

TECHNICAL MANUAL
ORGANIZATIONAL MAINTENANCE REPAIR
PARTS AND SPECIAL TOOLS LIST
FOR
RADIO SET
AN/GRC-143
(NSN 5820-00-926-7355)

HEADQUARTERS, DEPARTMENT OF THE ARMY

JUNE 1978

ORGANIZATIONAL MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS

FOR

RADIO SET AN/GRC-143

(NSN 5820-00-926-7355)

Current as of 25 November 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 Form 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 Communications and Electronics Materiel Readiness Command, ATTN: DRSEL-MA-Q, Fort Monmouth, New Jersey 07703.

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

Table of Contents

SECTION	Page	Illus Figure
I. Introduction.....	1	
II. Repair parts list.....	5	
Group 00 Radio Set AN/GRC-143.....	5	1
01 Transmitter, Radio T-961/GRC- 143.....	7	2
0101 Power supply (1A1).....	9	3
010101 Regulator, vantage 5/6 VDC (1A1AA1) (No parts authorized)		
010102 Regulator, voltage 5/6 VDC (1A1A2) (same as group 010101)		
010103 Regulator, voltage 5/6 VDC (1A1A3) (same as group 010101)		
010104 Regulator, voltage 5/6 VDC (1A1A4) (same as group 010101)		
010105 Regulator, voltage 12 VDC (1A1A6) (No parts authorized)		
010106 Regulator, voltage 12 VDC (1A1A7) (same as group 010105)		
010107 Regulator, voltage 12 VDC (1A1A8) (same as group 010105)		
010108 Regulator, voltage 12 VDC (1A1A9) (same as group 010105)		
010109 Regulator, voltage 15/28 VDC (1A1A10) (No parts authorized)		
010110 Regulator, Voltage 15/28 VDC (1A1A11) (same as group 010109)		
010111 Regulator, voltage 15/28 VDC (1A1A12) (same as group 010109)		
010112 Power supply chassis (1A1A13).....	11	4
0102 Oscillator, radio frequency 100 MHz (1A2).....	13	5
0103 Attenuator assembly 12 channel (PCM (1A3) (No parts authorized)		
0104 Amplifier, audio frequency-radio frequency (1A4, 2A19)	15	6
0105 Alarm monitor (1A5) (No parts authorized)		
0106 Filters, low pass 1.3 MHz (1A6)	17	7
0107 Control, electronic frequency (1A7) (No parts authorized)		

*This manual supersedes so much of TM 11-5820-595-12, 3 February 1971, including Change 1, 16 April 1973, as pertains to repair parts and special tools list.

	Page	Illus Figure
Group		
0108 Modulator, radio transmitter (1A8) (No parts authorized)		
0109 Mixer stage, frequency transmitter (1A9)	19	8
010901 Mixer stage crystal (1A9A1) (No parts authorized)		
0110 Frequency multiplier group transmitter (1A10)	21	9
011001 Frequency multiplier, transmitter, (2nd stage) (1A10A1) (No parts authorized)		
011002 Frequency multiplier, transmitter, (3rd stage) (1A10A2) (No parts authorized)		
0111 Amplifier frequency multiplier transmitter (1A11) (No parts authorized)		
0112 Modem, digital data (1A12)	23	10
011201 Regenerator, digital cable (1A12A2)	27	11
011202 Control, comparator cable (1A12A3)	31	12
011203 Processor, digital cable (1A12A4)	33	13
011204 Amplifier, radio frequency (1A12A5) (No parts authorized)		
011205 Alarm monitor (1A12A6)	37	14
011206 Amplifier detector radio (1A12A7) (No parts authorized)		
011207 Regenerator, digital radio (1A12A8)	39	15
011208 Control comparator, radio (1A12A9)	41	16
011209 Control processor (1A12A10)	43	17
011210 Decoder, pulse (1A12A11) (No parts authorized)		
011211 Control processor (1A12A12) (same as group 011209)		
011212 Processor digital radio (1A12A13)	45	18
011213 Chassis, modem digital data (1A12A15)	47	19
0113 Order wire (1A13)	49	20
011301 Daughter board No. 1 (1A13A1)	53	21
011302 Daughter board No. 2 (1A13A2) (No parts authorized)		
011303 Daughter board No. 3 (1A13A3) (No parts authorized)		
011304 Daughter board No. 4 (1A13A4) (No parts authorized)		
011305 Daughter board No. 5 (1A13A5) (No parts authorized)		
011306 Order wire, chassis (1A13A7) (No parts authorized)		
0114 Synthesizer, electrical frequency (1A14)	55	22
011401 Oscillator, radio frequency (1A14A1)	57	23
011402 Converter, frequency electronic (1A14A2)	59	24
011403 Detector, audio frequency, phase error (1A14A3)	61	25
011404 Frequency divider, variable No. 1 (1A14A4)	63	26
011405 Frequency divider, variable No. 2 (1A14A5)	65	27
011406 Frequency divider, fixed (1A14A6)	67	28
011407 Frequency synthesizer chassis (1A14A10) (includes 1A14A9) (No parts authorized)		
011408 Frequency synthesizer chassis (same as group 011407)		
0115 Plate assembly (1A15) (No parts authorized)		
011501 Radio test set P/O (1A15) (No parts authorized)		
0116 Cabinet, electrical equipment (1A16)	71	29
0117 Attenuator assembly, 24 channel PCM (1A18) (No parts authorized)		
02 Radio Receiver R-1287/GRC-143	73	30
0201 Power supply (2A3)	75	31
020101 Regulator, voltage (15/28 VDC) (2A3A1, 2A3A2, 2A3A4) (same as group 010109)		

	Page	Illus Figure
Group		
020102 Regulator, voltage (15/28 VDC) (2A3A1, 2A3A2, 2A3A4) (same as group 010109)		
020103 Regulator, voltage (15/28 VDC) (2A3A1, 2A3A2, 2A3A4) (same as group 010109)		
020104 Regulator, voltage (12 VDC) (2A3A3) (same as group 010105)		
020105 Power supply chassis (2A3A5).....	77	32
0202 Amplifier, mixer (2A5, 2A11) (No parts authorized)		
0203 Filter, band pass, 70 MHz (2A5, 2A10) (No parts authorized)		
0204 Mixer stage, frequency receiver (2A6).....	79	33
0205 Frequency multiplier group, receiver (2A7).....	81	34
020501 Frequency multiplier, receiver (2nd stage) (2A7A1) (No parts authorized)		
020502 Frequency multiplier, receiver (3rd stage) (2A7A2) (No parts authorized)		
0206 Amplifier-frequency multiplier receiver (2A8) (No parts authorized)		
0207 Mixer stage, frequency receiver (2A9) (same as group 0204)		
0208 Filter, band pass, 70 MHz (2A5, 2A10) (same as group 0203)		
0209 Amplifier, mixer (2A4, 2A11)(same as group 0202)		
0210 Amplifier, intermediate frequency, (70 MHz) (2A12, 2A15)	83	35
0211 Frequency multiplier oscillator (200 MHz) (2A13, 2A14) (No parts authorized)		
021101 Amplifier frequency multiplier (P/O VCO 220 MHz) (2A13A1) (No parts authorized)		
0212 Frequency multiplier oscillator (200 MHz) (same as group 0211)		
021201 Amplifier frequency multiplier (P/O VCO 220 MHz) (2A14A1) (same as group 021101)		
0213 Amplifier, intermediate frequency, (70 MHz) (2A12, 2A15) (same as group 0210)		
0214 Unit control, amplifier combiner (dual) (2A16) No parts authorized)		
0215 Demodulator (2A18) (No parts authorized)		
0216 Filter, low pass (260 kHz) (2A18) (No parts authorized)		
0217 Amplifier, audio frequency-radio frequency (same as group 0104)		
0218 Alarm monitor (2A20) (same as group 0105)		
0219 Synthesizer, electrical frequency (same as group 0114)		
021901 Oscillator, radio frequency (2A21A1) (same as group 011401)		
021902 Converter, frequency electronic (2A21A2) (same as group 011402)		
021903 Detector, audio frequency phase error (2A21A3) (same as group 011403)		
021904 Frequency divider, variable No. 1 (2A21A4) same as group 011404)		
021905 Frequency divider, variable No. 2 (2A21A5) (same as group 011405)		
021906 Frequency divider fixed No. 3 (2A21A6) (same as group 011406)		
021907 Frequency synthesizer chassis (2A21A10) (includes 2A21A9) (same as group 011407)		
021908 Frequency synthesizer chassis (2A21A10) (includes 2A21A9) (same as group 011407)		
0220 Cabinet, electrical equipment (2A22)	89	36, 37
0221 Plate assembly (2A24) (No parts authorized)		

	Page	Illus Figure
Group		
0222 Filter band pass (70 MHz, BW = 1.5 MHz) (2A25, 2A26) (No parts authorized)		
0223 Filter band pass (70 MHz, BW = 1.5 MHz) (same as group 0222)		
0224 Filter low pass (680 kHz) (2A27) (same as group 0216)		
03 Amplifier, radio frequency AM-6090/GRC-143	93	38
0301 Control regulator-inverter (3A1)	95	39
0302 Control indicator (3A2, 3A3) (No parts authorized)		
0303 Control indicator (same as group 0302)		
0304 Control, alarm, low radio frequency-mismatch (3A4)	97	40
0305 Control, time delay (3A5) (No parts authorized)		
0306 Control, beam gate - DC overload (3A6) (No parts authorized)		
0307 Power supply control (93A7) (No parts authorized)		
0308 Inverter (3A8) (No parts authorized)		
0309 Cabinet, electrical equipment (3A9)	103	41-48
030901 Power supply assembly (3A9A1) (No parts authorized)		
030902 Amplifier subassembly (3A9A33) (No parts authorized)		
04 Antenna alignment indicator (4A7) (No parts authorized)		
05 Handset H-156/U (4A4) No parts authorized)		
SECTION III. Special tools list (Not applicable)		
IV. National stock number and part number index	118	

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 maintenance of the AN/GRC-143. 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 parts 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:

<i>Code</i>	<i>Definition</i>
-------------	-------------------

PA-Item procured and stocked for anticipated or known usage.

Code

Definition

PD-Support item, excluding support equipment, procured for initial issue or outfitting and stocked only for subsequent or additional initial issues or outfittings. Not subject to automatic replenishment.

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:

<i>Code</i>	<i>Application/Explanation</i>
O	Support item is removed, replaced, used at the organizational 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>
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.

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 placed.

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

a. The following publication pertains to the AN/GRC-143 and its components:

TM 11-5820-595-12, Radio Set AN/GRC-143

b. The illustrations in this manual are identical to those published in TM 11-5820-595-34P. Only those parts assigned the third position SMR maintenance code "C" or "O" are listed in the tabular listing; therefore, there may be a break in the item number sequence. Only illustrations containing organizational authorized items appear in this manual.

5. How to Locate Repair Parts

a. When National stock number or part number is unknown.

(1) *First.* Using the table of contents, determine the functional group within which the item belongs. This is necessary since illustrations are prepared for functional groups and listings are divided into the same groups.

(2) *Second.* Find the illustration covering the functional group to which the item belongs.

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

(4) *Fourth.* Using the Repair Parts Listing, find the figure and item number noted on the illustration.

b. When National stock number or part number is known.

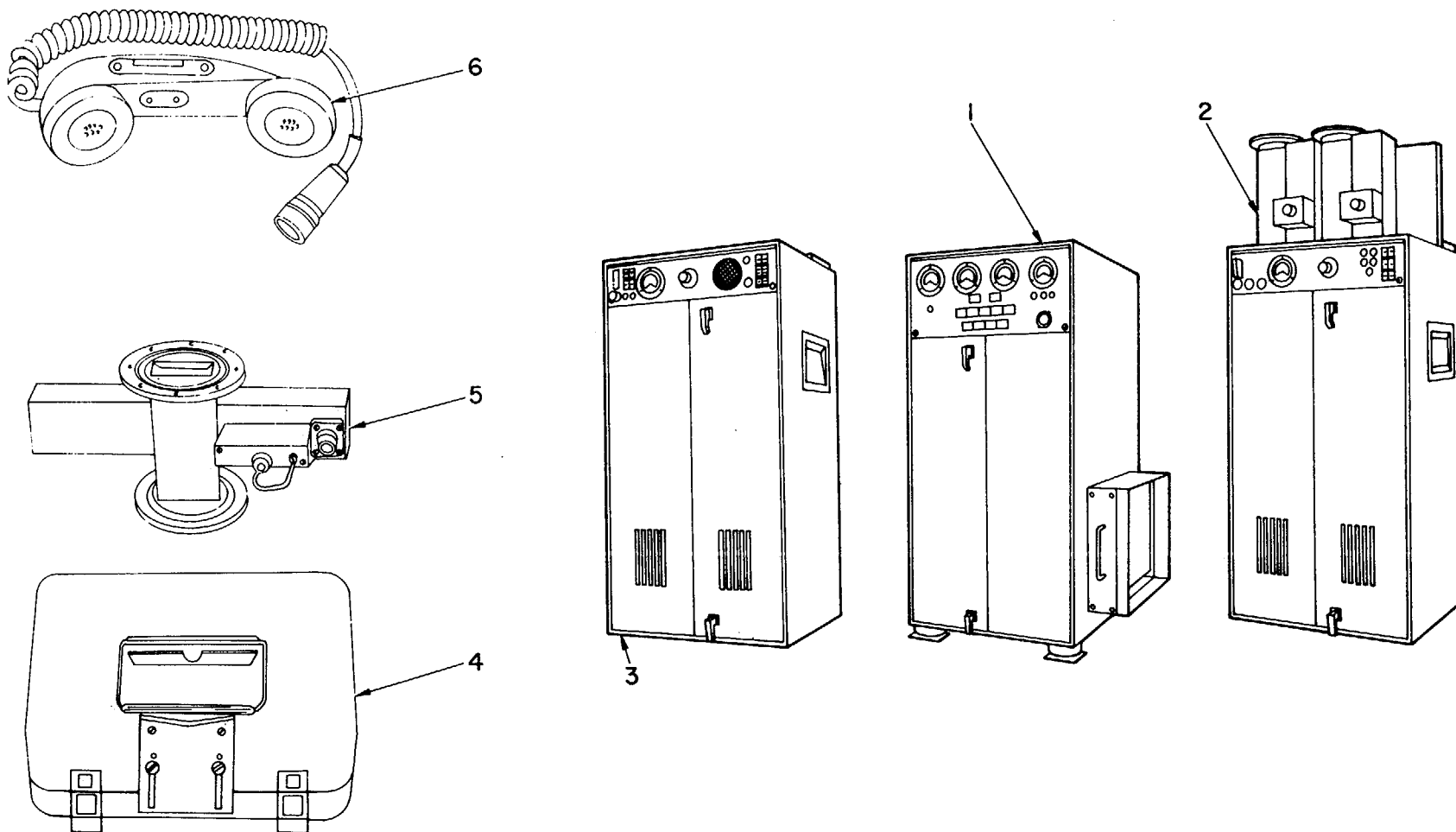
(1) *First.* Using the Index of National Stock Numbers and Part Numbers, find the pertinent National stock number or part number. This index is in NIIN sequence followed by a list of part numbers in alphameric sequence, cross-referenced to the illustration figure number and item number.

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

6. Abbreviations

Not applicable.

(Next printed page is 4)



NOTE: FOR COMPLETE REFERENCE DESIGNATION, PREFIX WITH I

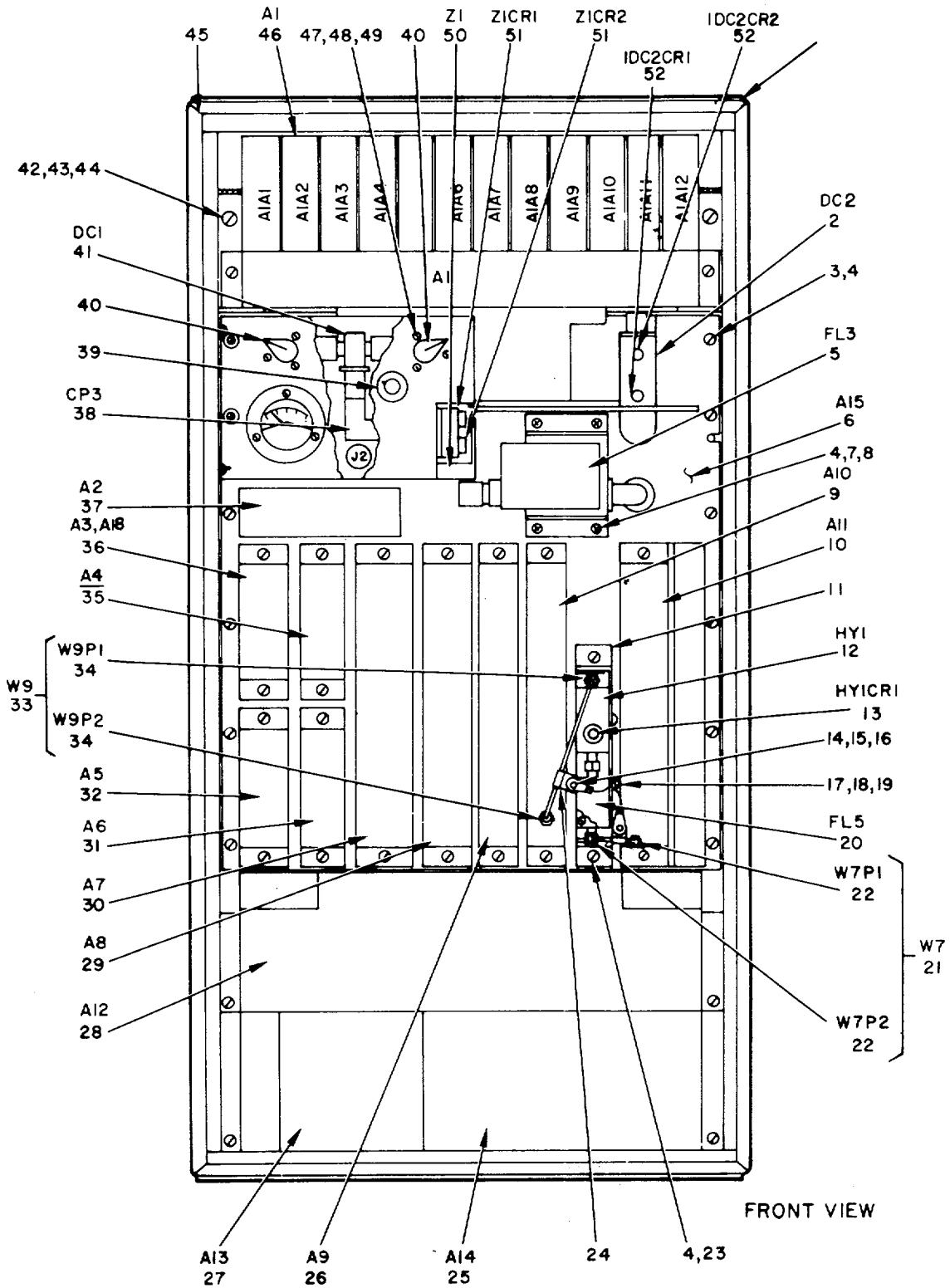
EL3CT001

Figure 1. Radio Set AN/GRC-143.

SECTION II

TM 11-5820-595-20P

(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
1	6	PDOFD	5965-00-892-3850	SCD76454	80063	GROUP 00 RADIO SET, AN/GRC-143 HANDSET H156U	EA	1



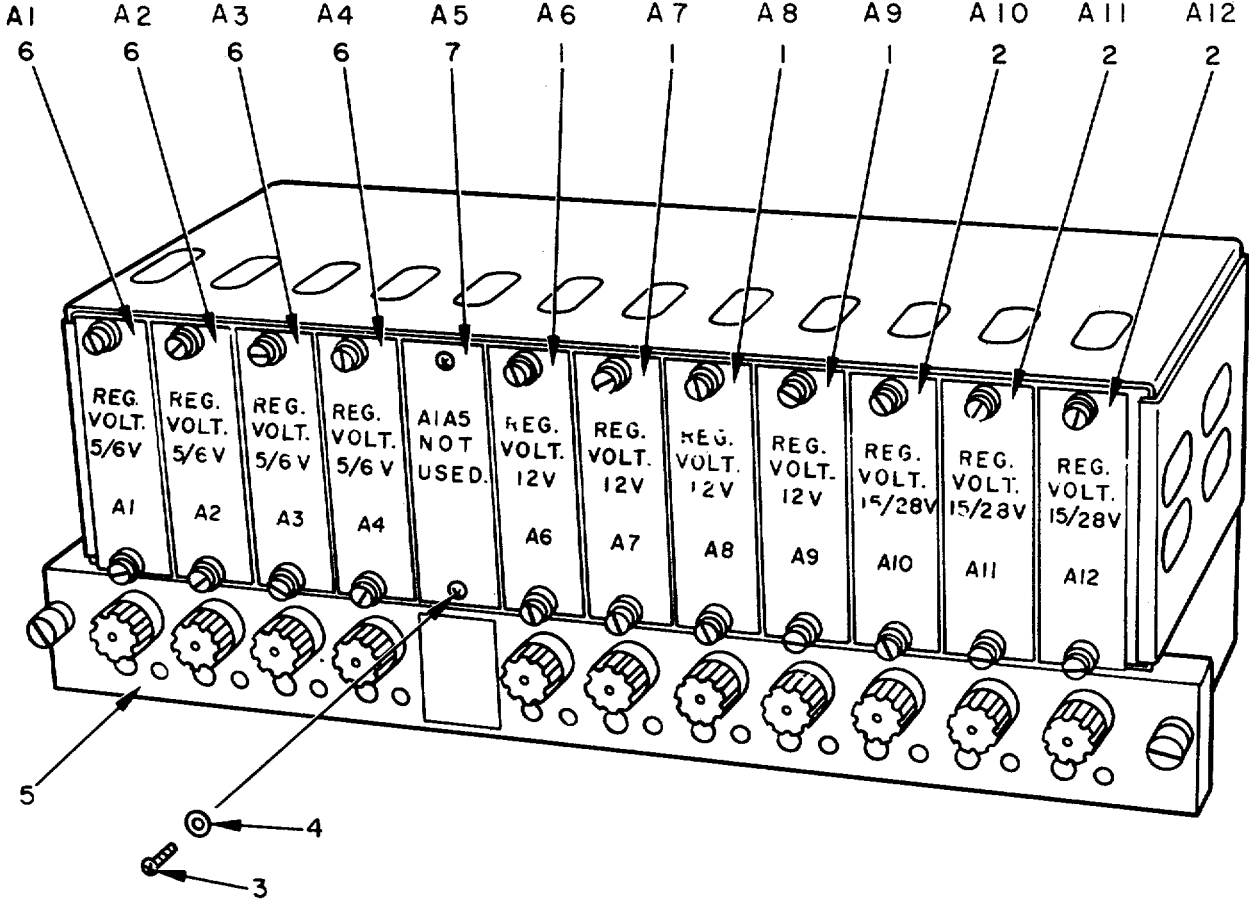
FRONT VIEW

NOTE: FOR COMPLETE REFERENCE DESIGNATION, PREFIX WITH I.

EL3CT002

Figure 2. Transmitter, Radio T-961/GRC-143.

(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/M	QTY INC IN UNIT
						<i>USABLE ON CODE</i>		
						GROUP 01 TRANSMITTER, RADIO T-961/GRC-143		
2	10	PAODL	5820-00-136-1262	SMF650505	80063	AMPLIFIER-FREQUENCY, TRANSMITTER	EA	1
2	21	PAODL	5995-00-141-0055	SMC652185-1	80063	CABLE COAXIAL	EA	1
2	27	XDODL		SMD650512	80063	ORDERWIRE ASSEMBLY	EA	1
2	29	PAODL	5820-00-136-1242	SMF650502	80063	MODULATOR, RADIO	EA	1
2	30	PAODL	5820-00-136-1250	SMF650503	80063	CONTROL, ELECTRONIC FREQUENCY	EA	1
2	32	PAODL	5820-00-136-1246	SMF650504	80063	ALARM MONITOR ASSEMBLY	EA	1
2	33	PAODL	5995-00-141-0054	SMC652185-2	80063	CABLE COAXIAL	EA	1
2	35	PAODL	5820-00-136-1241	SMD650500	80063	AMPLIFIER AUDIO FREQUENCY-RADIO FREQUENCY	EA	1
2	36	PAODL	5985-00-176-0166	SMD650514	80063	ATTENUATOR ASSEMBLY SELECT	EA	1
2	36	PAODL	5905-00-134-9854	SMD650536	80063	ATTENUATOR ASSEMBLY	EA	1
2	37	PAODL	5820-00-136-1233	SMF650509	80063	OSCILLATOR, RADIO FREQUENCY ASSEMBLY	EA	1
2	39	PAOZZ	5355-00-814-0470	MS91528-0F1B	96906	KNOB	EA	1
2	40	PAOZZ	5355-00-556-0145	MS91528-1K2B	96906	KNOB	EA	2

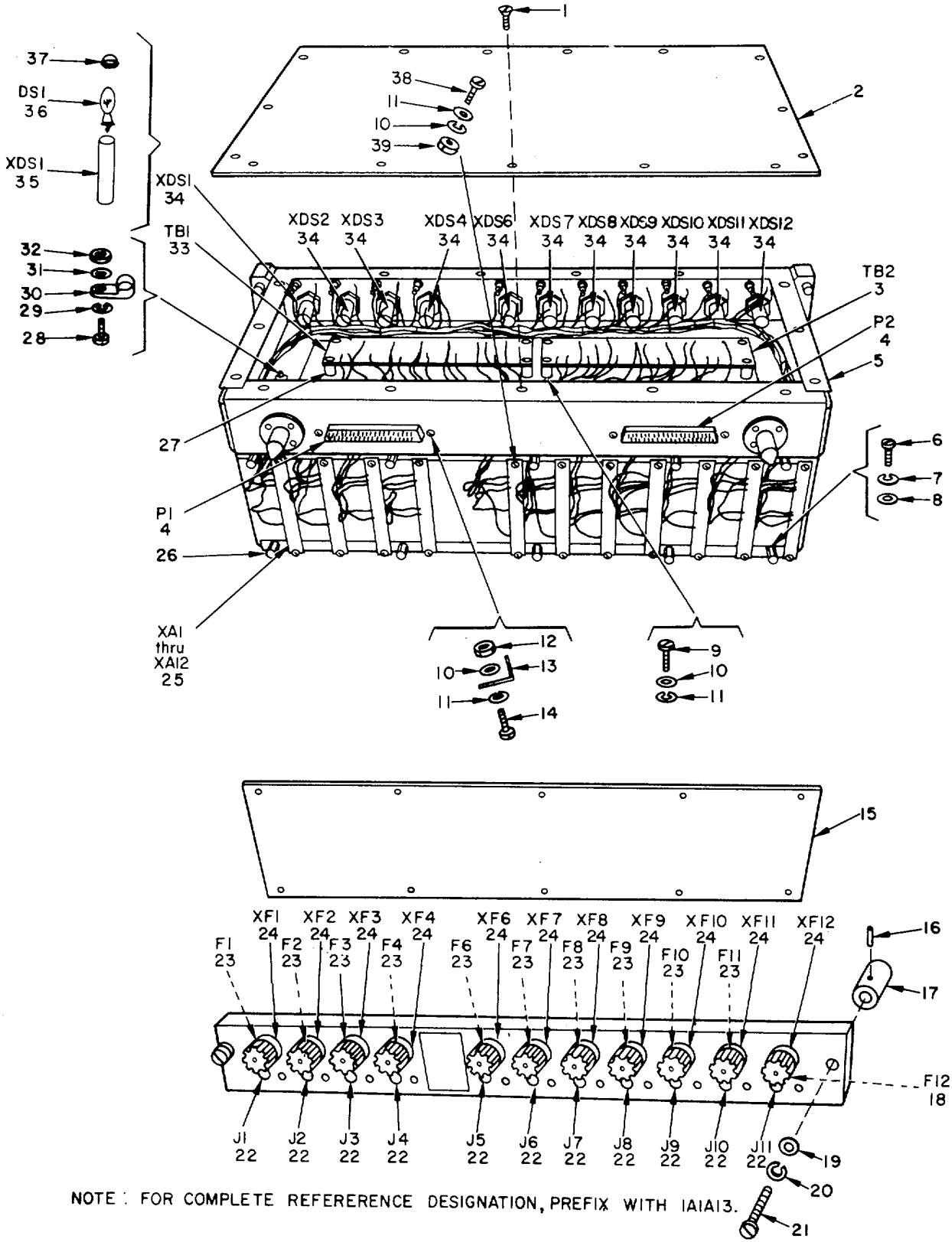


NOTE: FOR COMPLETE REFERENCE DESIGNATION, PREFIX WITH 1A1.

EL3CT004

Figure 3. Power Supply 1A1.

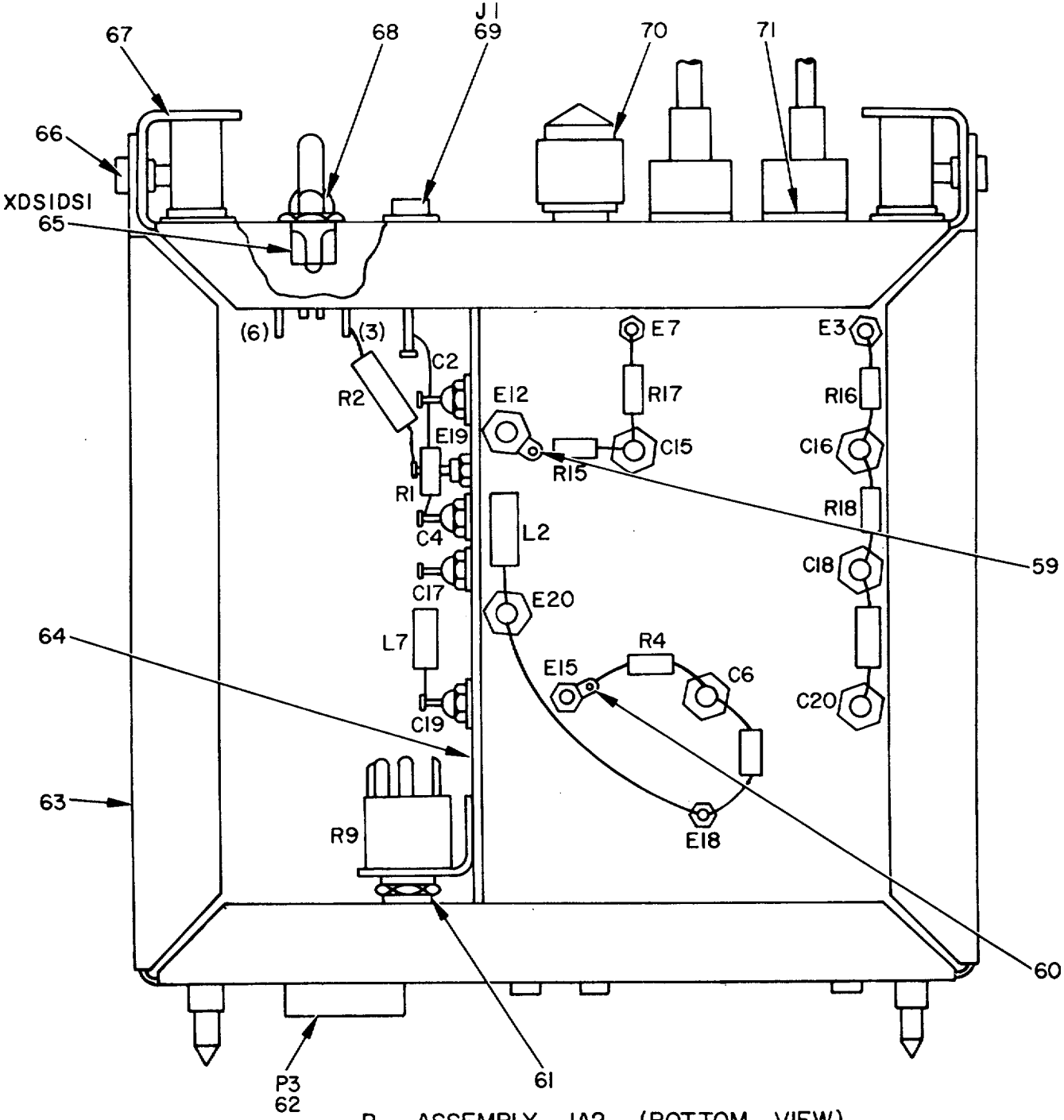
(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
						<i>USABLE ON CODE</i>		
3	1	PAODL	6110-00-191-9224	SMD650531	80063	GROUP 0101 POWER SUPPLY 1A1	EA	4
3	2	PAODL	6110-00-191-9225	SMD650530	80063	REGULATOR, VOLTAGE	EA	3
3	6	PAODL	6110-00-136-2331	SMD650532	80063	REGULATOR, VOLTAGE	EA	4



EL3CT006

Figure 4. Power Supply Chassis 1A1A13.

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
						<i>USABLE ON CODE</i>		
						GROUP 010112 POWER SUPPLY CHASSIS 1A1A13		
4	18	PAOZZ	5920-00-281-0210	F02A250V4AS	81349	FUSE, CARTRIDGE	EA	1
4	23	PAOZZ	5920-00-877-9934	F02A250V3AS	81349	FUSE, CARTRIDGE	EA	10
4	36	PAOZZ	6240-00-060-2941	683	92966	LAMP, INCANDESCENT	EA	11
4	37	XDOZZ		GBL	00303	LENS, INDICATOR LIGHT	EA	11



B. ASSEMBLY IA2 (BOTTOM VIEW)

NOTE: FOR COMPLETE REFERENCE DESIGNATION,
PREFIX WITH IA2.

