

TECHNICAL MANUAL

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

FOR

**TEST SET, PHOTOGRAPHIC FLASHER SYSTEM,
FLIGHT LINE LS-70A
(NSN 6780-00-999-4373)**

HEADQUARTERS, DEPARTMENT OF THE ARMY

JANUARY 1979

**ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
 REPAIR PARTS AND SPECIAL TOOLS LISTS
 (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)
 FOR
 TEST SET, PHOTOGRAPHIC FLASHER SYSTEM, FLIGHT LINE LS-70A
 (NSN 6780-00-999-4373)
 Current as of 25 September 1978**

REPORTING OF ERRORS

You can improve this manual by recommending improvements using DA Form 2028-2 located ill 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 in the back of),our manual, use the standard DA Form 2028 (Recommended Changes to Publications and Blank Forms) and forward to the Commander, US Army Communications and Electronics Materiel Readiness Command, ATTN: DRSEL-MNE-MQ, 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	
	II. Repair parts list	5	
Group	00 Test Set, Photographic Flasher System Flight Line LS-70A	5	1
	01 Panel and chassis assembly (A1)	7	2
	0101 Switch and component assembly (A1A3)	9	3
	0102 Chassis and component assembly (A1A4)	13	4
	0103 Chassis and component assembly (A1A5)	15	5
	0104 Chassis and component assembly (A 1A6)	19	6
	0105 Chassis and component assembly (A1A7)	23	7
	02 Cable Assembly LM-192A (W1)	25	8
	03 Cable Assembly LM-193A (W2)	27	9
	04 Cable Assembly LM-194A (W3)	29	10
	05 Cable Assembly LM-195A (W4)	31	11
	06 Photocell Adapter Assembly LM-196A (A2)	33	12
	07 Strobe Assembly LM-197A (A3)	35	13
	08 Case, test set (No parts authorized)		
SECTION	III. Special tools list (Not applicable)		
	IV. National stock number and part number index	36	

*This manual supersedes so much of TM 11-6780-220 12, 2 January 1970, and TM 11 6780 220 35, 20 June 1970, as pertains to repair parts and special tools lists.

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 LS-70A. 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 II. 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.
F	Support item is removed, replaced, used at the direct 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
F --	The lowest maintenance level capable of complete repair of the support item is the direct 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:

Recoverability

codes	Definition
Z -	Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3.
F -	Reparable item. When uneconomically reparable, condemn and dispose at the direct 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 (UM).* 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 LA-70A and its components:

TM 11-6780-220-12, Test Set, Photographic Flasher System, Flight Line LS-70A

TM 11-6780-220-35, Test Set, Photographic Flasher System, Flight Line LS-70A

5. How to Locate Repair Parts

a. When National stock number of 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 of part number is known.*

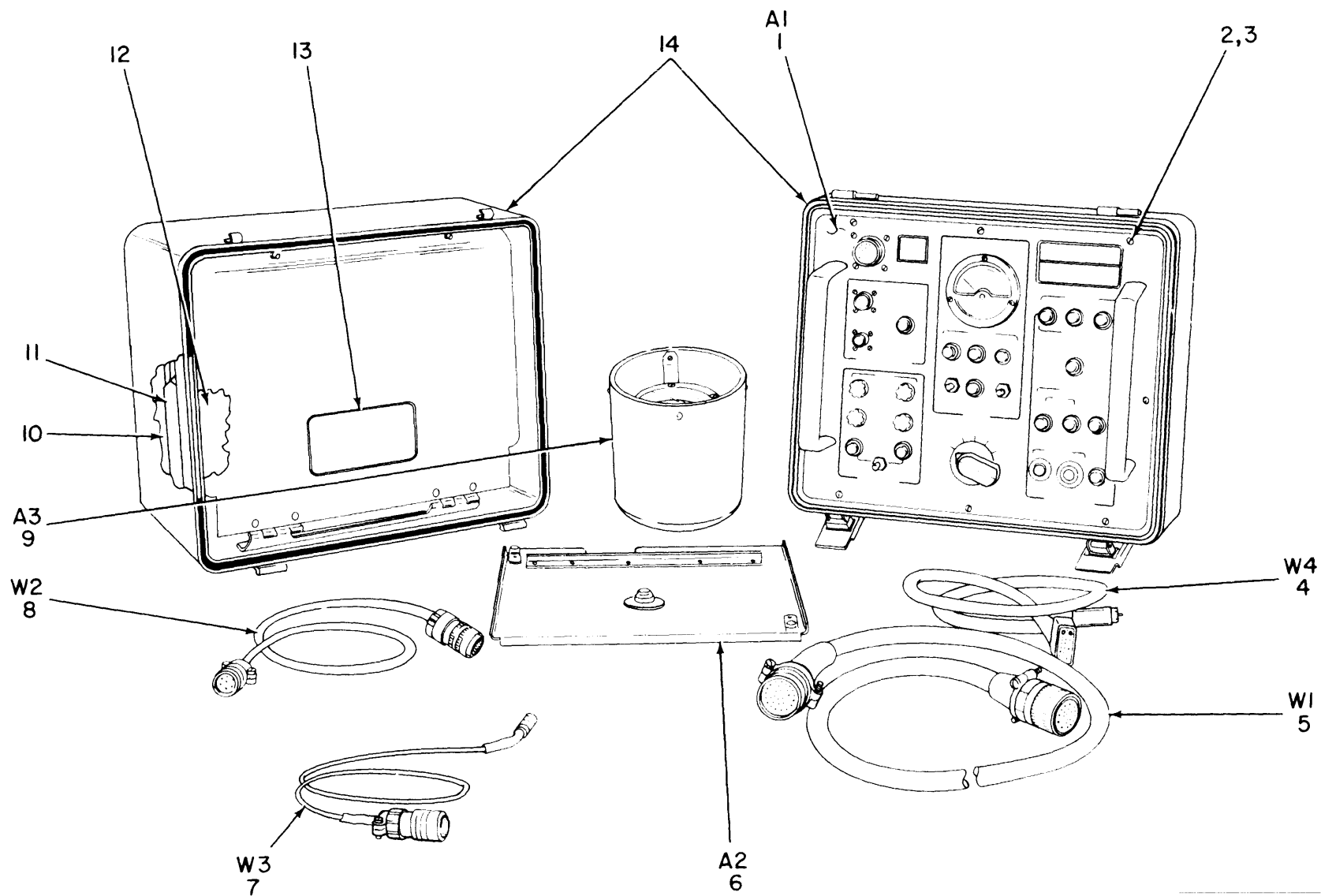
(1) *First.* Using the Index of National Stock Numbers and Part Numbers, find the pertinent National stock number or part number. This index is in NIIN sequence followed by a list of part numbers in alphameric sequence, cross-referenced to the illustration figure number and item number.

(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)



EL3HU001

Figure 1. Test Set, Photographic Flasher System Flight Line LS-70A.

SECTION II

TM 11-6780-220-24P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(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
						GROUP 00 TEST SET, PHOTOGRAPHIC FLASHER SYSTEM FLIGHT LINE LS-70A		
1	1	PAODD	6760-00-250-1096	7148-1006	11871	PANEL AND CHASSIS A.....	EA	1
1	2	XDOZZ		CAV70-1032-12P	11871	SCREW, MACHINE	EA	10
1	3	XDOZZ		CAV70-69P	11671	WASHER, FLAT	EA	10
1	4	XDODD		LM195A	11871	CABLE ASSY, SP, ELEC.....	EA	1
1	5	XDODD		LM192A	11139	CABLE ASSY, SP, ELEC.....	EA	1
1	6	PAODD	6760-00-797-7972	LM196A	06400	ADAPTER ASSEMBLY, PHOTOGRAPHIC.....	EA	1
1	7	PAODD	5995-00-999-4664	7148-1013	11871	CABLE ASSY, SP, ELEC.....	EA	1
1	8	XDODD		LM193A	11871	CABLE ASSY. SP, ELEC.....	EA	1
1	9	XDODD		LM197A	11871	STROBE ASSEMBLY	EA	1
1	10	XDOZZ		7148-1017	11871	CUSHION, BOTTOM	EA	1
1	11	XDDZZ		7148-1052	11871	CUSHION, INSERT	EA	1
1	12	XDDZZ		7148-1016	11871	CUSHION, TOP	EA	1
1	13	XDDZZ		7148-1051	11871	PLATE, CONTENTS	EA	1
1	14	PAODL	6760-00-250-1101	7148-1008	11811	CASE, TEST SET. PHOTA.....	EA	1

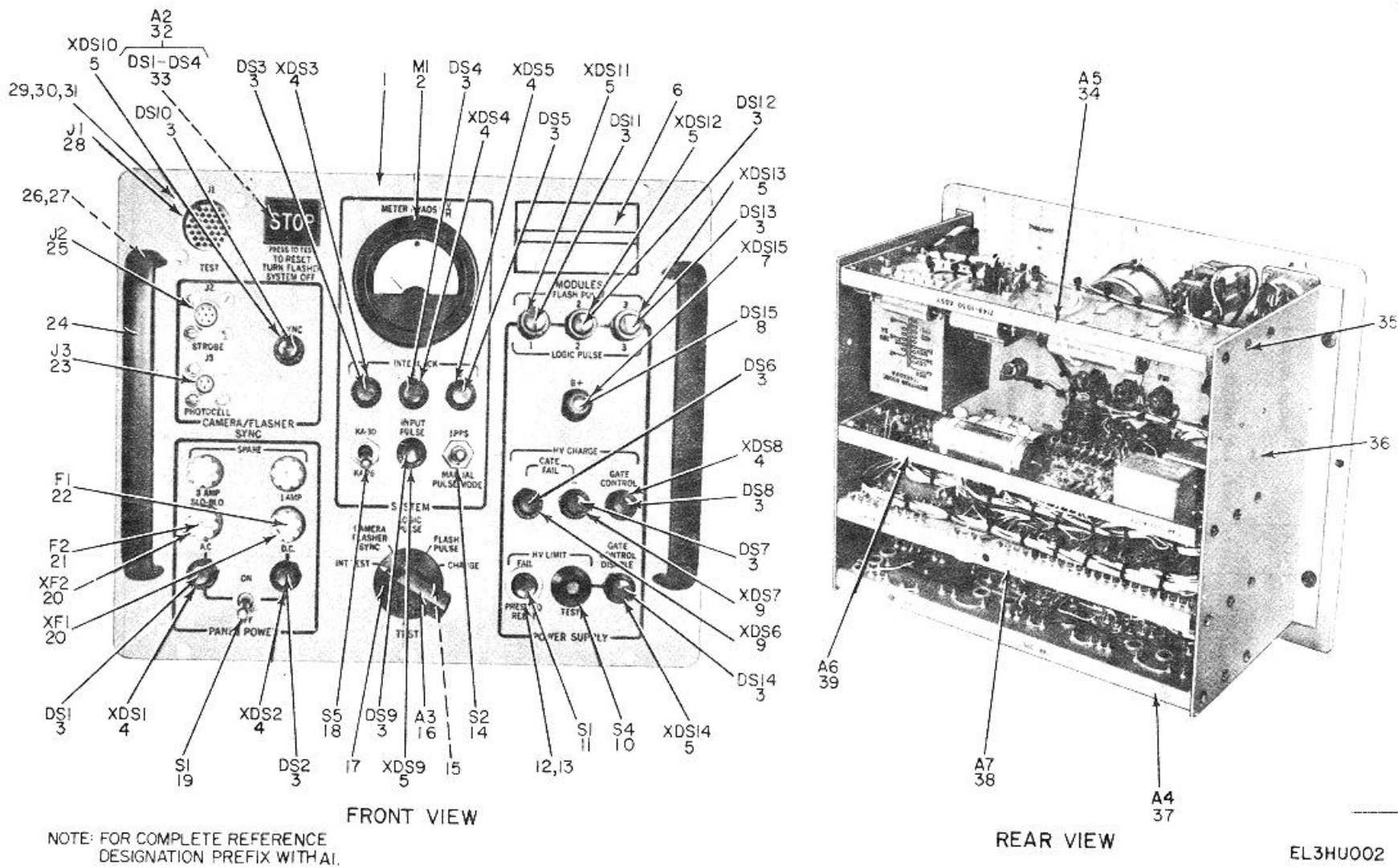
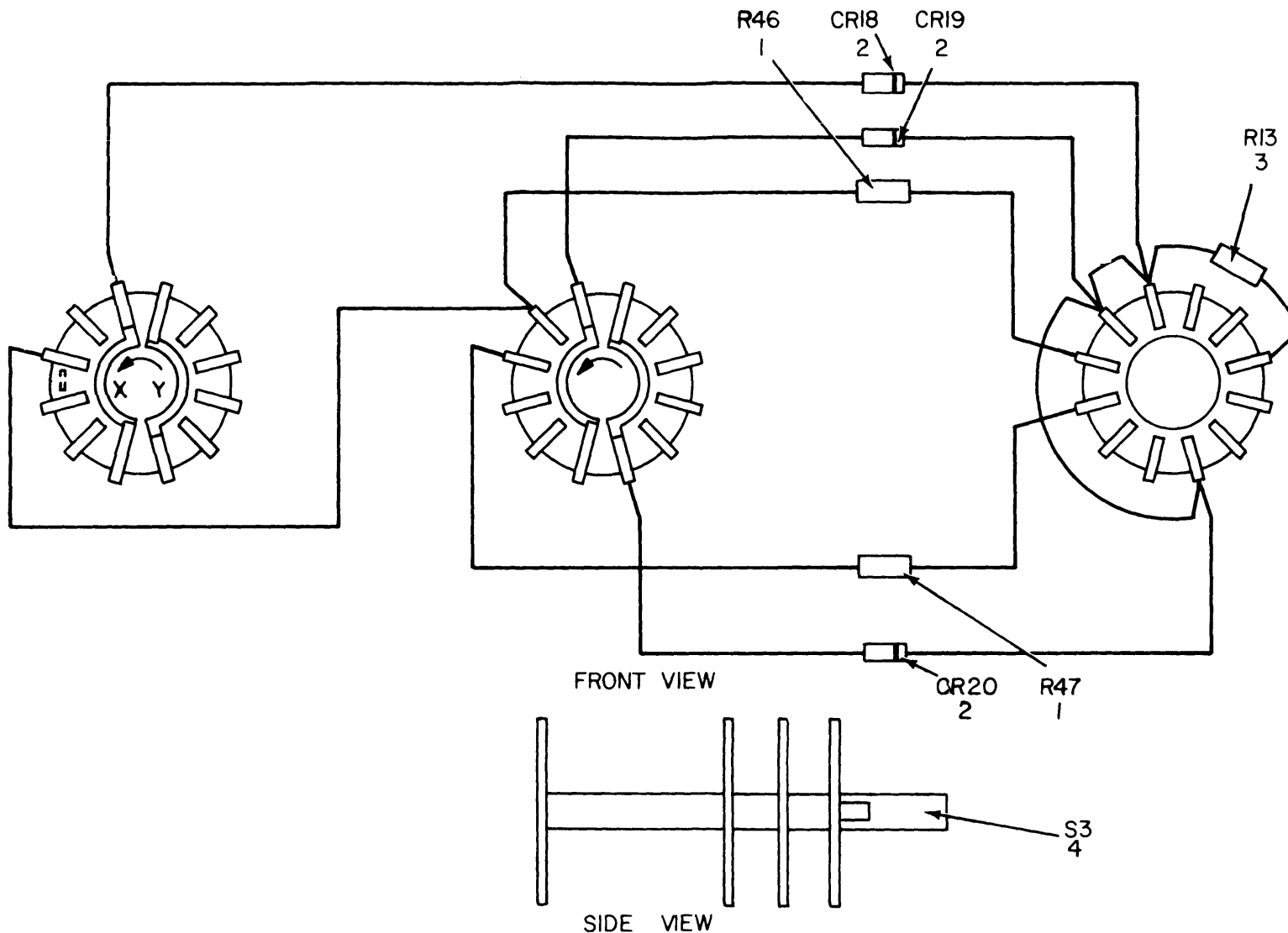


