

TM 11-6625-396-40P-1

TECHNICAL MANUAL

**GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LISTS
FOR
STROBOSCOPE TS-805B/U
(NSN 6625-00-752-7992**

**HEADQUARTERS, DEPARTMENT OF THE ARMY
NOVEMBER 1976**

TECHNICAL MANUAL }
 No. 11-6625-396-40P }

HEADQUARTERS
 DEPARTMENT OF THE ARMY
 WASHINGTON, DC, 25 November 1976

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

Current as of 15 August 1976
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*This manual supersedes that portion of TM 11-6625-396-40P, 14 MARCH 1975, as pertains to Stroboscope TS-805B/U.

Section I INTRODUCTION

1. Scope

This manual lists repair parts required for performance of general support maintenance of the TS-805B/U.

2. General

This Repair Parts and Special Tools List is divided into the following sections:

a. *Section II. Repair Parts List.* A list of 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 ascending numerical 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 ascending numerical sequence, of all National stock numbers 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

The following provides an explanation of columns found in the tabular listings:

a. *Illustration.* This column is divided as follows:

(1) *Figure number.* Indicates the figure number of the illustration in which the item is shown.

(2) *Item number.* The number used to identify each item called out in the illustration.

b. *Source, Maintenance, and Recoverability Codes (SMR).*

(1) *Source code.* Source codes are assigned to support items to 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.	
(2) <i>Maintenance code.</i> 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.	
<i>Code</i>	<i>Application/Explanation</i>
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:	
<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.	
Z- Nonrepairable. No repair is authorized.	
(3) <i>Recoverability code.</i> 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>Code</i>	<i>Definition</i>
Z- Nonrepairable item. When unserviceable, condemn and dispose at the level indicated in position 3.	
H- Repairable item. When economically repairable, condemn and dispose at the general support level.	
c. <i>National Stock Number.</i> Indicates the National stock numbers assigned to the item and will be used for requisitioning purposes.	
d. <i>Part Number.</i> Indicates the primary number used by the manufacturer (individual, company, firm, corporation, or Government activity), which controls the designs 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. <i>Federal Supply Code for Manufacturer (FSCM).</i>	

NOTE

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 TS-805B/U and its components:

Publication and Short Title

- TM 11-6625-396-12, Stroboscope TS-805B/U
- TM 11-6625-396-20P, Stroboscope TS-805B/U
- TM 11-6625-396-40, Stroboscope TS-805B/U
- DMWR 11-6625-396, Stroboscope TS-805/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 repair part 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 repair part belongs.

(3) *Third.* Identify the repair part on the illustration and note the illustration figure and item number of the repair part.

(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 ascending NSN sequence, followed by a list of part numbers in ascending 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 5)

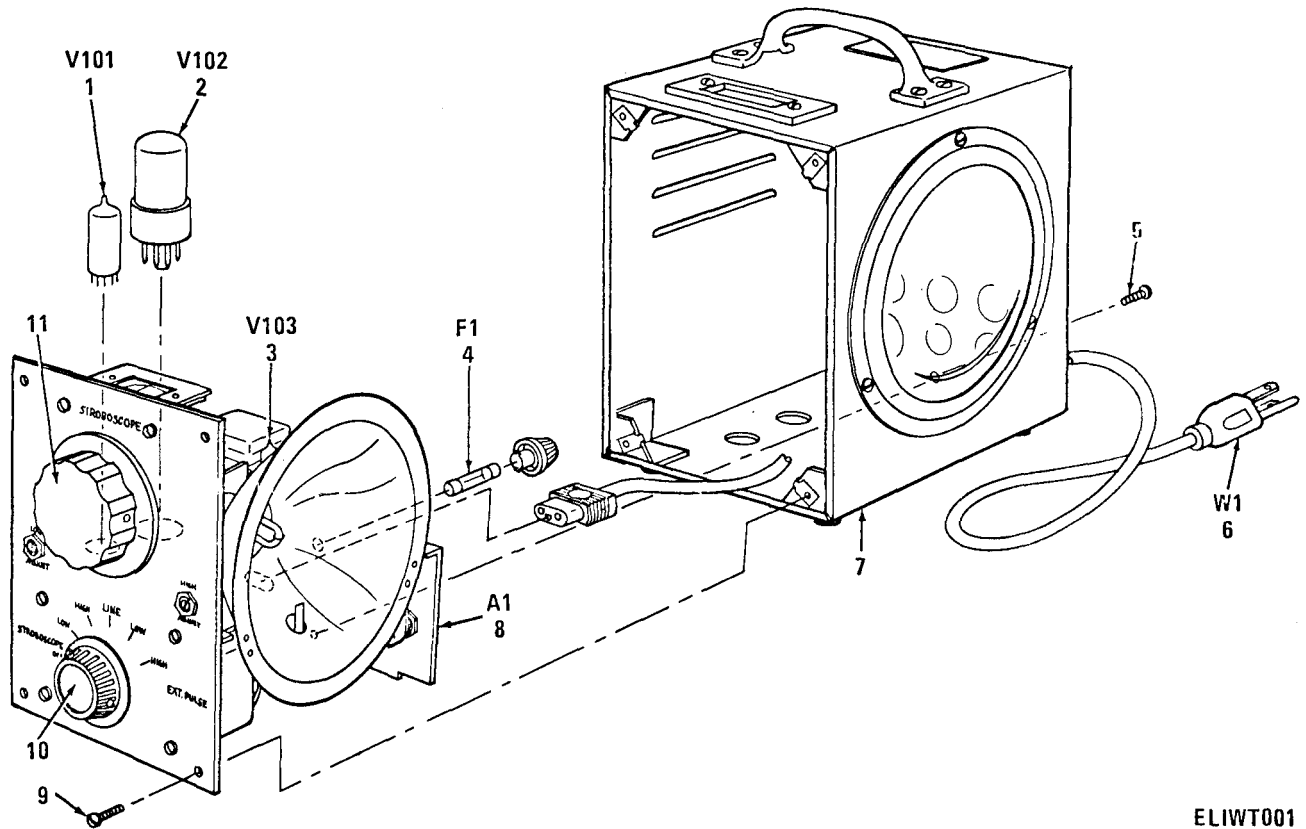


Figure 1. Stroboscope TS-805B/U.

