4	5
5925-00-181-3833	4	22	5930-00-881-7319	4	17
5935-00-201-8467	4	9	5305-00-889-2998	4	32
5310-00-209-0788	4	26	5305-00-889-3000	4	28
5310-00-209-0788	5	6	5305-00-889-3001	5	5
5940-00-269-2219	4	4	6625-00-892-4342	3	5
5940-00-356-2493	4	5	5950-00-892-8360	1	10
6130-00-463-9545	3	1	5925-00-912-2549	4	22
6130-00-463-9547	5	4	5365-00-922-1834	2	2
6130-00-463-9631	5	2	5365-00-922-1834	3	7
6130-00-472-3982	2	3	5310-00-934-9747	3	3
6130-00-472-3982	2	4	5310-00-934-9747	4	19
6130-00-472-3983	1	1	5310-00-934-9757	1	4
6130-00-478-6943	1	2	5310-00-950-1310	4	30
5355-00-519-7702	4	3	5305-00-958-5451	3	6
5355-00-538-7331	4	3	5305-00-958-5453	4	28
5310-00-543-2410	4	31	5305-00-958-5460	2	1
5930-00-548-3377	4	21	5305-00-958-5460	3	9
5310-00-579-0079	3	4	5305-00-958-5467	1	8
5310-00-579-0079	4	18	5305-00-958-5477	1	7
5310-00-582-5965	1	6	5305-00-984-4984	4	16
5310-00-595-7237	4	33	5305-00-984-4989	4	27
6625-00-643-1799	4	1	5925-01-018-1636	4	23
5930-00-655-1582	4	20	5999-01-042-5011	3	8
6240-00-682-3411	4	7	5925-01-047-1610	4	23

PART NUMBER	FSCM	FIG NO	ITEM NO	PART NUMBER	FSCM	FIG NO	ITEM NO
AM1510CSKMG	74193	4	22	MS35649-282	96906	1	4
AM1510MG3-25	74193	4	23	MS51967-2	96906	1	5
APL-1-1-5-2-253	81541	4	23	MS90728-20	96906	1	9
APL-1-3-6-600-153	81541	4	22	MS91531-3P2B	96906	4	3
C003HGF3-14-0565	81349	4	10	M15098-10-002	81349	4	7
JAN1N1188	81349	2	5	NE7970	94315	1	10
JAN1N1188	81349	3	2	PBC1FA01RED	83330	4	5
LC15RN1	72619	4	6	PB01FA02BLACK	83330	4	4
MR26W020DCAAR	81349	4	2	SMB359200	80063	4	17
MR26W150DCVVR	81349	4	1	SMB359201	80063	2	2
MSA200	81349	3	5	SMB359201	80063	3	7
MS21318-14	96906	4	25	SMB359202	80063	4	13
MS27183-4	96906	4	30	SMB359205	80063	4	29
MS27183-6	96906	4	14	SMB359210	80063	4	24
MS35059-23	96906	4	20	SMB359212	80063	2	3
MS35190-236	96906	4	28	SMB359212	80063	2	4
MS35190-239	96906	3	6	SMB359213	80063	3	1
MS35190-242	96906	2	1	SMC359198-1	80063	1	1
MS35190-242	96906	3	9	SMC359198-2	80063	1	2
MS35190-254	96906	1	7	SMC359206-1	80063	5	3
MS35190-294	96906	1	8	SMC359206-2	80063	5	1
MS35206-216	96906	4	32	SMD183261	80063	4	34
MS35206-227	96906	4	16	SMD183263	80063	4	35
MS35206-229	96906	4	27	SMD359197	80063	5	2
MS35206-230	96906	4	28	SMD359199	80063	5	4
MS35206-231	96906	5	5	SMD359203	80063	3	8
MS35333-37	96906	3	4	SMD359204-GR1	80063	2	7
MS35333-37	96906	4	18	SMD359204-GR2	80063	2	6
MS35333-42	96906	4	33	SMD359209	80063	4	34
MS35335-30	96906	4	26	SMD359215	80063	4	12
MS35335-30	96906	5	6	SRP2	28520	4	11
MS35338-40	96906	4	31	OMS25166	24348	4	3
MS35338-41	96906	4	15	212-12	44655	4	21
MS35338-41	96906	4	15	257BLACK	83330	4	4
MS35338-42	96906	1	3	257RED	83330	4	5
MS35338-44	96906	1	6				
MS35649-262	96906	3	3	5264	74545	4	9
MS35649-262	96906	4	19				

## LATEST NATIONAL STOCK NUMBER ASSIGNMENTS

STOCK NUMBER	FIG. NO.	ITEM NO.
6145-00-548-1268	4	10
6210-00-843-5378	4	8

## LATEST PART NUMBER ASSIGNMENT

PART NUMBER	FSCM	FIG. NO.	ITEM NO.
MIL-L-3661/8	72619	4	8





# 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		
3-10	3-3		3-1
5-6	5-8		
		FO3	

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.

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.

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

REASON: To replace the cover plate.

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.

TEAR ALONG DOTTED LINE

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) 1 AUG 74

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



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UNIT'S ADDRESS

FOLD BACK

DEPARTMENT OF THE ARMY

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By Order of the Secretary of the Army:

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*NG: State AG (3); Units - Same as active Army Except allowance is one copy per unit.*

*USAR: None*

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