Figure 2. Panel and Chassis Assembly (A1).

SECTION II

TM 11-6780-220-24P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(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
						GROUP 01 PANEL AND CHASSIS ASSEMBLY (A1)		
2	1	XDFZZ		7148-1007	11871	PANEL	EA	1
2	2	XDFZZ		7148-1020	11871	VOLTMETER	EA	1
2	3	PAOZZ	6240-00-155-7836	MS25237-327	96906	LAMP, INCANDESCENT	EA	14
2	4	PAFZZ	6210-00-553-1076	MS25041-7	96906	LIGHT, INDICATOR	EA	6
2	5	PAFZZ	6210-00-635-4700	MS25041-8	96906	LIGHT, INDICATOR	EA	6
2	6	XDDZZ		7140-517-3	11871	PANEL, IDENT	EA	1
2	7	PAFZZ	6210-00-916-6182	819-1030-0097-506	72619	LIGHT, INDICATOR	EA	1
2	8	PAOZZ	6240-00-123-3378	C9A	80204	LAMP, GLOW	EA	1
2	9	PAFZZ	6210-00-519-0448	MS25041-6	96906	LIGHT, INDICATOR	EA	2
2	10	XDFZZ		MS25089-029	96906	SWITCH, PUSH	EA	1
2	11	PAFZZ	5930-00-496-7173	12-1425DL34R1L	97564	SWITCH, PUSH	EA	1
2	12	XDFZZ		7148-1053	11871	NUT. PLAIN, HEXAGON	EA	1
2	13	XDFZZ		1730-01	78189	WASHER, LOCK	EA	1
2	14	PAFZZ	5930-00-615-7882	MS3059-27	96906	SWITCH, TOGGLE	EA	1
2	15	XDFZZ		7148-1028	11871	BUSHING, SWITCH	EA	1
2	16	XDFFF		7148-1022	11871	SWITCH AND CMPNT	EA	1
2	17	PAOZZ	5355-00-751-7597	70-8WL2G	49956	KNOB	EA	1
2	18	PAFZZ	5930-00-655-1515	MS35058-23	96906	SWITCH, TOGGLE	EA	1
2	19	PAFZZ	5930-00-655-1575	MS35059-22	96906	SWITCH, TOGGLE	EA	1
2	20	PAFZZ	5920-00-556-0144	FHN20G	81349	FUSEHOLDER, EXTRACTO	EA	2
2	21	PAOZZ	5920-00-010-6652	F02A250V3A	81349	FUSE, CARTRIDGE	EA	1
2	22	PAOZZ	5920-00-280-8342	F02A250V1A	81349	FUSE, CARTRIDGE	EA	1
2	23	PAFZZ	5930-00-850-9589	DS00-3S	17419	CONNECTOR, RCPT, ELEC	EA	1
2	24	XDFZZ	5340-00-968-2877	2385-3-14	71279	HANDLE, BOW	EA	2
2	25	PAFZZ	5935-00-850-9591	DS00-7S	11139	CONNECTOR, RECEPTACL	EA	1
2	26	XDFZZ		CAV70A10-7	11871	SCREW, MACHINE	EA	4
2	27	XDFZZ		MS35337-24	96906	WASHER, LOCK	EA	4
2	28	PAFZZ	5935-00-445-1634	D300-37P	11139	CONNECTOR, RECEPTACL	EA	1
2	29	XDFZZ		CAV70A4-6	11871	SCREW, MACHINE	EA	12
2	30	XDFZZ	5310-00-782-1349	MS15795-804	96906	WASHER, FLAT	EA	12
2	31	XDFZZ	5310-00-614-3500	68-1660-40	72962	NUT, SELF-LOCKING, HE	EA	12
2	32	XDFFF		6679-117-20	11871	SWITCH ASSEMBLY	EA	1
2	33	PAOZZ	6240-00-155-7836	MS25237-327	96906	LAMP, INCANDESCENT	EA	4
2	34	XDFDD		7148-1030	11871	CHAS AND CMPNT ASSY	EA	1
2	35	XDFZZ		CAV7006-6	11871	SCREW, MACHINE	EA	24
2	36	XDFZZ		7148-1023	11876	SUPPORT, SIDE CHAS	EA	2
2	37	XDFDD		7148-1025	11871	CHAS AND CMPNT ASSY	EA	1
2	38	XDFFF		7148-1040	11871	CHAS AND CMPNT ASSY	EA	1
2	39	XDFSS		7148-1035	11871	CHAS AND CMPNT ASSY	EA	1



NOTE: FOR COMPLETE REFERENCE
DESIGNATION PREFIX WITH A1A3.

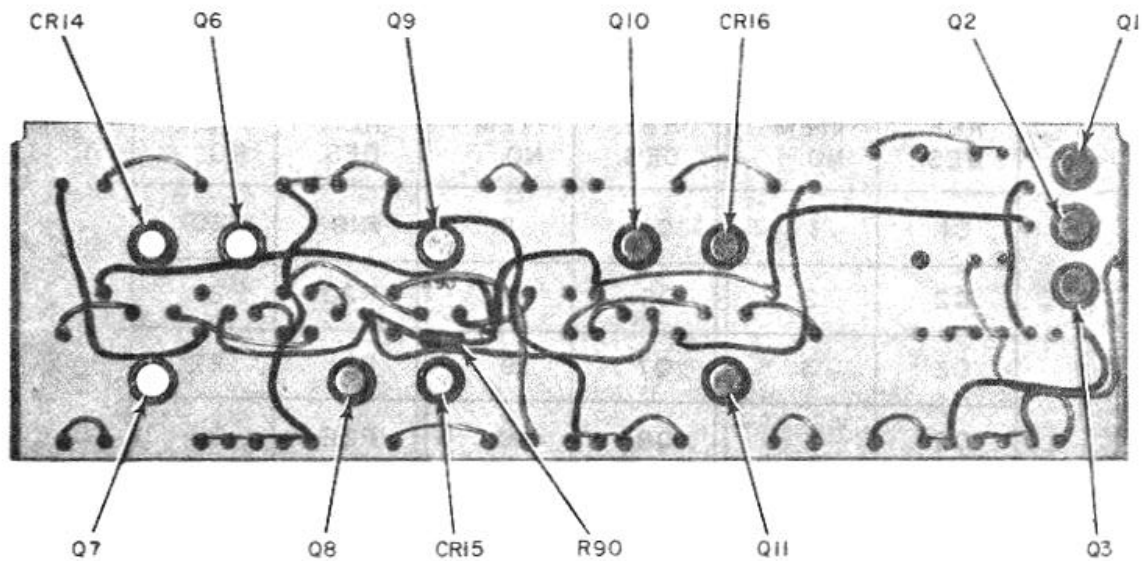
EL3HU003

Figure 3. Switch and Component Assembly (A1A3).

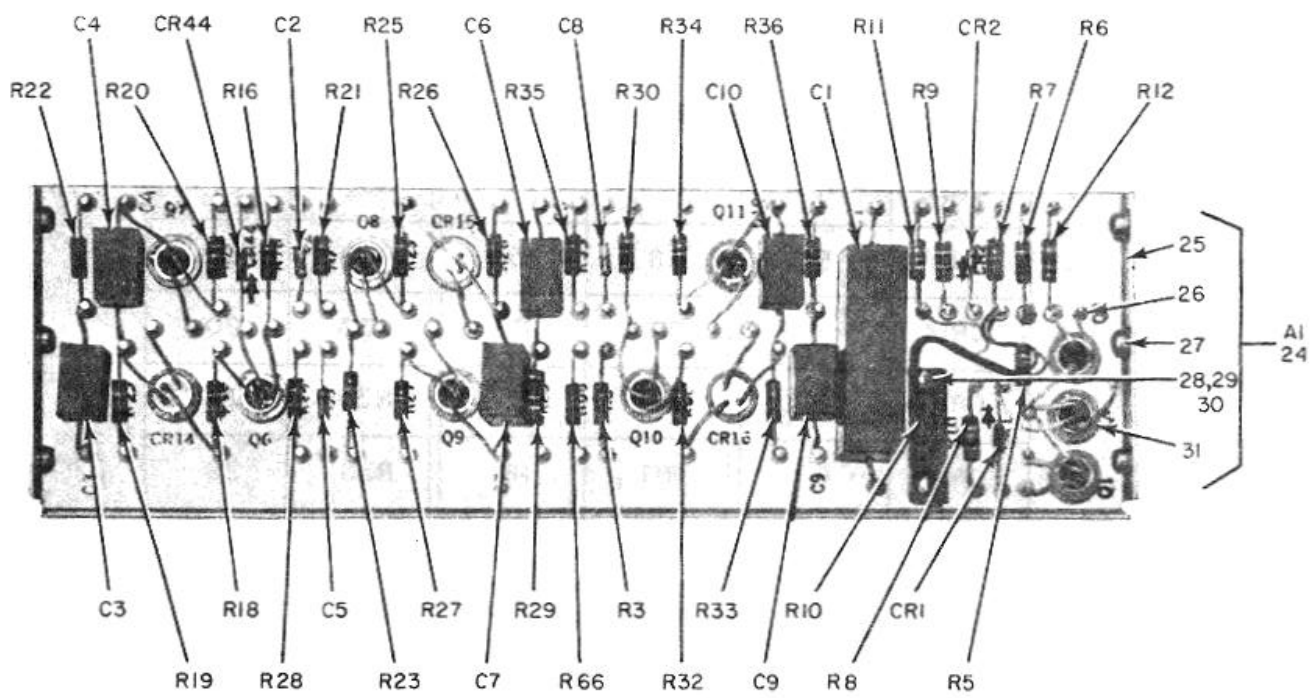
SECTION II

TM 11-6780-220-24P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(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
						GROUP 0101 SWITCH AND COMPONENT ASSEMBLY (A1A3)		
3	1	PAFZZ	5905-00-195-6806	RC20GF102J	81349	RESISTOR, FIXED, COMP.....	EA	2
3	2	PAFZZ	5961-00-840-5466	JAN1N485B	81349	SEMICONDUCTOR DEVICE, DIODE	EA	3
3	3	PAFZZ	5905-00-185-8510	RC20GF103J	81349	RESISTOR, FIXED, COMP.....	EA	1
3	4	PAFZZ	5930-00-912-1090	6679-132-15	11871	SWITCH, ROTARY	EA	1



TOP VIEW



BOTTOM VIEW

EL3HU004

Figure 4. Chassis and Component Assembly (A1A4) (Sheet 1 of 2).

REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.
C1	1	Q3	9	R19	20
C2	2	Q6	10	R20	21
C3	3	Q7	9	R21	22
C4	3	Q8	10	R22	20
C5	2	Q9	9	R23	12
C6	3	Q10	10	R25	20
C7	3	Q11	9	R26	20
C8	2	R3	11	R27	21
C9	3	R5	12	R28	22
C10	3	R6	13	R29	20
CR1	4	R7	14	R30	12
CR2	5	R8	15	R32	20
CR14	6	R9	16	R33	20
CR15	6	R10	17	R34	21
CR16	6	R11	18	R35	22
CR44	7	R12	19	R36	20
Q1	8	R16	12	R66	23
Q2	8	R18	20	R90	14

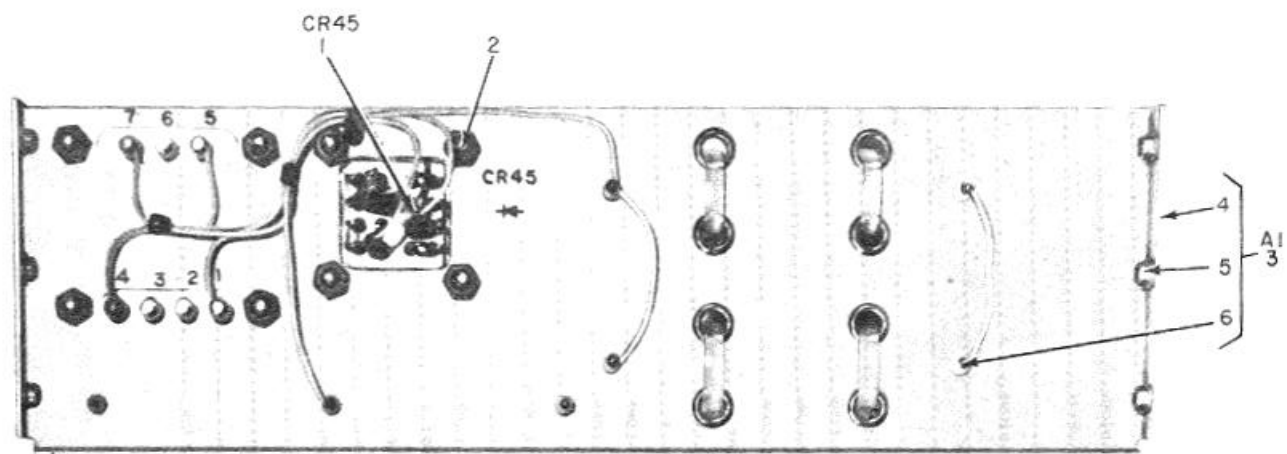
EL3HU005

Figure 4. Chassis and Component Assembly (A1A4) (Sheet 2 of 2).

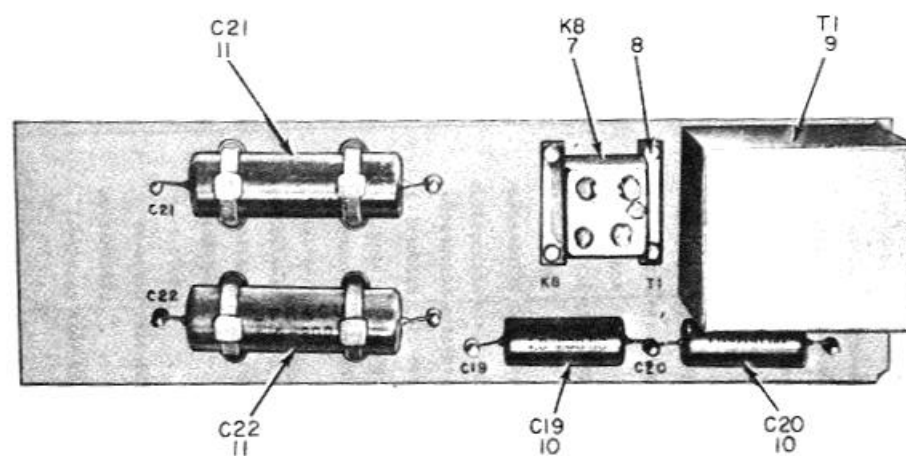
SECTION II

TM 11-6780-220-24P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(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
						GROUP 0102 CHASSIS AND COMPONENT ASSEMBLY (A1A4)		
4	1	XDFZZ		85X405K	12406	CAPACITOR, FXD, PPR.....	EA	1
4	2	XDFZZ		CK1T511K	14158	CAPACITOR, FXD, CER.....	EA	3
4	3	PAFZZ	5910-00-947-5763	2DE1-105D	99515	CAPACITOR, FXD, METALLIC.....	EA	6
4	4	PAFZZ	5961-00-840-5466	JAN1N485B	81349	SEMICONDUCTOR, DIODE.....	EA	1
4	5	PAFZZ	5961-00-973-2261	5262-713	11871	SEMICONDUCTOR DEVIC.....	EA	1
4	6	PAFZZ	5961-00-814-8865	2N1595	09214	TRANSISTOR.....	EA	3
4	7	PAFZZ	5961-00-847-5246	JAN1N746A	81349	SEMICONDUCTOR, DIODE.....	EA	1
4	8	PAFZZ	5961-00-844-0686	2N1613	80131	TRANSISTOR.....	EA	2
4	9	PAFZZ	5961-00-990-4605	2N1671B	04713	TRANSISTOR.....	EA	4
4	10	PAFZZ	5961-00-855-1551	JAN2N1132	81349	TRANSISTOR.....	EA	3
4	11	PAFZZ	5905-00-279-3500	RC20GF183J	81349	RESISTOR, FIXED, COMP.....	EA	1
4	12	PAFZZ	5905-00-185-8510	RC20GF103J	81349	RESISTOR, FIXED, COMP.....	EA	4
4	13	PAFZZ	5905-00-299-1911	RC20GF822J	81349	RESISTOR, FIXED, COMP.....	EA	1
4	14	PAFZZ	5905-00-279-1816	RC20GF222J	81349	RESISTOR, FIXED, COMP.....	EA	2
4	15	XDFZZ		RC20GF563J	81349	RESISTOR, FIXED, CMPSN.....	EA	1
4	16	PAFZZ	5905-00-279-3503	RC20GF682J	81349	RESISTOR, FIXED, COMP.....	EA	1
4	17	XDFZZ		55LR500K	73138	RESISTOR, VARIABLE.....	EA	1
4	18	PAFZZ	5905-00-192-0667	RC20GF224J	81349	RESISTOR, FIXED, COMP.....	EA	1
4	19	PAFZZ	5905-00-104-8334	RCR20G331JS	81349	RESISTOR, FIXED, COMP.....	EA	1
4	20	PAFZZ	5905-00-195-6806	RC20GF102J	81349	RESISTOR, FIXED, COMP.....	EA	9
4	21	PAFZZ	5905-00-279-2522	RC20GF154J	81349	RESISTOR, FIXED, COMP.....	EA	3
4	21	PAFZZ	5905-00-108-6922	RCR20G151JS	81349	RESISTOR FIXED C.....	EA	3
4	23	PAFZZ	5905-00-279-3496	RC20GF513J	81349	RESISTOR, FIXED, COMP.....	EA	1
4	24	XDFDD		7148-1026	11871	CHASSIS ELEC EQPT.....	EA	1
4	25	XDDZZ		7148-1026-1	11871	CHASSIS ELEC EQPT.....	EA	1
4	26	PAFZZ	5940-00-583-7242	FTSM2TUR	98291	TERMINAL, FEEDTHRU, I.....	EA	85
4	27	XDFZZ		12NCFMA2-62	72962	NUT, PLAIN, CLINCH.....	EA	6
4	28	XDFZZ		CAV70-2-8P	11871	SCREW, MACHINE.....	EA	2
4	29	XDFZZ	5365-00-753-3669	CAV10-5P	11871	SHIM.....	EA	2
4	30	XDFZZ		22NCFMA2-26	72962	NUT, PLAIN, CLINCH.....	EA	2
4	31	PAFZZ	5961-00-085-4037	G327188-1	64959	RETAINER, TRANSISTOR.....	EA	12



TOP VIEW



BOTTOM VIEW

NOTE: FOR COMPLETE REFERENCE DESIGNATION
PREFIX WITH A1A5.

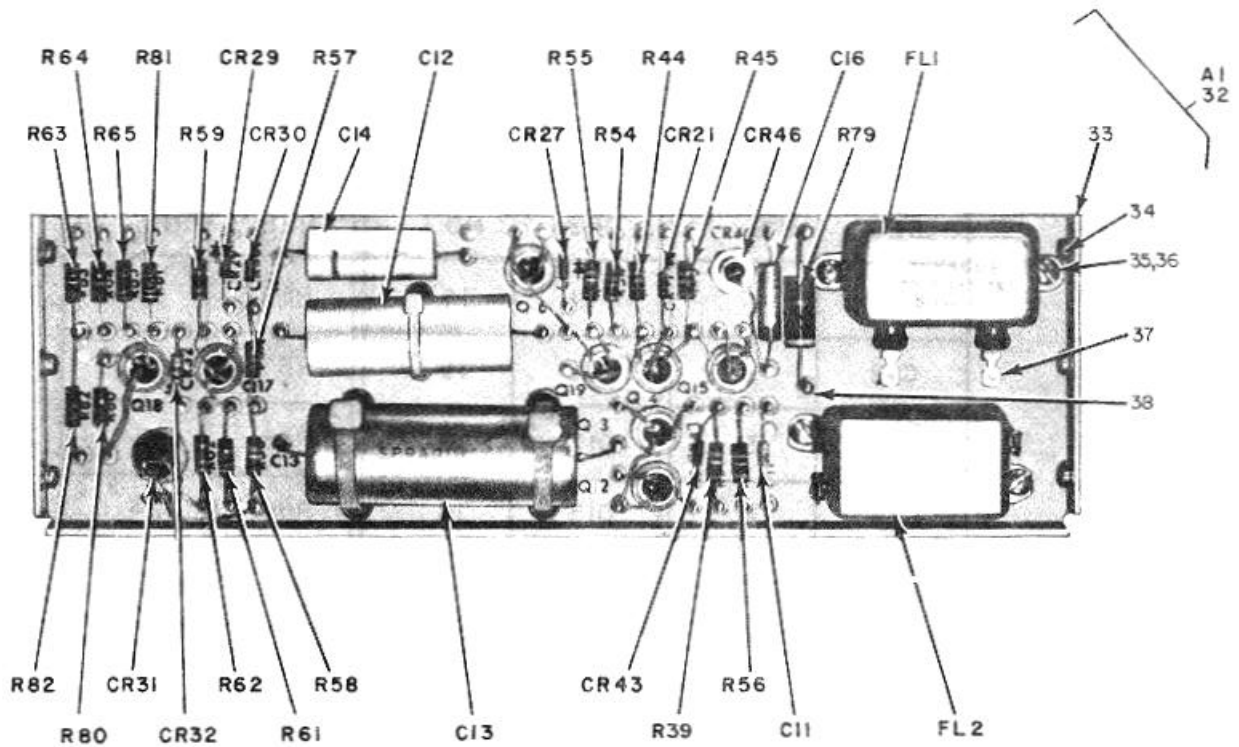
EL3HU006

Figure 5. Chassis and Component Assembly (A1A5).