ELIWT001

SECTION II REPAIR PARTS LIST

(1) ILLUSTRATION (a) FIG NO	(2) (b) ITEM NO	(3) SMR CODE	(4) NATIONAL STOCK NUMBER	(5) PART NUMBER	(6) FSCM	(7) DESCRIPTION USABLE ON CODE	(8) INC IN UNIT
GROUP: 00 STROBOSCOPE TS-805B/U							
1		PAHZZ	5960-00-179-444	12AT7WC	81349	ELECTRON TUBE	EA 1
1		PAHZZ	5960-00-262-0162	65N7WGTA	81349	ELECTRON TUBE	EA 1
1		PAHZZ	5960-00-272-9182	5X4WA	91349	ELECTRON TUBE	EA 1
1		PAOZZ	592 0-00-280-834	312001	75915	FUSE, CARTRIDGE	EA 1
1		KDHZZ		AN508-6-5	98044	SCREW, MACHINE	EA 1
1		PAOZZ	5625-00-445-994	51A504	33490	CABLE ASSEMBLY, POWER ELECTRICAL	EA 1
1		KDHHH		51E101	33490	CASE ASSEMBLY, OUTER	EA 1
1		KDHHH		510102	33490	CHASSIS & FRONT PANEL ASSEMBLY	EA 1
1		KDHZZ		AN508-6-8	38044	SCREW, MACHINE	EA 4
1	10	PAOZZ	5355-00-453-6690	R881-7	06797	KNOB	EA 1
1	11	PAOZZ		R8811	36797	KNOB	EA 1

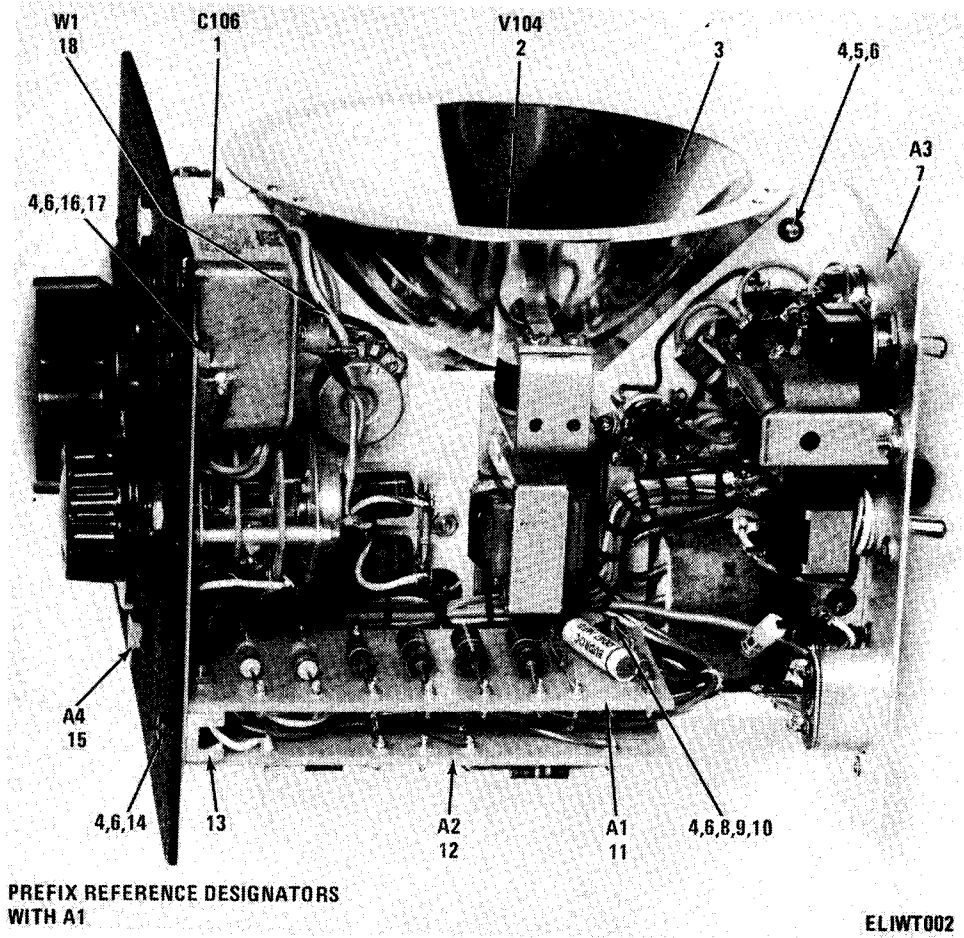
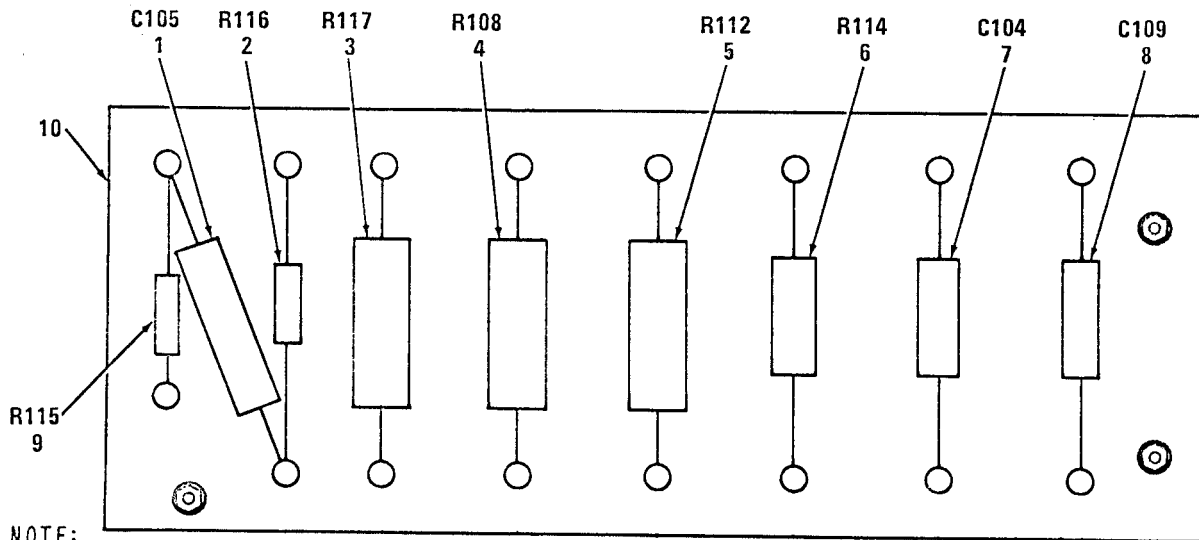