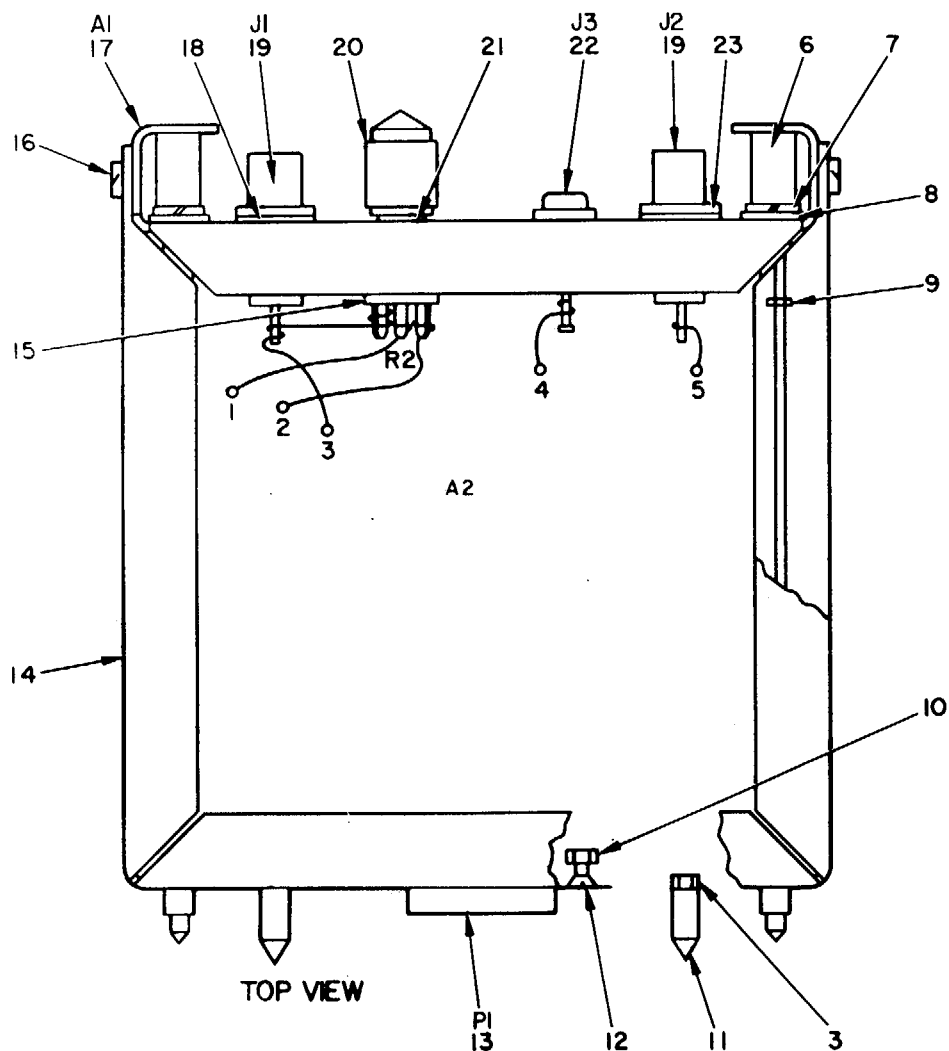
EL3CT011

Figure 5. Oscillator, Radio Frequency 100 MHz 1A2.

SECTION II

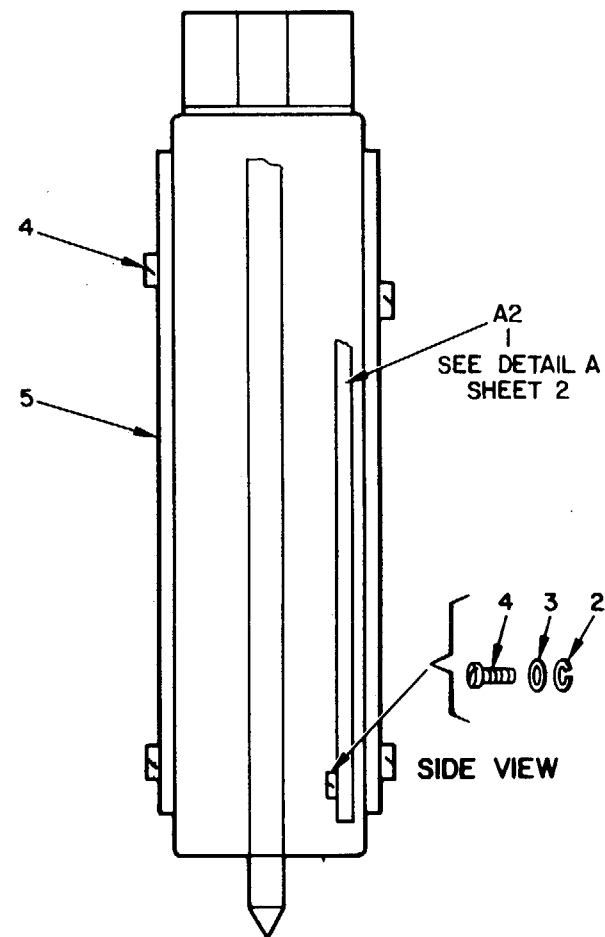
TM 11-5820-595-20P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
						<i>USABLE ON CODE</i>		
5	65	PAOZZ	6240-00-060-2941	683	92966	GROUP 0102 OSCILLATOR, RADIO FREQUENCY 100 MHz 1A2	EA	1
5	68	XDOZZ		RBL	00303	LAMP, INCANDESCENT	EA	1
5	70	PAOZZ	5355-00-813-2078	MS91528-0D1B	96906	LENS, INDICATOR LIGHT KNOB	EA	1



TOP VIEW

NOTE: FOR COMPLETE REFERENCE DESIGNATION, PREFIX WITH 1A4 OR 2A19.

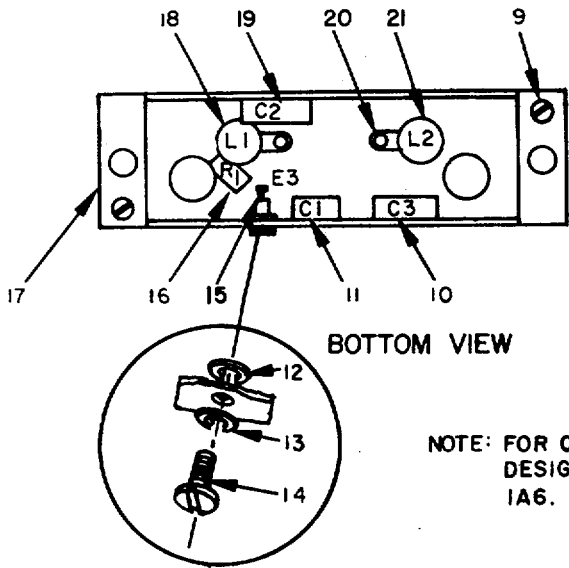
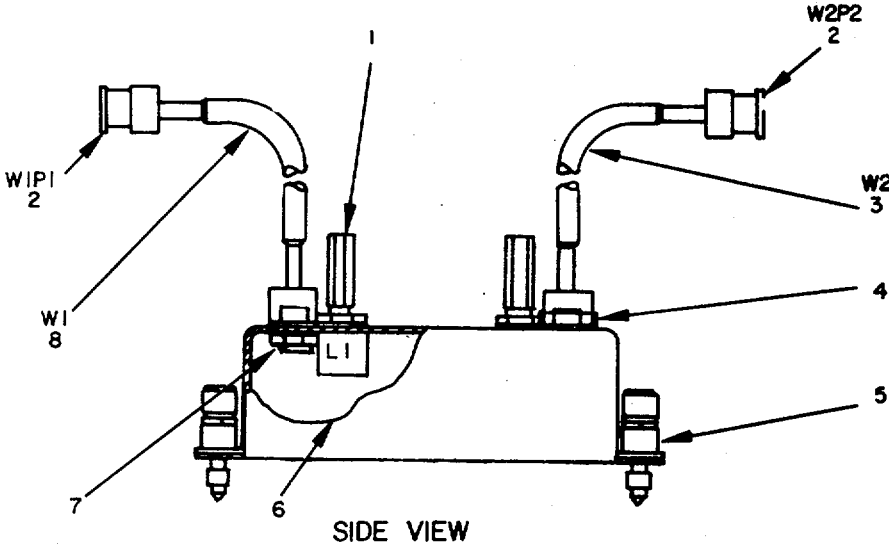


SIDE VIEW

EL3CT015

Figure 6. Amplifier, Audio Frequency-Radio Frequency 1A4, 2A19.

(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
6	20	PAOZZ	5355-00-813-2078	MS91528-0D1B	96906	GROUP 0104 AMPLIFIER, AUDIO FREQUENCY- RADIO FREQUENCY 1A4, 2A19 KNOB	EA	1



NOTE: FOR COMPLETE REFERENCE DESIGNATION, PREFIX WITH 1A6.

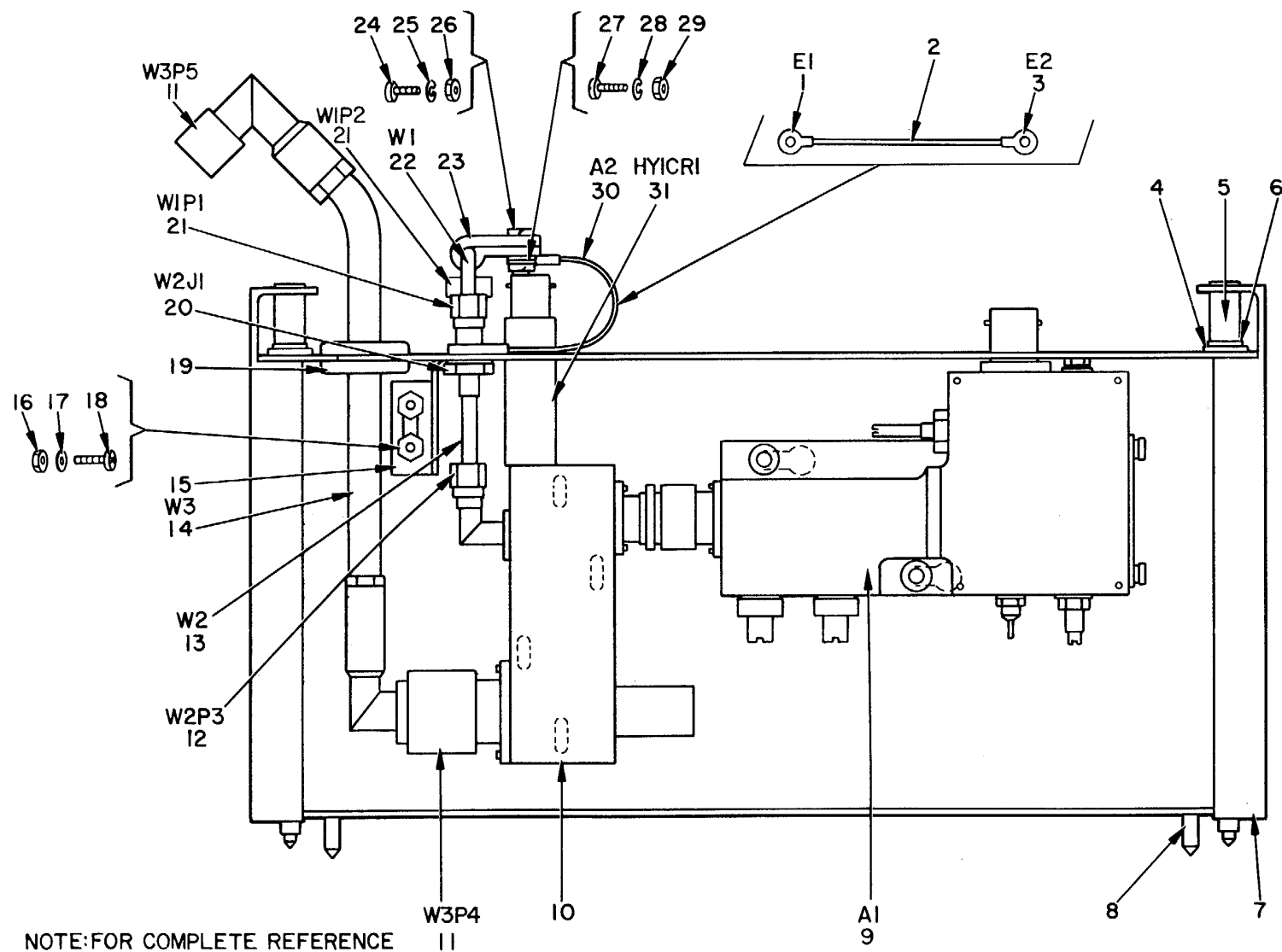
EL3CT021

Figure 7. Filters, Low Pass 1.3 MHz 1A6.

SECTION II

TM 11-5820-595-20P

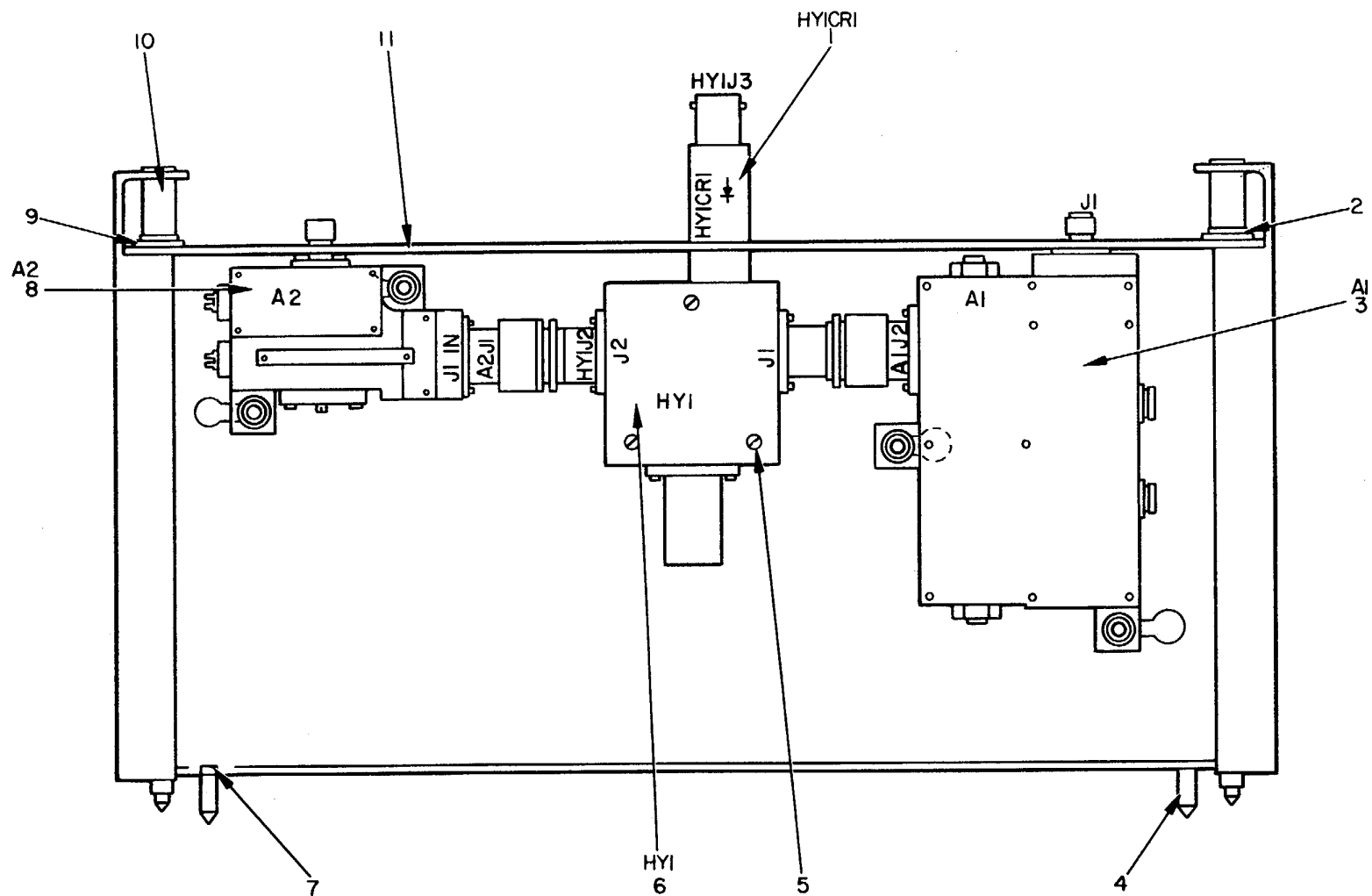
(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION <i>USABLE ON CODE</i>	U/M	QTY INC IN UNIT
7	1	PAOZZ	5999-00-147-5583	SMB652983	80063	GROUP 0106 FILTERS, LOW PASS 1.3 MHZ 1A6 CAP, COVER	EA	2



EL3CT029

Figure 8. Mixer Stage, Frequency Transmitter 1A9.

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
8 8	9 31	PAODL PAOZZ	5820-00-439-6140 5961-00-557-5273	SMD650527 1N76	80063 93332	<p>GROUP 0109 MIXER STAGE, FREQUENCY TRANSMITTER 1A9</p> <p>MIXER, CRYSTAL SEMICONDUCTOR DEVICE, DIODE</p> <p style="text-align: right;"><i>USABLE ON CODE</i></p>	EA EA	1 1

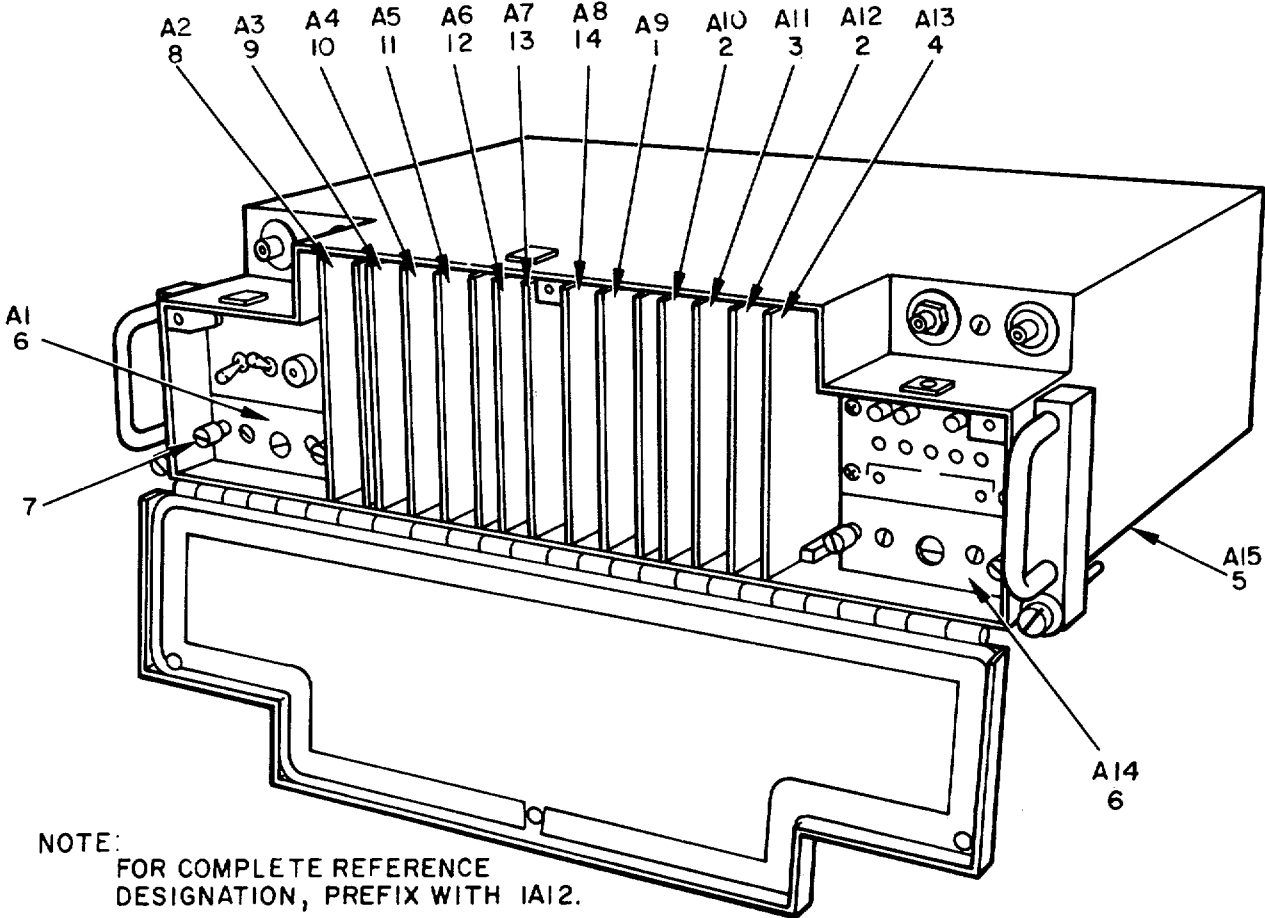


NOTE: FOR COMPLETE REFERENCE DESIGNATION,
PREFIX WITH 1A10.

EL3CT03I

Figure 9. Frequency Multiplier Group, Transmitter 1A10.

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
						<i>USABLE ON CODE</i>		
9	1	PAOZZ	5961-00-557-5273	1N76	93332	GROUP 0110 FREQUENCY MULTIPLIER GROUP, TRANSMITTER 1A10	EA	1
9	3	PAODL	5820-00-136-1237	SMD650528	80063	SEMICONDUCTOR DEVICE, DIODE	EA	1
9	8	PAODL	5820-00-136-1236	SMD650529	80063	FREQUENCY MULTIPLIER, TRANSMITTER	EA	1
						FREQUENCY MULTIPLIER, TRANSMITTER	EA	1



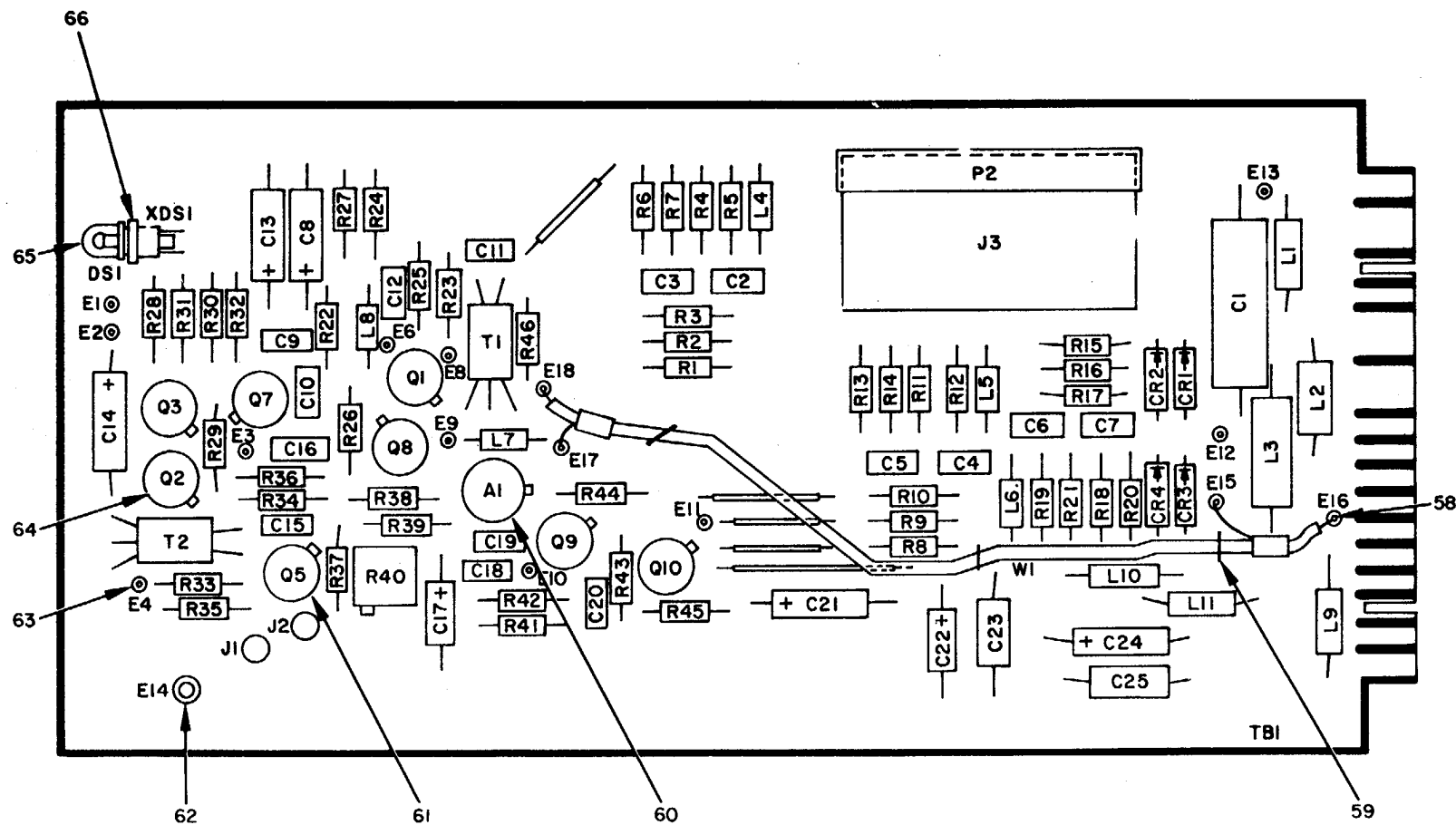
EL3CT037

Figure 10. Modem, Digital Data 1A12.

SECTION II

TM 11-5820-595-20P

(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/M	QTY INC IN UNIT
						<i>USABLE ON CODE</i>		
						GROUP 0112 MODEM, DIGITAL DATA 1A12		
10	1	PAODL	5820-00-135-4592	SMD650576	80063	CONTROL-COMPARATOR, RADIO	EA	1
10	2	PAODL	5820-00-135-4593	SMD650577	80063	CONTROL-PROCESSOR	EA	2
10	3	PAODL	5820-00-135-4594	SMD650578	80063	PULSE-DECODER	EA	1
10	4	PAODD	5820-00-247-0176	SMD650579	80063	PROCESSOR, DIGITAL RADIO	EA	1
10	6	PAODL	5820-00-136-1234	SMB650580	80063	OSCILLATOR, VOLTAGE CONTROLLED	EA	2
10	8	PAODL	5820-00-135-4585	SMD650539	80063	REGENERATOR, DIGITAL CABLE	EA	1
10	9	PAODL	5820-00-135-4586	SMD650540	80063	CONTROL, COMPARATOR CABLE	EA	1
10	10	PAODL	5820-00-135-4587	SMD650542	80063	PROCESSOR, DIGITAL CABLE	EA	1
10	11	PAODL	5820-00-135-4588	SMD650543	80063	AMPLIFIER, AUDIO	EA	1
10	12	PAODL	5820-00-135-4589	SMD650545	80063	ALARM, MONITOR	EA	1
10	13	PAODL	5820-00-135-4590	SMD650547	80063	AMPLIFIER-DETECTOR, RADIO	EA	1
10	14	PAODL	5820-00-135-4591	SMD650575	80063	REGENERATOR, DIGITAL RADIO	EA	1



NOTE: FOR COMPLETE REFERENCE DESIGNATION, PREFIX WITH IA12A2.

EL3CT038

Figure 11. Regenerator, Digital Cable 1A12A2 (Sheet 1 of 2).

REF DES.	ITEM NO.	REF DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.
A1	1	C21	11	L9	18	R10	28	R31	40
C1	2	C22	12	L10	18	R11	30	R32	41
C2	3	C23	13	L11	19	R12	31	R33	42
C3	4	C24	5	P2	23	R13	32	R34	43
C4	3	C25	13	Q1	24	R14	30	R35	44
C5	4	CR1	14	Q2	24	R15	28	R36	45
C6	3	CR2	14	Q3	24	R16	29	R37	46
C7	4	CR3	14	Q5	25	R17	28	R38	36
C8	5	CR4	14	Q7	26	R18	30	R39	47
C9	6	DS1	15	Q8	27	R19	31	R40	48
C10	7	J1	16	Q9	27	R20	32	R41	49
C11	6	J2	16	Q10	27	R21	30	R42	50
C12	8	J3	17	R1	28	R22	33	R43	51
C13	5	L1	18	R2	29	R23	33	R44	52
C14	5	L2	19	R3	28	R24	34	R45	29
C15	6	L3	20	R4	30	R25	35	R46	53
C16	9	L4	21	R5	31	R26	36	TB1	54
C17	10	L5	21	R6	32	R27	37	T1	55
C18	6	L6	21	R7	30	R28	38	T2	55
C19	6	L7	22	R8	28	R29	30	W1	56
C20	6	L8	22	R9	29	R30	39	XDS1	57

NOTE: FOR COMPLETE REFERENCE DESIGNATION, PREFIX WITH 1A12A2.

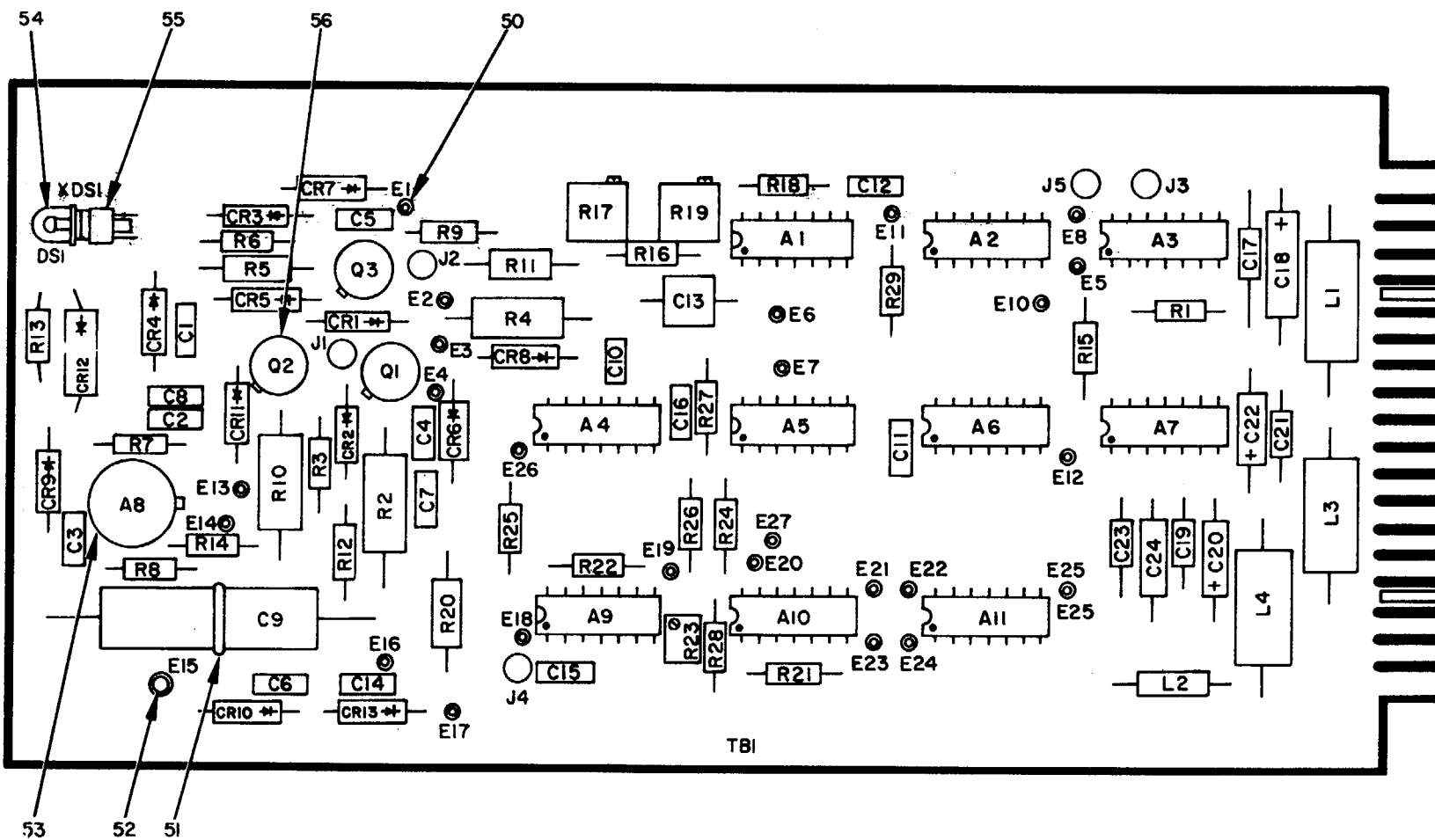
EL3CT039

Figure 11. Regenerator, Digital Cable 1A12A2 (2 of 2).

SECTION II

TM 11-5820-595-20P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
						USABLE ON CODE		
11 11	15 65	PAOZZ XDOZZ	6240-00-407-0703	CM8-1062 1813-9GREENG1-12	71744 97539	GROUP 011201 REGENERATOR, DIGITAL CABLE 1A12A2 LAMP, INCANDESCENT LENS, INDICATOR LIGHT	EA EA	1 1



NOTE: FOR COMPLETE REFERENCE DESIGNATION, PREFIX WITH 1A12A3

EL3CT040

Figure 12. Control, Comparator Cable 1A12A3 (1 of 2).