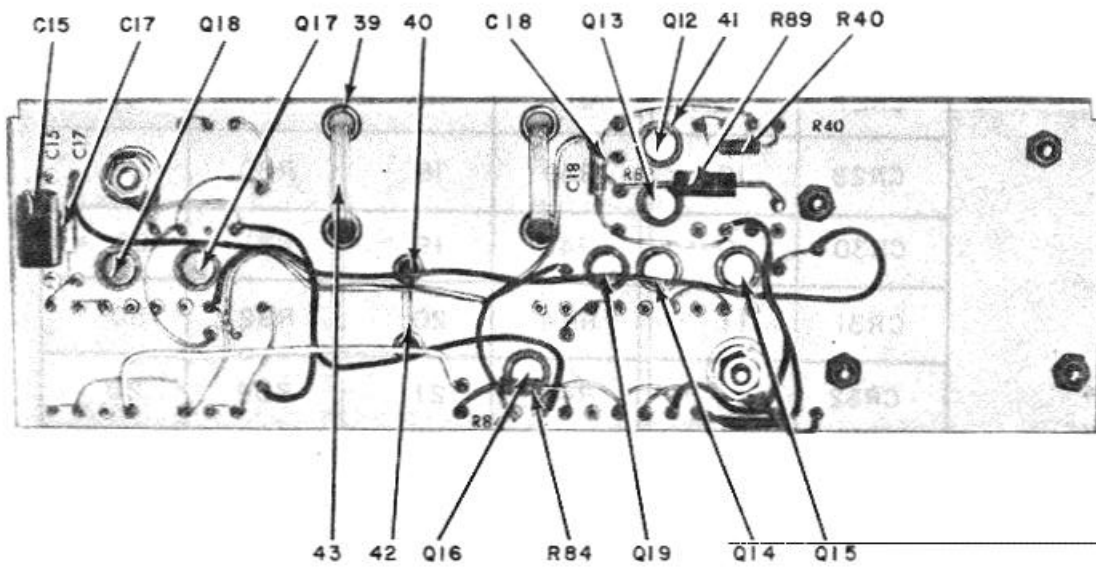
SECTION II

TM 11-6780-220-24P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(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
						GROUP 0103 CHASSIS AND COMPONENT ASSEMBLY (A1A5)		
5	1	PAFZZ	5961-00-577-6084	JAN1N645	81349	SEMICONDUCTOR DEVIC	EA	1
5	2	XDFZZ	5310-00-857-5547	MS21044D06	96906	NUT, SELF-LOCKING, HEAGON	EA	8
5	3	XDFDD		7148-1031	11871	CHASSIS, ELEC EQPNT	EA	1
5	4	XDDZZ		7148-1031-1	11871	CHASSIS, ELEC EQPNT	EA	1
5	5	XDFZZ		12NCFMA2-62	72962	NUT, PLAIN, CLINCH	EA	6
5	6	XDFZZ		22NCFMA2-40	72962	NUT, PLAIN, CLINCH	EA	16
5	7	PAFZZ	5945-00-891-4604	BR14X150B8-26V	82050	RELAY, ARMATURE	EA	1
5	8	XDFZZ	5305-00-925-4774	MS35275-214	96906	SCREW, MACHINE	EA	16
5	9	PAFZZ	5950-00-764-7244	M8066	00348	TRANSFORMER, POWER, S.....	EA	1
5	10	XDFZZ		260P10502S4	52689	CAPACITOR	EA	2
5	11	XDFZZ		260P50502S4	52689	CAPACITOR	EA	2



TOP VIEW



BOTTOM VIEW

EL3HU007

Figure 6. Chassis and Component Assembly (A1A6) (Sheet 1 of 2).

REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.
C11	1	FL1	14	R56	18
C12	2	FL2	15	R57	23
C13	3	Q12	16	R58	18
C14	4	Q13	16	R59	24
C15	5	Q14	16	R61	25
C16	6	Q15	16	R62	26
C17	7	Q16	16	R63	18
C18	7	Q17	17	R64	21
CR21	8	Q18	16	R65	24
CR27	9	Q19	16	R79	27
CR29	10	R39	18	R80	28
CR30	10	R40	19	R81	29
CR31	11	R44	20	R82	30
CR32	12	R45	21	R84	20
CR43	8	R54	22	R89	31
CR46	13	R55	18		

EL3HU008

Figure 6. Chassis and Component Assembly (A1A6) (Sheet 2 of 2).

SECTION II

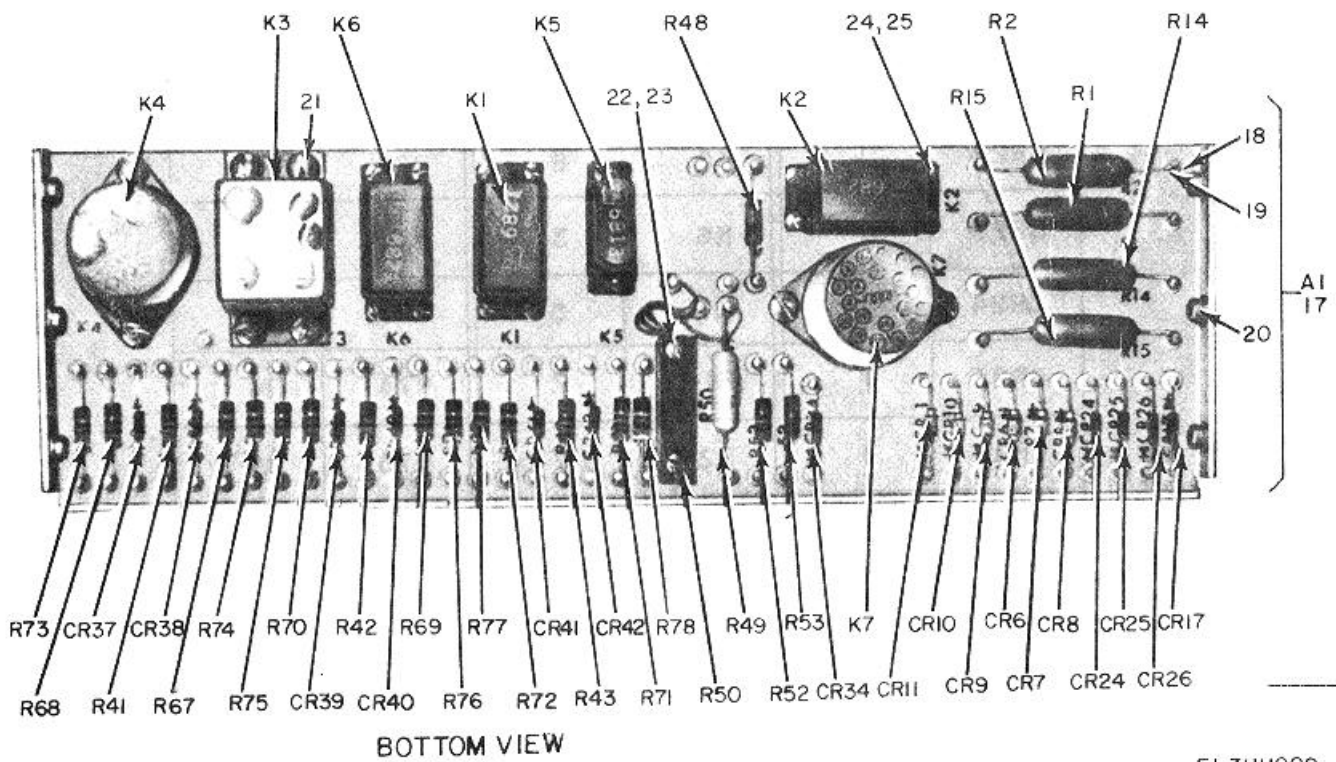
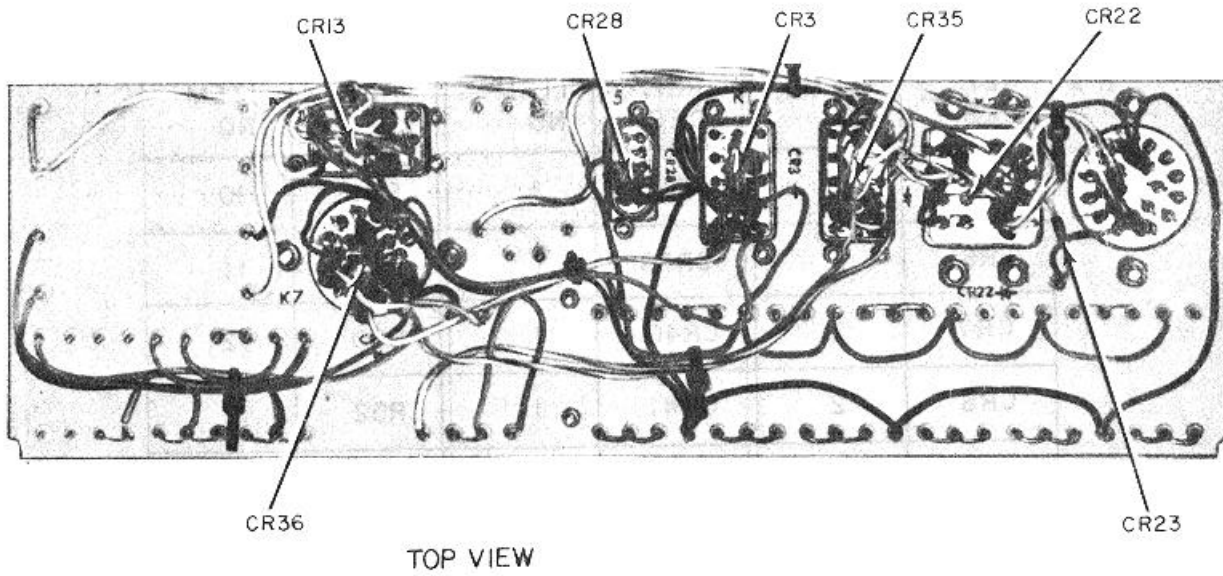
TM 11-6780-220-24P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(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
						GROUP 0104 CHASSIS AND COMPONENT ASSEMBLY (A1A6)		
6	1	PAFZZ	5910-00-422-3834	MI60246-037	72136	CAPACITOR, FXD, CER.....	EA	1
6	2	XDFZZ		338-292K	72928	CAPACITOR, FXD, PLSTC.....	EA	1
6	3	PAFZZ	5910-00-682-3736	118P30594S2	56289	CAPACITOR, FXD, PPR.....	EA	1
6	4	XDFZZ		338-293K	72928	CAPACITOR, FXD, PLSTC.....	EA	1
6	5	PAFZZ	5910-00-834-6307	2DE1-504E	99515	CAPACITOR, FIXED, MET.....	EA	1
6	6	PAFZZ	5910-00-739-7804	62F403	06001	CAPACITOR, FIXED, ELE.....	EA	1
6	7	PAFZZ	5910-00-908-9372	C101A104K	16546	CAPACITOR, FIXED, CER.....	EA	2
6	8	PAFZZ	5961-00-840-5466	JAN1N485B	81349	SEMICONDUCTOR, DIODE.....	EA	2
6	9	PAFZZ	5961-00-752-6115	1N964B	81349	SEMICONDUCTOR DEVIC.....	EA	1
6	10	PAFZZ	5961-00-723-3602	JAN1N3612	81349	SEMICONDUCTOR DEVIC.....	EA	2
6	11	PAFZZ	5961-00-496-7914	MCR729-5	11871	SEMICONDUCTOR, DIODE.....	EA	1
6	12	PAFZZ	5961-00-577-6085	1N647	80131	SEMICONDUCTOR, DIODE.....	EA	1
6	13	PAFZZ	5961-00-849-4182	1N2985RB	81349	SEMICONDUCTOR, DIODE.....	EA	1
6	14	PAFZZ	5910-00-112-7408	CP5381LEF504K1	81349	CAPACITOR, FIXED, PAP.....	EA	1
6	15	PAFZZ	5915-00-912-4098	RF1532	13619	FILTER, RADIO FREQUE.....	EA	1
6	16	PAFZZ	5961-00-844-0686	2N1613	80131	TRANSISTOR.....	EA	7
6	17	PAFZZ	5961-00-855-1551	JAN2N1132	81349	TRANSISTOR.....	EA	1
6	18	PAFZZ	5905-00-195-6761	RC20GF104J	81349	RESISTOR, FIXED, COMP.....	EA	5
6	19	PAFZZ	5905-00-195-6806	RC20GF102J	81349	RESISTOR, FIXED, COMP.....	EA	1
6	20	PAFZZ	5905-00-171-2004	RC20GF223J	81349	RESISTOR, FIXED, CMPSN.....	EA	2
6	21	PAFZZ	5905-00-185-8510	RC20GF103J	81349	RESISTOR, FIXED, COMP.....	EA	2
6	22	PAFZZ	5905-00-254-9201	RC20GF473J	81349	RESISTOR, FIXED, COMP.....	EA	1
6	23	PAFZZ	5905-00-249-3656	RC20GF623J	81349	RESISTOR, FIXED, COMP.....	EA	1
6	24	PAFZZ	5905-00-279-3506	RC20GF332J	81349	RESISTOR, FIXED, COMP.....	EA	2
6	25	PAFZZ	5905-00-195-6791	RC20GF681J	81349	RESISTOR, FIXED, CMPSN.....	EA	1
6	26	PAFZZ	5905-00-104-8334	RCR20G331JS	81349	RESISTOR, FIXED, COMP.....	EA	1
6	27	PAFZZ	5905-00-279-3527	RC42GF470J	81349	RESISTOR, FIXED, COMP.....	EA	1
6	28	PAFZZ	5905-00-279-1876	RC20GF222J	81349	RESISTOR, FIXED, COMP.....	EA	1
6	29	PAFZZ	5905-00-192-3973	RC20GF471J	81349	RESISTOR, FIXED, COMP.....	EA	1
6	30	PAFZZ	5905-00-195-6800	RC20GF561J	81349	RESISTOR, FIXED, COMP.....	EA	1
6	31	PAFZZ	5905-00-279-1512	RCR32G100JS	81349	RESISTOR.....	EA	1
6	32	XDFDD		7148-1036	11876	CHASSIS, ELEC EQPT.....	EA	1
6	33	XDDZZ		7148-1036-1	11871	CHASSIS, ELEC EQPT.....	EA	1
6	34	XDFZZ		12NCFMA2-62	72962	NUT, PLAIN CLINCH.....	EA	6
6	35	XDFZZ		CAV70-6-6P	11871	SCREW, MACHINE.....	EA	4
6	36	XDFZZ	5310-00-081-8087	MS21044N06	96906	NUT, SELF-LOCKING.....	EA	4
6	37	PAFZZ	5940-00-553-2471	RSTSM1TUR	98291	TERMINAL, STUD.....	EA	2
6	38	PAFZZ	5940-00-583-7242	FTSM2TUR	98291	TERMINAL, FEEDTHRU, I.....	EA	65