Figure 2. Chassis and front panel assembly.

ILLUSTRATION		SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.							
GROUP: 01 CHASSIS AND FRONT PANEL ASSEMBLY								
2	1	PAHZZ		3595	1436	CAPACITOR, FIXED, PAPER DIELECTRIC		1
2	2	PAHZZ	6240-00-683-0329	55B	1856	LAMP, FLASHTUBE		1
2	3	XDHZZ		1C103	13490	REFLECTOR ASSEMBLY		1
2	4	XDHZZ		S35649-264	6906	NUT, PLAIN HEXAGON		7
2	5	XDHZZ		N508-6-5	8044	SCREW, MACHINE		2
2	6	XDHZZ		S35333-20	6906	WASHER, LOCK		7
2	7	XDHZZ		10108	13490	CHASSIS ASSEMBLY, COMPLETE		1
2	8	XDHZZ		N508-6-14	8044	SCREW, MACHINE		3
2	9	XDHZZ		1A203	13490	SPACER, SLEEVE		1
2	10	XDHZZ		1A303	13490	BRACKET, ANGLE		1
2	11	PAHZZ		1B104	13490	RESISTOR BOARD ASSEMBLY, REAR		1
2	12	PAHZZ		1BU06	13490	RESISTOR BOARD ASSEMBLY, FRONT		1
2	13	XDHZZ		51A104	13490	SPACER, PLATE		1
2	14	XDHZZ		N508-6-8	8044	SCREW, MACHINE		2
2	15	XDHZZ		10115	13490	FRONT PANEL ASSEMBLY		1
2	16	XDHZZ		N508-6-6	8044	SCREW, MACHINE		2
2	17	XDHZZ		109-6	7147	TERMINAL, LUG		1
2	18	XDHZZ		1C114	13490	WIRING HARNESS ASSEMBLY		1

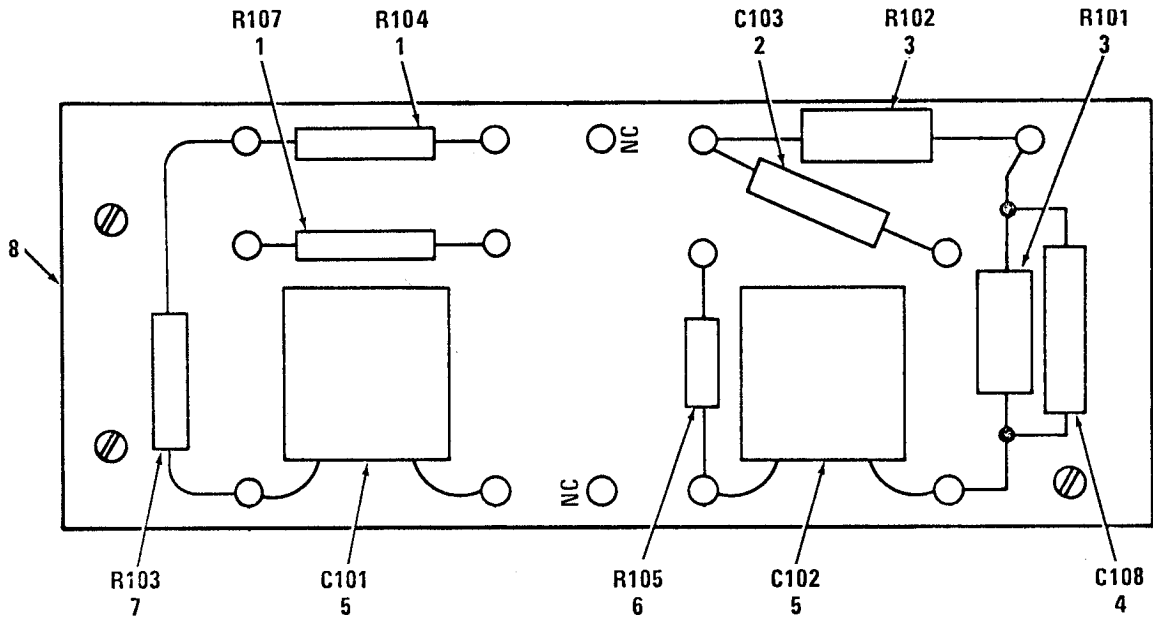


ELIWT003

Figure 3. Board assembly, resistor, front.