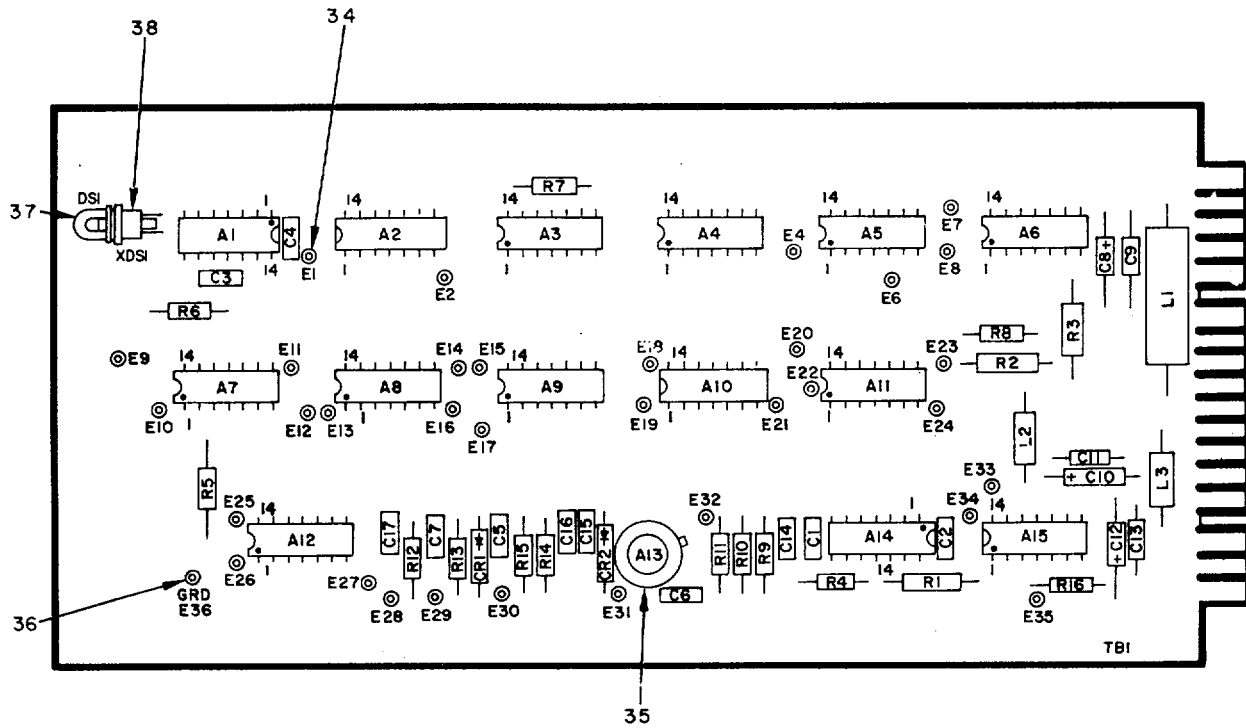
REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.
A1	1	C10	11	CR6	19	Q3	27	R20	39
A2	2	C11	8	CR7	19	R1	28	R21	40
A3	2	C12	8	CR8	17	R2	29	R22	41
A4	3	C13	12	CR9	17	R3	30	R23	42
A5	1	C14	8	CR10	18	R4	31	R24	43
A6	3	C15	9	CR11	17	R5	32	R25	44
A7	4	C16	9	CR12	20	R6	33	R26	44
A8	5	C17	13	CR13	21	R7	34	R27	45
A9	6	C18	14	DS1	22	R8	33	R28	46
A10	7	C19	13	J1	23	R9	35	R29	47
A11	2	C20	15	J2	23	R10	31	TB1	48
C1	8	C21	13	J3	23	R11	32	XDS1	49
C2	9	C22	15	J4	23	R12	33		
C3	9	C23	13	J5	23	R13	34		
C4	8	C24	16	L1	24	R14	36		
C5	8	CR1	17	L2	25	R15	28		
C6	8	CR2	17	L3	24	R16	37		
C7	8	CR3	17	L4	24	R17	38		
C8	8	CR4	18	Q1	26	R18	37		
C9	10	CR5	17	Q2	26	R19	38		

NOTE: FOR COMPLETE REFERENCE DESIGNATION, PREFIX WITH 1A12A3

EL3CT185

Figure 12. Control, Comparator Cable 1A12A3 (2 of 2).

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
						<i>USABLE ON CODE</i>		
12 12	22 54	PAOZZ XDOZZ	6240-00-407-0703	CM8-1062 1813-9GREENG1-12	71744 97539	GROUP 011202 CONTROL, COMPARATOR CABLE 1A12A3 LAMP, INCANDESCENT LENS, INDICATOR LIGHT	EA EA	1 1



REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.
A1	1	C5	11	R1	20
A2	2	C6	11	R2	21
A3	3	C7	10	R3	22
A4	4	C8	12	R4	23
A5	5	C9	13	R5	24
A6	4	C10	14	R6	23
A7	6	C11	13	R7	25
A8	4	C12	12	R8	26
A9	4	C13	13	R9	27
A10	2	C14	10	R10	28
A11	7	C15	10	R11	25
A12	4	C16	10	R12	29
A13	8	C17	10	R13	25
A14	1	CR1	15	R14	30
A15	9	CR2	16	R15	31
C1	10	DS1	17	R16	31
C2	10	L1	18	TBI	32
C3	10	L2	19	XDSI	33
C4	10	L3	19		

NOTE: FOR COMPLETE REFERENCE DESIGNATION, PREFIX WITH 1A12A4.

EL3CT041

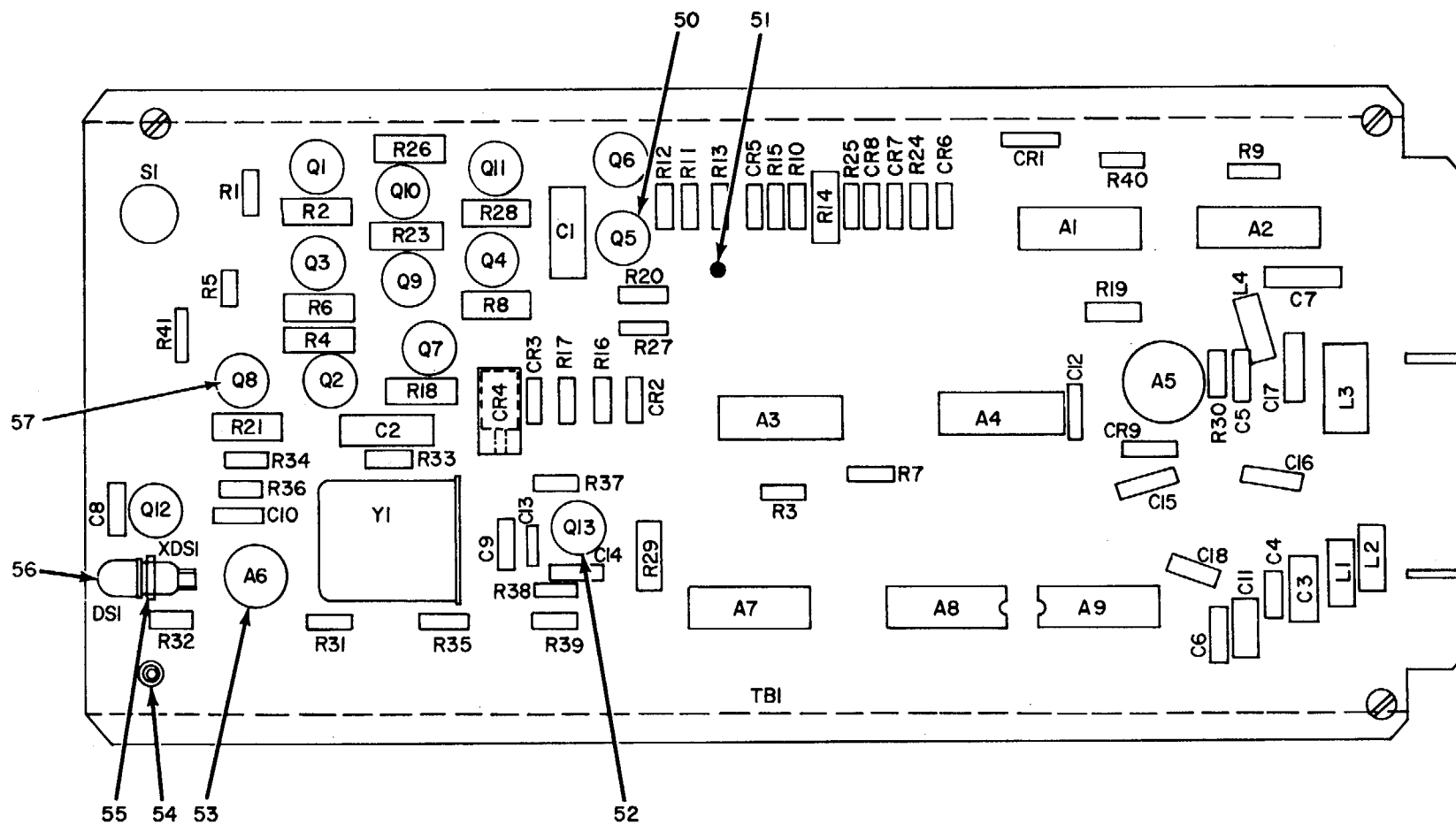
Figure 13. Processor, Digital Cable 1A12A4.

SECTION II

TM 11-5820-595-20P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
13 13	17 37	PAOZZ XDOZZ	6240-00-407-0703	CM8-1062 1813-9GREENG1-12	71744 97539	GROUP 011203 PROCESSOR, DIGITAL CABLE 1A12A4 LAMP, INCANDESCENT LENS, INDICATOR LIGHT	EA EA	1 1

USABLE ON CODE



NOTE: FOR COMPLETE REFERENCE DESIGNATION
PREFIX WITH 1A12A6

EL3CT043

Figure 14. Alarm Monitor 1A12A6 (1 of 2).

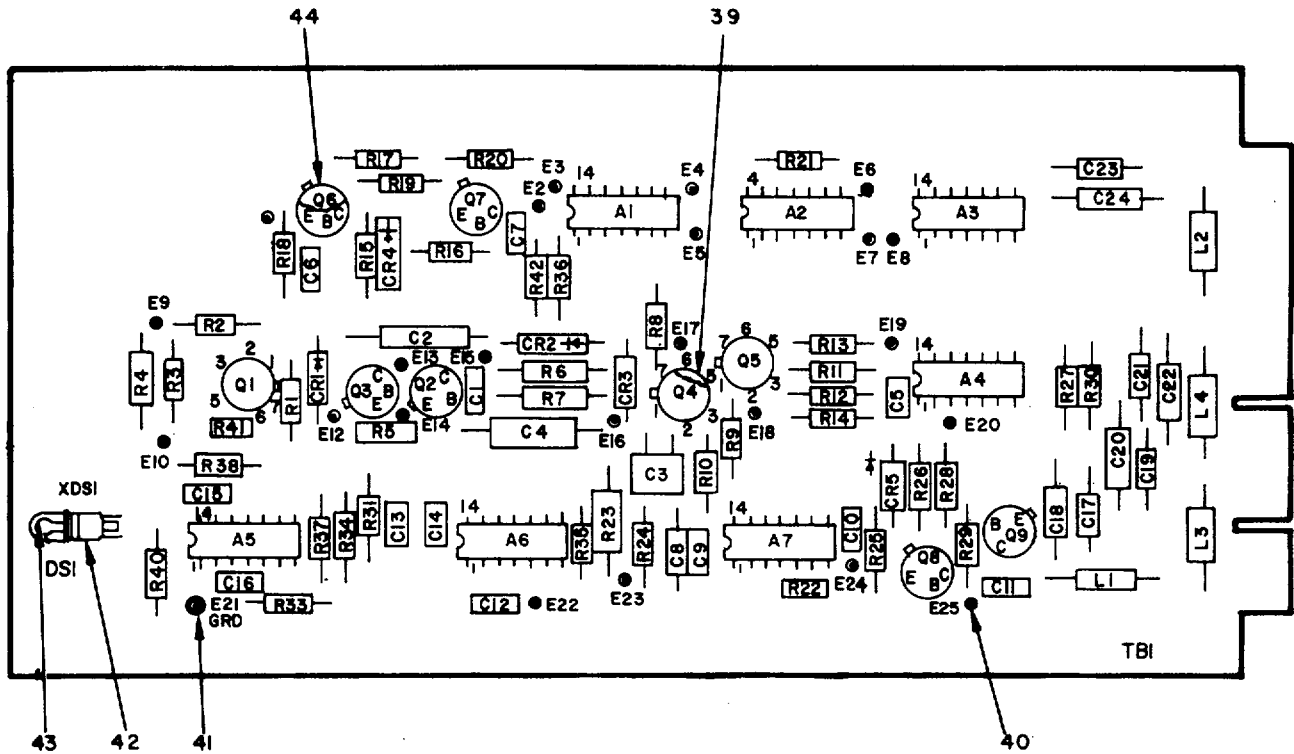
REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.
A1	1	C12	10	L4	25	R7	32	R27	32
A2	2	C13	16	Q1	27	R8	31	R28	31
A3	3	C14	14	Q2	27	R9	33	R29	40
A4	2	C15	17	Q3	27	R10	30	R30	30
A5	4	C16	10	Q4	27	R11	34	R31	30
A6	5	C17	18	Q5	28	R12	35	R32	30
A7	3	C18	19	Q6	27	R13	36	R33	41
A8	3	CR1	20	Q7	27	R14	31	R34	42
A9	6	CR2	21	Q8	27	R15	37	R35	30
C1	7	CR3	21	Q9	27	R16	38	R36	43
C2	8	CR4	22	Q10	27	R17	39	R37	41
C3	9	CR5	21	Q11	27	R18	31	R38	30
C4	10	CR6	21	Q12	27	R19	33	R39	36
C5	11	CR7	21	Q13	29	R20	32	R40	44
C6	10	CR8	21	R1	30	R21	31	R41	45
C7	12	CR9	23	R2	31	R22	30	S1	46
C8	13	DS1	24	R3	32	R23	31	TB1	47
C9	14	L1	25	R4	31	R24	30	XDS1	48
C10	14	L2	25	R5	30	R25	35	Y1	49
C11	15	L3	26	R6	31	R26	31		

**NOTE: FOR COMPLETE REFERENCE DESIGNATION
PREFIX WITH IA12A6**

EL3CT044

Figure 14. Alarm Monitor 1A12A6 (2 of 2).

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
14 14	24 56	PAOZZ XDOZZ	6240-00-407-0703	CM8-1062 1813-9REDR2-12	71744 97539	GROUP 011205 ALARM MONITOR 1A12A6 LAMP, INCANDESCENT LENS, INDICATOR LIGHT	EA EA	1 1



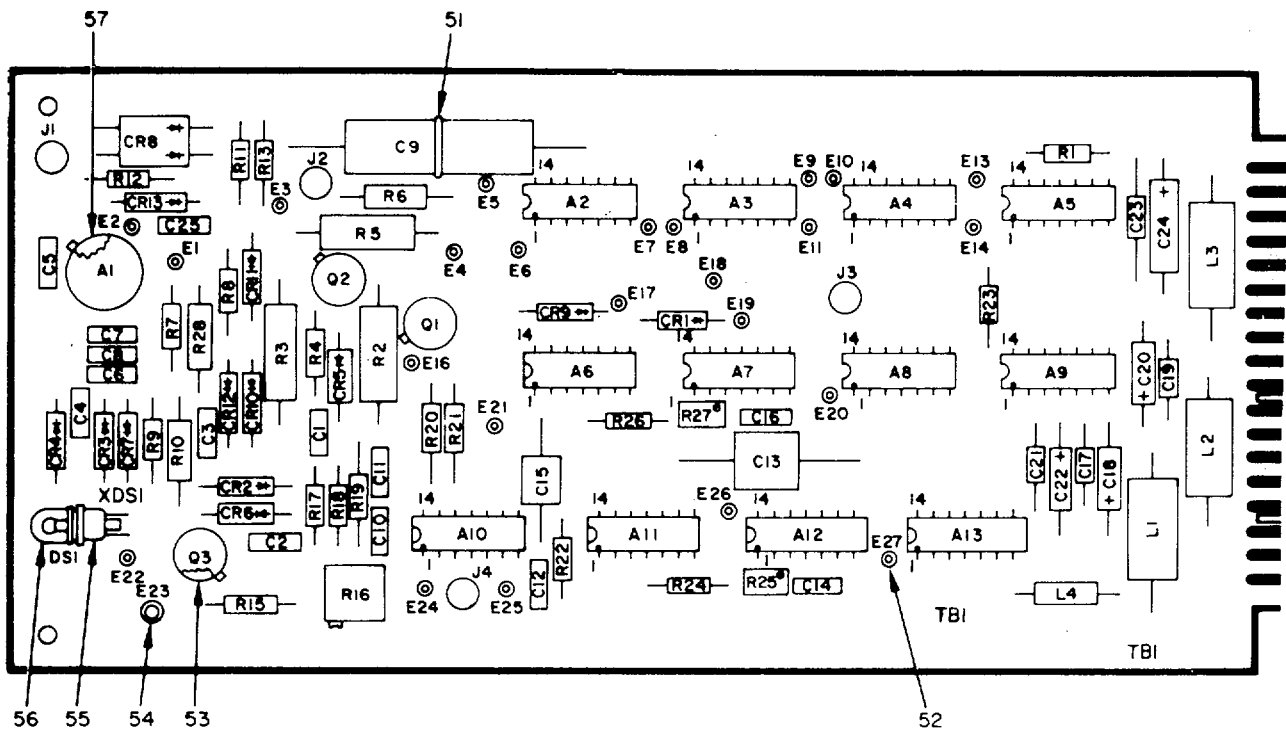
REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.
A1	1	C13	8	L2	16	R8	25	R27	21
A2	2	C14	5	L3	15	R9	25	R28	28
A3	3	C15	5	L4	15	R10	25	R29	29
A4	4	C16	8	Q1	17	R11	26	R30	30
A5	4	C17	9	Q2	18	R12	26	R31	34
A6	4	C18	10	Q3	19	R13	27	R33	35
A7	4	C19	9	Q4	17	R14	27	R34	30
C1	5	C20	10	Q5	20	R15	28	R35	36
C2	6	C21	9	Q6	18	R16	27	R36	35
C3	7	C22	11	Q7	18	R17	21	R37	30
C4	6	C23	9	Q8	18	R18	28	R38	34
C5	5	C24	11	Q9	18	R19	29	R40	35
C6	5	CR1	12	R1	21	R20	30	R41	36
C7	5	CR2	13	R2	22	R21	31	R42	35
C8	8	CR3	13	R3	22	R22	30	TBI	37
C9	5	CR4	12	R4	23	R23	32	XDSI	38
C10	5	CR5	12	R5	23	R24	33		
C11	5	DSI	14	R6	24	R25	27		
C12	8	L1	15	R7	24	R26	28		

NOTE: FOR COMPLETE REFERENCE DESIGNATION, PREFIX WITH 1A12A8.

EL3CT046

Figure 15. Regenerator, Digital Radio 1A12A8.

(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
15 15	14 43	PAOZZ XDOZZ	6240-00-407-0703	CM8-1062 1813-9GREENG1-12	71744 97539	GROUP 011207 REGENERATOR, DIGITAL RADIO 1A12A8 LAMP, INCANDESCENT LENS, INDICATOR LIGHT	EA EA	1 1



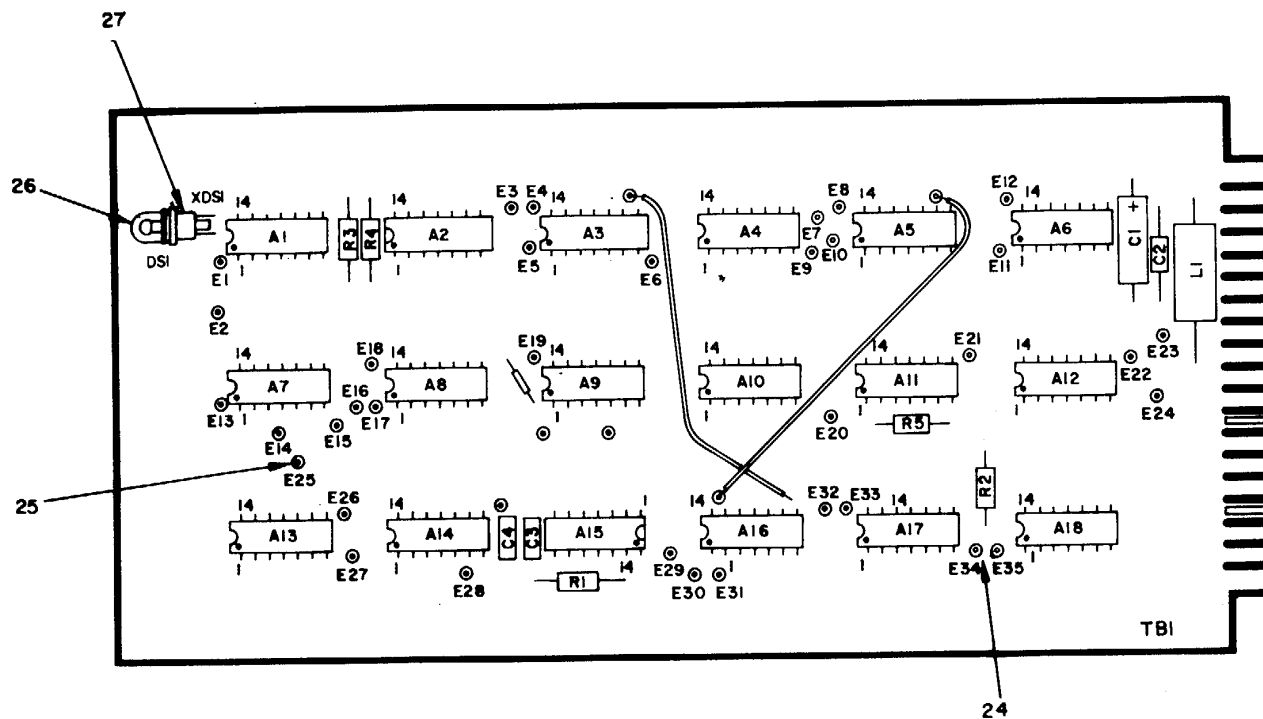
NOTE: FOR COMPLETE REFERENCE DESIGNATION,
PREFIX WITH 1A12A9.

REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.
A1	1	C7	11	CR1	19	L2	26	R15	39
A2	2	C8	10	CR2	19	L3	26	R16	40
A3	3	C9	12	CR3	19	L4	27	R17	41
A4	3	C10	11	CR4	20	Q1	28	R18	30
A5	4	C11	10	CR5	21	Q2	28	R19	42
A6	5	C12	11	CR6	21	Q3	29	R20	43
A7	6	C13	13	CR7	19	R1	30	R21	30
A8	7	C14	10	CR8	22	R2	31	R22	44
A9	6	C15	14	CR9	19	R3	32	R23	45
A10	8	C16	10	CR10	19	R4	33	R24	46
A11	5	C17	15	CR11	19	R5	32	R25	47
A12	9	C18	16	CR12	20	R6	34	R26	46
A13	9	C19	15	CR13	23	R7	35	R27	47
C1	10	C20	16	DS1	24	R8	36	R28	48
C2	10	C21	15	J1	25	R9	36	TBI	49
C3	10	C22	17	J2	25	R10	34	XDS1	50
C4	10	C23	15	J3	25	R11	37		
C5	11	C24	18	J4	25	R12	37		
C6	10	C25	10	L1	26	R13	38		

EL3CT047

Figure 16. Control Comparator, Radio 1A12A9.

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
						<i>USABLE ON CODE</i>		
16 16	24 56	PAOZZ XDOZZ	6240-00-407-0703	CM8-1062 1813-9GREENG1-12	71744 97539	GROUP 011208 CONTROL COMPARATOR, RADIO 1A12A9 LAMP, INCANDESCENT LENS, INDICATOR LIGHT	EA EA	1 1



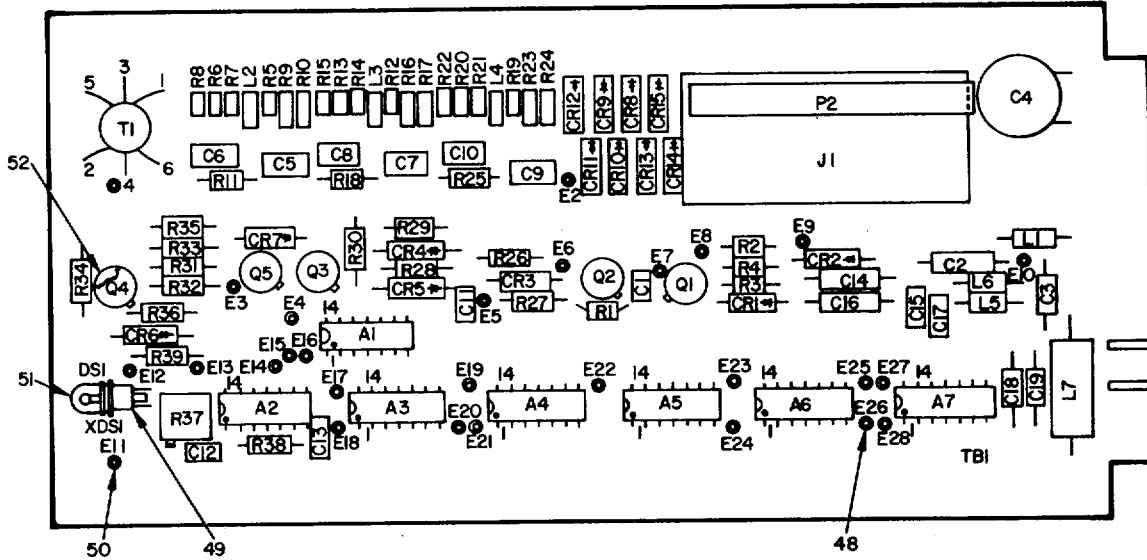
NOTE: FOR COMPLETE REFERENCE DESIGNATION, PREFIX WITH 1A12A10 or 1A12A12

REF. DES.	ITEM. NO.	REF. DES.	ITEM. NO.	REF. DES.	ITEM. NO.	REF. DES.	ITEM. NO.
A1	1	A9	7	A17	10	R1	17
A2	2	A10	1	A18	6	R2	18
A3	3	A11	6	C1	11	R3	19
A4	4	A12	8	C2	12	R4	20
A5	5	A13	6	C3	13	R5	21
A6	1	A14	6	C4	14	TBI	22
A7	6	A15	9	DSI	15	XDSI	23
A8	6	A16	1	L1	16		

EL3CT048

Figure 17. Control Processor 1A12A10.

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
17 17	15 26	PAOZZ XDOZZ	6240-00-407-0703	CM8-1062 1813-9GREENG1-12	71744 97539	GROUP 011209 CONTROL PROCESSOR 1A12A10 LAMP, INCANDESCENT LENS, INDICATOR LIGHT	EA EA	1 1



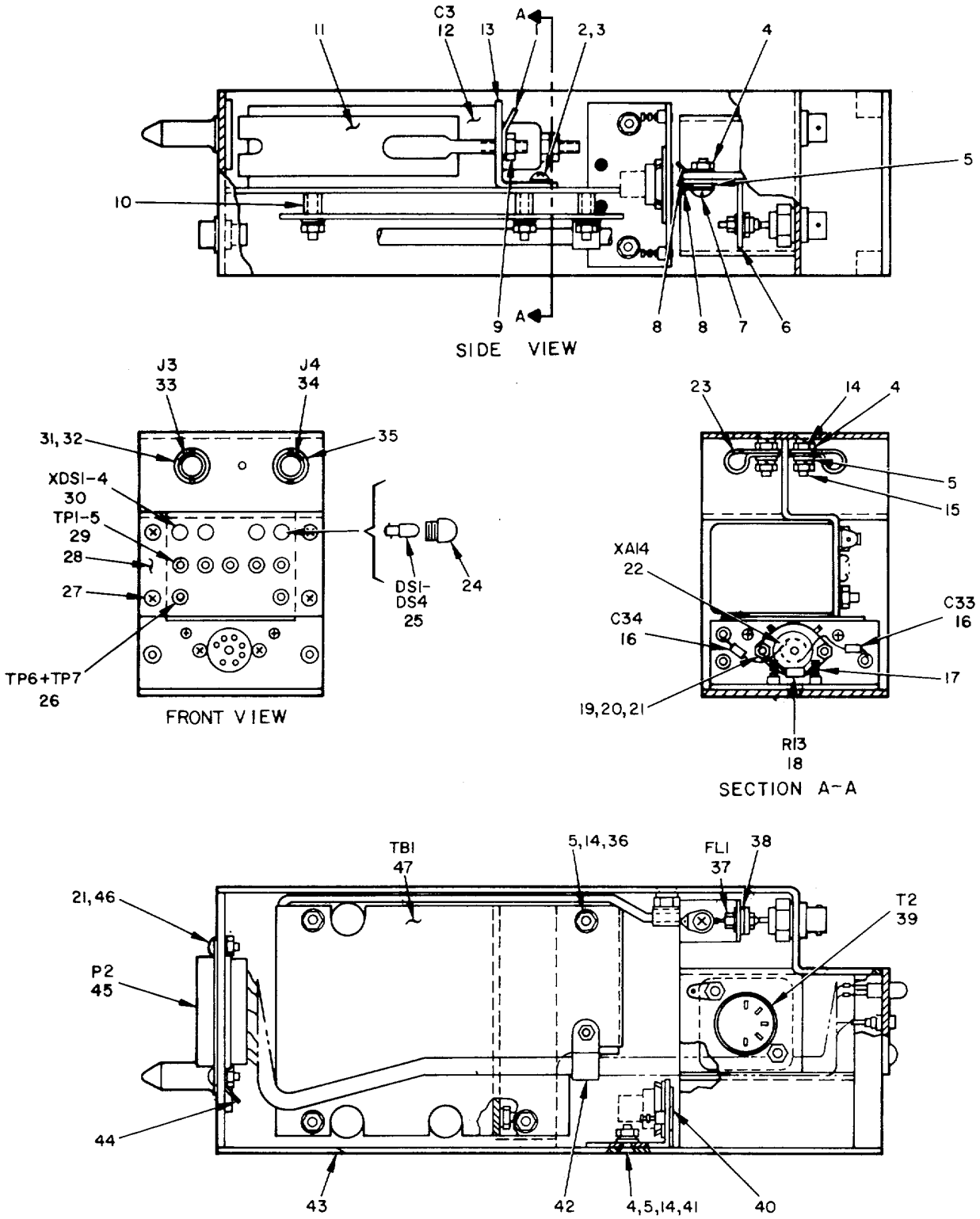
REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.		
A1	1	C4	9	C14	15	CR5	17	CRI5	16	P2	23	R5	30	R15	32	R25	34	R35	39
A2	2	C5	10	C15	14	CR6	17	DSI	18	Q1	24	R6	31	R16	33	R26	35	R36	42
A3	3	C6	11	C16	15	CR7	17	J1	19	Q2	25	R7	31	R17	33	R27	29	R37	43
A4	4	C7	10	C17	14	CR8	16	L1	20	Q3	26	R8	32	R18	34	R28	36	R38	44
A5	3	C8	11	C18	8	CR9	16	L2	21	Q4	25	R9	33	R19	30	R29	37	R39	40
A6	4	C9	10	C19	7	CR10	16	L3	21	Q5	25	R10	33	R20	31	R30	38	TBI	45
A7	5	C10	11	CRI	16	CRI1	16	L4	21	R1	27	R11	34	R21	31	R31	39	T1	46
C1	6	C11	12	CR2	17	CR12	16	L5	20	R2	28	R12	30	R22	32	R32	40	XDSI	47
C2	7	C12	13	CR3	17	CR13	16	L6	20	R3	29	R13	31	R23	33	R33	40		
C3	8	C13	14	CR4	17	CR14	16	L7	22	R4	29	R14	31	R24	33	R34	41		

NOTE: FOR COMPLETE REFERENCE DESIGNATION,
PREFIX WITH 1A12A13.

EL3CT051

Figure 18. Processor Digital Radio 1A12A13.

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
18 18	18 51	PAOZZ XDOZZ	6240-00-407-0703	CM8-1062 1813-9GREENG1-12	71744 97539	GROUP 011212 PROCESSOR DIGITAL RADIO 1A12A13 LAMP, INCANDESCENT LENS, INDICATOR LIGHT	<i>USABLE ON CODE</i> EA EA	1 1

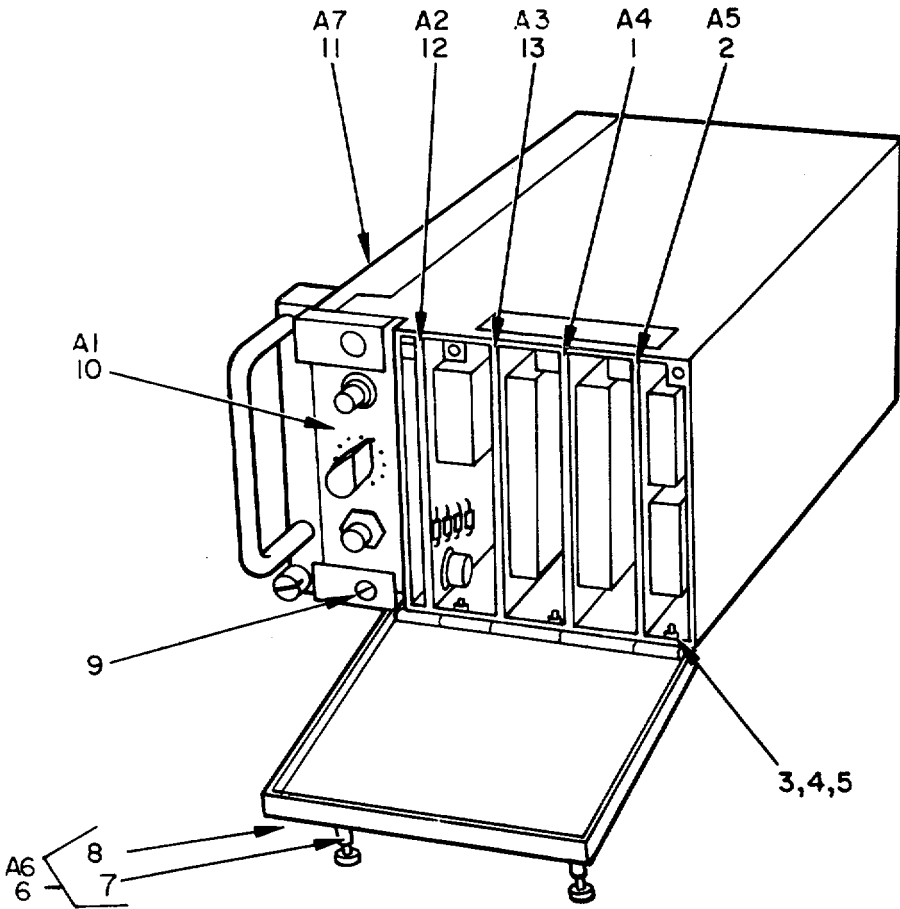


NOTE: FOR COMPLETE REFERENCE DESIGNATION
PREFIX WITH 1A12A15A2.