SECTION II

TM 11-6780-220-24P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(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
6	39	XDFZZ		SE84	07707	EYELET, METALLIC	EA	4
6	40	XDFZZ	5325-00-171-5733	SE64	61957	EYELET, METALLIC	EA	2
6	41	PAFZZ	5961-00-085-4037	G327188-1	64959	RETAINER, TRANSISTOR.....	EA	8
6	42	XDFZZ	5975-00-727-5153	SST1MC	06383	STRAP, LINE SUPPORT.....	EA	1
6	43	XDFZZ	5975-00-074-2072	SST2SC	06383	STRAP, TIEDOWN, ELECT.....	EA	2



FL3HU009

Figure 7. Chassis and Component Assembly (A1A7) (Sheet 1 of 2).

REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.
CR3	1	CR38	1	R48	10
CR6	2	CR39	1	R49	11
CR7	2	CR40	1	R50	12
CR8	2	CR41	1	R52	13
CR9	2	CR42	1	R53	14
CR10	2	K1	3	R67	15
CR11	2	K2	3	R68	15
CR13	1	K3	4	R69	15
CR17	1	K4	5	R70	15
CR22	1	K5	6	R71	15
CR23	1	K6	3	R72	15
CR24	1	K7	5	R73	16
CR25	1	R1	7	R74	16
CR26	1	R2	7	R75	16
CR28	1	R14	8	R76	16
CR34	1	R15	8	R77	16
CR35	1	R41	9	R78	16
CR36	1	R42	9		
CR37	1	R43	9		

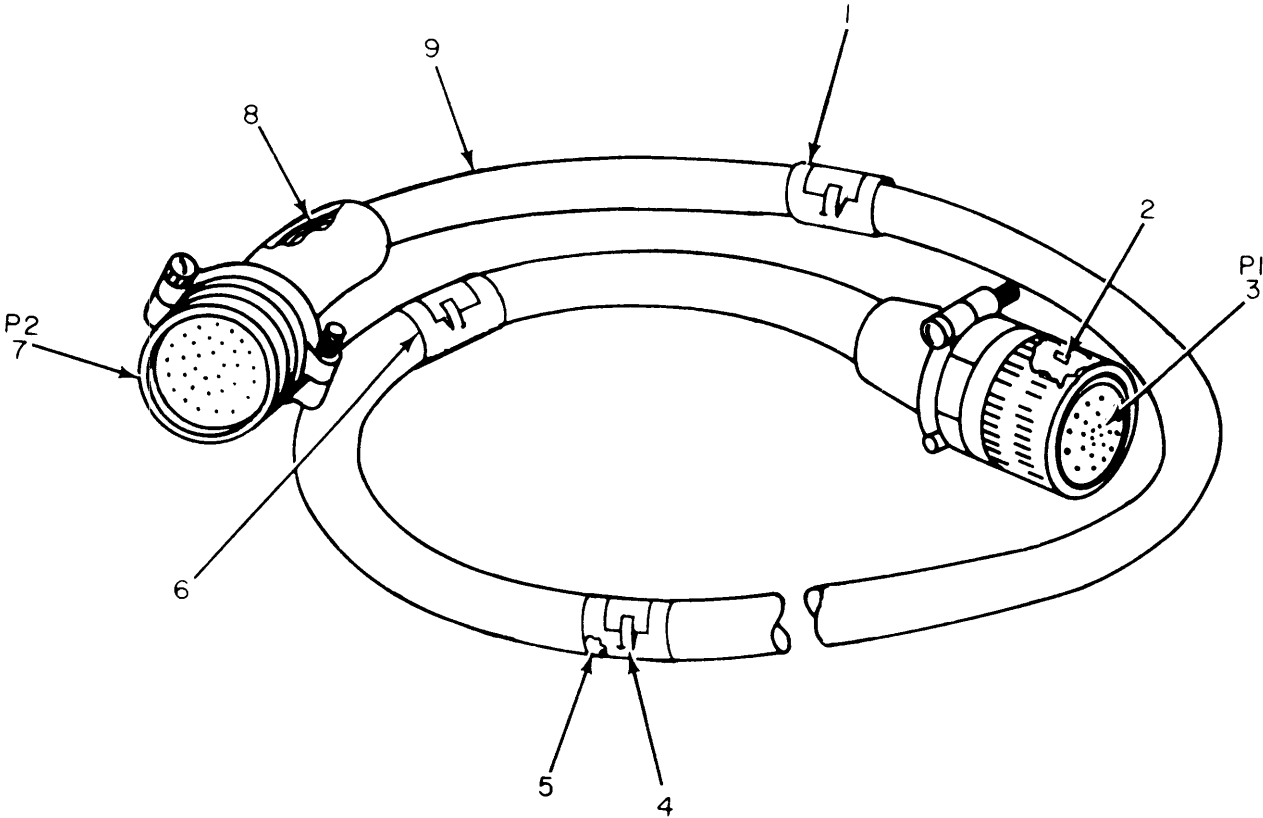
EL3HU010

Figure 7. Chassis and Component Assembly (A1A7) (Sheet 2 of 2).

SECTION II

TM 11-6780-220-24P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(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
						GROUP 0105 CHASSIS AND COMPONENT ASSEMBLY (A1A7)		
7	1	PAFZZ	5961-00-840-5466	JAN1N485B	81349	SEMICONDUCTOR DEVICE, DIODE	EA	18
7	2	PAFZZ	5961-00-577-6085	1N647	80131	SEMICONDUCTOR, DIODE.....	EA	6
7	3	PAFZZ	5945-00-401-6252	3SAH1080	01526	RELAY, ARMATURE	EA	3
7	4	PAFZZ	5945-00-913-1215	BR14X150B2-26V	82050	RELAY, ARMATURE	EA	1
7	5	PAFZZ	5945-00-868-8643	V265RB18C	99699	RELAY, ARMATURE	EA	2
7	6	PAFZZ	5945-00-998-5479	RY4NA3B3L02	81349	RELAY, ARMATURE	EA	1
7	7	PAFZZ	5905-00-855-2544	RW67V222	81349	RESISTOR, FIXED, WIRE.....	EA	2
7	8	PAFZZ	5905-00-087-6593	RW67V152	81349	RESISTOR, FIXED, WIRE.....	EA	2
7	9	PAFZZ	5905-00-279-3499	RC20GF273J	81349	RESISTOR, FIXED, COMP.....	EA	3
7	10	PAFZZ	5905-00-195-6806	RC20GF102J	81349	RESISTOR, FIXED, COMP.....	EA	1
7	11	XDFZZ		RN70B9533F	81349	RESISTOR, FXD, FILM	EA	1
7	12	XDFZZ		50K55L	73138	RESISTOR, VARIABLE	EA	1
7	13	PAFZZ	5905-00-185-8510	RC20GF103J	81349	RESISTOR, FIXED, COMP.....	EA	1
7	14	PAFZZ	5905-00-279-2019	RC20GF512J	81349	RESISTOR, FIXED, COMP.....	EA	1
7	15	PAFZZ	5905-00-279-1876	RC20GF222J	81349	RESISTOR, FIXED, COMP.....	EA	6
7	16	PAFZZ	5905-00-254-7100	RC20GF913J	81349	RESISTOR, FIXED, COMP.....	EA	6
7	17	XDFFF		7148-1041	11871	CHASSIS, ELEC	EA	1
7	18	XDFZZ		7148-1041-1	11871	CHASSIS, ELEC	EA	1
7	19	PAFZZ	5940-00-583-7242	FTSM2TUR	98291	TERMINAL, FEEDTHRU, I.....	EA	86
7	20	XDFZZ		12NCFMA2-62	72926	NUT, PLAIN, CLINCH	EA	14
7	21	XDFZZ		CAV70-6-5P	11871	SCREW, MACHINE	EA	8
7	22	XDFZZ		CAV70-2-8P	18711	SCREW, MACHINE	EA	2
7	23	XDFZZ		22NCFMA2-26	72926	NUT, PLAIN, CLINCH	EA	2
7	24	XDFZZ		CAV70-2-5P	11871	SCREW, MACHINE	EA	14
7	25	XDFZZ	5310-00-815-0653	79NM26	72962	NUT, SELF-LOCKING, HE.....	EA	14



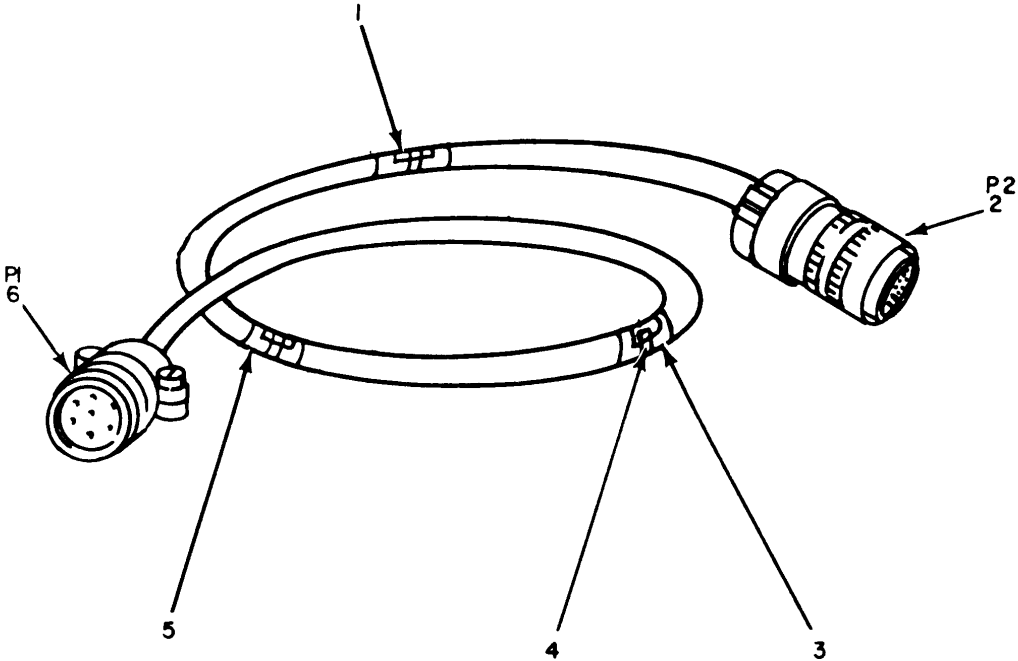
EL3HU011

Figure 8. Cable Assembly LM-192A (W1).