SECTION II REPAIR PARTS LIST

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO	(b) ITEM NO	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	F S C M	DESCRIPTION	U/P	QTY INC IN UNIT
						<i>UNABLE ON CODE</i>		
GROUP: 0101 BOARD ASSEMBLY, RESISTOR								
3	1	XDHZZ		ST6D47	14655,	CAPACITOR, FIXED, PAPER DIELECTRIC	EA	1
3	2	PAHZZ	5905-00-141-0600	RCR20G822JS	81349,	RESISTOR, FIXED, COMPOSITION	EA	1
3	3	PAHZZ	590500-759-8556	RCR42G823JS	81349	RESISTOR, FIXED, COMPOSITION	EA	1
3	4	PAHZZ	5905-00-140-5653	RCR42G563JS	81349	RESISTOR, FIXED, COMPOSITION	EA	1
3	5	PAHZZ	5905-00-184-7703	RCR42G103JS	81349	RESISTOR, FIXED, COMPOSITION	EA	1
3	6	PAHZZ	5905-00-104-8351	RCR32G154JS	81349	RESISTOR, FIXED, COMPOSITION	EA	1
3	7	PAHZZ		315-000X500102K	72982	CAPACITOR, FIXED, CERAMIC DIELECTRIC	EA	1
3	8	PAHZZ		315-000 X5U0152K	72982	CAPACITOR, FIXED, CERAMIC DIELECTRIC	EA	1
3	9	PAHZZ	5905-00-106-9345	RCR20G683JS	81349	RESISTOR, FIXED, COMPOSITION	EA	1
3	10	PAHZZ		51A105	83490	TERMINAL BOARD	EA	1



NOTE:
 PREFIX REFERENCE
 DESIGNATORS WITH A1A2

ELIWT004

Figure 4. Board assembly, resistor, rear.

SECTION II REPAIR PARTS LIST

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM		U/N	QTY INC IN UNIT
						GROUP: 0102 BOARD ASSEMBLY, RESISTOR		
4	L	PAHZZ	5905-00-233-0852	RNC70K1004FS	81349	RESISTOR, FIXED, FILM	EA	2
4		PAHZZ		315-000 X5U0821K	72982	CAPACITOR, FIXED	EA	1
4		PAHZZ	5905-00-104-5757	RCR32G273JS	81349	RESISTOR, FIXED, COMPOSITION	EA	2
4		PAHZZ		315-000 X5U032M	72902	CAPACITOR, FIXED CERAMIC DIELECTRIC	EA	1
4		XDHZZ		1A508	14655	CAPACITOR, FIXED MICA DIELECTRIC	EA	2
4		PAHZZ	5905-00-106-9350	RCR20G365JS	81349	RESISTOR, FIXED, COMPOSITION	EA	1
4		XDHZZ		RN75B3004F	81349	RESISTOR	EA	1
4		PAHZZ	53.0.00.230-7261	51B107	76823	TERMINAL BOARD	EA	1