EL3CT055

Figure 19. Chassis, Modem Digital Data 1A12A15A2.

(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
19	24	XDOZZ		CR25-1007-5	71744	GROUP 011213 CHASSIS, MODEM DIGITAL DATA 1A12A15A2	EA	4
19	25	XDOZZ		CM8-1061	71744	LENS, INDICATOR LIGHT LAMP, INCANDESCENT	EA	4

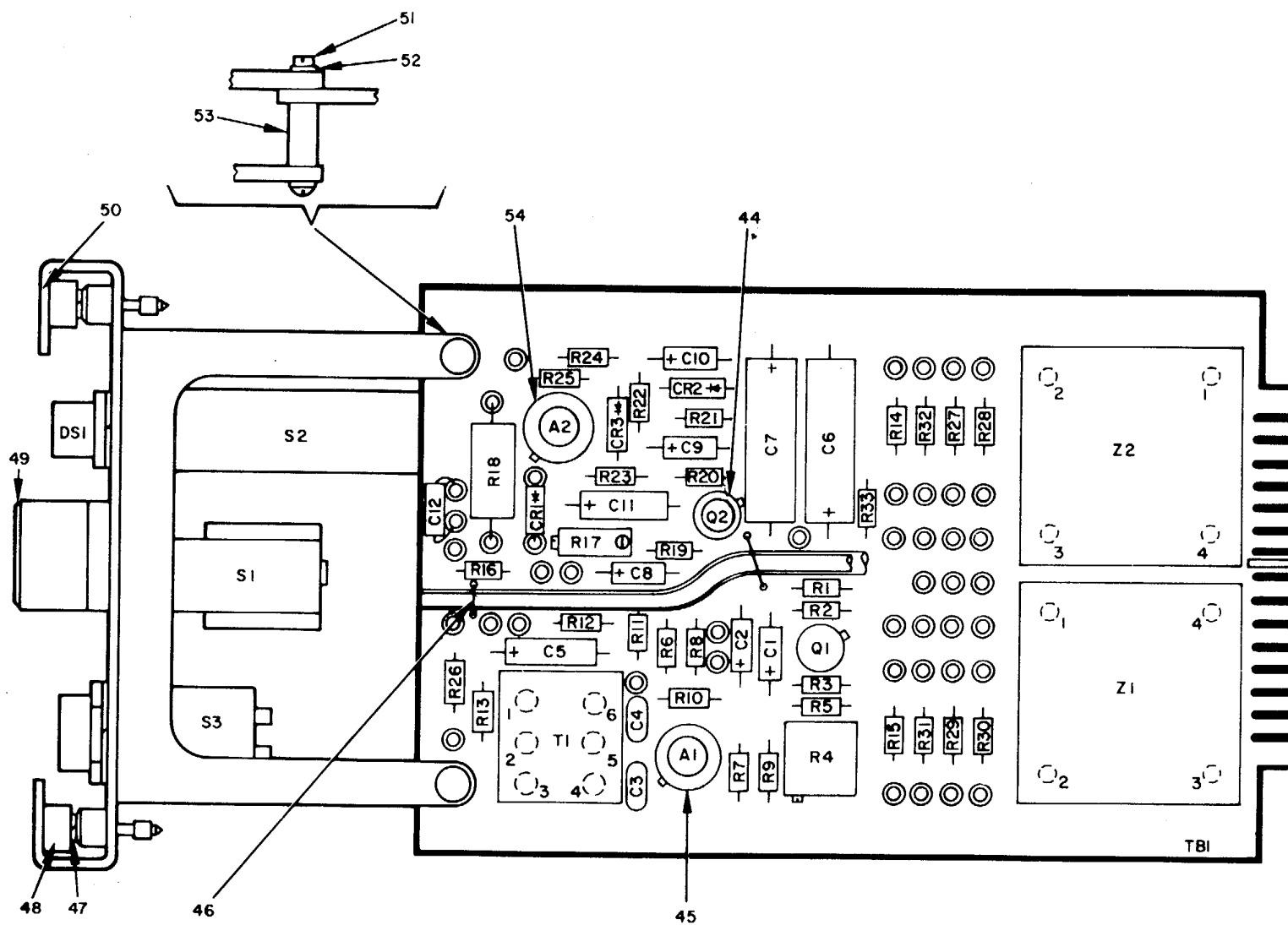


NOTE: FOR COMPLETE REFERENCE DESIGNATION
PREFIX WITH 1A13.

EL3CT057

Figure 20. Order Wire 1A13.

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	<i>USABLE ON CODE</i>	U/M	QTY INC IN UNIT
						GROUP 0113 ORDER WIRE 1A13		
20	1	PAODL	5820-00-405-4563	SMD651612	80063	DAUGHTER BOARD NO. 4 ASSEMBLY	EA	1
20	2	PAODL	5820-00-451-8277	SMD651613	80063	DAUGHTER BOARD NO. 5 ASSEMBLY	EA	1
20	10	PAODL	5820-00-256-5726	SMD651609	80063	DAUGHTER BOARD NO 1 ASSEMBLY	EA	1
20	12	PAODL	5820-00-256-5729	SMD651610	80063	DAUGHTER BOARD NO. 2 ASSEMBLY	EA	1
20	13	PAODL	5820-00-256-5730	SMD651611	80063	DAUGHTER BOARD NO. 3 ASSEMBLY	EA	1



NOTE: FOR COMPLETE REFERENCE DESIGNATION, PREFIX WITH 1A13A1.

EL3CT058

Figure 21. Daughter Board No. 1 1A13A1 (Sheet 1 of 2).

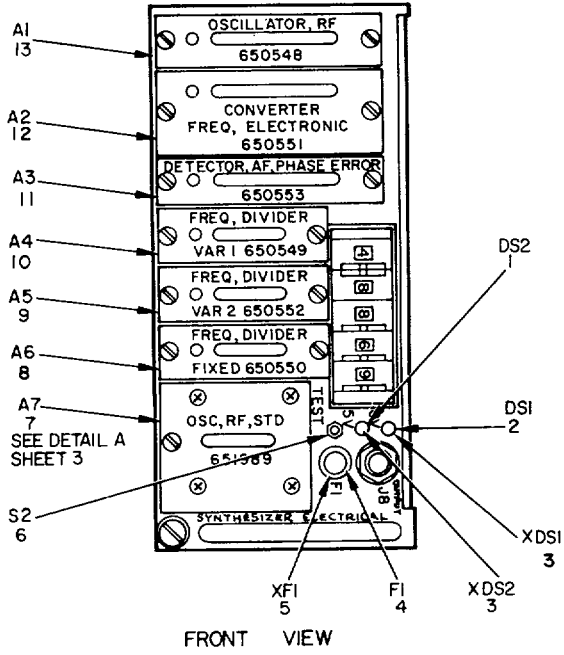
REF. DES.	ITEM NO.	REF DES.	ITEM NO.	REF DES.	ITEM NO.
A1	1	R2	14	R22	20
A2	2	R3	15	R23	22
C1	3	R4	16	R24	13
C2	3	R5	14	R25	22
C3	4	R6	17	R26	32
C4	5	R7	18	R27	33
C5	6	R8	19	R28	34
C6	7	R9	18	R29	18
C7	7	R10	20	R30	35
C8	3	R11	21	R31	35
C9	3	R12	22	R32	34
C10	3	R13	23	R33	26
C11	8	R14	24	S1	36
C12	9	R15	25	S2DS1	37
CR1	10	R16	26	S2	38
CR2	11	R17	27	S3	39
CR3	11	R18	28	T1	40
Q1	12	R19	29	TB1	41
Q2	12	R20	30	Z1	42
R1	13	R21	31	Z2	43

**NOTE: FOR COMPLETE REFERENCE DESIGNATION,
PREFIX WITH 1A13A1.**

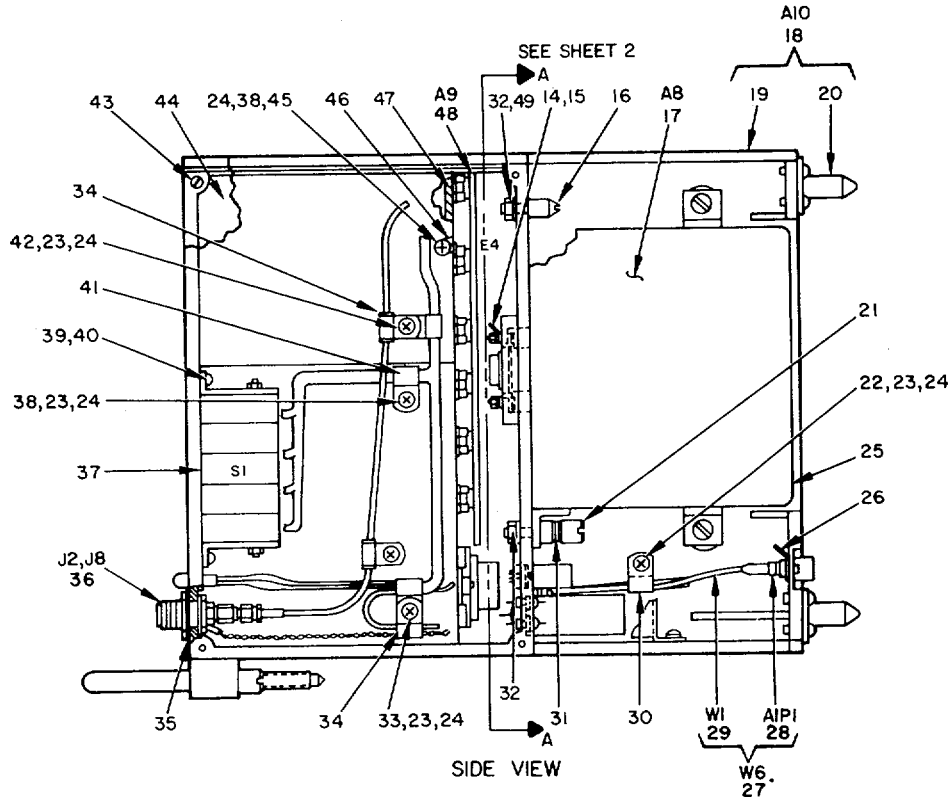
EL3CT059

Figure 21. Daughter Board No. 1 1A13A1 (Sheet 2 of 2).

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
						<i>USABLE ON CODE</i>		
21	37	PAOZZ	6240-00-965-1381	382	08806	GROUP 011301 DAUGHTER BOARD NO. 1 1A13A1	EA	1
21	49	PAOZZ	5355-00-959-3161	MS91528-0K1B	96906	LAMP, INCANDESCENT KNOB, CONTROL	EA	1



FRONT VIEW



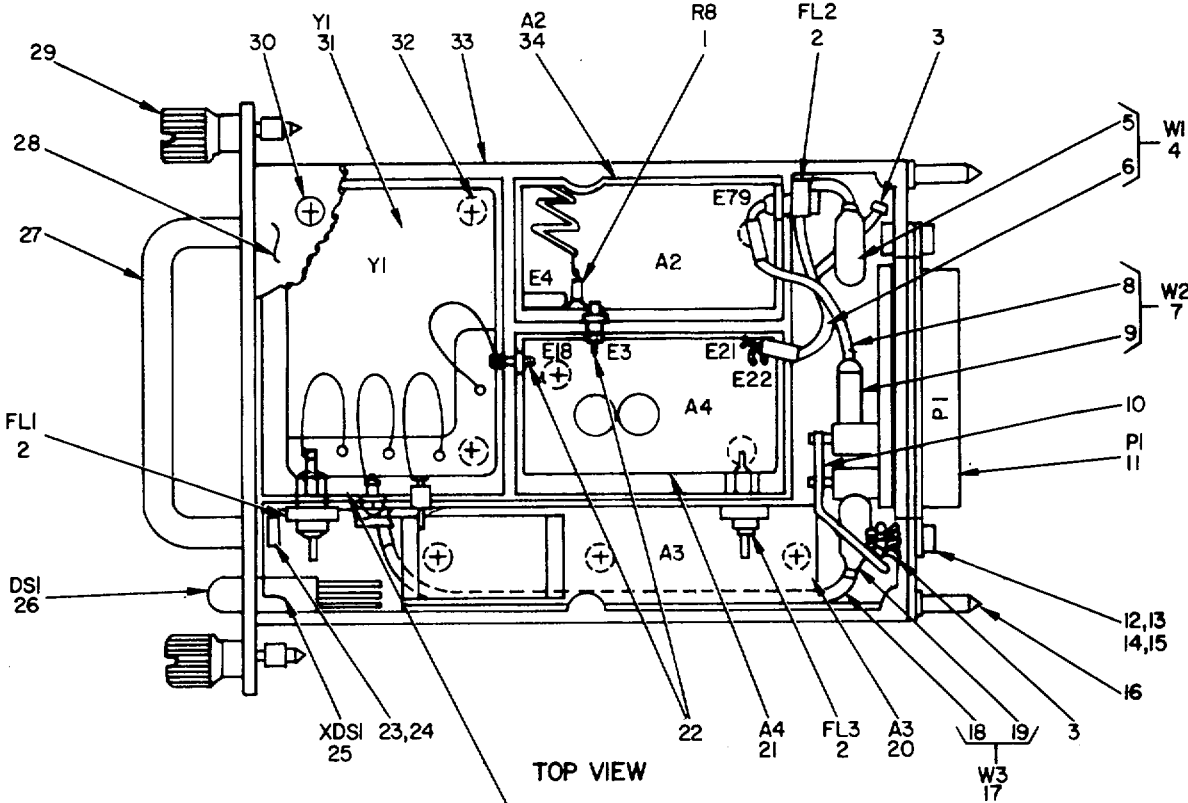
SIDE VIEW

NOTE: FOR COMPLETE REFERENCE DESIGNATION, PREFIX WITH 1A14.

EL3CT070

Figure 22. Synthesizer, Electrical Frequency 1A14.

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
						<i>USABLE ON CODE</i>		
						GROUP 0114 SYNTHESIZER, ELECTRICAL FREQUENCY 1A14		
22	1	PAOZZ	6240-00-060-2941	SMC651876-2	80063	LAMP, INCANDESCENT	EA	1
22	2	PAOZZ	6240-00-168-0411	62TRANSEYE	00303	LAMP, INCANDESCENT	EA	1
22	4	PAOZZ	5920-00-777-6473	FM01-3A	81349	FUSE, INSTRUMENT	EA	1
22	7	PAODL	5820-00-136-4959	SMC651989	80063	OSCILLATOR, RADIO FREQUENCY	EA	1
22	8	PAODL	5820-00-136-1235	SMD650550	80063	FREQUENCY DIVIDER, FIXED ASSEMBLY	EA	1
22	9	PAODL	5820-00-136-1256	SMD650552	80063	FREQUENCY DIVIDER, VARIABLE	EA	1
22	10	PAODL	5820-00-136-1255	SMD650549	80063	FREQUENCY DIVIDER, VARIABLE	EA	1
22	11	PAODL	5820-00-136-1257	SMD650553	80063	DETECTOR, AUDIO FREQUENCY PHASE ERROR	EA	1
22	12	PAODL	5820-00-136-1258	SMD650551	80063	CONVERTER FREQUENCY, ELECTRONIC	EA	1
22	13	PAODL	5820-00-136-1232	SMD650548	80063	OSCILLATOR, RADIO FREQUENCY, VOLTAGE CONTROLLED	EA	1
22	17	PAODL	6130-00-135-4552	SMC651807	80063	DUAL POWER SUPPLY	EA	1

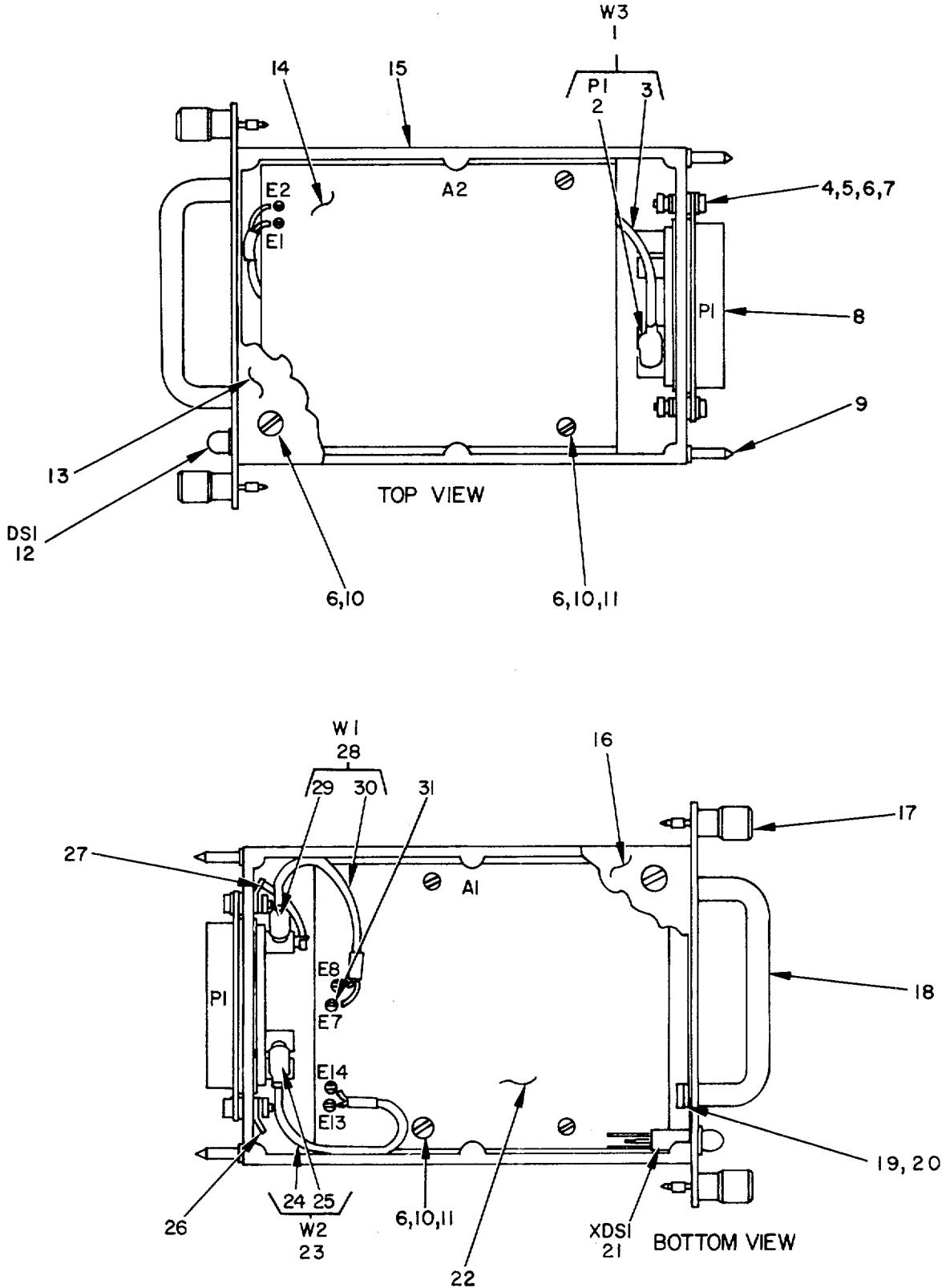


NOTE: FOR COMPLETE REFERENCE DESIGNATION, PREFIX WITH 1A14A1.

EL3CT073

Figure 23. Oscillator, Radio Frequency 1A14A1.

(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
23	26	PAOZZ	6240-00-168-0411	62TRANSEYE	00303	GROUP 011401 OSCILLATOR, RADIO FREQUENCY 1A14A1 LAMP, INCANDESCENT	EA	1

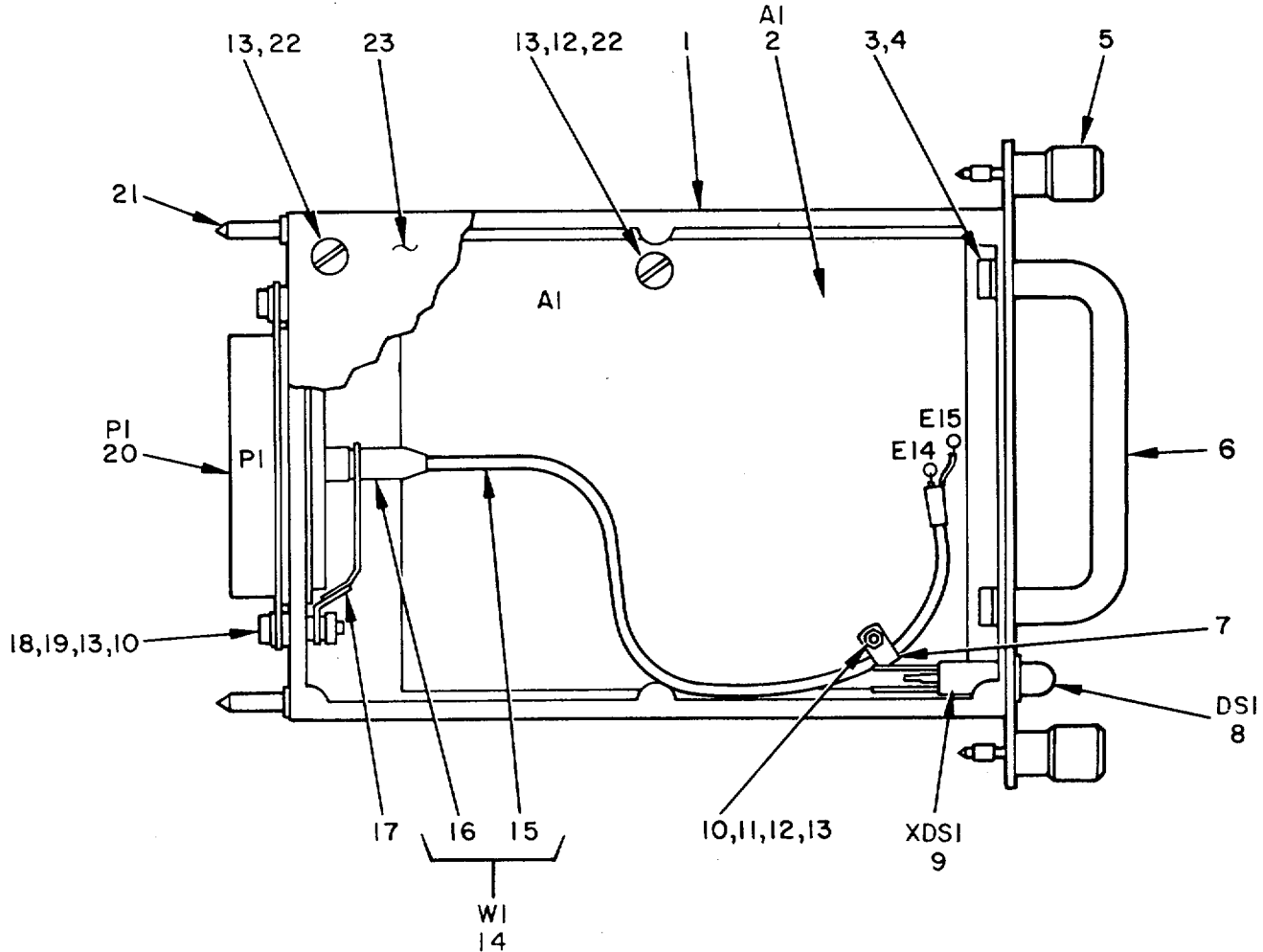


NOTE: FOR COMPLETE REFERENCE DESIGNATION, PREFIX WITH 1A14A2.

EL3CT077

Figure 24. Converter, Frequency Electronic 1A14A2.

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
24	12	PAOZZ	6240-00-168-0411	62TRANSEYE	00303	GROUP 011402 CONVERTER, FREQUENCY ELECTRONIC 1A14A2 LAMP, INCANDESCENT <i>USABLE ON CODE</i>	EA	1



NOTE: FOR COMPLETE REFERENCE DESIGNATION,
PREFIX WITH 1A14A3.

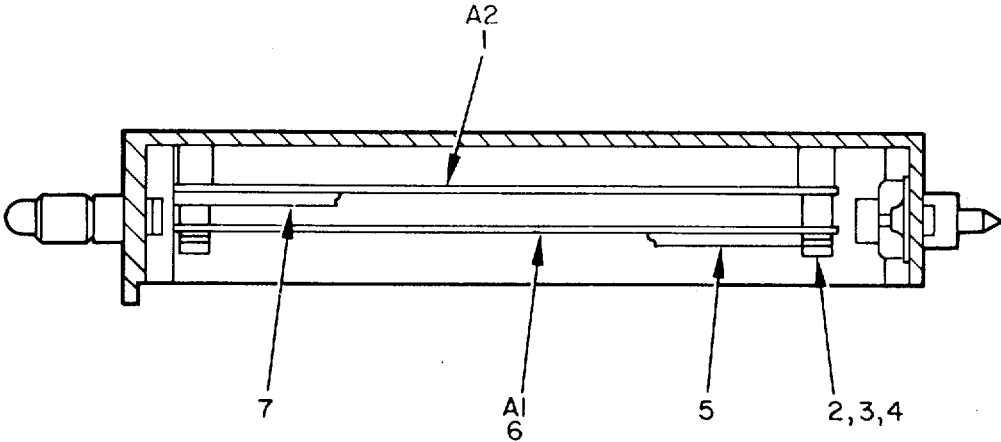
EL3CT081

Figure 25. Detector, Audio Frequency, Phase Error 1A14A3.

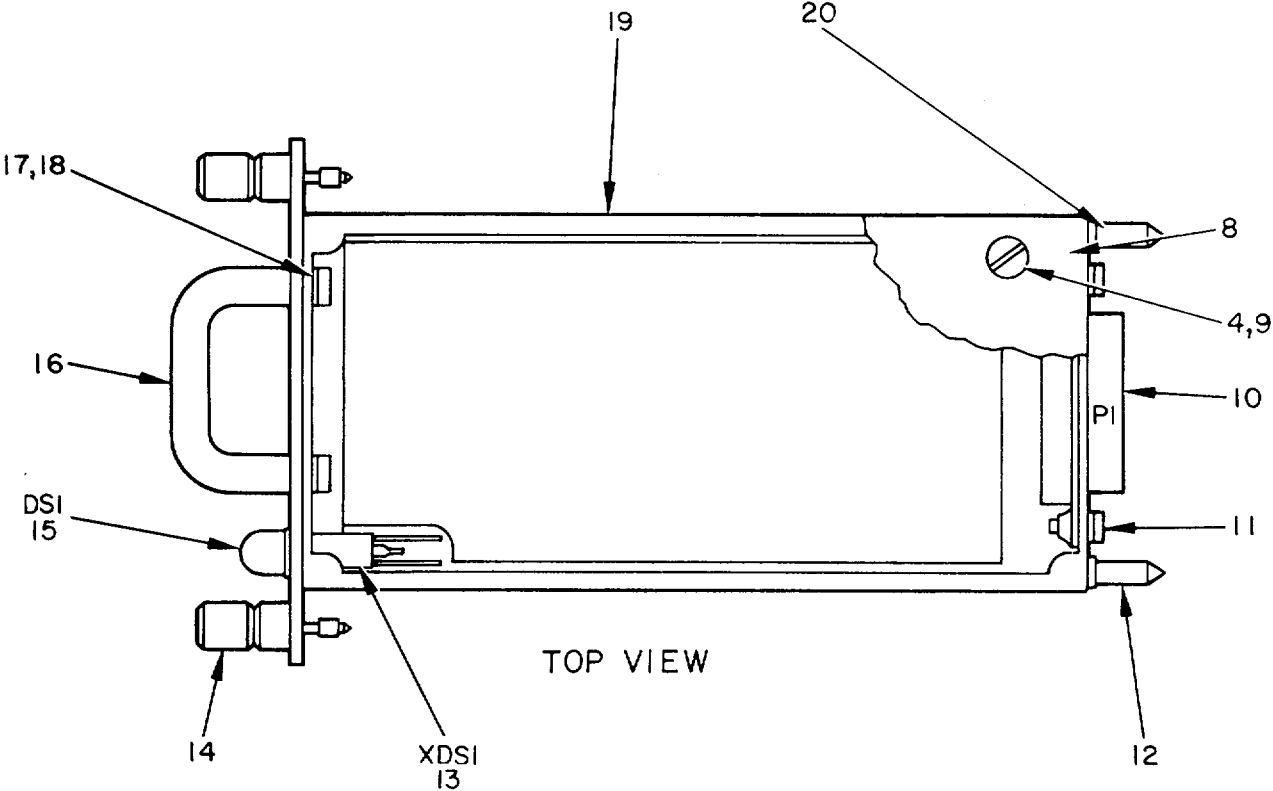
SECTION II

TM 11-5820-595-20P

(1) ILLUSTRATION		(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION <i>USABLE ON CODE</i>	(7) U/M	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.							
25	8	PAOZZ	6240-00-168-0411	62TRANSEYE	00303	GROUP 011403 DETECTOR, AUDIO FREQUENCY, PHASE ERROR 1A14A3 LAMP, INCANDESCENT	EA	1



SIDE VIEW



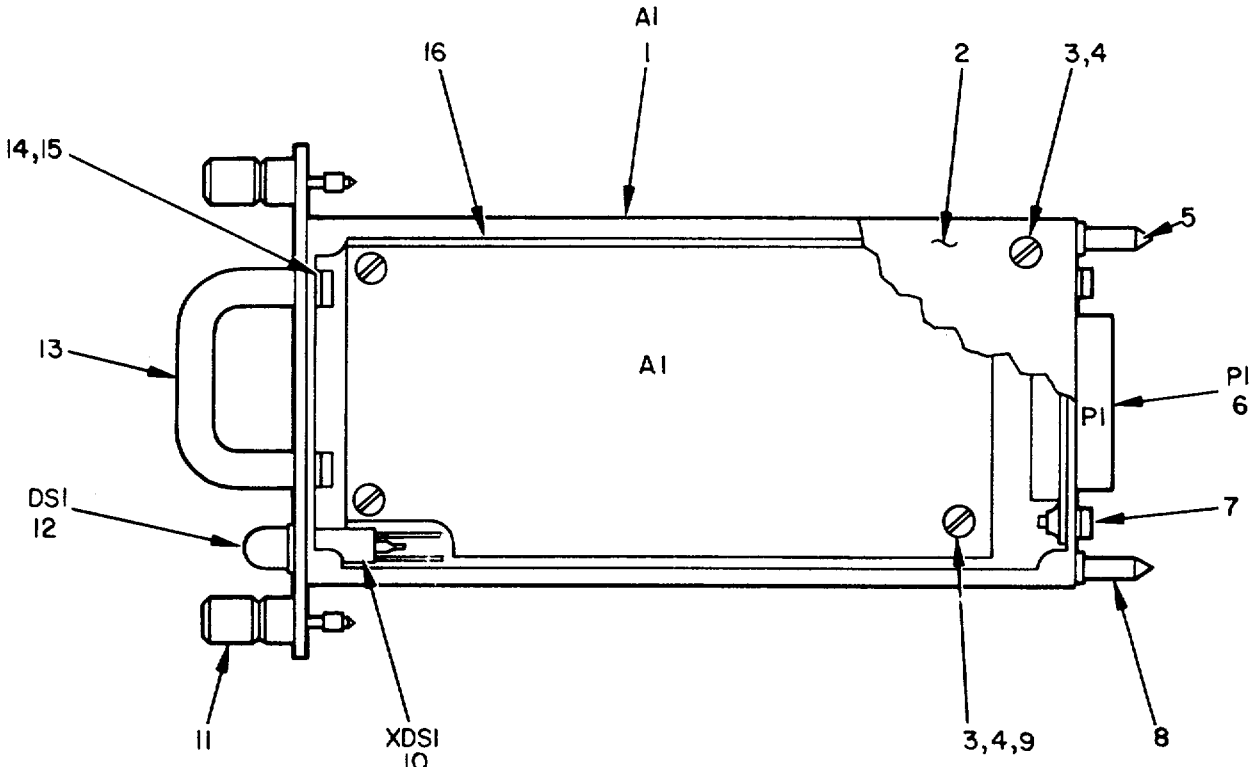
TOP VIEW

NOTE: FOR COMPLETE REFERENCE DESIGNATION,
PREFIX WITH 1A14A4.