SECTION II

TM 11-6780-220-24P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(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
						GROUP 02 CABLE ASSEMBLY LM-192A (W1)		
8	1	XDDZZ		CAV176-176	11871	BAND, MARKER, CABLE	EA	1
8	2	XDFZZ	5940-00-722-4352	YNC90	09922	FERRULE, ELEC CNDCT	EA	11
8	3	PAFZZ	5935-00-704-5840	DS07-375059	11139	CONNECTOR, PLUG, ELEC	EA	1
8	4	PAFZZ	5975-00-727-5153	SST1MC	06383	STRAP, LINE SUPPORT	EA	3
8	5	XDDZZ		CAV176-177	11871	BAND, MARKER, CABLE	EA	1
8	6	XDDZZ		CAV176-178	11871	BAND MARKER, CABLE	EA	1
8	7	PAFZZ	5935-00-704-5836	DS07-37P059	11139	CONNECTOR, PLUG, ELEC	EA	1
8	8	XDFZZ	5940-00-615-5738	Y0E90	09922	FERRULE, RADIO FREQ	EA	1
8	9	PAFZZ	6145-00-934-0307	TRT24-19S2R0-9-0	06090	CABLE, SP, ELEC OR	FT	1
8	9	XDDZZ		TRT24-19ST3RO-2-9-9	06090	CABLE, SP, ELEC	FT	1



EL3HU012

Figure 9. Cable Assembly LM-193A (W2).

SECTION II

TM 11-6780-220-24P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(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
						GROUP 03 CABLE ASSEMBLY LM-193A (W2)		
9	1	XDDZZ		CAV176-180	11871	BAND, MARKER, CABLE	EA	1
9	2	PAFZZ	5935-00-850-0637	DS07-7P059	17419	CONNECTOR, PLUG, ELEC	EA	1
9	3	XDDZZ		CAV176-181	11871	BAND, MARKER, CABLE	EA	1
9	4	XDFZZ	5975-00-727-5153	SST1MC	06383	STRAP, LINE SUPPORT	EA	3
9	5	XDDZZ		CAV176-179	11871	BAND, MARKER, CABLE	EA	1
9	6	PAFZZ	5935-00-707-5379	DS07-7S059	17419	CONNECTOR, PLUG, ELEC	EA	1

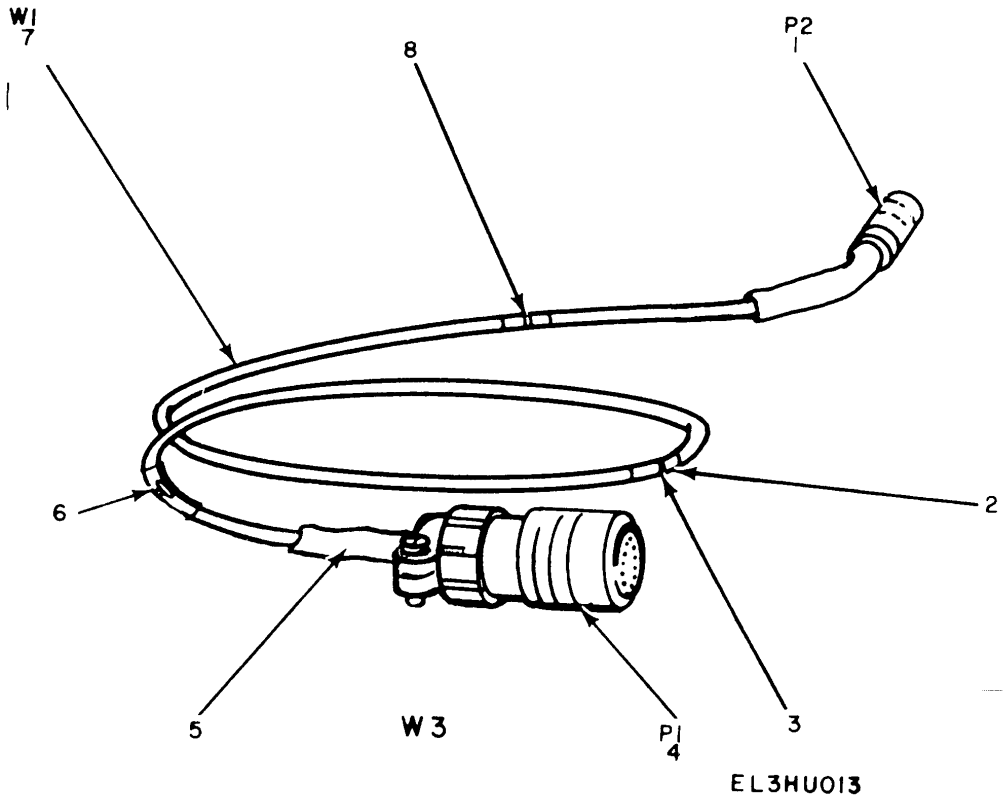
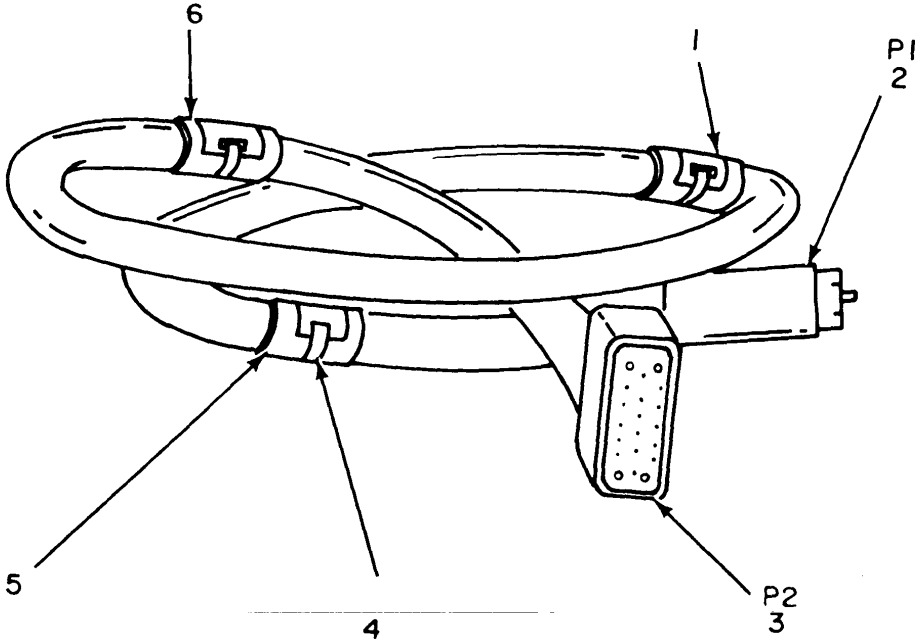


Figure 10. Cable Assembly LM-194A (W3).

SECTION II

TM 11-6780-220-24P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(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
						GROUP 04 CABLE ASSEMBLY LM-194A (W3)		
10	1	PAFZZ	5935-00-581-3284	M4PLSH14	81312	CONNECTOR, PLUG, ELEC.....	EA	1
10	2	XDDZZ		CAV176-182	11871	BAND, MARKER, CABLE.....	EA	1
10	3	XDFZZ	5975-00-727-5153	SST1MC	06383	STRAP, LINE SUPPORT.....	EA	3
10	4	PAFZZ	5935-00-901-3328	DS07-3P059	11139	CONNECTOR, PLUG, ELEC.....	EA	1
10	5	XDFZZ	5365-00-598-5417	AN3420-3	81352	BUSHING, RUBBER.....	EA	1
10	6	XDDZZ		CAV176-184	11871	BAND, MARKER, CABLE.....	EA	1
10	7	XDFZZ	6145-00-934-0307	TRT24-19ST2R0-9-0	06090	CABLE, SPECIAL PURPO.....	FT	1
10	8	XDDZZ		CAV176-183	11871	BAND, MARKER, CABLE.....	EA	1



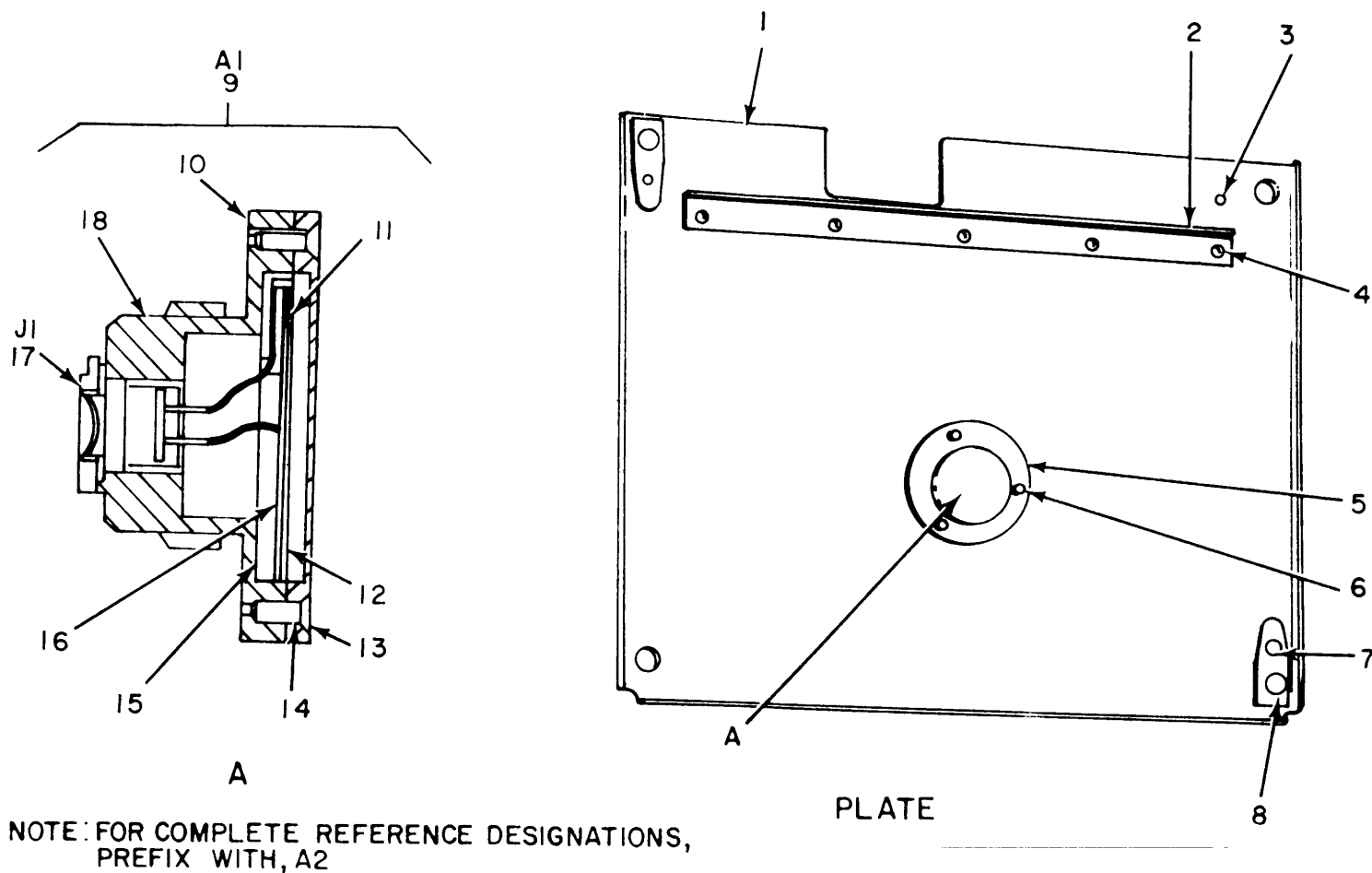
EL3HU014

Figure 11. Cable Assembly LM-195A (W4).