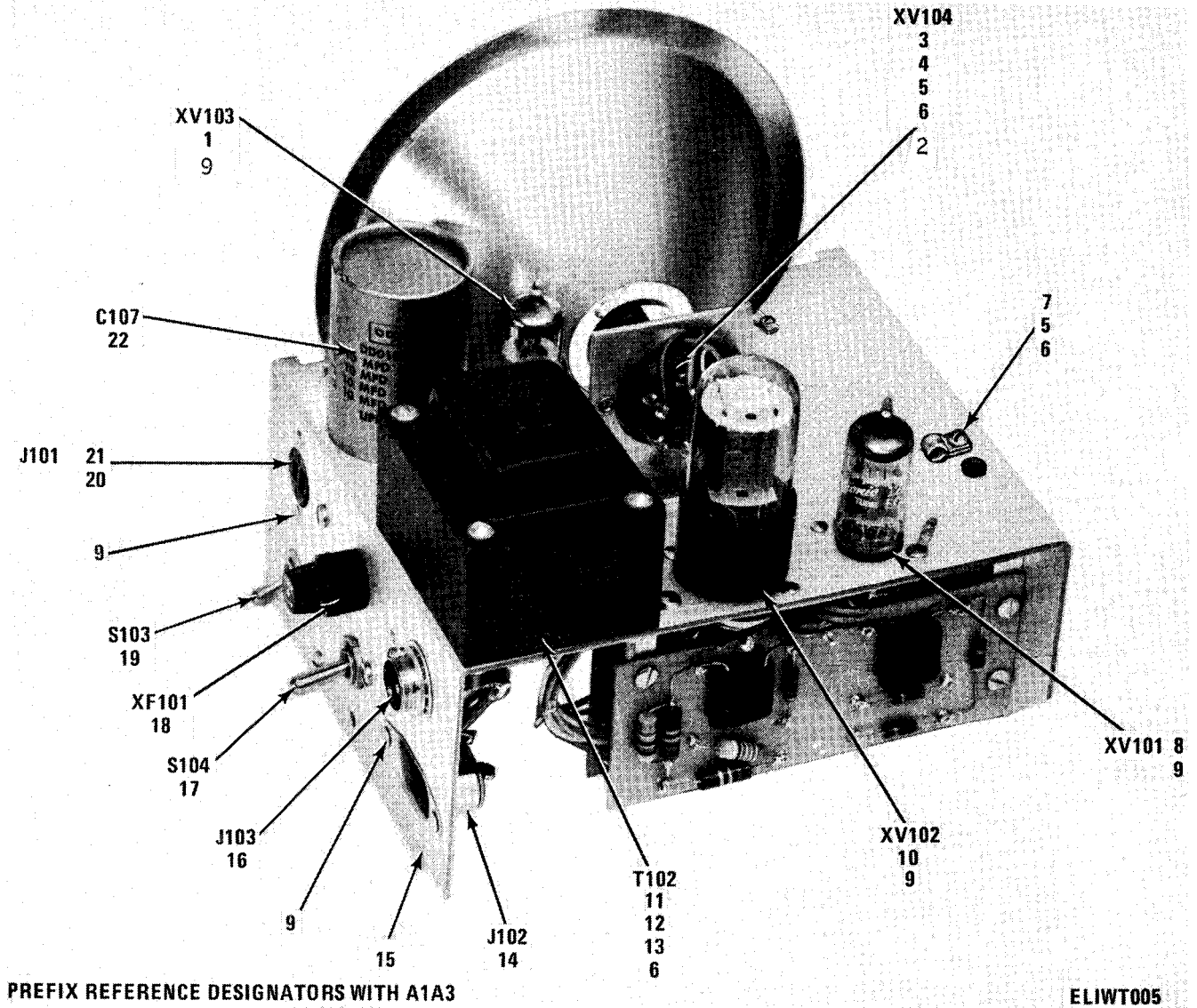


Figure 5 ① . Chassis assembly (Sheet 1 of 2)