EL3CT084

Figure 26. Frequency Divider, Variable No.1 1A14A4.

(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
26	15	PAOZZ	6240-00-060-2941	SMC651876-2	80063	GROUP 011404 FREQUENCY DIVIDER, VARIABLE NO. 1 1A14A4 LAMP, INCANDESCENT	EA	1

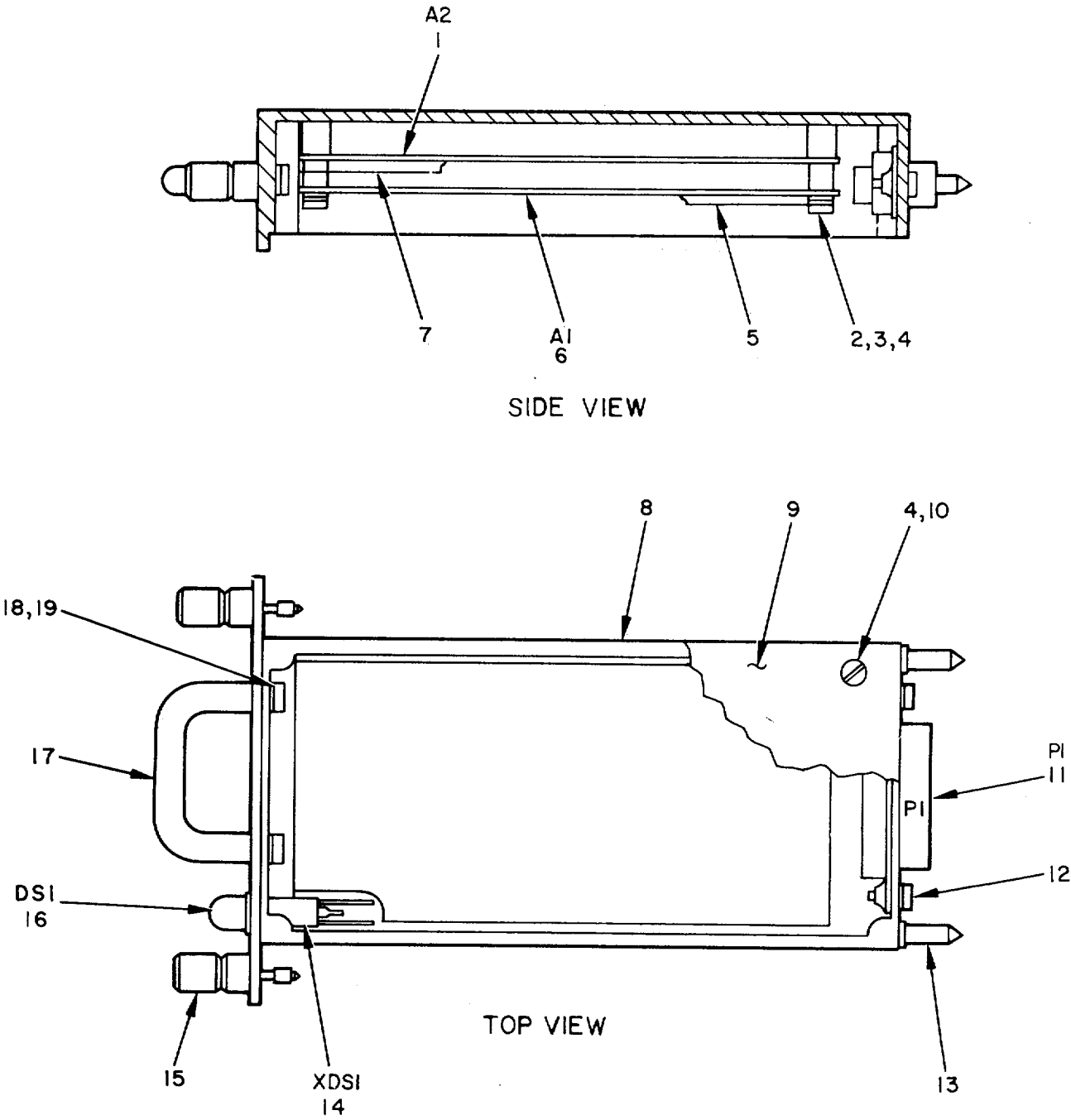


NOTE: FOR COMPLETE REFERENCE DESIGNATION,
PREFIX WITH 1A14A5.

EL3CT087

Figure 27. Frequency Divider, Variable No. 2 1A14A5.

(1) ILLUSTRATION		(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION <i>USABLE ON CODE</i>	(7) U/M	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.							
27	12	PAOZZ	6240-00-060-2941	SMC651876-2	80063	GROUP 011405 FREQUENCY DIVIDER, VARIABLE NO. 2 1A14A5 LAMP, INCANDESCENT	EA	1



NOTE: FOR COMPLETE REFERENCE DESIGNATION, PREFIX WITH 1A14A6.

EL3CT089

Figure 28. Frequency Divider, Fixed 1A14A6.

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
28	16	PAOZZ	6240-00-060-2941	SMC651876-2	80063	GROUP 011406 FREQUENCY DIVIDER, FIXED 1A14A6 LAMP, INCANDESCENT	EA	1

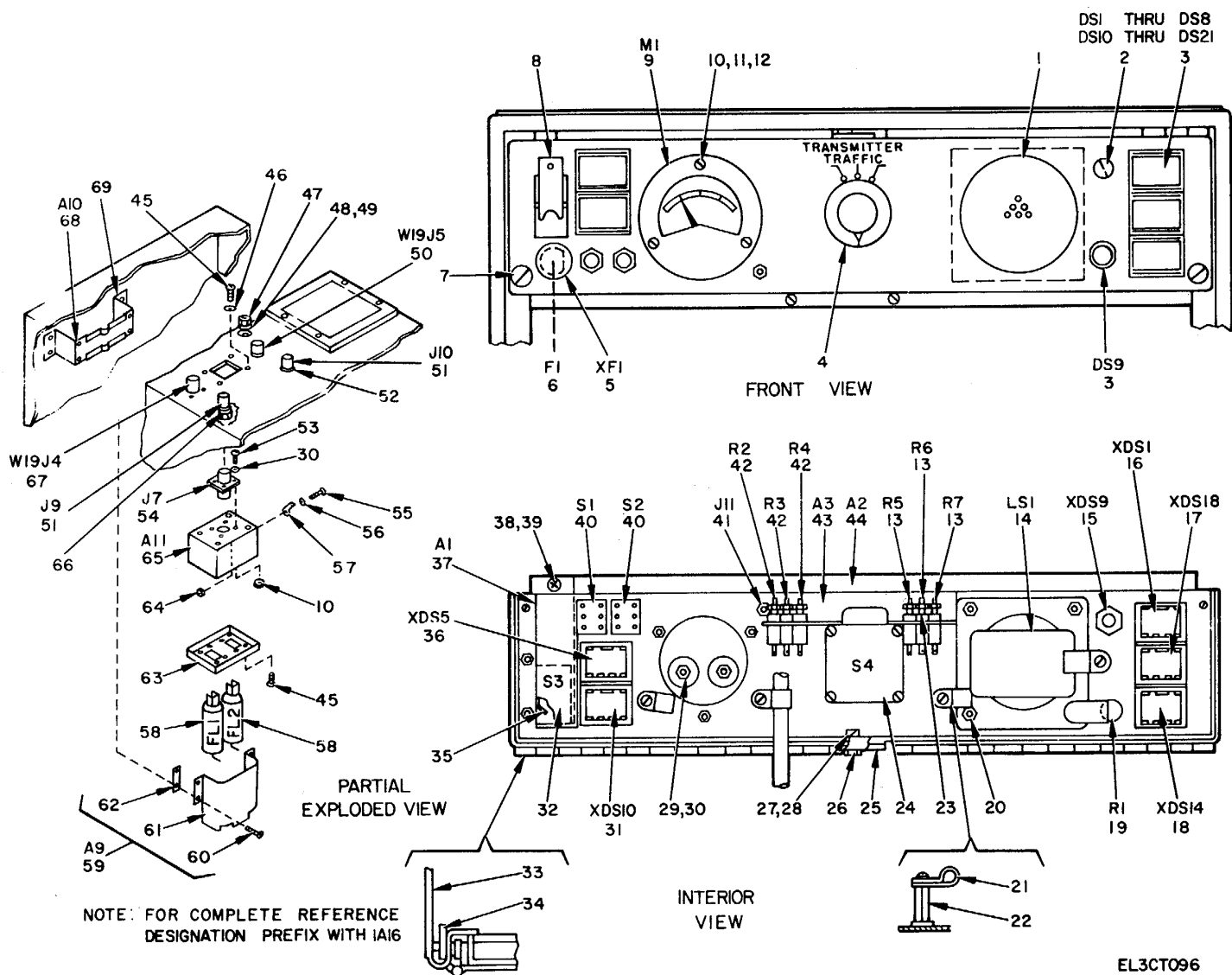


Figure 29. Cabinet, Electrical Equipment 1A16 (Sheet 1 of 3).

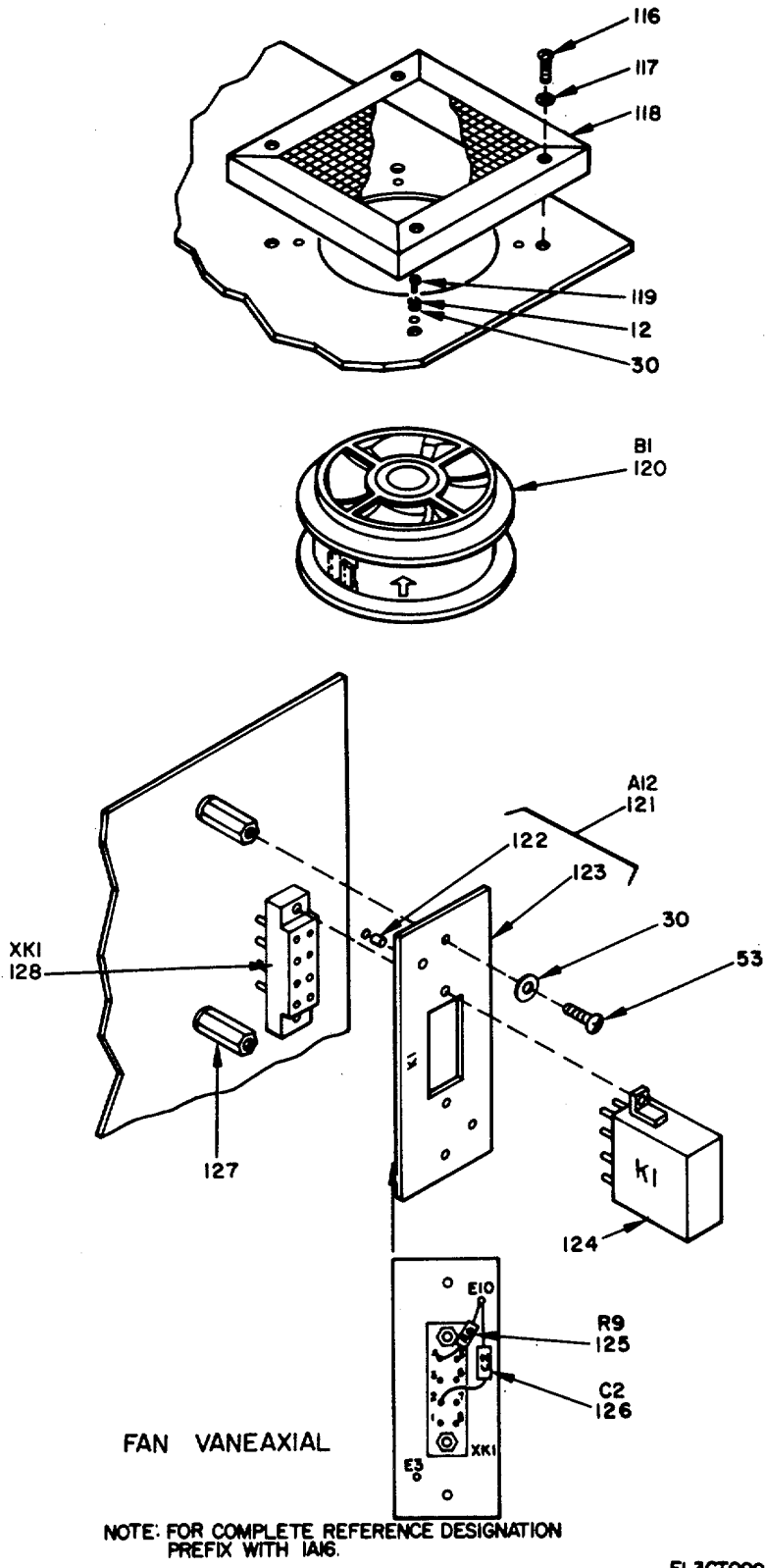


Figure 29. Cabinet, Electrical Equipment 1A16 (Sheet 2 of 3).

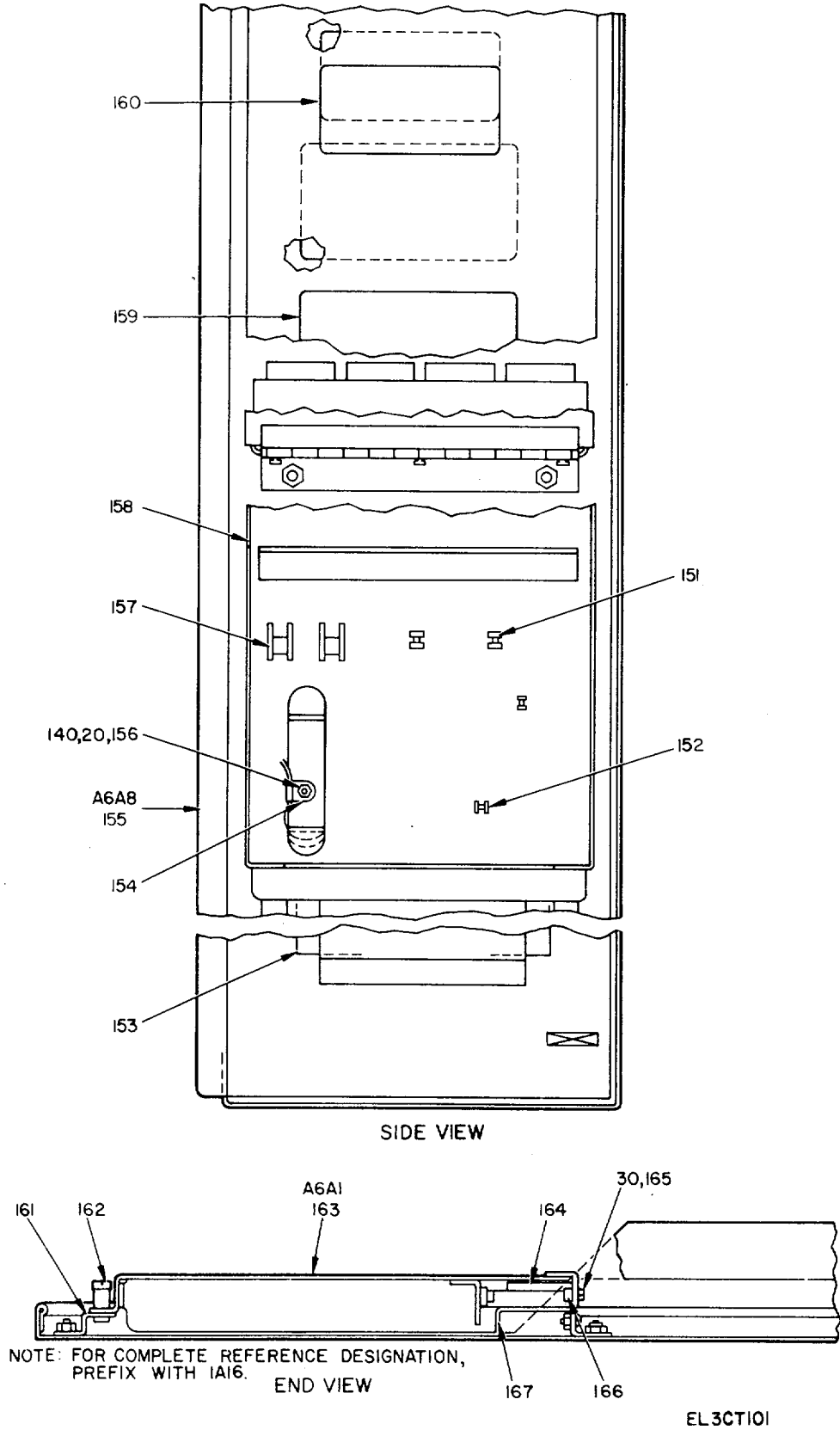
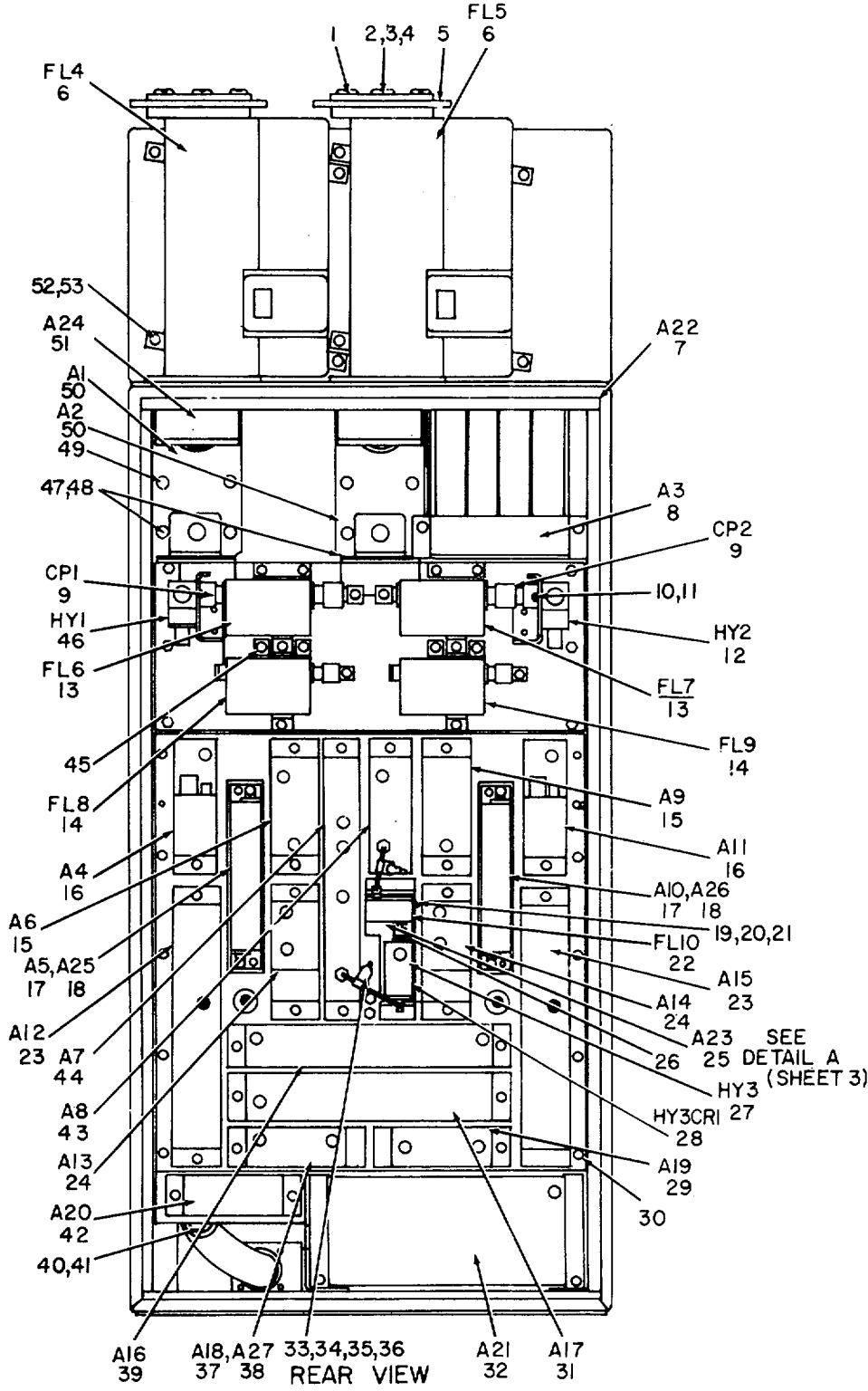


Figure 29. Cabinet, Electrical Equipment 1A16 (Sheet 3 of 3).

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
						<i>USABLE ON CODE</i>		
29	2	PAOZZ	5355-00-850-9799	MS91528-0N1B	96906	GROUP 0116 CABINET, ELECTRICAL EQUIPMENT 1A16	EA	1
29	3	PAOZZ	6240-00-763-7744	MS18209-387	96906	KNOB	EA	21
29	4	PAOZZ	5355-00-579-6390	MS91528-2F2B	96906	LAMP, INCANDESCENT	EA	1
29	6	PAOZZ	5920-00-775-2273	F02B32V5AS	81349	KNOB	EA	1
29	118	PAOZZ	4130-00-140-7315	SMC651158	80063	FUSE, CARTRIDGE	EA	1
29	153	PAOZZ	4130-00-739-8218	SMD651356	80063	FILTER, AIR	EA	1
						FILTER, AIR	EA	1

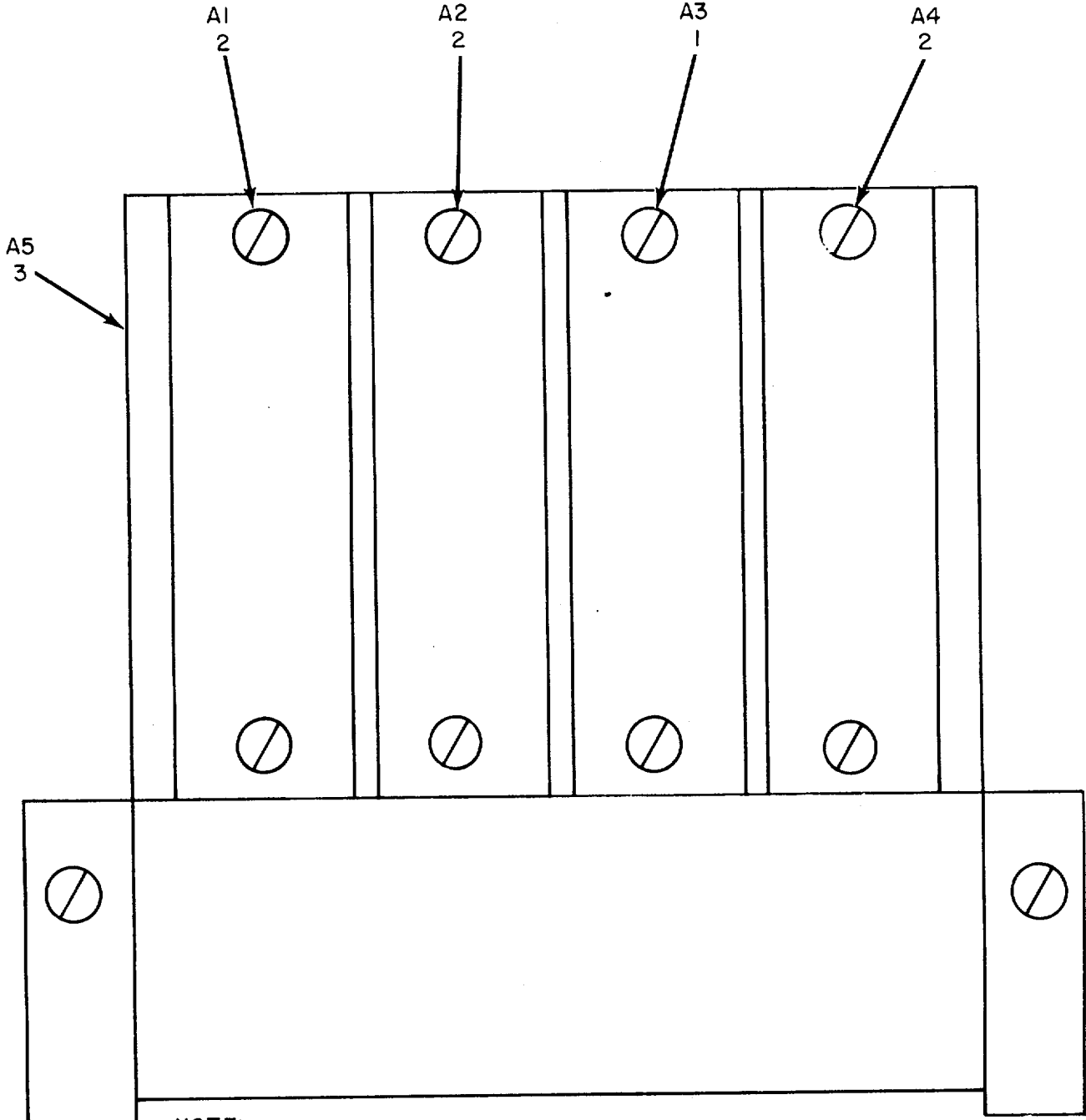


NOTE: FOR COMPLETE REFERENCE DESIGNATION, PREFIX WITH 2.

EL3CT105

Figure 30. Radio Receiver, R-1287/GRC-143.

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
						<i>USABLE ON CODE</i>		
						GROUP 02 RADIO RECEIVER, R-1287/GRC-143		
30	8	XDODD		SMC650523	80063	POWER SUPPLY	EA	1
30	15	XDODD	5820-00-180-5830	SMD650522	80063	MIXER STAGE, FREQUENCY, RECEIVER	EA	2
30	16	PAODL	5820-00-136-1259	SMD650520	80063	AMPLIFIER-MIXER	EA	2
30	17	PAODL	5915-00-165-2891	SMD650525	80063	FILTER, BAND PASS	EA	2
30	18	PAODL	5915-00-134-0740	SMD650538	80063	FILTER, BAND PASS	EA	2
30	23	XDODD	5820-00-136-1244	SMF652590	80063	AMPLIFIER, INTERMEDIATE FREQUENCY	EA	2
30	24	PAODL	5820-00-229-6614	SMF650524	80063	FREQUENCY MULTIPLIER OSCILLATOR	EA	2
30	28	PAOZZ	5961-00-557-5273	1N76	93332	SEMICONDUCTOR DEVICE, DIODE	EA	1
30	29	PAODL	5820-00-136-1241	SMD650500	80063	AMPLIFIER AUDIO FREQUENCY-RADIO FREQUENCY	EA	1
30	31	PAODL	5820-00-136-4960	SMF650518	80063	DEMODULATOR	EA	1
30	37	PAODL	5915-00-224-3588	SMC650519	80063	FILTER, LOW PASS	EA	1
30	38	PAODL	5915-00-134-0739	SMC650537	80063	FILTER, LOW PASS	EA	1
30	39	PAODL	5820-00-136-1249	SMD652676	80063	UNIT CONTROL, AMPLIFIER COMB	EA	1
30	42	PAODL	5820-00-136-1246	SMF650504	80063	ALARM MONITOR	EA	1
30	43	PAODL	5820-00-136-1261	SMD650515	80063	AMPLIFIER-FREQUENCY, MULTIPLIER	EA	1
30	50	PAODL	5820-00-136-1240	SMB651379	80063	AMPLIFIER, TUNNEL DIODE	EA	2

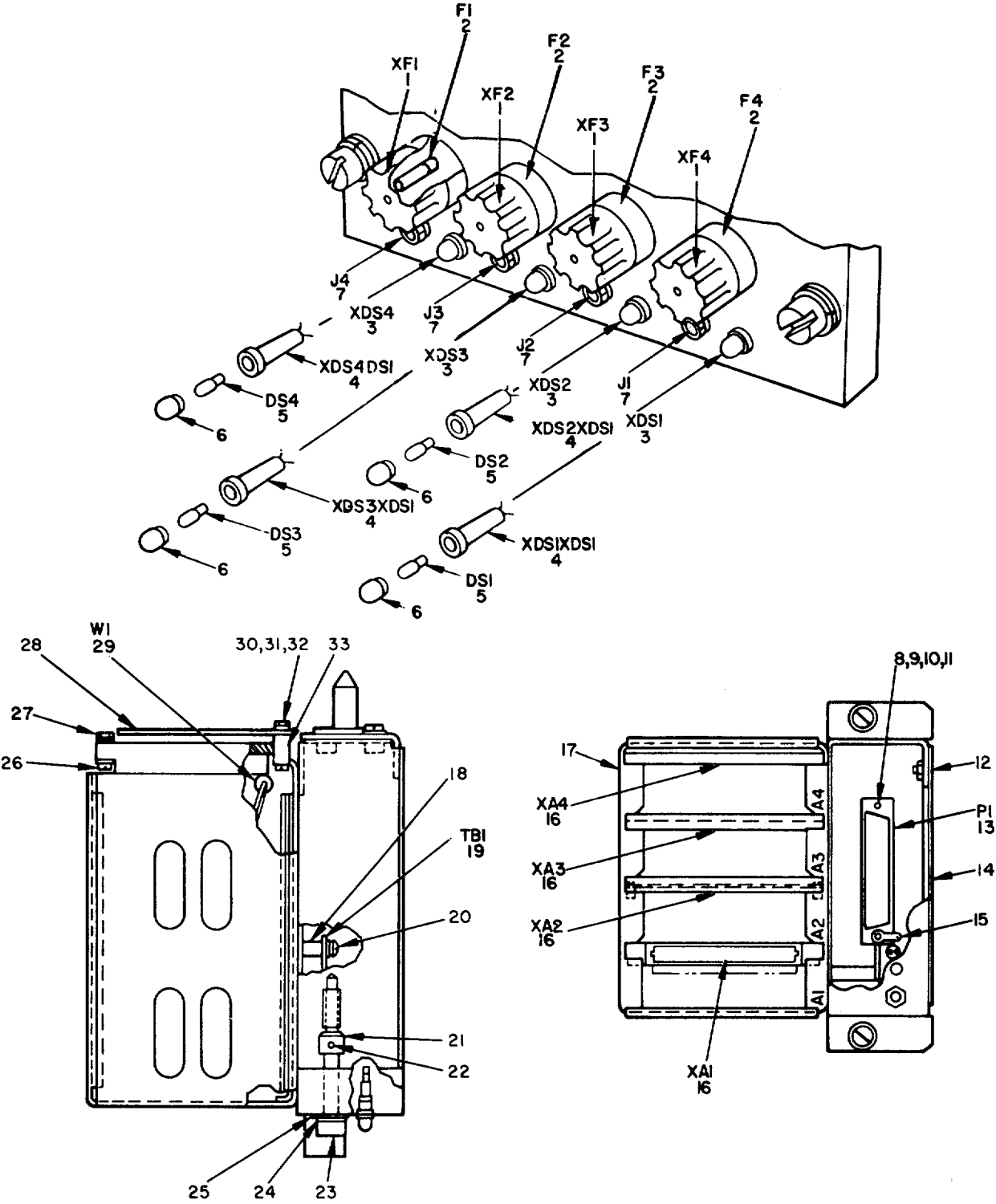


NOTE:
FOR COMPLETE REFERENCE DESIGNATION,
PREFIX WITH 2A3.

EL3CT110

Figure 31. Power Supply 2A3.

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
						<i>USABLE ON CODE</i>		
31	1	PAODL	6110-00-191-9224	SMD650531	80063	GROUP 0201 POWER SUPPLY 2A3	EA	1
31	2	PAODL	6110-00-191-9225	SMD650530	80063	REGULATOR, VOLTAGE REGULATOR, VOLTAGE	EA	3

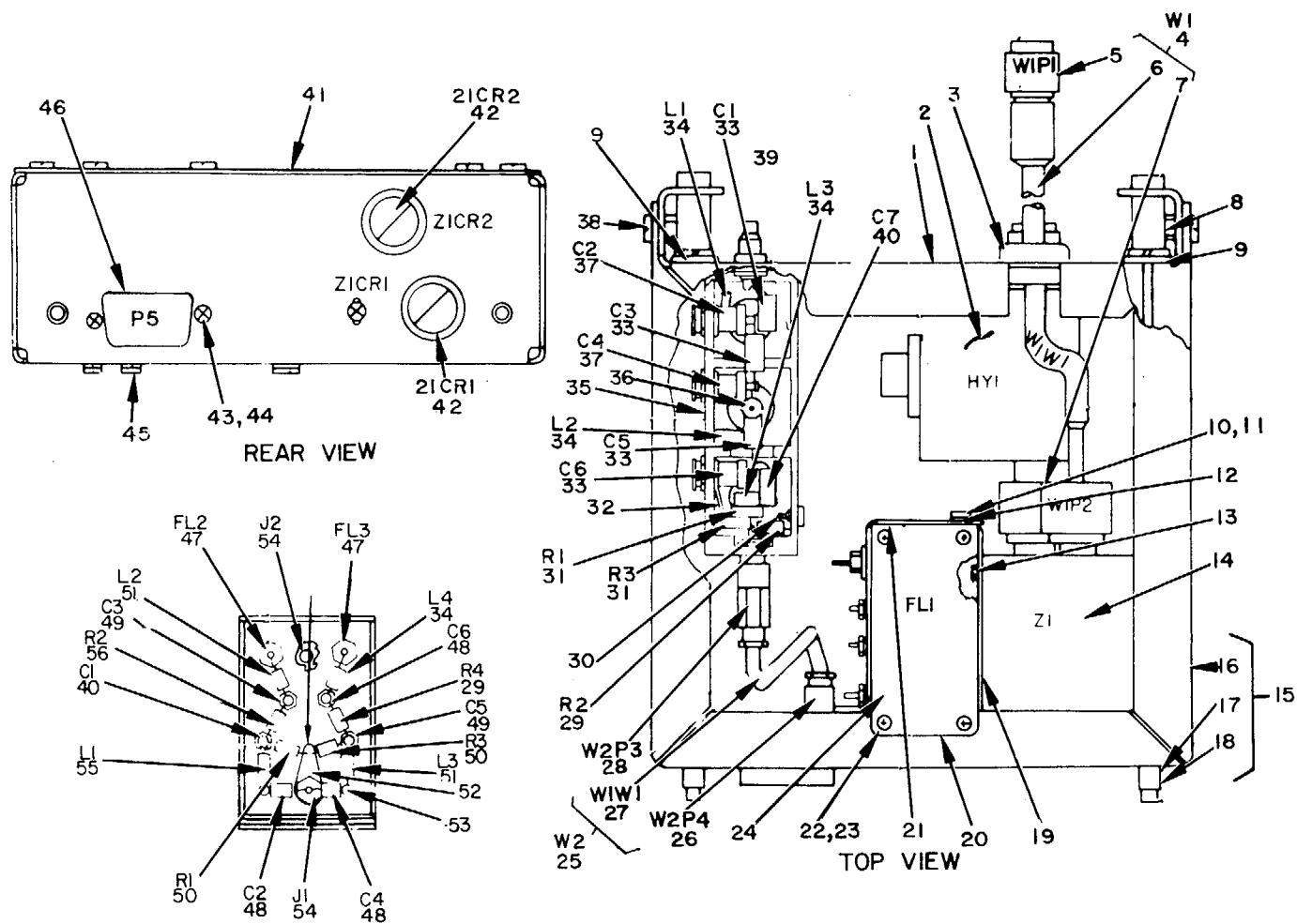


NOTE: FOR COMPLETE REFERENCE DESIGNATION, PREFIX WITH 2A3A5.