SECTION II

TM 11-6780-220-24P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(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
11	1	XDDZZ		CAV-176-185	11871	GROUP 05 CABLE ASSEMBLY LM-195A (W4)		
11	2	PAFZZ	5935-00-498-1991	6476-212-2	11871	BAND, MARKER, CABLE	EA	1
11	3	PAFZZ	5935-00-924-4445	SM34-20SGDS	95328	CONNECTOR, PLUG, ELEC	EA	1
11	4	XDFZZ	5975-00-727-5153	SST1MC	06383	CONNECTOR, PLUG, ELEC	EA	1
11	5	XDDZZ		CAV176-186	11871	STRAP, LINE SUPPORT	EA	3
11	6	XDDZZ		CAV176-187	11871	BAND, MARKER, CABLE	EA	1
						BAND, MARKER, CABLE	EA	1



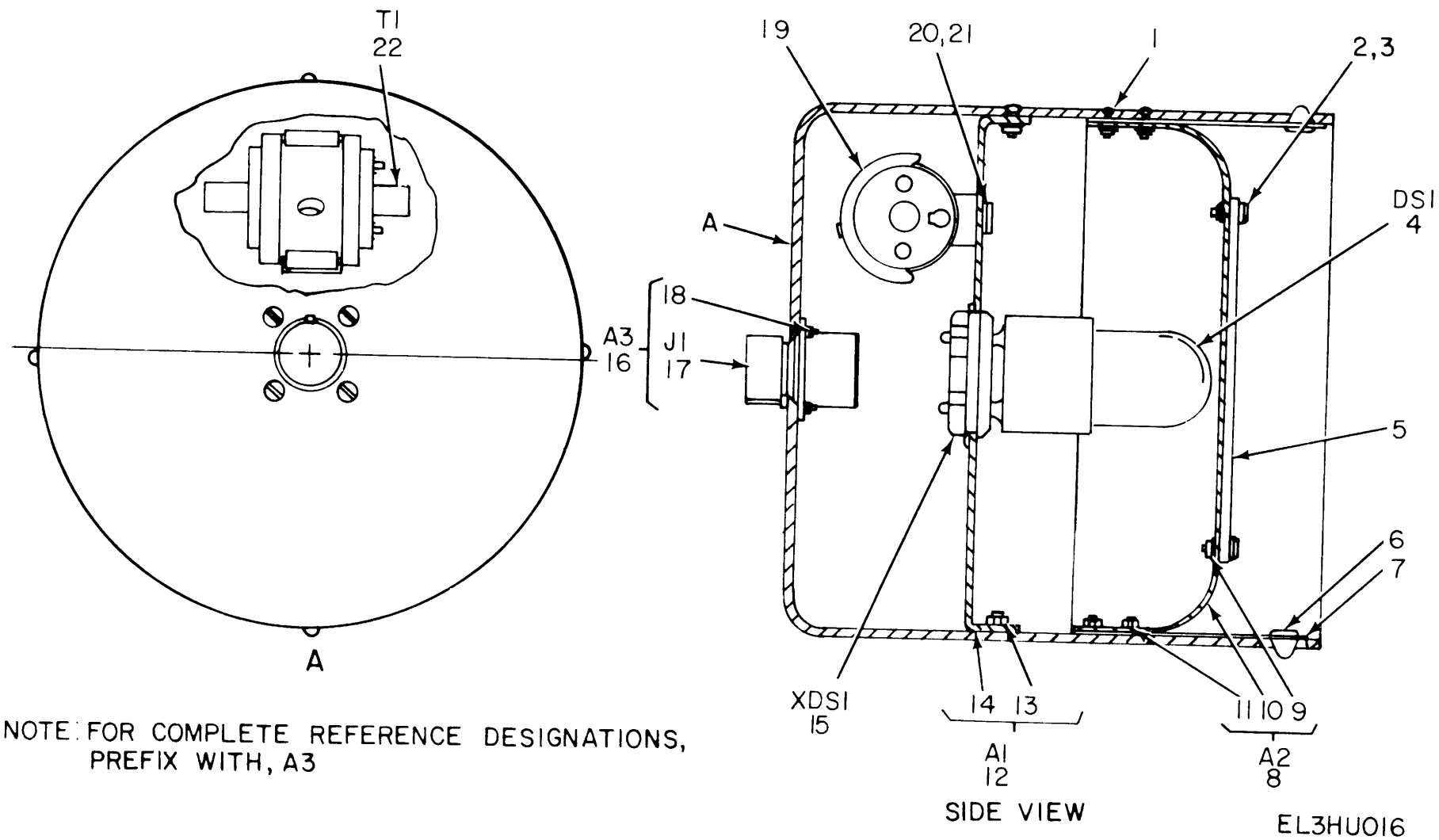
EL3HU015

Figure 12. Photocell Adapter Assembly LM-196A (A2).

SECTION II

TM 11-6780-220-24P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(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
						GROUP 06 PHOTOCCELL ADAPTER ASSEMBLY LM-196A (A2)		
12	1	XDFZZ		7148-1019	11871	PLATE, ADAPTER.....	EA	1
12	2	XDFZZ		7148-1021	11871	BRACKET, ANGLE	EA	1
12	3	XDDZZ		2998-410	11871	PIN, SHOULDER, HDLS.....	EA	2
12	4	XDFZZ	5320-00-637-5422	MS20470A3-4	96906	RIVET, SOLID.....	EA	5
12	5	XDFZZ		1320-258-1	11871	COLLAR.....	EA	1
12	6	XDFZZ	5320-00-234-1557	MS20426A3-6	96906	RIVET, SOLID.....	EA	3
12	7	XDFZZ	5320-00-655-4757	MS20426A3-4	96906	RIVET, SOLID.....	EA	4
12	8	XDFZZ		52LHTA517-048	72962	NUT, SLFLKG PLATE.....	EA	2
12	9	XDFFF		2298-445	11871	PHOTOCCELL ASSY.....	EA	1
12	10	XDFZZ		2998-446	11871	LENS AND RETAINER ASSEMBLY.....	EA	1
12	11	XDFZZ		2A	99942	SEMICONDUCTOR, PHOTO.....	EA	1
12	12	XDFZZ		2998-448	11871	WASHER, SPRING TNSN.....	EA	1
12	13	XDFZZ	5305-00-151-0732	MS35198-3	96906	SCREW, MACHINE	EA	3
12	14	XDFZZ		2998-449	11871	GASKET.....	EA	1
12	15	XDFXX		2998-443	11871	HOUSING.....	EA	1
12	16	XDFZZ		2998-480	11871	CONTACT, ELECTRICAL.....	EA	1
12	17	PAFZZ	5935-00-283-3733	M4SLRN	79326	CONNECTOR, RCPT, ELEC.....	EA	1
12	18	XDFZZ		2998-444	11871	HOUSING.....	EA	1



NOTE: FOR COMPLETE REFERENCE DESIGNATIONS,
 PREFIX WITH, A3

Figure 13. Strobe Assembly LM-197A (A3).

SECTION II

TM 11-6780-220-24P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(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
						GROUP 07 STROBE ASSEMBLY LM-197A (A3)		
13	1	XDFZZ		CAV72C2-5K	11871	SCREW, MACHINE	EA	16
13	2	XDFZZ		CAV70A4-5B	11871	SCREW, MACHINE	EA	4
13	3	XDFZZ		NYLON4	17625	WASHER, FLAT.....	EA	4
13	4	PAOZZ	6240-00-937-0794	U35BCS	70558	LAMP, FLASH TUBE	EA	1
13	5	XDOZZ		7148-1044	11871	WINDOW, FLASHER, PHOT.....	EA	1
13	6	XDDZZ		7148-1046	11871	BUTTON, LOCK.....	EA	4
13	7	XDFZZ		7148-1045	11871	BLADE, LOCK.....	EA	4
13	8	XDFFF		7148-1049	11871	HOLDER AND NUT ASSY.....	EA	1
13	9	XDFZZ		22NCFMA1-40	72962	NUT, PLAIN, CLINCH	EA	4
13	10	XDFZZ		7148-1049-1	11871	HOLDER	EA	1
13	11	XDFZZ	5310-00-471-5119	22NCFMA1-26	72962	NUT, SELF-LOCKING, CL.....	EA	8
13	12	XDFFF		7148-1048	11871	PLATE AND NUT ASSY	EA	1
13	13	XDFZZ		22NCFNA2-40	72962	NUT, PLAIN, CLINCH	EA	4
13	14	XDFZZ		7148-1048-1	11871	PLATE	EA	1
13	15	XDFZZ		78S6	02660	SOCKET, ELCTR N TUBE.....	EA	1
13	16	XDFFF		7148-1009	11871	CONN AND NUT ASSY	EA	1
13	17	XDFZZ		7148-009-1	11871	CONNECTOR, RCPT, ELEC	EA	1
13	18	XDFZZ		22NCFMA2-40	72962	NUT, PLAIN, CLINCH	EA	4
13	19	XDFZZ		C2MN3	06229	CLAMP	EA	1
13	20	XDFZZ		CAV70A6-3K	11871	SCREW, MACHINE	EA	1
13	21	XDFZZ		CAV10-36B	11871	WASHER, FLAT.....	EA	1
13	22	PAFZZ	5950-00-839-6691	MT55	70558	TRANSFORMER, PULSE.....	EA	1

SECTION IV

TM 11-6780-220-24P

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

NOTE: LATEST NATIONAL STOCK NUMBER AND PART NUMBER ASSIGNMENTS RE INCLUDES AT END OF TEXT

STOCK NUMBER	FIGURE NO.	ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.
5920-00-010-6652	2	21	5940-00-553-2471	6	37
5975-00-074-2012	6	43	5920-00-556-0144	2	20
5310-00-081-8087	6	36	5935-00-561-3284	10	1
5961-00-085-4037	4	31	5940-00-583-7242	4	26
5961-00-085-4037	6	41	5940-00-583-7242	6	38
5905-00-087-6593	7	8	5940-00-583-7242	7	19
5910-00-112-7408	6	14	5310-00-614-3500	2	31
6240-00-155-7836	2	3	5940-00-615-5738	8	8
6240-00-155-7836	2	33	5930-00-615-7882	2	14
5325-00-171-5733	6	40	6210-00-635-4700	2	5
5905-00-185-8510	3	3	5320-00-637-5422	12	4
5905-00-185-8510	4	12	5930-00-655-1515	2	18
5905-00-185-8510	6	21	5930-00-655-1575	2	19
5905-00-185-8510	7	13	5320-00-655-4757	12	7
5905-00-192-0667	4	18			
			5935-00-704-5836	8	7
			5935-00-704-5840	8	3
			5935-00-707-5379	9	6
5905-00-192-3973	6	29	6240-00-723-3378	2	8
5905-00-195-6761	6	18	5961-00-723-3602	6	10
5905-00-195-6800	6	30	5910-00-739-7804	6	6
5905-00-195-6806	3	1	5355-00-751-7597	2	17
5905-00-195-6806	4	20	5961-00-752-6115	6	9
5905-00-195-6806	6	19	5365-00-753-3669	4	29
5905-00-195-6806	7	10	5950-00-764-7244	5	9
5320-00-234-1557	12	6	5310-00-782-1349	2	30
5905-00-249-3656	6	23	5961-00-814-8865	4	6
6760-00-250-1096	1	1	5310-00-815-0653	7	25
6760-00-250-1101	1	14	5910-00-834-6307	6	5
5905-00-254-7100	7	16	5950-00-839-6691	13	22
5905-00-254-9201	6	22			
5905-00-279-1876	4	14	5961-00-847-5246	4	7
5905-00-279-1876	6	28	5935-00-850-0637	9	2
5905-00-279-1876	7	15	5935-00-850-9589	2	23
5905-00-279-2019	7	14	5935-00-850-9591	2	25
5905-00-279-2522	4	21	5905-00-855-2544	7	7
5905-00-279-3496	4	23			
5905-00-279-3499	7	9			
5905-00-279-3500	4	11			
5905-00-279-3503	4	16			
5905-00-279-3506	6	24	5945-00-891-4604	5	7
5905-00-279-3527	6	27	5935-00-901-3328	10	4
			5930-00-912-1090	3	4
5905-00-099-1971	4	13	5915-00-912-4098	6	15
5945-00-401-6252	7	3	6145-00-934-0307	8	9
5910-00-422-3834	6	1	6145-00-934-0307	10	7
5935-00-445-1634	2	28			
5310-00-471-5119	13	11	5961-00-973-2261	4	5
5930-00-496-7173	2	11	5961-00-990-4605	4	9
5935-00-498-1991	11	2	5945-00-998-5479	7	6
6210-00-519-0448	2	9			

PART NUMBER	FSCM	FIGURE NO.	ITEM NO.	PART NUMBER	FSCM	FIGURE NO.	ITEM NO.
AN3420-3	81352	10	5	CAV70-2-5P	11871	7	24
				CAV70-2-8P	11811	4	28
				CAV70-2-8P	11871	7	22
BR14x150B2-26V	82050	1	4	CAV70-6-5P	11871	1	21
BBR14X150B6-26V	09026	5	7	CAV70-6-6P	11871	6	35
B5X405K	12406	4	1	CAV70A10-7	11871	2	26
CAV10-36B	11871	13	21	CAV70A4-5B	11871	13	2
CAV10-5P	11871	4	29	CAV70A4-6	11871	2	29
CAV10-69P	11871	1	3	CAV70A6-3K	11871	13	20
CAV176-116	11871	8	1	CAV7006-6	11871	2	35
CAV176-177	11871	8	5	CAV72C2-5K	11871	13	1
CAV176-178	11871	8	6				
CAV176-179	11871	9	5				
CAV176-180	11871	9	1				
CAV176-181	11871	9	3	CK1T511K	14158	4	2
CAV176-182	11871	10	2	CP53B1EF504K1	81349	6	14
CAV176-183	11871	10	8	C2MN3	06229	13	19
CAV176-184	11871	10	6	DS00-3S	17419	2	23
CAY176-185	11871	11	1	DS00-37P	11139	2	28
CAV176-186	11871	11	5	DS00-7S	11139	2	25
CAV176-187	11871	11	6	DS07-3P059	11139	10	4
CAV70-1032-12P	11871	1	2	DS07-37P059	11139	8	7