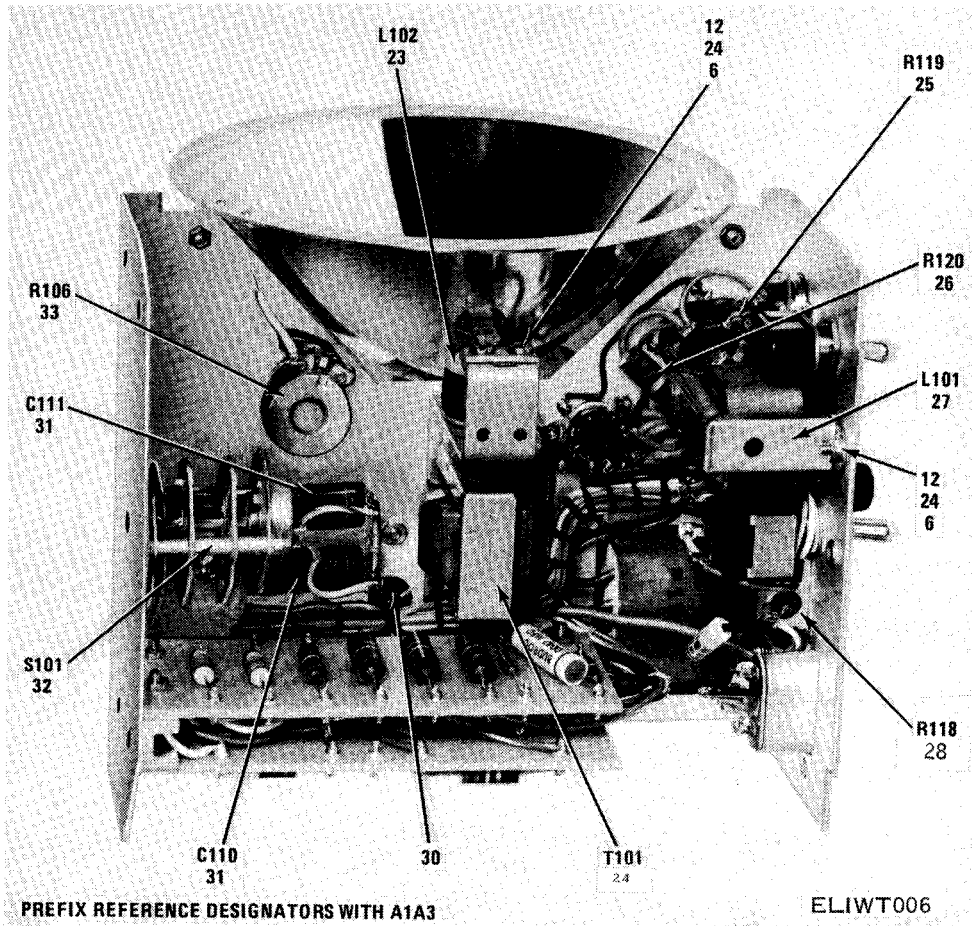
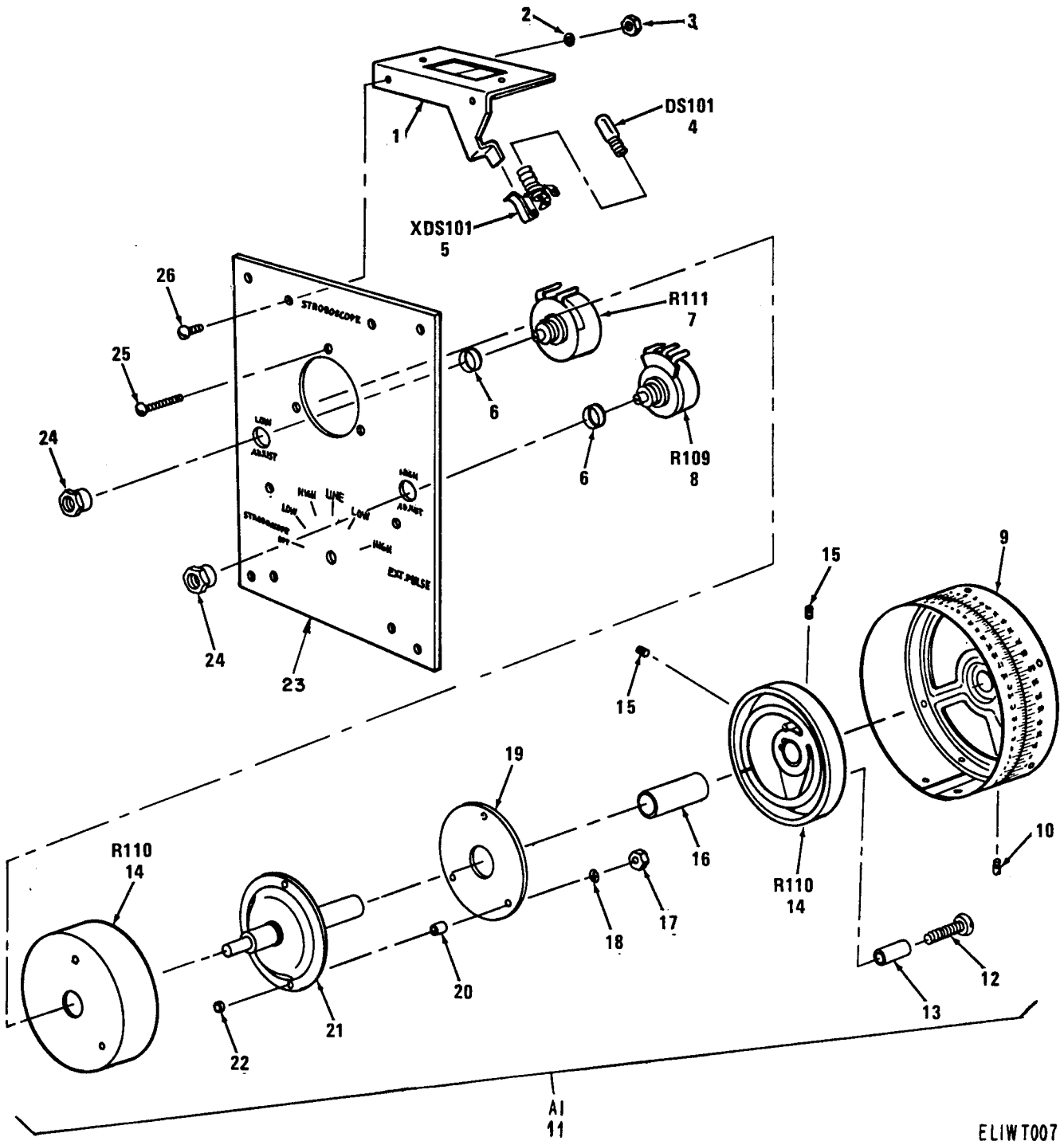


Figure 5 (2). Chassis assembly (Sheet 2 of 2).