EL3CTIII

Figure 32. Power Supply Chassis 2A3A5.

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
						<i>USABLE ON CODE</i>		
						GROUP 020105 POWER SUPPLY CHASSIS 2A3A5		
32	2	PAOZZ	5920-00-877-9934	F02A250V3AS	81349	FUSE, CARTRIDGE	EA	4
32	5	PAOZZ	6240-00-060-2941	683	92966	LAMP, INCANDESCENT	EA	4
32	6	XDOZZ		GBL	00303	LENS, INDICATOR LIGHT	EA	4



NOTE: FOR COMPLETE REFERENCE DESIGNATION, PREFIX WITH 2A6

EL3CT118

Figure 33. Mixer Stage, Frequency Receiver 2A6.

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
33	42	PAOZZ	5961-00-985-9091	1N23WG	81349	GROUP 0204 MIXER STAGE, FREQUENCY RECEIVER 2A6 SEMICONDUCTOR DEVICE, DIODE <i>USABLE ON CODE</i>	EA	2

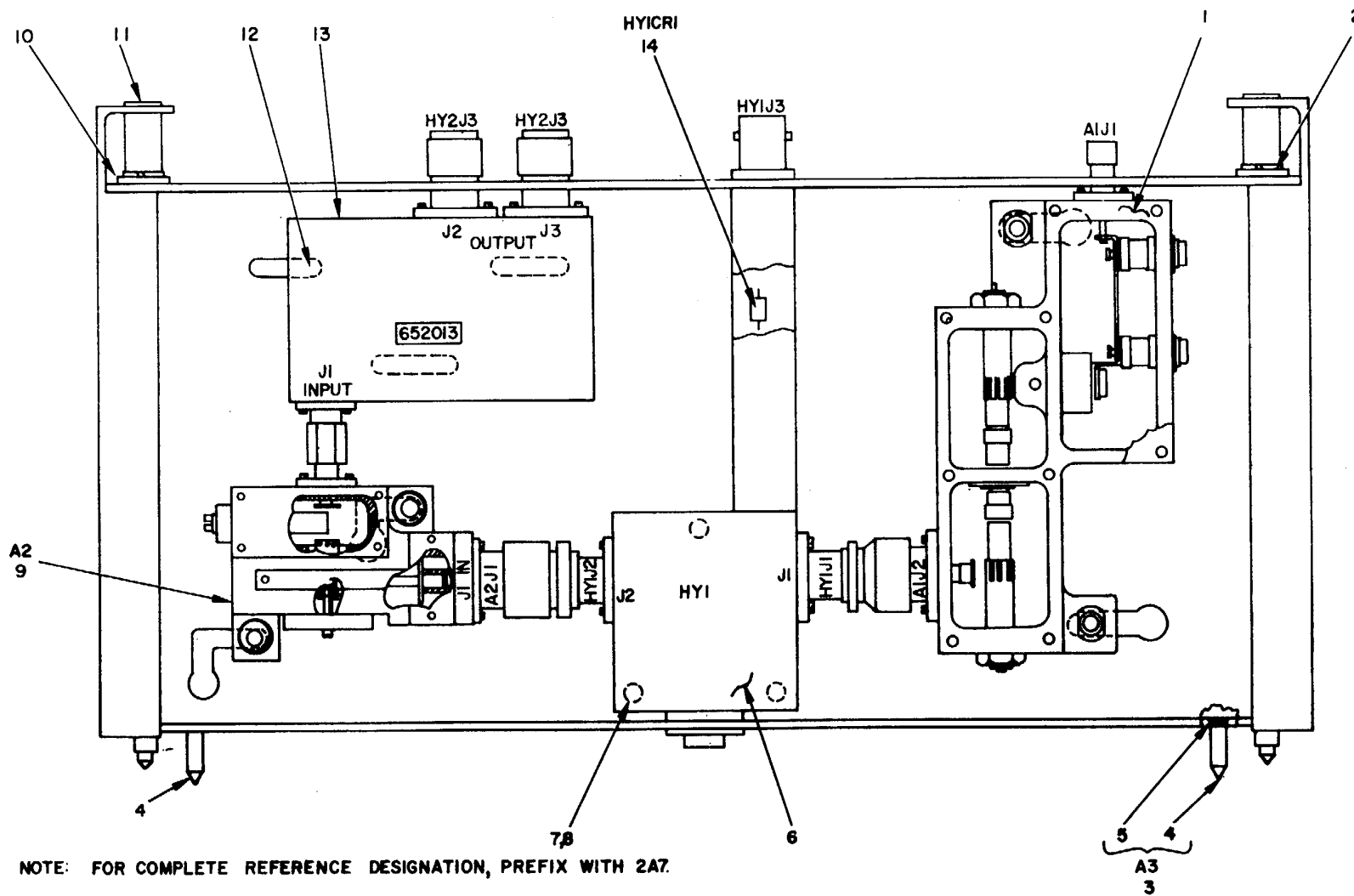
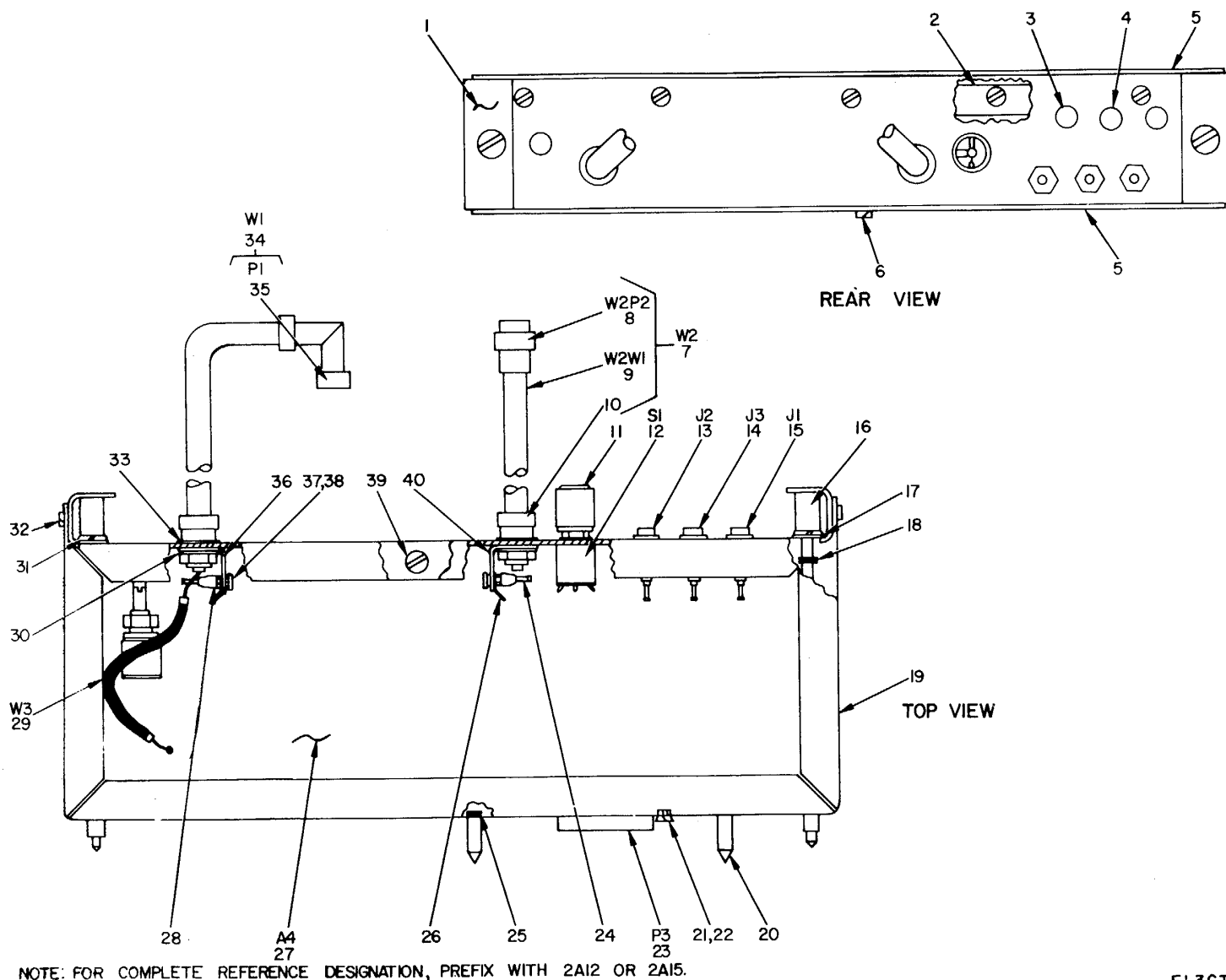


Figure 34. Frequency Multiplier Group, Receiver 2A7.

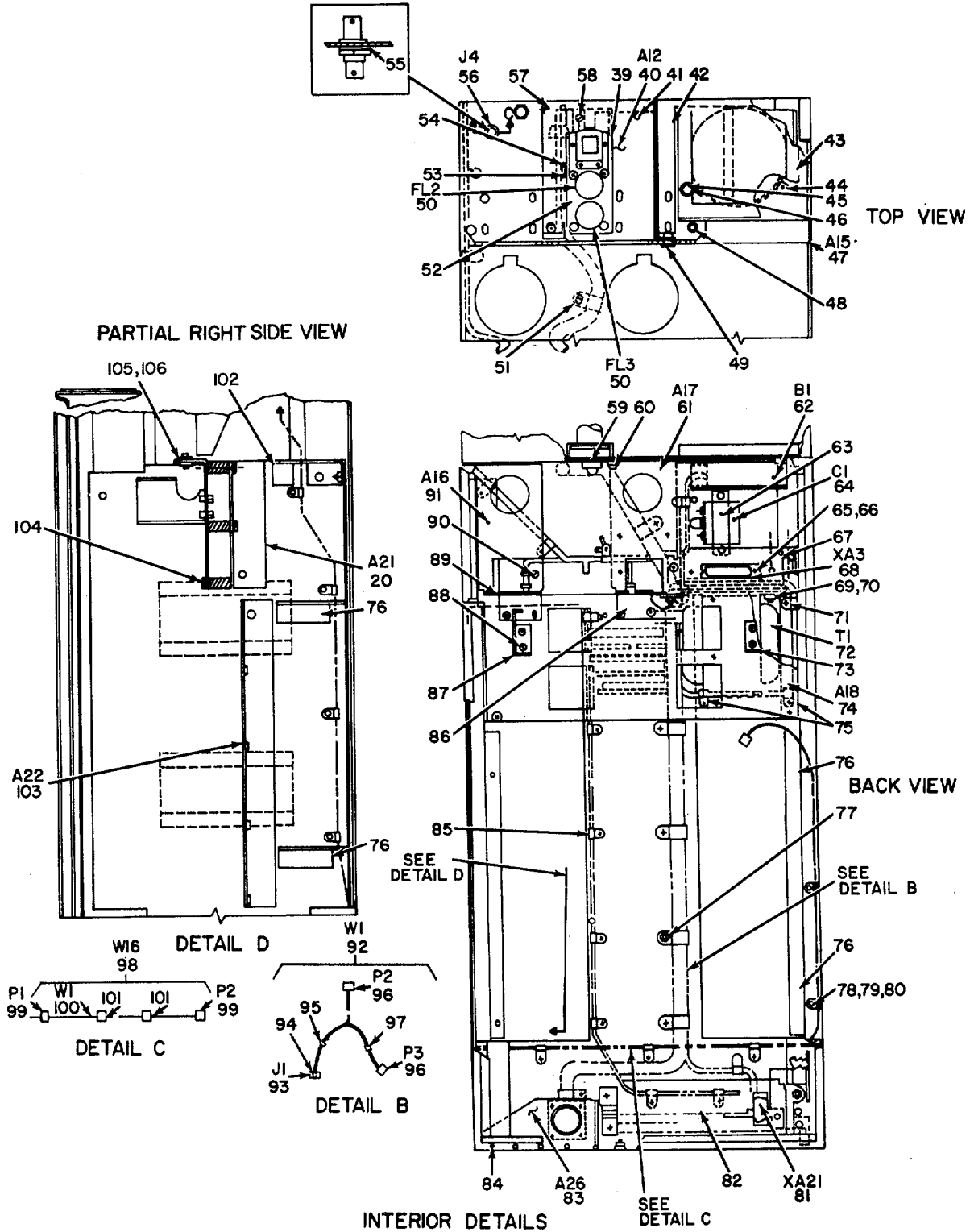
(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
						<i>USABLE ON CODE</i>		
						GROUP 0205 FREQUENCY MULTIPLIER GROUP RECEIVER 2A7		
34	1	PAODL	5820-00-136-1238	SMD650534	80063	FREQUENCY MULTIPLIER, RECEIVER	EA	1
34	9	PAODL	5820-00-136-1239	SMD650535	80063	FREQUENCY MULTIPLIER, RECEIVER	EA	1
34	14	PAOZZ	5961-00-557-5273	1N76	93332	SEMICONDUCTOR DEVICE, DIODE	EA	1



EL3CT125

Figure 35. Amplifier, Intermediate Frequency (70 MHz) 2A12, 2A15.

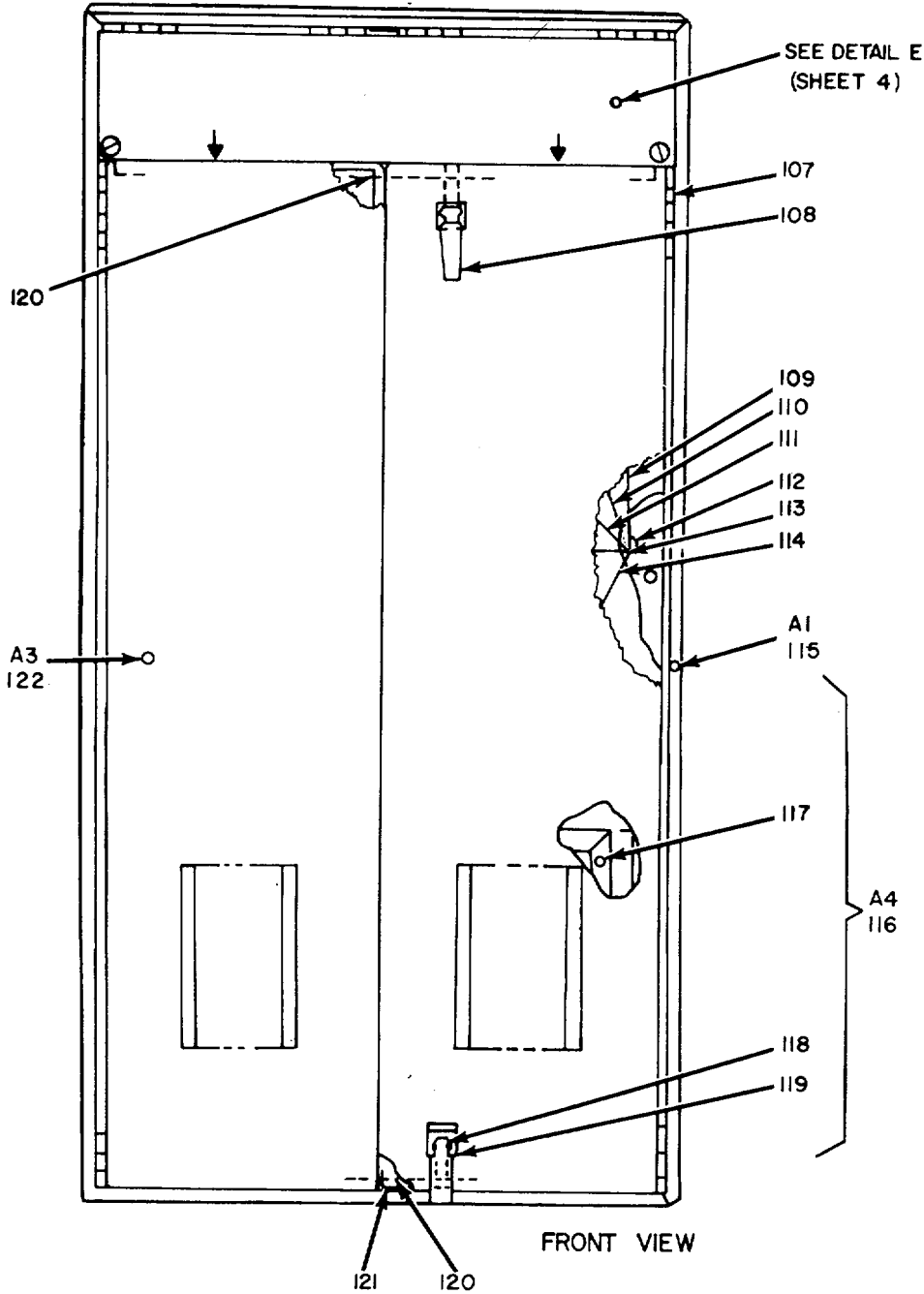
(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
35	11	PAOZZ	5355-00-762-1489	MS91528-0E18	96906	GROUP 0210 AMPLIFIER, INTERMEDIATE FREQUENCY (170 MHZ) 2A12, 2A15 <i>USABLE ON CODE</i> KNOB	EA	1



NOTE: FOR COMPLETE REFERENCE DESIGNATION, PREFIX WITH 2A22.

EL3CT141

Figure 36. Cabinet, Electrical Equipment 2A22 (1 of 4).



NOTE: FOR COMPLETE REFERENCE DESIGNATION, PREFIX WITH 2A22.

EL3CT142

Figure 36. Cabinet, Electrical Equipment 2A22 (2 of 4).

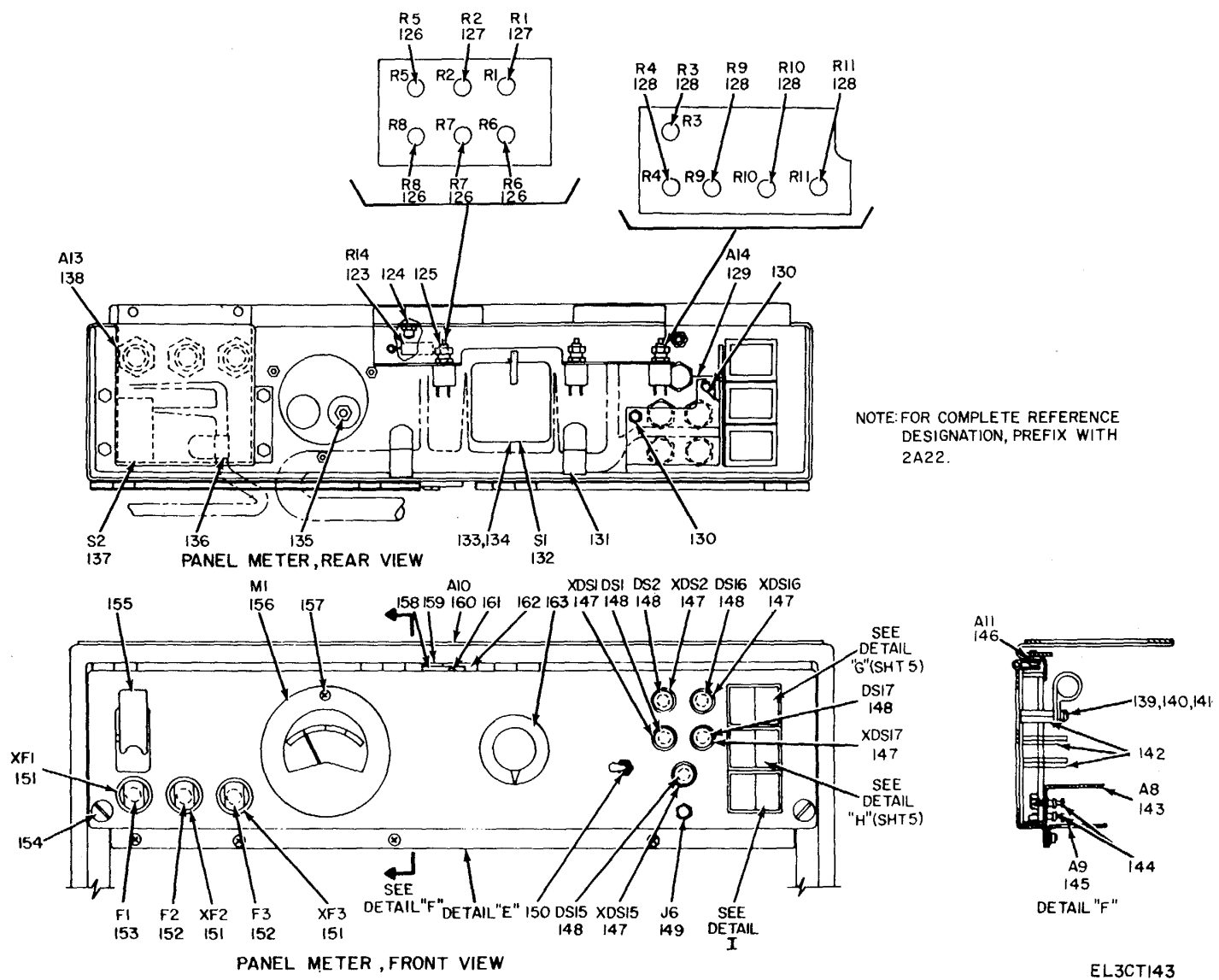
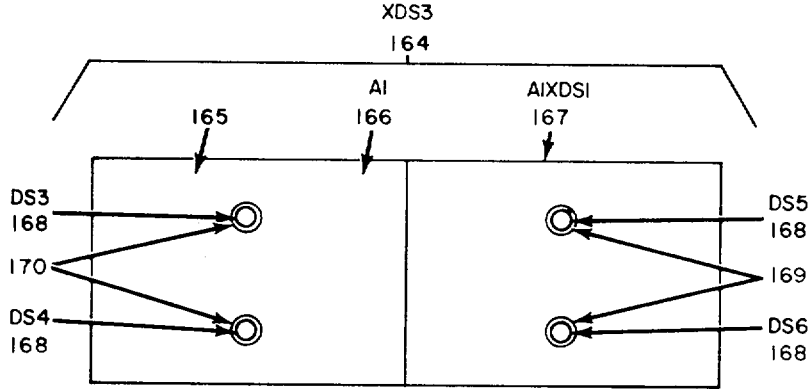
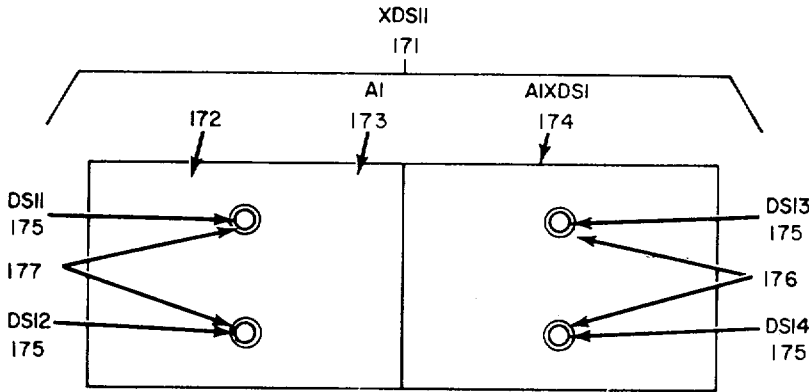


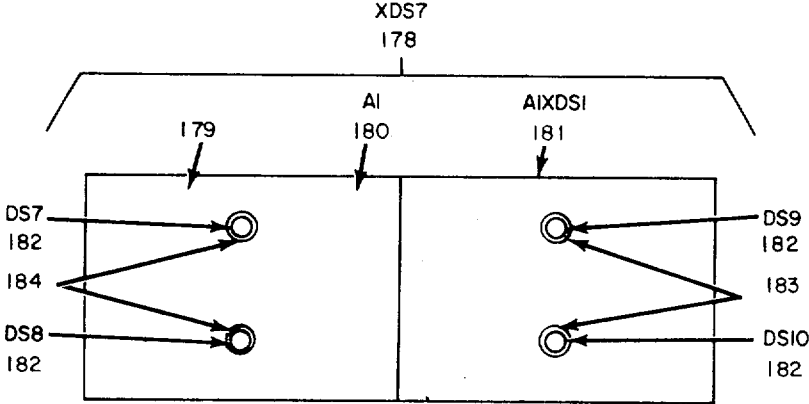
Figure 36. Cabinet, Electrical Equipment 2A22 (3 of 4).



DETAIL



DETAIL



DETAIL

LIGHT INDICATOR ASSEMBLIES

NOTE:
FOR COMPLETE REFERENCE
DESIGNATION, PREFIX WITH 2A22.

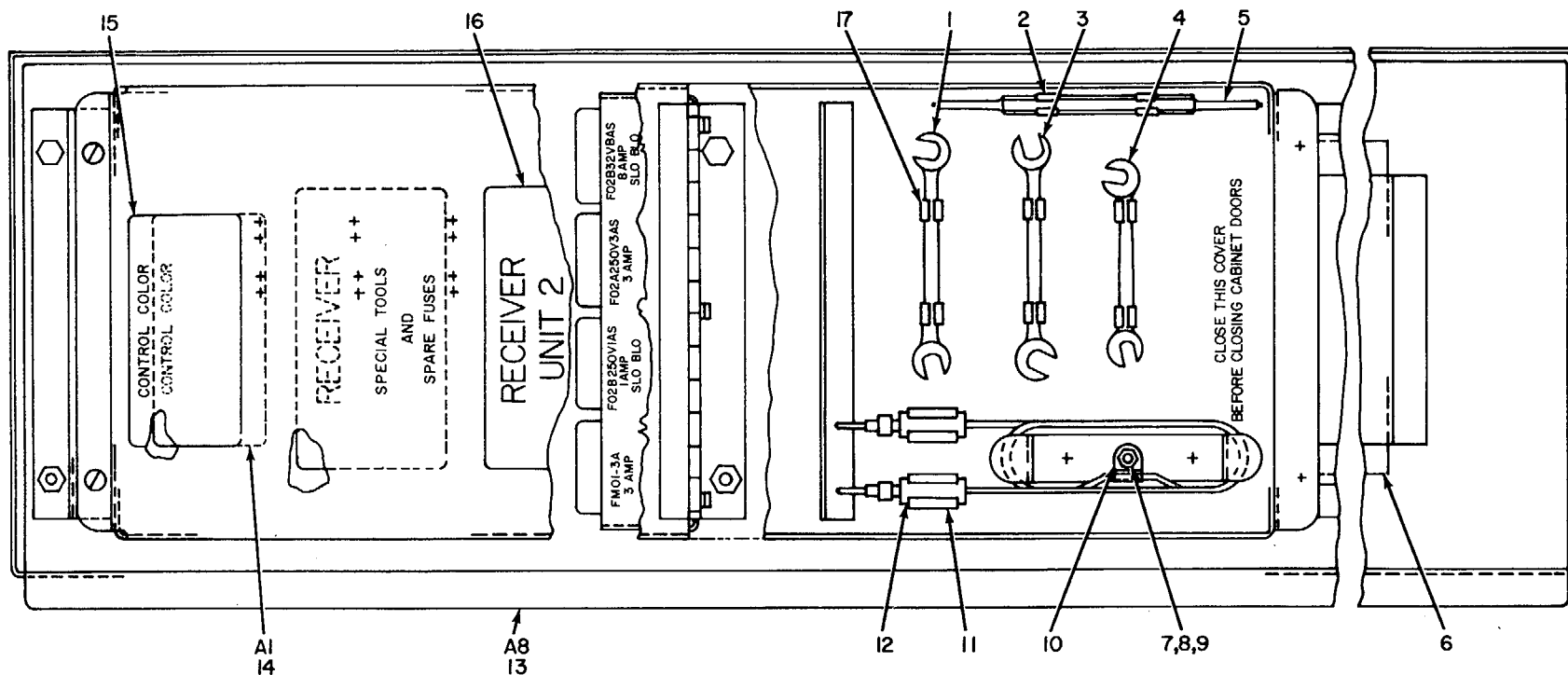
EL3CT144

Figure 36. Cabinet, Electrical Equipment 2A22 (4 of 4).

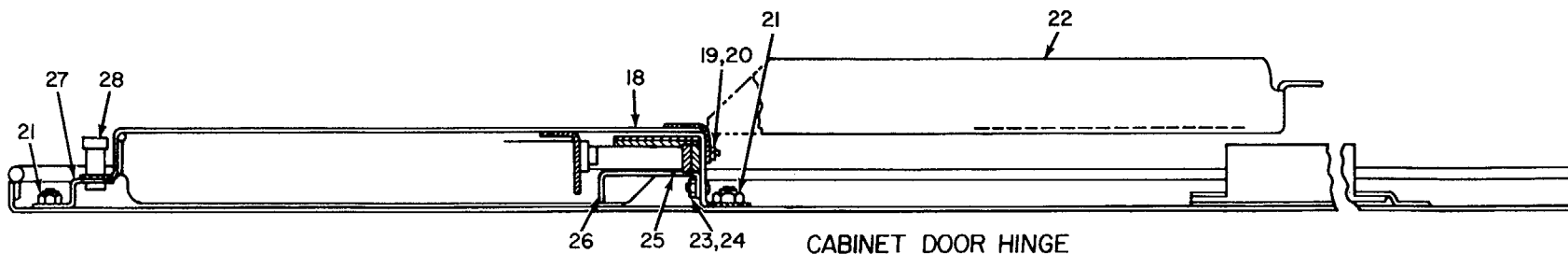
SECTION II

TM 11-5820-595-20P

(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/M	QTY INC IN UNIT
						<i>USABLE ON CODE</i>		
						GROUP 0220 CABINET, ELECTRICAL EQUIPMENT 2A22		
36	43	PAOZZ	4130-00-140-7315	SMC651158	80063	FILTER, AIR	EA	1
36	117	PAOZZ	4130-00-739-8218	SMD651356	80063	FILTER, AIR	EA	2
36	148	PAOZZ	6240-00-763-7744	MS18209-387	96906	LAMP, INCANDESCENT	EA	5
36	152	PAOZZ	5920-00-850-6091	F02B250V1AS	81349	FUSE, CARTRIDGE	EA	2
36	153	PAOZZ	5920-00-834-0138	F02B32V8AS	81349	FUSE, CARTRIDGE	EA	1
36	163	PAOZZ	5355-00-579-6390	MS91528-2F2B	96906	KNOB	EA	1
36	165	XDOZZ		SMD652070-6F1G9	80063	LENS, INDICATOR, MARKED	EA	1
36	168	PAOZZ	6240-00-763-7744	MS18209-387	96906	LAMP, INCANDESCENT	EA	4
36	172	XDOZZ		SMD652070-7FIG5	80063	LENS, INDICATOR, MARKED	EA	1
36	175	PAOZZ	6240-00-763-7744	MS18209-387	96906	LAMP, INCANDESCENT	EA	4
36	176	XDOZZ		SMD652070-8FIG5	80063	LENS, INDICATOR, MARKED	EA	1
36	182	PAOZZ	6240-00-763-7744	MS18209-387	96906	LAMP, INCANDESCENT	EA	4



INSIDE VIEW CABINET DOOR



CABINET DOOR HINGE

NOTE: FOR COMPLETE REFERENCE DESIGNATION, PREFIX WITH 2A22A3.