PART NUMBER	FSCM	FIGURE ITEM		PART NUMBER	FSCM	FIGURE ITEM	
		NO.	NO.			NO.	NO.
DS07-37S059	11139	8	3	SE84	07707	6	39
DS07-7P059	17419	9	2	SM34-20SGDS	95328	11	3
DS07-7S059	17419	9	6	SST1MC	06383	6	42
FHN20G	81349	2	20	SST1MC	06383	8	4
FTSM2TUR	98291	4	26	SST1MC	06383	9	4
FTSM2TUR	98291	6	38	SST1MC	06383	10	3
FTSM2TUR	98281	7	19	SST1MC	06383	11	4
F02A250V3A	81349	2	21	SST2SC	06383	6	43
F02A250V1A	81349	2	2	TRT24-19ST2R0-9-0			
LM192A	11139	1	5	TRT24-19ST2R0-9-0	06090	10	7
LM193A	11871	1	8	TRT24-19ST3R0-2-9-9	06090	8	9
LM195A	11871	1	4	V265RB18C	99699	1	5
LM196A	06400	1	6	YNC90	09922	8	2
LM197A	11811	1	9	YOE90	09922	8	8
MCR729-5	11871	6	11				
MS15795-804	96906	2	30				
MS20426A3-4	96906	12	7				
MS20426A3-6	96906	12	6				
MS20470A3-4	96906	12	4				
MS25041-6	96906	2	9	1N647	80131	6	12
MS25041-7	96906	2	4	1N647	80131	7	2
M25041-8	96906	2	5				
MS25089-029	96906	2	10	1N964B	81349	6	9
MS25237-327	96906	2	3				
MS25237-327	96906	2	33	12-1425DL34R1L	97564	2	11
MS35058-23	96906	2	18	12NCFMA2-62	72926	1	20
MS35059-22	96906	2	19	12NCFMA2-62	72962	4	27
MS35059-27	96906	2	14	12NCFMA2-62	72962	5	5
				12NCFMA2-62	72962	6	34
				1320-258-1	11871	12	5
MS35337-24	96906	2	27	1730-01	78189	2	13
MT55	70558	13	22	2A	99942	12	11
M4PLSH14	81312	10	1	2DE1-105D	99515	4	3
M4SLRN	79326	12	17	2DE1-504E	99515	6	5
M8066	00348	5	9				
NYLON4	17625	13	3				
RC20GF102J	81349	3	1	2N1595	09214	4	6
RC20GF102J	81349	4	20	2N1613	80131	4	8
RC20GF102J	81349	6	19	2N1613	80131	6	16
RC20GF102J	81349	7	10	2N1671B	04713	4	9
RC20GF103J	81349	3	3	22NCFMA1-26	72962	13	11
RC20GF103J	81549	4	12	22NCFMA1-40	72962	1	9
RC20GF103J	81349	6	21	22NCFMA2-26	72926	7	23
RC20GF103J	81349	7	13	22NCFMA2-26	72962	4	30
RC20GF104J	81349	6	18	22NCFMA2-40	72962	5	6
				22NCFMA2-40	72962	13	13
RC20GF154J	81349	4	21	22NCFMA2-40	72962	13	18
RC20GF183J	81349	4	11	2298-445	11871	12	9
RC20GF222J	81349	4	14	2385-3-14	71279	2	24
RC20GF222J	81349	6	28	260P10502S4	52689	5	10
RC20GF222J	81349	7	15	260P50502S4	52689	5	11
RC20GF223J	81349	6	20	2998-410	11871	12	3
RC20GF224J	81349	4	18	2998-443	11811	12	15
RC20GF273J	81349	7	9	2998-444	11871	12	18
				2998-446	11871	12	10
				2998-448	11871	12	12
				2998-449	11871	12	14
RC20GF332J	81349	6	24	2998-480	11871	12	16
RC20GF471J	81349	6	29	3SAH1080	01526	7	3
RC20GF473J	81349	6	22	338-292K	72928	6	2
RC20GF512J	81349	7	14	338-293K	72928	6	4
RC20GF513J	81349	4	23	50K55L	73138	7	12
RC20GF561J	81349	6	30	52LHTA517-048	72962	12	8
RC20GF563J	81349	4	15	5262-713	11871	4	5
RC20GF623J	81349	6	23	55LR500K	73138	4	17
RC20GF681J	81349	6	25	62F403	06001	6	6
RC20GF682J	81349	4	16	6476-212-2	11871	11	2
RC20GF822J	81349	4	13	6679-117-20	11871	2	32
RC20GF913J	81349	7	16	6679-132-15	11871	3	4
				68-1660-40	72962	2	31
RC42GF470J	81349	6	27	70-8W72G	49956	2	17
RF1532	13619	6	15	7140-517-3	11871	2	6
RN70B9533F	81349	7	11	7148-009-1	11871	13	17
RSTSM1TUR	98291	6	37	7148-1006	11871	1	1
RW67V152	81349	1	8	7148-1007	11871	2	1
RW67V222	81349	7	7	7148-1008	11871	1	14
RY4NA3B3L02	81349	7	6	7148-1009	11871	13	16
SE64	61957	6	40				

PART NUMBER	FSCM	FIGURE ITEM		PART NUMBER	FSCM	FIGURE ITEM	
		NO.	NO.			NO.	NO.
7148-1016	11871	1	12	7148-1040	11871	2	38
7148-1017	11871	1	10	7148-1041	11871	7	17
7148-1019	11871	12	1	7148-1041-1	11871	7	18
7148-1020	11871	2	2	7148-1044	11871	13	5
7148-1021	11871	12	2	7148-1045	11871	13	7
7148-1022	11871	2	16	7148-1046	11871	13	6
7148-1023	11876	2	36	7148-1048	11871	13	12
7148-1025	11871	2	37	7148-1048-1	11871	13	14
7148-1026	11871	4	24	7148-1049	11871	13	8
7148-1026-1	11871	4	25	7148-1049-1	11871	13	10
7148-1028	11871	2	15	7148-1051	11871	1	13
7148-1030	11871	2	34	7148-1052	11871	1	11
7148-1031	11871	5	3	7148-1053	11871	2	12
7148-1031-1	11871	5	4	78S6	02660	13	15
7148-1035	11871	2	39	79NM26	72962	7	25
7148-1036	11876	6	32				
7148-1036-1	11871	6	33				

LATEST NATIONAL STOCK NUMBER ASSIGNMENTS

STOCK NUMBER	FIGURE NO.	ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.
5905-00-195-6791	6	25	5961-00-844-0686	6	16
5961-00-496-7914	6	11	5961-00-849-4182	6	13
6210-00-553-1076	2	4	6210-00-916-6182	2	7
5961-00-577-6085	6	12	6240-00-937-0794	13	4
5961-00-577-6085	7	2	5340-00-968-2877	2	24
5910-00-682-3736	6	3			

LATEST PART NUMBER ASSIGNMENTS

PART NUMBER	FSCM	FIGURE ITEM		PART NUMBER	FSCM	FIGURE ITEM	
		NO.	NO.			NO.	NO.
U35BCS	70558	13	4	118P3059452	56289	6	3
1N2985RB	81349	6	13	819-1030-0997-506	72619	2	7

ADDITIONAL LATEST NATIONAL STOCK NUMBER ASSIGNMENTS

STOCK NUMBER	FIGURE NO.	ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.
5905-00-104-8334	6	26	5961-00-840-5466	4	4
5905-00-108-6922	4	22	5961-00-840-5466	6	8
5305-00-151-0732	12	13	5961-00-840-5466	7	1
5905-00-279-1512	6	31	5961-00-855-1551	4	10
5920-00-280-8342	2	22	5961-00-855-1551	6	17
5935-00-283-3733	12	17	5310-00-857-5547	5	2
5365-00-598-5417	10	5	5945-00-868-8643	7	5
5940-00-722-4352	8	2	5910-00-908-9372	6	7
5975-00-727-5153	6	42	5945-00-913-1215	7	4
5975-00-727-5153	8	4	5935-00-924-4445	11	3
5975-00-727-5153	9	4	5305-00-925-4774	5	8
5975-00-727-5153	10	3	5910-00-947-5763	4	3
5975-00-727-5153	11	4	5995-00-999-4664	1	7
6760-00-797-7972	1	6			

ADDITIONAL LATEST PART NUMBER ASSIGNMENTS

PART NUMBER	FSCM	FIGURE ITEM		PART NUMBER	FSCM	FIGURE ITEM	
		NO.	NO.			NO.	NO.
C101A104K	16546	6	7	JAN2N1132	81349	6	17
C9A	80204	2	8	MI60246-037	72136	6	1
G327188-1	64959	4	31	MS21044D06	96906	5	2
G327188-1	64959	6	41	MS21044N06	96906	6	36
JAN1N3612	81349	6	10	MS35198-3	96906	12	13
JAN1N485B	81349	3	2	MS35275-214	96906	5	8
JAN1N485B	81349	4	4	RCR20G151JS	81349	4	22
JAN1N485B	81349	6	8	RCR20G331JS	81349	4	19
JAN1N485B	81349	7	1	RCR20G331JS	81349	6	26
JAN1N645	81349	5	1	RCR32G100JS	81349	6	31
JAN1N746A	81349	4	7	7148-1013	11871	1	7
JAN2N1132	81349	4	10				

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 Form 1231, Direct and General Support maintenance requirements for OV-1B, C and OV-1D aircraft.

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS



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

SOMETHING WRONG WITH PUBLICATION

FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

DATE SENT

PUBLICATION NUMBER

PUBLICATION DATE

PUBLICATION TITLE

BE EXACT PIN-POINT WHERE IT IS

PAGE NO.	PARA-GRAPH	FIGURE NO.	TABLE NO.

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

PRINTED NAME, GRADE OR TITLE AND TELEPHONE NUMBER

SIGN HERE

The Metric System and Equivalents

Linear Measure

1 centimeter = 10 millimeters = .39 inch
 1 decimeter = 10 centimeters = 3.94 inches
 1 meter = 10 decimeters = 39.37 inches
 1 dekameter = 10 meters = 32.8 feet
 1 hectometer = 10 dekameters = 328.08 feet
 1 kilometer = 10 hectometers = 3,280.8 feet

Weights

1 centigram = 10 milligrams = .15 grain
 1 decigram = 10 centigrams = 1.54 grains
 1 gram = 10 decigrams = .035 ounce
 1 decagram = 10 grams = .35 ounce
 1 hectogram = 10 decagrams = 3.52 ounces
 1 kilogram = 10 hectograms = 2.2 pounds
 1 quintal = 100 kilograms = 220.46 pounds
 1 metric ton = 10 quintals = 1.1 short tons

Liquid Measure

1 centiliter = 10 milliliters = .34 fl. ounce
 1 deciliter = 10 centiliters = 3.38 fl. ounces
 1 liter = 10 deciliters = 33.81 fl. ounces
 1 dekaliter = 10 liters = 2.64 gallons
 1 hectoliter = 10 dekaliters = 26.42 gallons
 1 kiloliter = 10 hectoliters = 264.18 gallons

Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch
 1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches
 1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet
 1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet
 1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres
 1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch
 1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches
 1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

Approximate Conversion Factors

<i>To change</i>	<i>To</i>	<i>Multiply by</i>	<i>To change</i>	<i>To</i>	<i>Multiply by</i>
inches	centimeters	2.540	ounce-inches	Newton-meters	.007062
feet	meters	.305	centimeters	inches	.394
yards	meters	.914	meters	feet	3.280
miles	kilometers	1.609	meters	yards	1.094
square inches	square centimeters	6.451	kilometers	miles	.621
square feet	square meters	.093	square centimeters	square inches	.155
square yards	square meters	.836	square meters	square feet	10.764
square miles	square kilometers	2.590	square meters	square yards	1.196
acres	square hectometers	.405	square kilometers	square miles	.386
cubic feet	cubic meters	.028	square hectometers	acres	2.471
cubic yards	cubic meters	.765	cubic meters	cubic feet	35.315
fluid ounces	milliliters	29.573	cubic meters	cubic yards	1.308
pints	liters	.473	milliliters	fluid ounces	.034
quarts	liters	.946	liters	pints	2.113
gallons	liters	3.785	liters	quarts	1.057
ounces	grams	28.349	liters	gallons	.264
pounds	kilograms	.454	grams	ounces	.035
short tons	metric tons	.907	kilograms	pounds	2.205
pound-feet	Newton-meters	1.356	metric tons	short tons	1.102
pound-inches	Newton-meters	.11296			

Temperature (Exact)

°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	°C
----	------------------------	----------------------------	---------------------	----

PIN: 037958-000