SECTION II

TM11-6625-396-40P-1

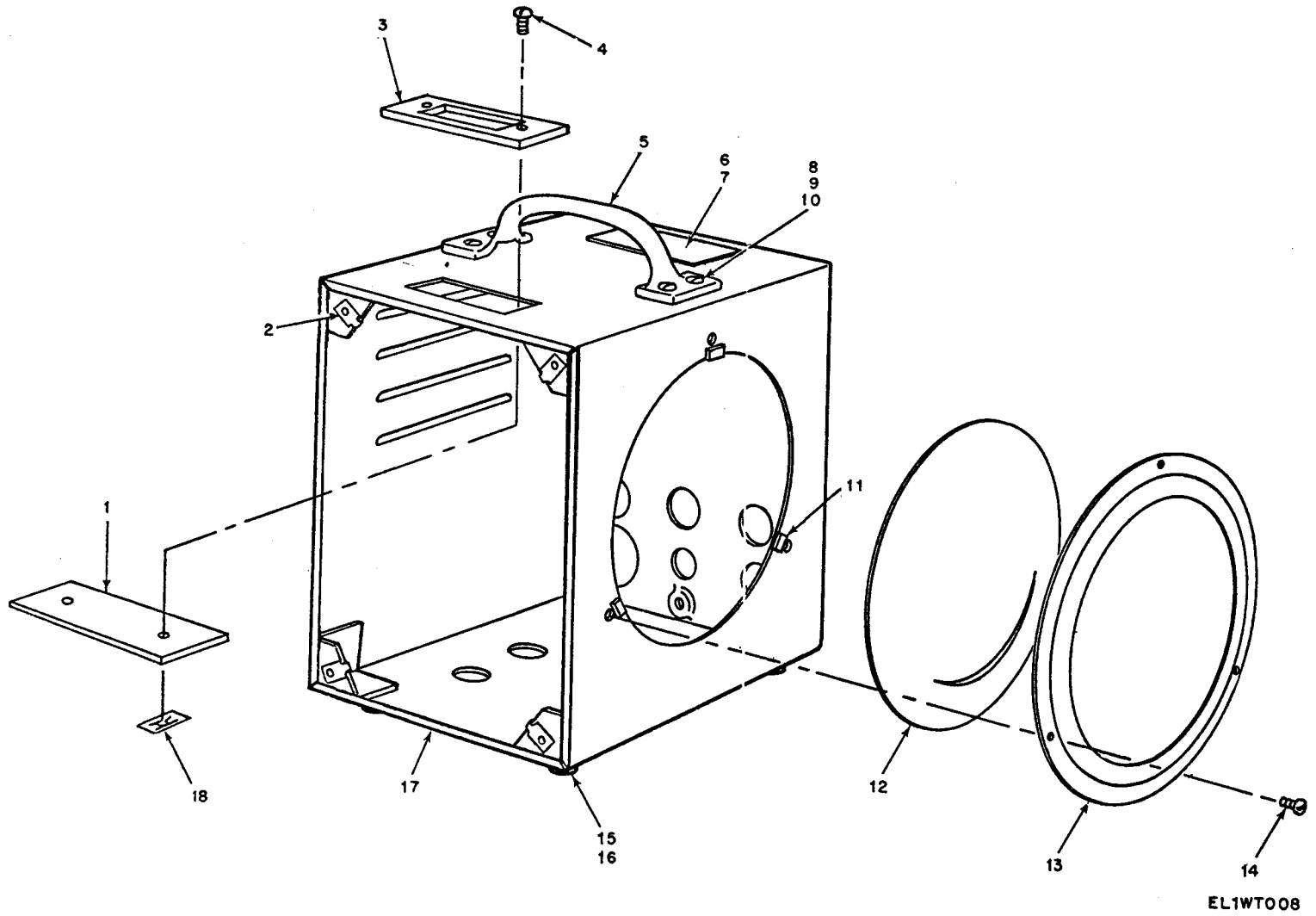
(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION <i>USABLE ON CODE</i>	U/M	QTY INC IN UNIT
GROUP: 0103 CHASSIS ASSEMBLY								
5	1	PAHZZ		9727137	72825	SOCKET, ELECTRON TUBE	EA	1
5	2	XOHZZ		669-11-64	61007	RI VET, TUBULAR	EA	2
5	3	PAHZZ		51A112	83490	SOCKET ASSEMBLY, FLASHCUBE	EA	1
5	4	XDHZZ		MS35649-284	96906	NUT, PLAIN HEXAGON	EA	2
5	5	XDHZZ		AN508-6-8	88044	SCREW, MACHINE	EA	3
5	6	XDHZZ		AN936A6	88044	WASHER, LOCK	EA	11
5	7	XOH ZZ		832	83330	CLAMP, LOOP	EA	1
5	8	PAHZZ		9713-98	72825	SOCKET, ELECTRON TUBE	EA	1
5	9	XOHZZ		51A505	83490	RI VET, TUBULAR	EA	10
5	10	XDHZZ		8702	72825	SOCKET, ELECTRON TUBE	EA	1
5	11	PAHZZ		A51101	83490	TRANSFORMER, POWER	EA	1
5	12	XOHZZ		MS35649-264	96906	NUT, PLAIN HEXAGON	EA	8
5	13	XOHZZ		AN508-6-32	88044	SCREW, MACHINE	EA	4
5	14	PAHZZ	5935-00-436-9564	P302CCT	71785	CONNECTOR, PLUG, ELECTRICAL	EA	1
5	15	XOHZZ		510315	83490	CHASSIS, ELECTRICAL EQUIPMENT	EA	1
5	16	XDHZZ		311	75582	CONNECTOR, RECEPTACLE, ELECTRICAL	EA	1
5	17	PAHZZ	5930-00-655-1582	MS35059-23	96906	SWITCH, TOGGLE	EA	1
5	18	PAHZZ	5920-00-709-1149	342012	75915	FUSE HOLDER	EA	1
5	19	PAHZZ	5930-00-441-5015	110H62SPST	73559	SWITCH, TOGGLE	EA	1
5	20	XDHZZ		4109-6	77147	TERMINAL, LUG	EA	2
5	21	PAHZZ	5935-00-149-2758	S302AB	71785	CONNECTOR, RECEPTACLE, ELECTRICAL	EA	1
5	22	PAHZZ	5910-00-821-9246	UPT111150	14655	CAPACITOR, FIXED, ELECTROLYTIC	EA	1
5	23	PAHZZ	5950-00-441-5008	515109	83490	REED ANO COIL ASSEMBLY	EA	1
5	24	XOHZZ		AN508-6-5	88044	SCREW, MACHINE	EA	6
5	25	PAHZZ	5905-00-141-0591	RCR20G103JS	81349	RESISTOR, FIXED, COMPOSITION	EA	1
5	26	PAHZZ	5905-00-150-0748	RCR42G122JS	81349	RESISTOR, FIXED, COMPOSITION	EA	1
5	27	PAHZZ		A51169	83490	REACTOR	EA	1
5	28	PAHZZ		RH25-6201J	91637	RESISTOR, FIXED; WIRE WOUND	EA	1
5	29	PAHZZ	5950-00-791-2706	A51109	83490	TRANSFORMER, PULSE	EA	1
5	30	PAHZZ	5325-00-061-9495	2902	70485	GROMMET, RUBBER	EA	2
5	31	PAHZZ		PKM6572	14655	CAPACITOR, FIXED, MICA DIELECTRIC	EA	2
5	32	XDHZZ		221248H2AC	76854	SWITCH, ROTARY	EA	1
5	33	PAHZZ		34-4898	34263	RESISTOR, VARIABLE	EA	1



ELIWT007

Figure 6. Panel assembly, front.