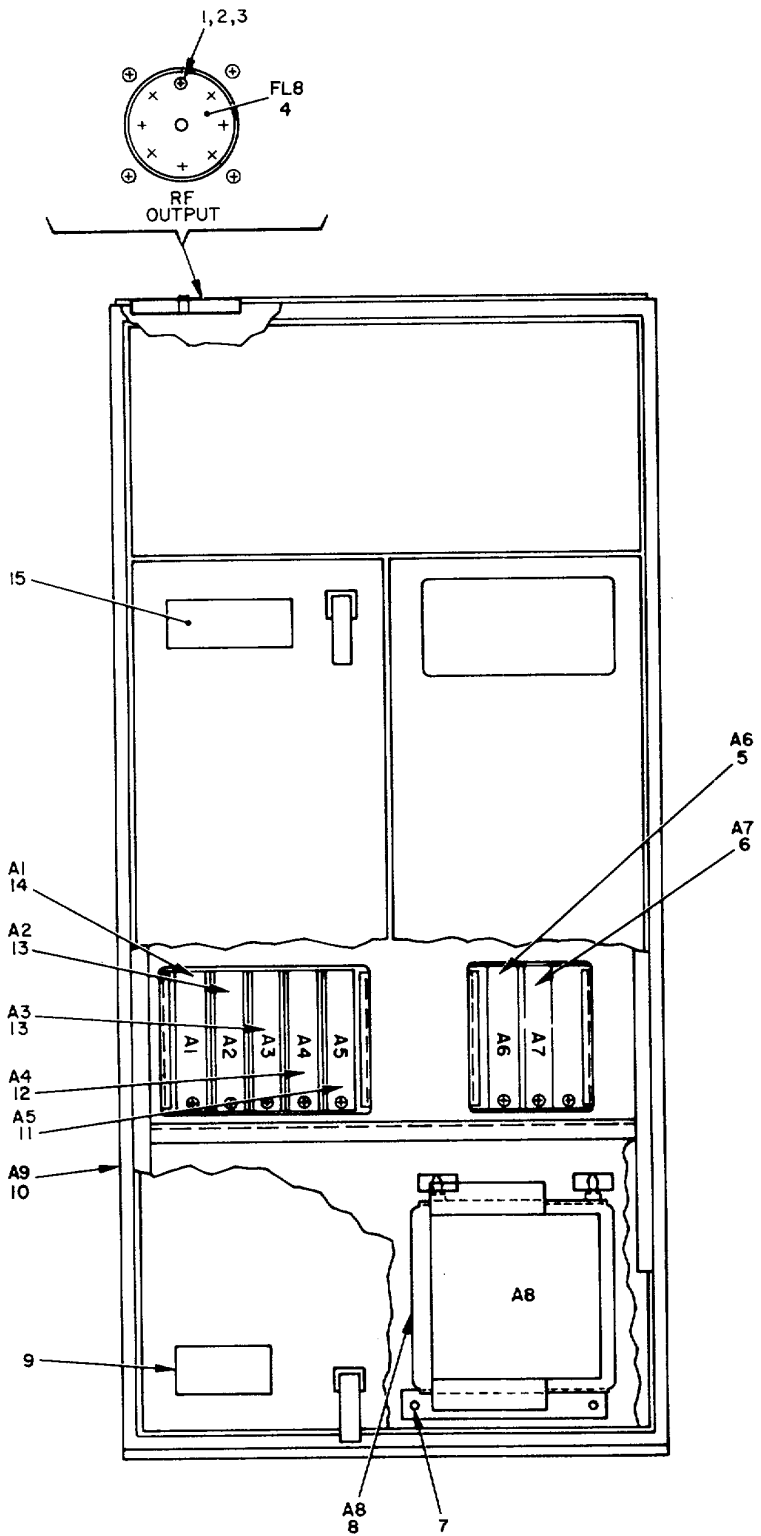
EL3CT145

Figure 37. Cabinet, Electrical Equipment 2A22A3.

SECTION II

TM 11-5820-595-20P

(1) ILLUSTRATION		(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION	(7) U/M	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.							
						<i>USABLE ON CODE</i>		
37	1	PAOZZ	5120-00-184-8443	1114	65814	WRENCH, OPEN END	EA	1
37	3	PAOZZ	5120-00-184-8448	1122	65814	WRENCH, OPEN END	EA	1
37	4	PAOZZ	5120-00-184-8447	1120	65814	WRENCH, OPEN END	EA	1
37	5	PAOZZ	5120-00-724-3767	5284	73899	ALIGNMENT TOOL, ELECTRONIC EQUIPMENT	EA	1
37	6	XDOZZ	4130-00-739-8218	SMD651356	80063	FILTER, AIR	EA	1



NOTE: FOR COMPLETE REFERENCE DESIGNATION, PREFIX WITH 3.
EL3CT148

Figure 38. Amplifier, Radio Frequency AM-6090/GRC-143.

SECTION II

TM 11-5820-595-20P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
						<i>USABLE ON CODE</i>		
38	5	PAODL	5820-00-136-1247	SMD650565	80063	GROUP 03 AMPLIFIER, RADIO FREQUENCY AM-6090/GRC-143		
38	6	PAODL	6130-00-135-4570	SMD650569	80063	CONTROL, BEAM GATE-DIRECT CURRENT OVERLOAD	EA	1
38	8	PAODL	5820-00-136-4965	SMD650574	80063	POWER SUPPLY, CONTROL	EA	1
38	11	PAODL	5820-00-136-4963	SMD650566	80063	INVERTER	EA	1
38	12	PAODL	5820-00-136-4962	SMD650564	80063	CONTROL, TIME DELAY	EA	1
38	13	PAODL	5820-00-136-1245	SMD650573	80063	CONTROL, ALARM, LOW RADIO FREQUENCY	EA	1
38	14	PAODL	5820-00-136-4964	SMD650572	80063	CONTROL, INDICATOR ASSEMBLY	EA	2
						CONTROL-REGULATOR-INVERTER	EA	1

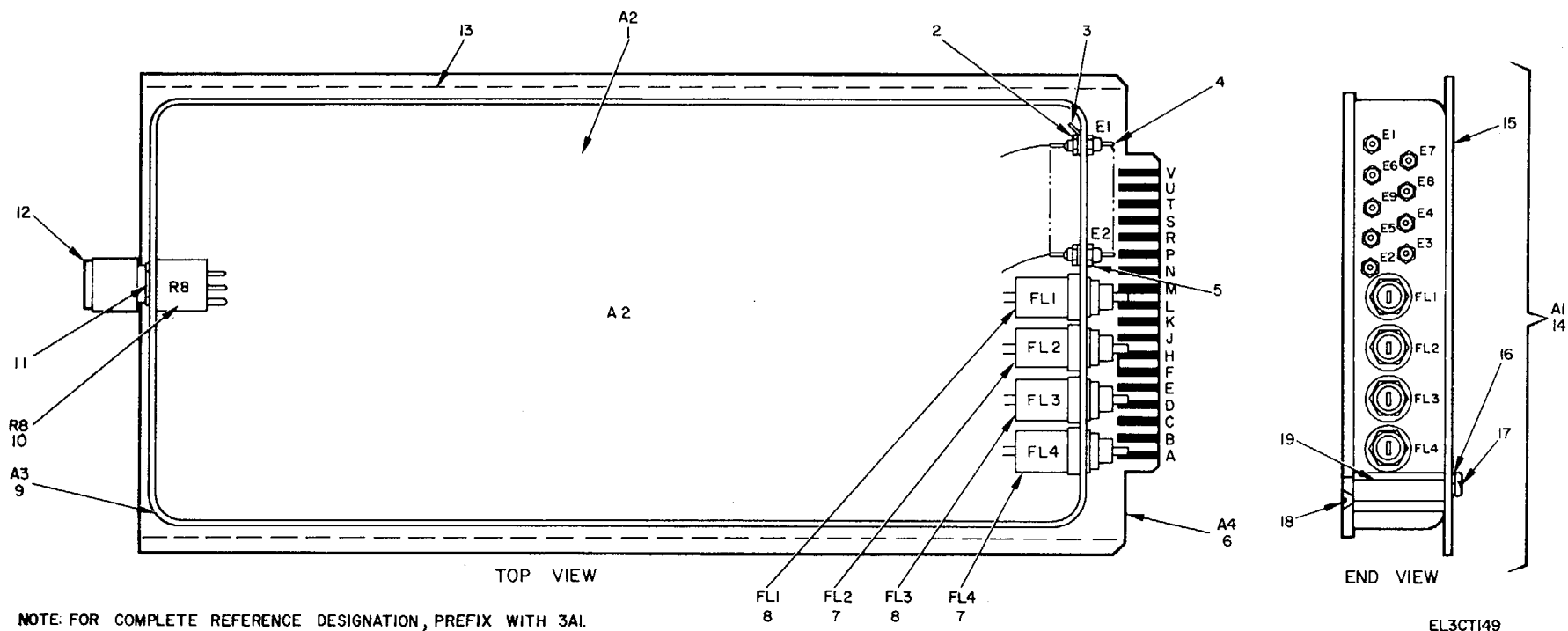
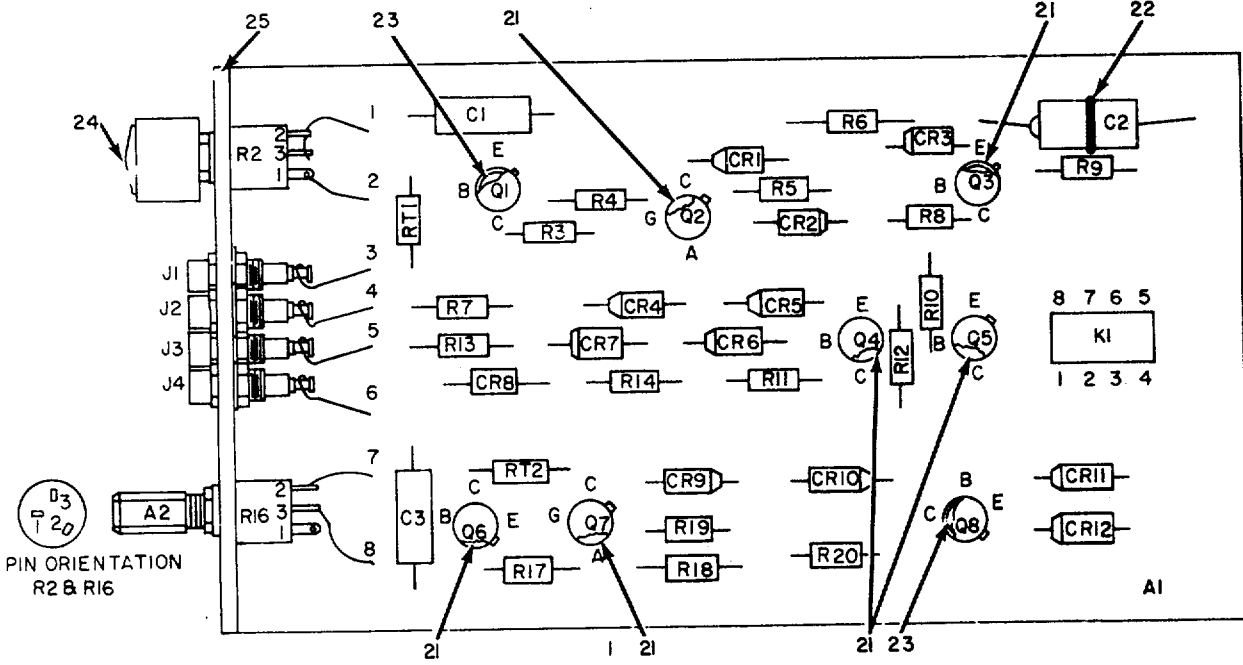


Figure 39. Control Regulator-Inverter 3A1.

(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
39	12	PAOZZ	5355-00-559-8942	MS91528-1N1B	96906	GROUP 0301 CONTROL REGULATOR-INVERTER 3A1 KNOB	EA	1



NOTE: FOR COMPLETE REFERENCE DESIGNATION, PREFIX WITH 3A4.

EL3CT152

Figure 40. Control, Alarm, Low Radio Frequency-Mismatch 3A4.

SECTION II

TM 11-5820-595-20P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
40	24	PAOZZ	5355-00-559-8942	MS91528-1N1B	96906	GROUP 0304 CONTROL, ALARM, LOW RADIO FREQUENCY-MISMATCH A34 <i>USABLE ON CODE</i> KNOB	EA	1

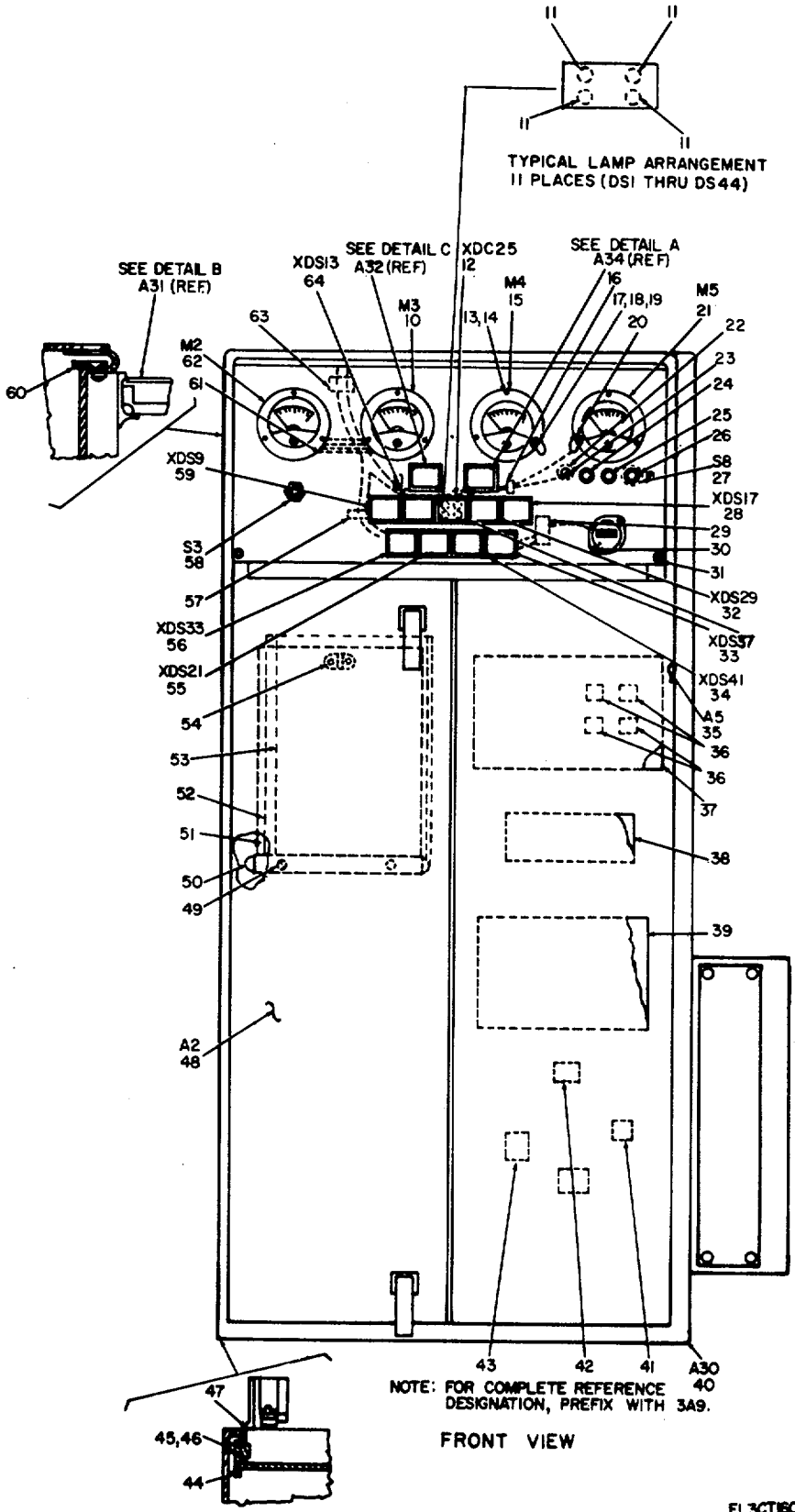
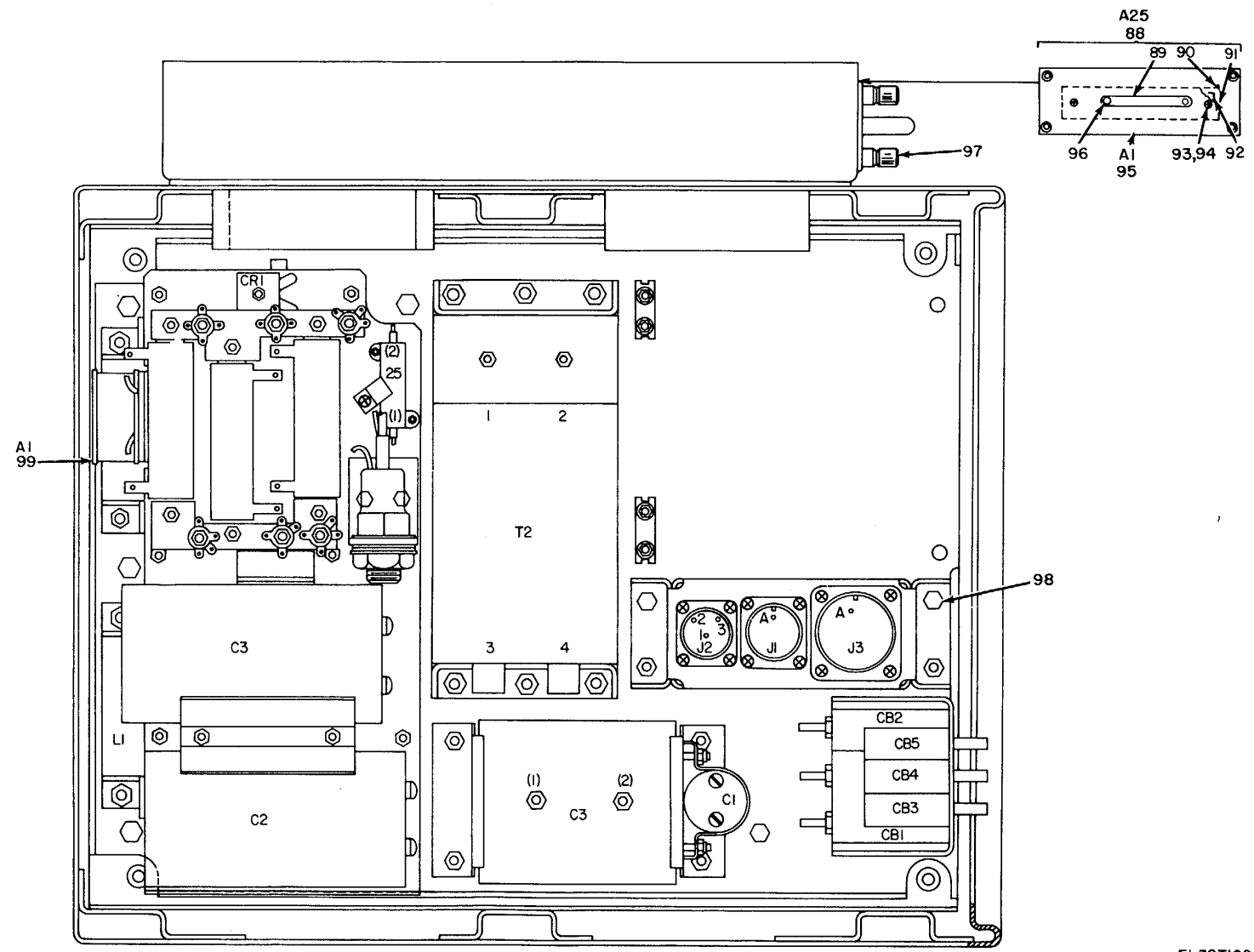


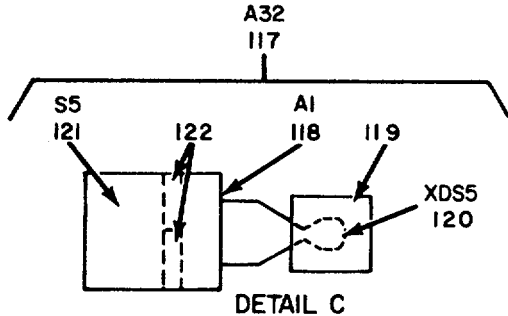
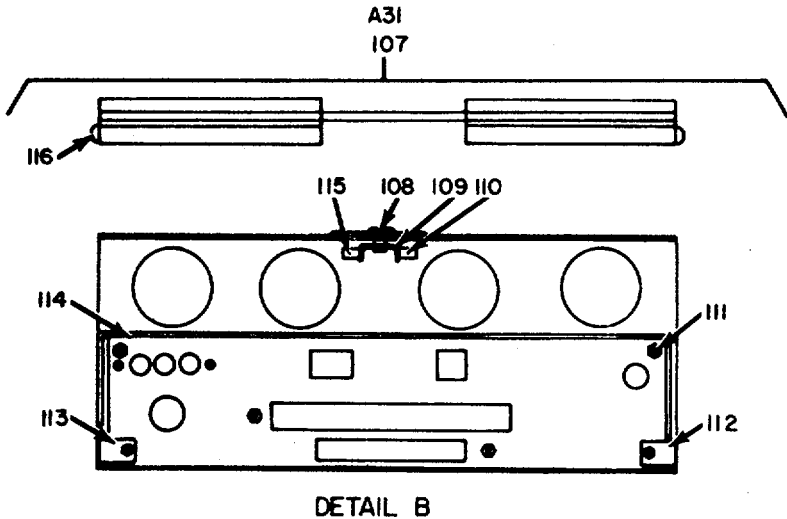
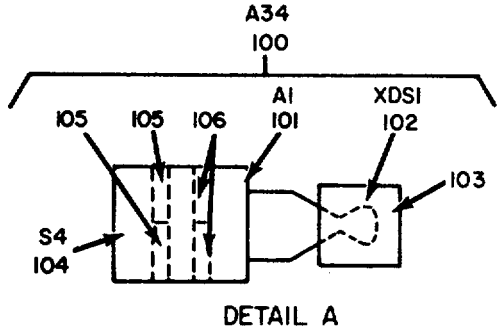
Figure 41. Cabinet, Electrical Equipment 3A9 (Sheet 1 of 4).



NOTE: FOR COMPLETE REFERENCE DESIGNATION, PREFIX WITH 3A9. SIDE VIEW

EL3CT162

Figure 41. Cabinet, Electrical Equipment 3A9 (Sheet 2 of 4).

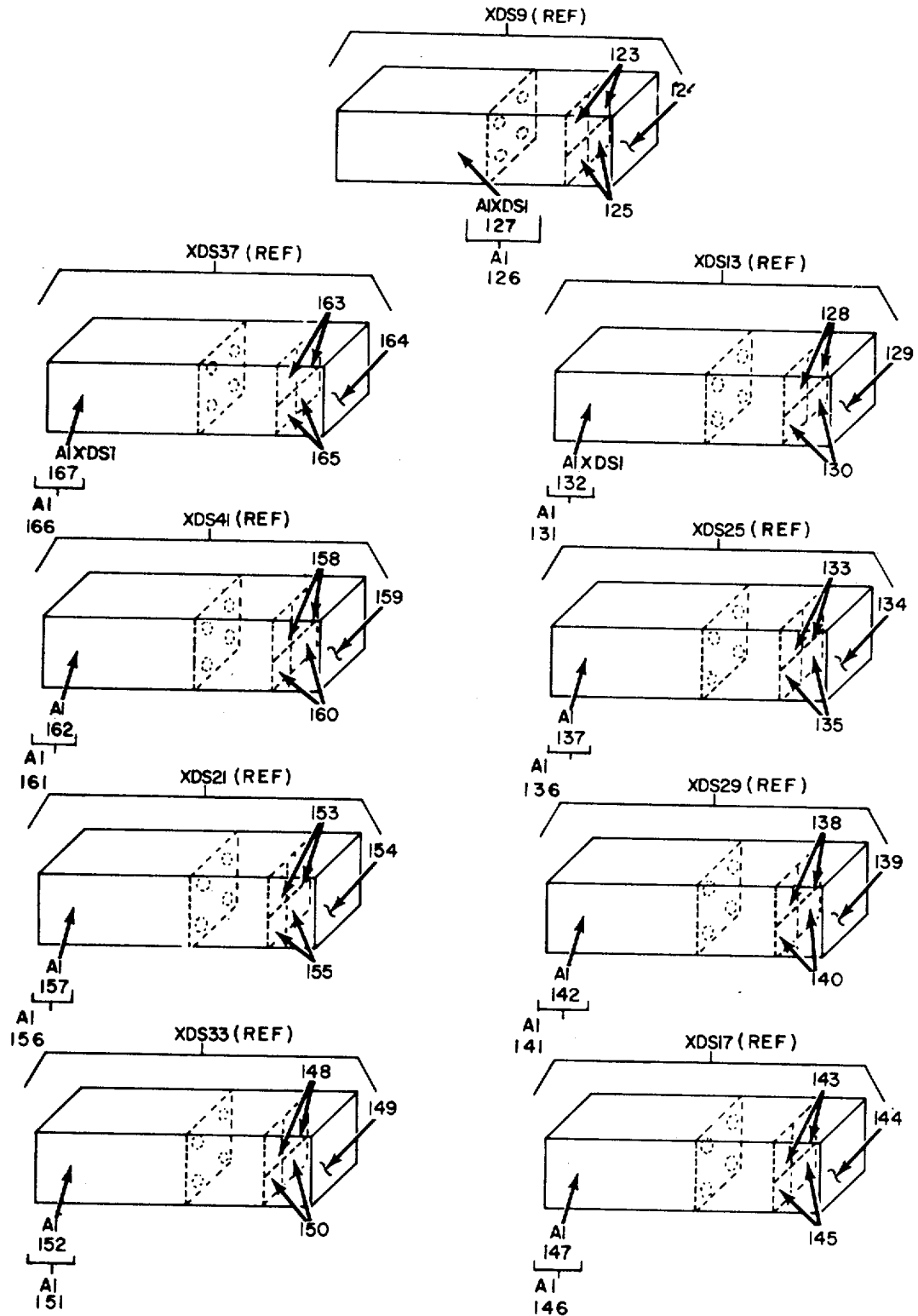


LIGHT SWITCH AND PANEL METER DETAILS.

NOTE: FOR COMPLETE REFERENCE DESIGNATION, PREFIX WITH 3A9.

EL3CT163

Figure 41. Cabinet, Electrical Equipment 3A9 (Sheet 3 of 4).



LIGHT-INDICATOR ASSEMBLYS

NOTE: FOR COMPLETE REFERENCE DESIGNATION, PREFIX WITH 3A9

EL 3CT 184

Figure 41. Cabinet, Electrical Equipment 3A9 (Sheet 4 of 4).

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
						<i>USABLE ON CODE</i>		
						GROUP 0309 CABINET, ELECTRICAL EQUIPMENT 3A9		
41	11	PAOZZ	6240-00-965-1381	382	08806	LAMP, INCANDESCENT	EA	44
41	24	PAOZZ	5355-00-182-5088	1750AGREEN	72512	KNOB, CONTROL	EA	1
41	25	PAOZZ	5355-00-182-5087	1750ABLUE	72512	KNOB, CONTROL	EA	1
41	26	PAOZZ	5355-00-182-5074	1750AYELLOW	72512	KNOB, CONTROL	EA	1
41	91	PAOZZ	4130-00-087-5125	SMB652543	80063	FILTER, AIR	EA	1
41	92	XDOZZ		P1A121262-22	00736	FILTER, AIR CONDITIONING	EA	1
41	103	XDOZZ		SMC652196-1FIG1	80063	LENS, SWITCH, MARKED	EA	1
41	119	XDOZZ		SMC652196-2FIG2	80063	LENS, SWITCH, MARKED	EA	1
41	124	XDOZZ		SMD652070-9FIG1	80063	LENS, INDICATOR, MARKED	EA	1
41	129	XDOZZ		SMD652070-10FIG1	80063	LENS, INDICATOR, MARKED	EA	1
41	134	XDOZZ		SMD652070-17FIG2	80063	LENS, INDICATOR, MARKED	EA	1
41	139	XDOZZ		SMD652070-12FIG2	80063	LENS, INDICATOR, MARKED	EA	1
41	144	XDOZZ		SMD652070-11FIG1	80063	LENS, INDICATOR, MARKED	EA	1
41	149	XDOZZ		SMD652070-13FIG2	80063	LENS, INDICATOR, MARKED	EA	1
41	154	XDOZZ		SMD652070-16FIG2	80063	LENS, INDICATOR, MARKED	EA	1
41	159	XDOZZ		SMD652070-15FIG2	80063	LENS, INDICATOR, MARKED	EA	1
41	164	XDOZZ		SMD652070-14FIG2	80063	LENS, INDICATOR, MARKED	EA	1

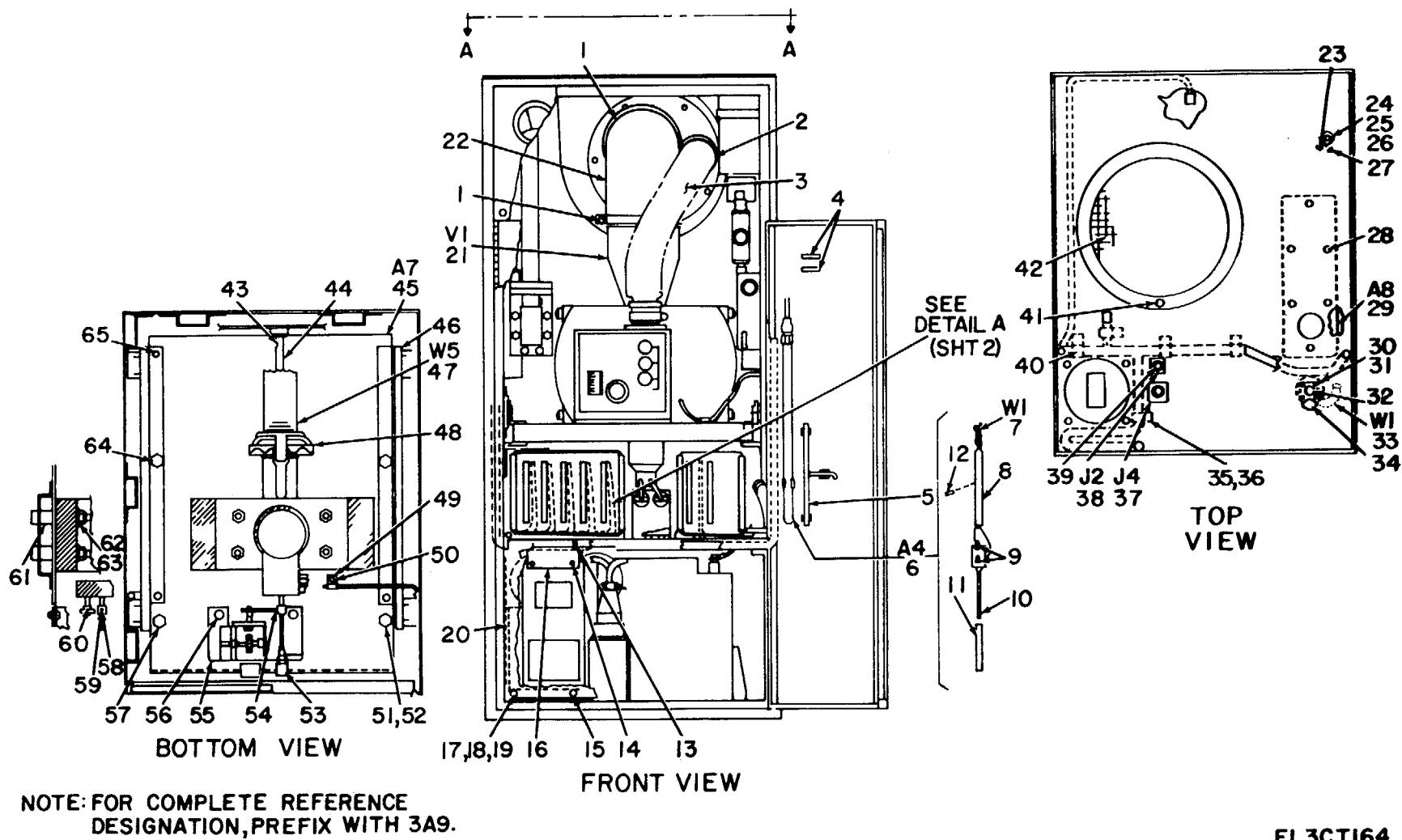
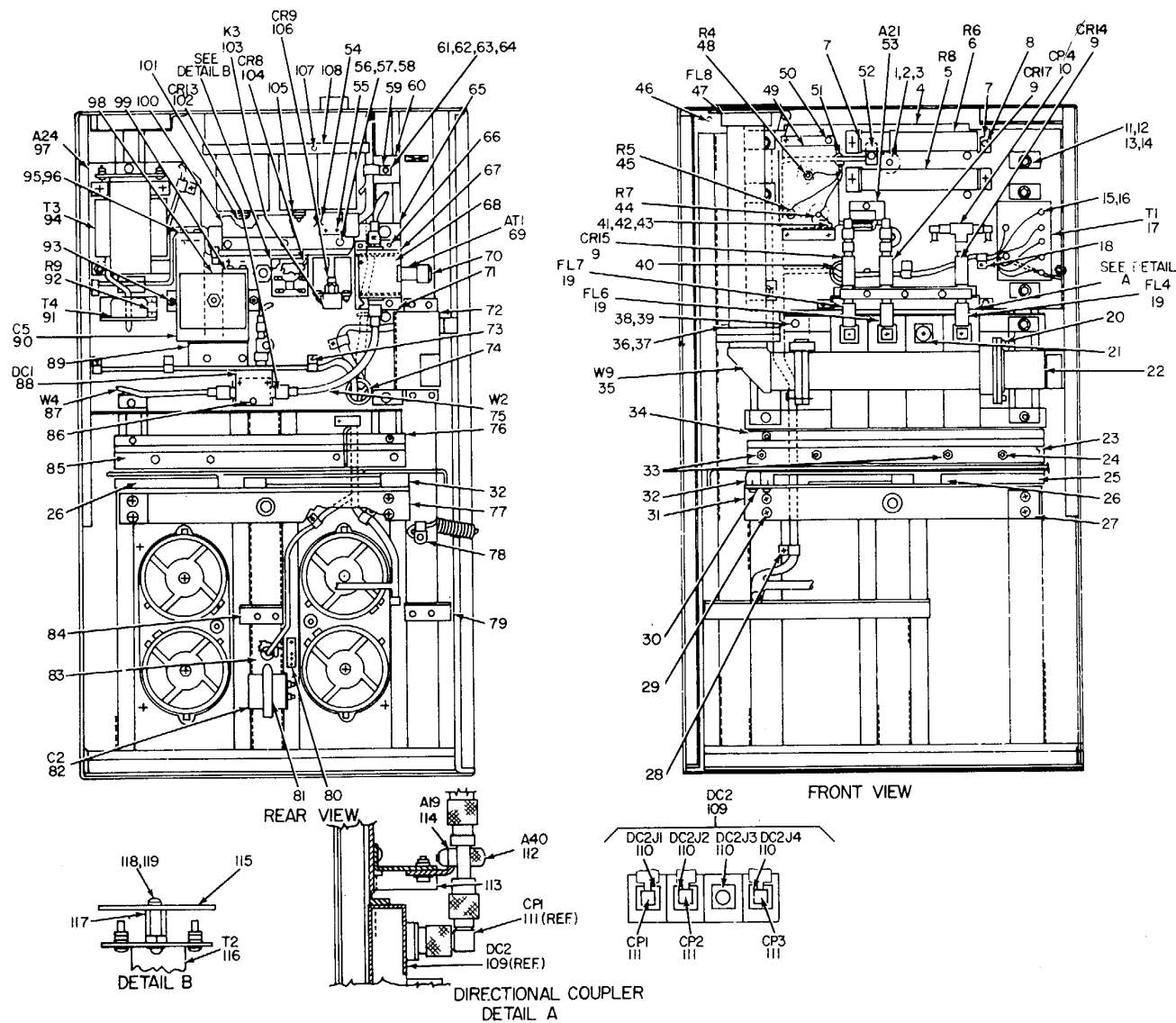


Figure 42. Cabinet, Electrical Equipment 3A9.