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUSTRATION		NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION		QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE				USABLE ON CODE	/N
GROUP : 0104 PANEL ASSEMBLY, FRONT							
6	1	XDHZZ	51A120	1349	BEZEL ASSEMBLY		A 1
6	2	XOHZZ	W936A6		WASHER, LOCK		A 2
6	3	XDHZZ	W35649-264	1690	NUT, PLAIN HEXAGON		A 2
6	4	PAHZZ	5240-00-019-314	10	LAMP, INCANDESCENT		A 1
6	5	XDHZZ	L03C188B	1276	LAMPHOLDER		A 1
6	6	mHzz	51A206	1349	SPACER, SLEEVE		A 2
6	7	PAHZZ	W37944	2697	RESISTOR, VARIABLE		EA 1
6	8	PAHZZ	W37945	2697	RESISTOR, VARIABLE		A 1
6	9	XOHZZ	51C116	1349	DIAL ASSEMBLY		A 1
6	10	XDHZZ	W565A1032B4	1804	SETSCREW		A 1
6	11	PAHZZ	5905-00-444-9709	1349	VARIABLE RESISTOR ASSEMBLY		A 1
6	12	XDHZZ	W508-6-10	804	SCREW		EA 1
6	13	xaHzz	51A512	1349	INSULATOR		A 1
6	14	PAHZZ	1975-9717	1465	Resistor, VARIABLE		A 1
6	15	XDHZZ	W565A1032B3	1804	SETSCREW		A 2
6	16	XDHZZ	51A215	1349	BUSHING		A 1
6	17	XDHZZ	W20341-6	1690	NUT, PLAIN HEXAGON		A 3
6	18	XDHZZ	W936A6	1804	WASHER, LOCK		A 3
6	19	XDHZZ	51B216	1349	WASHER, FLAT		A 1
6	20	XDHZZ	51A202	1349	SPACER, SLEEVE		A 3
6	21	PAHZZ	51C119	1349	DRIVE ASSEMBLY, DIAL		A 1
6	22	xaHzz	51A217	1349	SPACER, SLEEVE		A 2
6	23	XOHZZ	51A306	1349	PANEL, FRONT		A 1
6	24	XOHZZ	51A207	1349	NUT, PLAIN HEXAGON		A 2
6	25	XDHZZ	W508-6-14	1804	SCREW, MACHINE		A 3
6	26	XOHZZ	W508-6-5	1804	SCREW, MACHINE		A 2



EL1WT008

Figure 7. Case.

II	(a) FIG NO.	(b) ITEM NO.	SMR CODE	(3)	(4)	(5)	(6)	'V	(s) QTY INC IN UNIT
				NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE		
							GROUP: 02 CASE		
	7	i	XOHZZ		51A501	83490	WINDOW, ESCUTCHEON	A	1
	7	2	XOHZZ		C11087-632-4	78553	CLIP, SPRING TENSION	A	4
	7	3	XDHZZ		518400	83490	ESCUTCHEON PLATE	A	1
	7	4	PAHZZ	,305-00-207-746	MS35214-13	96906	SCREW, MACHINE	A	2
	7	5	XDHZZ		482	78525	HANDLE, HOOK	A	1
	7	6	XOHZZ		5518201	83490	PLATE, IDENTIFICATION	A	1
	7	7	XDHZZ		51A172	83490	RIVET, TUBULAR	A	4
	7	8	XDHZZ		MS35649-284	96906	NUT, PLAIN HEXAGON	A	4
	7	9	XDHZZ		AN508-8-8	88044	SCREW, MACHINE	A	4
	7	10	PAHZZ	310-00-559-007	MS35333-38	96906	WASHER, LOCK	A	4
	7	11	XDHZZ		51A200	83490	WASHER, NONMETALLIC	A	3
	7	12	PAHZZ		51B500	83490	LENS, FLASH TUBE	A	1
	7	13	XDHZZ		51B300	83490	RING, BEZEL	A	1
	7	14	XDHZZ		AN508-6-3	88044	SCREW, MACHINE	A	3
	7	15	PAHZZ	5340.00-062-6115	1343	70485	BUMPER RUBBER	A	4
	7	16	XDHZZ		20196X 1-8	61007	RIVET, TUBULAR	A	4
	7	17	XDHZZ		510110	83490	CASE ASSEMBLY	A	1
	7	18	XOHZZ		C7795-440-4	78553	NUT, SELFLOCKING	A	2

SECTION IV. NATIONAL STOCK NUMBER AND PART NUMBER INDEX (CONTINUED)

PART NUMBER	FSCM	FIG. NO.	ITEM NO.	PART NUMBER	NO.	FIG.	ITEM NO.
551A215	83490	6	16				
551A217	83490	6	22				
551B201	83490	7	6				
6X4WA	81349	1	3				
65N7WGTA	81349	1	2				
669-11-64	61007	5	1				
832	83330	5	7				
8702	72625	5	10				
9713-98	72825	5	8				
9727-137	72825	5	1				

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/PSC-76

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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.
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5-6	5-8		
		F03	

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 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.

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SSG I. M. DeSpirito 999-1776

SIGN HERE:

SSG I. M. DeSpirito

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NG: None

USAR: None

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

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