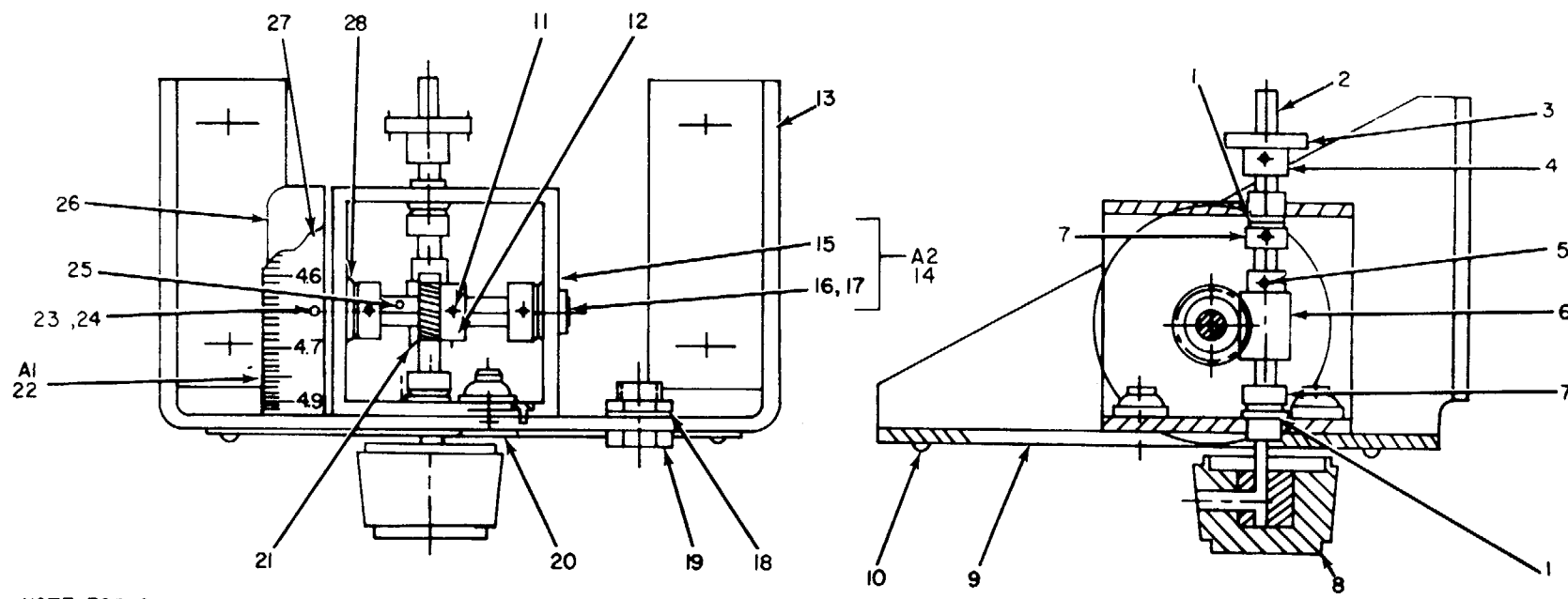
(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
42	4	PAOZZ	5920-00-199-9498	F02B250V1-2A	81349	FUSE, CARTRIDGE	EA	2
42	53	PAOZZ	5355-00-105-4233	PS70-2BLACK	21604	USABLE ON CODE KNOB, CONTROL	EA	3



NOTE: FOR COMPLETE REFERENCE DESIGNATION
 PREFIX WITH 3A9
 EL3CT166

Figure 43. Cabinet, Electrical Equipment Internal View 3A9.

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
							<i>USABLE ON CODE</i>	
43	9	PAOZZ	5820-00-145-6856	SMB653201-1	80063	CRYSTAL DETECTOR, COAXIAL	EA	3
43	70	PAOZZ	5355-00-619-4668	MS91528-2N2B	96906	KNOB	EA	1
43	102	PAOZZ	5820-00-145-6853	SMB653201	80063	CRYSTAL DETECTOR, COAXIAL	EA	1
43	104	PAOZZ	5961-00-488-9974	H954-1	13327	SEMICONDUCTOR DEVICE, UNITIZED	EA	1
43	106	PAOZZ	5961-00-059-2904	1N3613	81349	SEMICONDUCTOR DEVICE, DIODE	EA	1

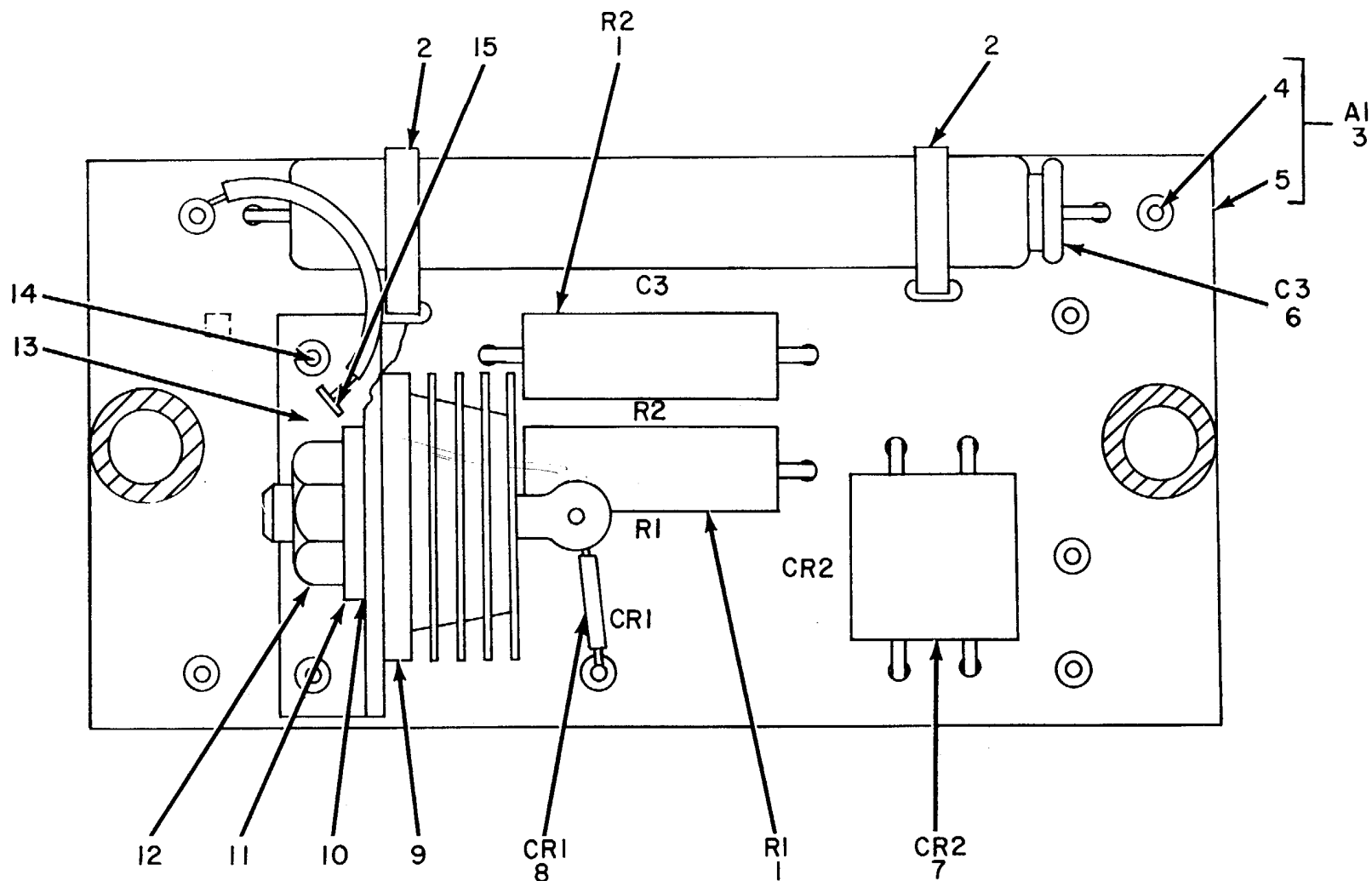


NOTE: FOR COMPLETE REFERENCE DESIGNATION, PREFIX WITH 3A9A6.

EL3CT167

Figure 44. Cabinet, Electrical Equipment Partial Internal View 3A9A6.

(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
44	8	PAOZZ	5355-00-182-5076	PS125-3BLACK	21604	KNOB, CONTROL	EA	1

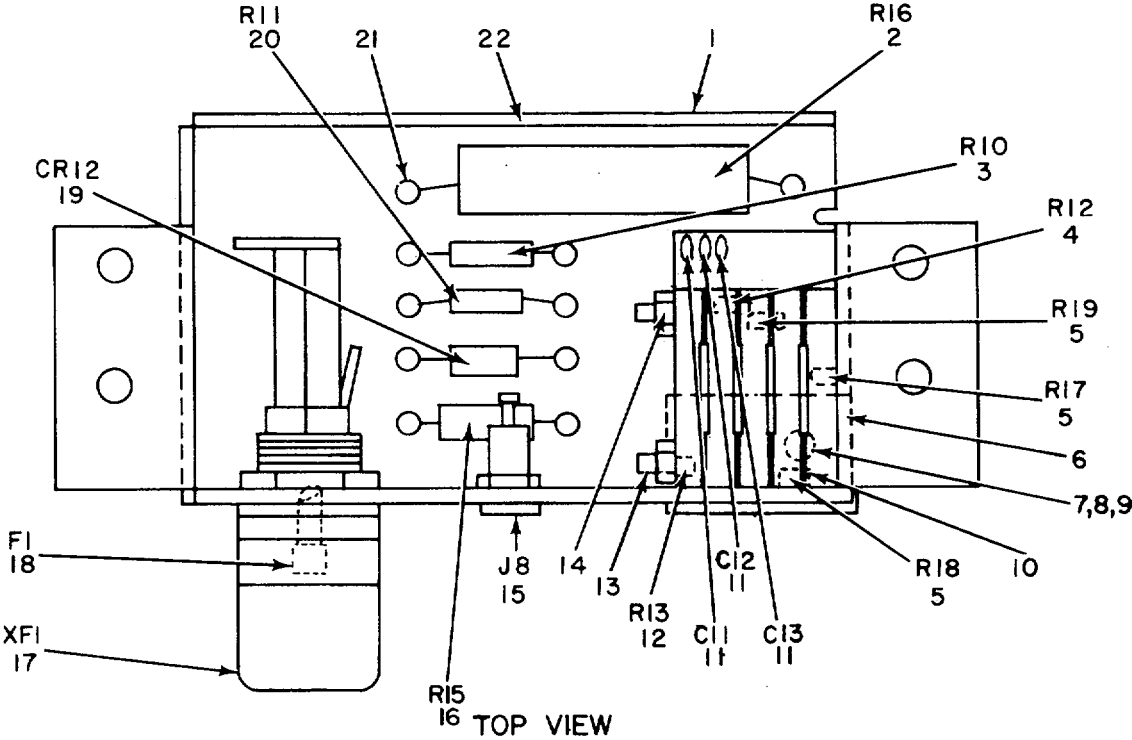


NOTE: FOR COMPLETE REFERENCE DESIGNATION,
 PREFIX WITH 3A9A21.

EL3CT169

Figure 45. Cabinet, Electrical Equipment Bottom Internal View 3A9A21.

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
45 45	7 8	PAOZZ PAOZZ	5961-00-488-9975 5961-01-012-8249	H954-3 1N2989B	13327 81349	SEMICONDUCTOR DEVICE, UNITIZED SEMICONDUCTOR DEVICE, DIODE	EA EA	1 1

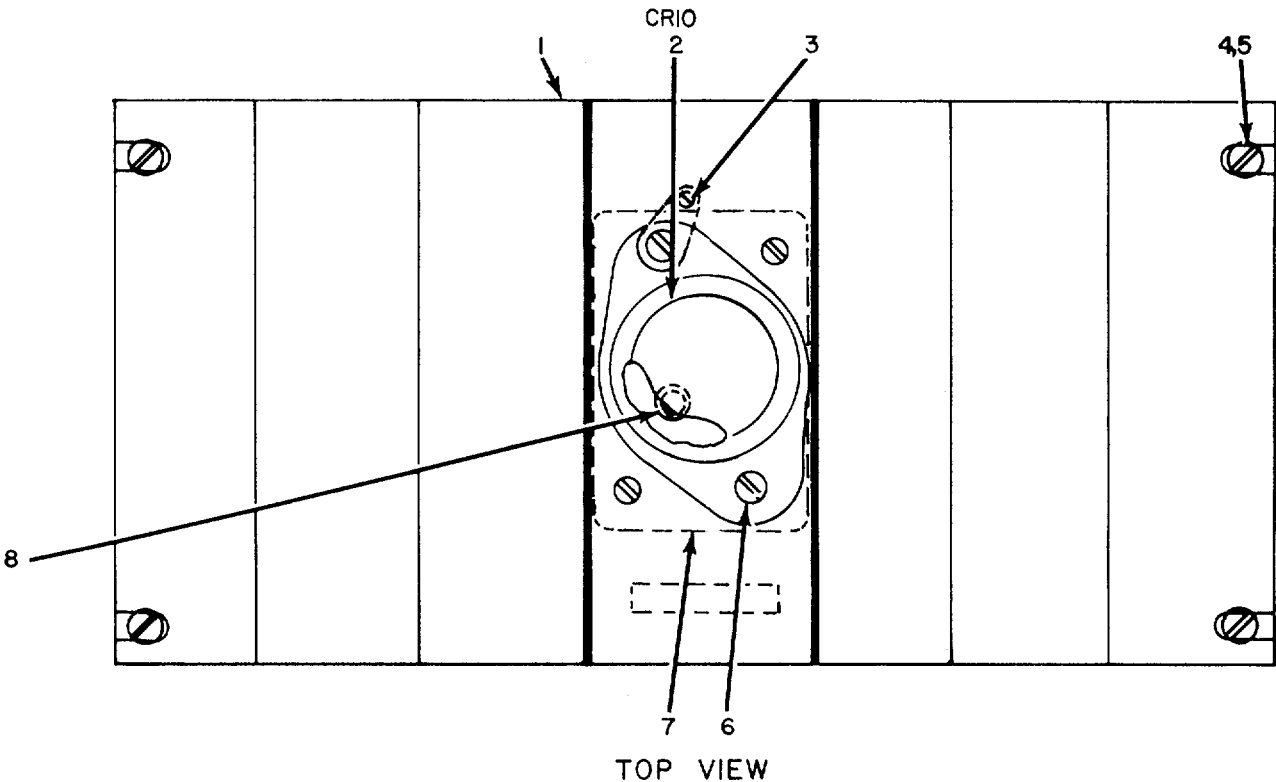


NOTE: FOR COMPLETE REFERENCE DESIGNATION,
PREFIX WITH 3A9A23

EL3CT170

Figure 46. Cabinet, Electrical Equipment 3A9A23.

(1) ILLUSTRATION		(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION	(7) U/M	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.							
46	18	PAOZZ	5920-00-199-9498	F02B250V1-2A	81349	FUSE, CARTRIDGE	EA	1
46	19	PAOZZ	5961-00-957-6865	1N3611	81349	SEMICONDUCTOR, DEVICE, DIODE	EA	1

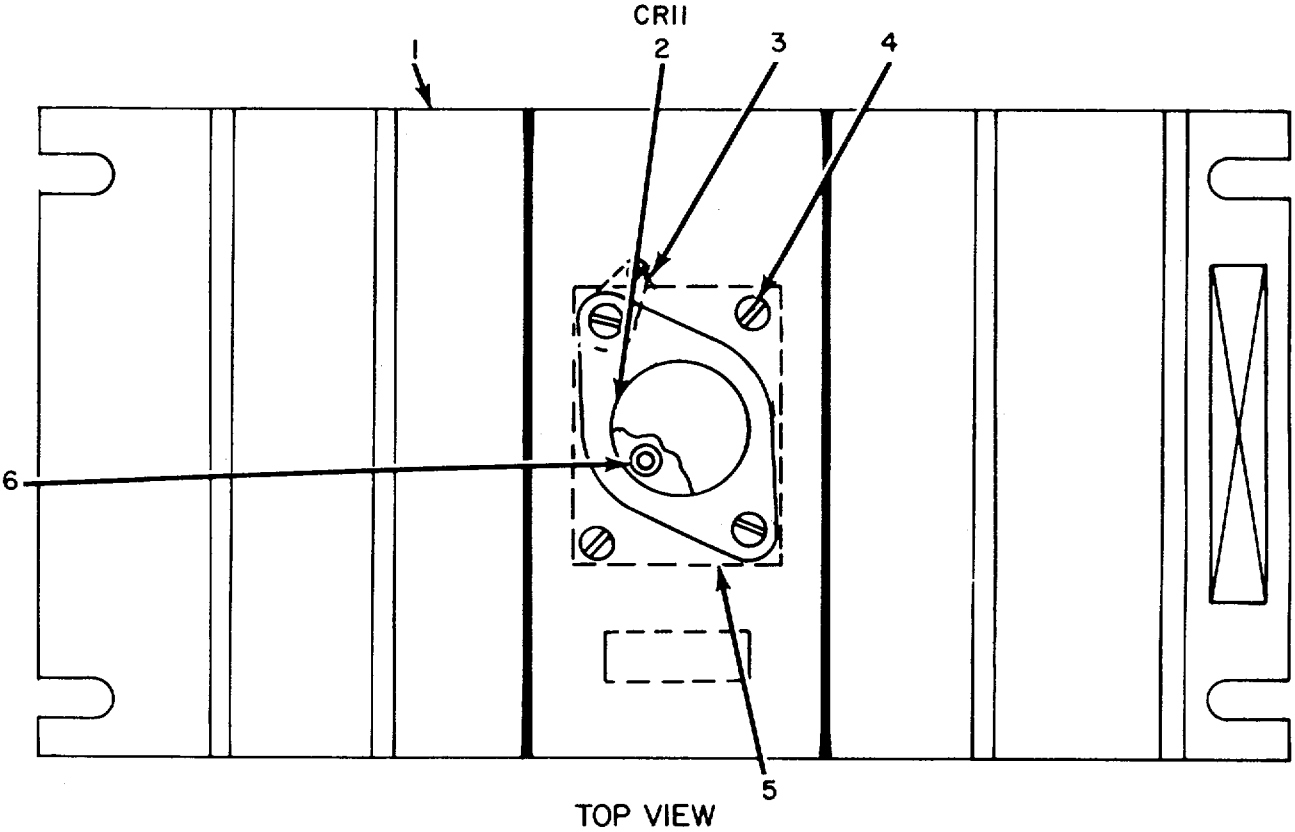


NOTE: FOR COMPLETE REFERENCE DESIGNATION, PREFIX WITH 3A9A27

EL3CTI72

Figure 47. Cabinet, Electrical Equipment 3A9A27.

(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
47	2	PAOZZ	5961-00-837-9289	1N2834B	81349	SEMICONDUCTOR DEVICE, DIODE	EA	1



NOTE: FOR COMPLETE REFERENCE DESIGNATION, PREFIX WITH 3A9A28.

EL3CT173

Figure 48. Cabinet, Electrical Equipment 3A9A28.

(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
48	2	PAOZZ	5961-00-837-9289	1N2834B	81349	SEMICONDUCTOR DEVICE, DIODE	EA	1

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

STOCK NUMBER	FIGURE NO.	ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.
5961-00-059-2904	43	106	5355-00-182-5087	41	25
6240-00-060-2941	4	36	5355-00-182-5088	41	24
6240-00-060-2941	5	65	5120-00-184-8443	37	1
6240-00-060-2941	22	1	5120-00-184-8447	37	4
6240-00-060-2941	27	12	5120-00-184-8448	37	3
6240-00-060-2941	28	16	6110-00-191-9224	3	1
6240-00-060-2941	32	5	6110-00-191-9224	31	1
4130-00-087-5125	41	91	6110-00-191-9225	3	2
5355-00-105-4233	42	53	6110-00-191-9225	31	2
5905-00-134-9854	2	36	5820-00-229-6614	30	24
6130-00-135-4552	22	17	5820-00-247-0176	10	4
6130-00-135-4570	38	6	5820-00-256-5726	20	10
5820-00-135-4585	10	8	5820-00-256-5729	20	12
5820-00-135-4586	10	9	5820-00-256-5730	20	13
5820-00-135-4587	10	10	5920-00-281-0210	4	18
5820-00-135-4588	10	11	5820-00-405-4563	20	1
5820-00-135-4589	10	12	6240-00-407-0703	11	15
5820-00-135-4590	10	13	6240-00-407-0703	12	22
5820-00-135-4591	10	14	6240-00-407-0703	13	17
5820-00-135-4592	10	1	6240-00-407-0703	14	24
5820-00-135-4593	10	2	6240-00-407-0703	15	14
5820-00-135-4594	10	3	6240-00-407-0703	16	24
5820-00-136-1232	22	13	6240-00-407-0703	17	15
5820-00-136-1233	2	37	6240-00-407-0703	18	18
5820-00-136-1234	10	6	5820-00-439-6140	8	9
5820-00-136-1235	22	8	5820-00-451-8277	20	2
5820-00-136-1236	9	8	5961-00-488-9974	43	104
5820-00-136-1237	9	3	5961-00-488-9975	45	7
5820-00-136-1238	34	1	5355-00-556-0145	2	40
5820-00-136-1239	34	9	5961-00-557-5273	8	31
5820-00-136-1240	30	50	5961-00-557-5273	9	1
5820-00-136-1241	2	35	5961-00-557-5273	30	28
5820-00-136-1241	30	29	5961-00-557-5273	34	14
5820-00-136-1242	2	29	5355-00-559-8942	39	12
5820-00-136-1244	30	23	5355-00-559-8942	40	24
5820-00-136-1245	38	13	5355-00-579-6390	29	4
5820-00-136-1246	2	32	5355-00-579-6390	36	163
5820-00-136-1246	30	42	5355-00-619-4668	43	70
5820-00-136-1247	38	5	5120-00-724-3767	37	5
5820-00-136-1249	30	39	4130-00-739-8218	36	117
5820-00-136-1250	2	30	4130-00-739-8218	37	6
5820-00-136-1255	22	10	5355-00-762-1489	35	11
5820-00-136-1256	22	9	6240-00-763-7744	29	3
5820-00-136-1257	22	11	6240-00-763-7744	36	148
5820-00-136-1258	22	12	6240-00-763-7744	36	168
5820-00-136-1259	30	16	6240-00-763-7744	36	175
5820-00-136-1262	2	10	6240-00-763-7744	36	182
6110-00-136-2331	3	6	5920-00-775-2273	29	6
5820-00-136-4959	22	7	5920-00-777-6473	22	4
5820-00-136-4960	30	31	5355-00-813-2078	5	70
5820-00-136-4962	38	12	5355-00-813-2078	6	20
5820-00-136-4963	38	11	5355-00-814-0470	2	39
5820-00-136-4964	38	14	5920-00-834-0138	36	153
5820-00-136-4965	38	8	5961-00-837-9289	47	2
4130-00-140-7315	29	118	5961-00-837-9289	48	2
4130-00-140-7315	36	43	5920-00-850-6091	36	152
5995-00-141-0054	2	33	5355-00-850-9799	29	2
5995-00-141-0055	2	21	5920-00-877-9934	4	23
5820-00-145-6853	43	102	5920-00-877-9934	32	2
5820-00-145-6856	43	9	5965-00-892-3850	1	6
5999-00-147-5583	7	1	5961-00-957-6865	46	19
6240-00-168-0411	22	2	5355-00-959-3161	21	49
5985-00-176-0166	2	36	6240-00-965-1381	21	37
5820-00-180-5830	30	15	6240-00-965-1381	41	11
5355-00-182-5074	41	26	5961-00-985-9091	33	42
			5961-01-012-8249	45	8

PART NUMBER	FSCM	FIG. NO.	ITEM NO.	PART NUMBER	FSCM	FIG. NO.	ITEM NO.
CM25-1007-5	71744	19	24	CM8-1062	71744	18	18
CM8-1062	71744	11	15	FM01-3A	81349	22	4
CM8-1062	71744	12	22	F02A250V3AS	81349	4	23
CM8-1062	71744	13	17	F02A250V3AS	81349	32	2
CM8-1062	71744	14	24	F02A250V4AS	81349	4	18
CM8-1062	71744	15	14	F02B250V1AS	81349	36	152
CM8-1062	71744	16	24	F02B32V5AS	81349	29	6
CM8-1062	71744	17	15	F02B32V8AS	81349	36	153

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

PART NUMBER	FSCM	FIG. NO.	ITEM NO.	PART NUMBER	FSCM	FIG. NO.	ITEM NO.
GBL	00303	4	37	SMD650569	80063	38	6
GBL	00303	32	6	SMD650572	80063	38	14
H954-1	13321	43	104	SMD650573	80063	38	13
H954-3	13321	45	7	SMD650574	80063	38	8
MS18209-387	96906	29	3	SMD650575	80063	10	14
MS18209-387	96906	36	148	SMD650576	80063	10	1
MS18209-387	96906	36	168	SMD650577	80063	10	2
MS18209-387	96906	36	175	SMD650578	80063	10	3
MS18209-387	96906	36	182	SMD650579	80063	10	4
MS91528-0D1B	96906	5	70	SMD651356	80063	36	117
MS91528-0D1B	96906	6	20	SMD651356	80063	37	6
MS91528-0E1B	96906	35	11	SMD651609	80063	20	10
MS91528-0F1B	96906	2	39	SMD651610	80063	20	12
MS91528-0K1B	96906	21	49	SMD651611	80063	20	13
MS91528-0N1B	96906	29	2	SMD651612	80063	20	1
MS91528-1K2B	96906	2	40	SMD651613	80063	20	2
MS91528-1N1B	96906	39	12	SMD652070-10FIG1	80063	38	129
MS91528-1N1B	96906	40	24	SMD652070-11FIG1	80063	38	144
MS91528-2F2B	96906	29	4	SMD652070-12FIG2	80063	38	139
MS91528-2F2B	96906	36	163	SMD652070-13FIG2	80063	38	149
MS91528-2N2B	96906	43	70	SMD652070-14FIG2	80063	38	164
PS70-2BLACK	21604	42	53	SMD652070-15FIG2	80063	38	159
P1A121262-22	00736	41	92	SMD652070-16FIG2	80063	38	154
RBL	00303	5	68	SMD652070-17FIG2	80063	38	134
SCD76454	80063	1	6	SMD652070-6FIG9	80063	36	165
SMB650580	80063	10	6	SMD652070-7FIG5	80063	36	172
SMB651379	80063	30	50	SMD652070-8FIG5	80063	36	179
SMB652543	80063	41	91	SMD652070-9FIG1	80063	38	124
SMB652983	80063	7	1	SMD652676	80063	30	39
SMB653201	80063	43	102	SMF650502	80063	2	29
SMB653201-1	80063	43	9	SMF650503	80063	2	30
SMC651158	80063	29	118	SMF650504	80063	2	32
SMC651158	80063	36	43	SMF650504	80063	30	42
SMC651807	80063	22	17	SMF650505	80063	2	10
SMC651876-2	80063	22	1	SMF650509	80063	2	37
SMC651876-2	80063	27	12	SMF650518	80063	30	31
SMC651876-2	80063	28	16	SMF650524	80063	30	24
SMC651989	80063	22	7	SMF652590	80063	30	23
SMC652185-1	80063	2	21				
SMC652185-2	80063	2	33				
SMC652196-1FIG1	80063	41	103	1N23WG	81349	33	42
SMC652196-2FIG2	80063	41	119	1N2834B	81349	47	2
SMD650500	80063	2	35	1N2634B	81349	48	2
SMD650500	80063	30	29	1N2989B	81349	45	8
SMD650512	80063	2	27	1N3611	81349	46	19
SMD650514	80063	2	36	1N3613	81349	43	106
SMD650520	80063	30	16				
SMD650522	80063	30	15	1N76	93332	8	31
SMD650527	80063	8	9	1N76	93332	9	1
SMD650528	80063	9	3	1N76	93332	30	28
SMD650529	80063	9	8	1N76	93332	34	14
SMD650530	80063	3	2	1114	65814	37	1
SMD650530	80063	31	2	1120	65814	37	4
SMD650531	80063	3	1	1122	65814	37	3
SMD650531	80063	31	1	1750ABLUE	72512	41	25
SMD650532	80063	3	6	1750AGREEN	72512	41	24
SMD650534	80063	34	1	1750AYELLOW	72512	41	26
SMD650535	80063	34	9	1813-9GREENG1-12	97539	11	65
SMD650536	80063	2	36	1813-9GREENG1-12	97539	12	54
SMD650539	80063	10	8	1813-9GREENG1-12	97539	13	37
SMD650540	80063	10	9	1813-9GREENG1-12	97539	15	43
SMD650542	80063	10	10	1813-9GREENG1-12	97539	16	56
SMD650543	80063	10	11	1813-9GREENG1-12	97539	17	26
SMD650545	80063	10	12	1813-9GREENG1-12	97539	18	51
SMD650547	80063	10	13	1813-9REDR2-12	97539	14	56
SMD650548	80063	22	13	382	08806	21	37
SMD650549	80063	22	10	382	08606	41	11
SMD650550	80063	22	8	5284	73899	37	5
SMD650551	80063	22	12	62TRANSEYE	00303	24	12
SMD650552	80063	22	9	62TRANSEYE	00303	25	8
SMD650553	80063	22	11	62TRANSEYE	80063	22	2
SMD650564	80063	38	12	683	92966	4	36
SMD650565	80063	38	5	683	92966	5	65
SMD650566	80063	38	11	683	92966	32	5

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

LATEST NATIONAL STOCK NUMBER ASSIGNMENTS

STOCK NUMBER	FIGURE NO.	ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.
6240-00-060-2941	26	15	5920-00-199-9498	42	4
5355-00-182-5076	44	8	5920-00-199-9498	46	18

LATEST PART NUMBER ASSIGNMENTS

PART NUMBER	FSCM	FIG. NO.	ITEM NO.	PART NUMBER	FSCM	FIG. NO.	ITEM NO.
CM8-1061	71744	19	25	SMC651876-2	80063	26	15
F02B250V1-2A	81349	42	4	SMD651356	80063	29	153
F02B250V1-2A	81349	46	18	62TRANSEYE	00303	23	26
PS125-3BLACK	21604	44	8				

ADDITIONAL LATEST NATIONAL STOCK NUMBER ASSIGNMENTS

STOCK NUMBER	FIG. NO.	ITEM NO.
5915-00-134-0739	30	38
5915-00-134-0740	30	18
5820-00-136-1261	30	43
5915-00-165-2891	30	17
6140-00-168-0411	23	26
6240-00-168-0411	24	12
6240-00-168-0411	25	8
5915-00-224-3588	30	37

ADDITIONAL LATEST PART NUMBER ASSIGNMENTS

PART NUMBER	FSCM	FIG. NO.	ITEM NO.
SMC650519	80063	30	37
SMC650523	80063	30	8
SMC650537	80063	30	38
SMD650515	80063	30	43
SMD650525	80063	30	17
SMD650538	30	18	

By Order of the Secretary of the Army:

Official:

BERNARD W. ROGERS
General, United States Army
Chief of Staff

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

Distribution:

To be distributed in accordance with DA Form 12-51, Organizational maintenance requirements for AN/GRC-143.

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 THIS 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:

TEAR ALONG PERFORATED LINE

PRINTED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

SIGN HERE:

DA FORM 2028-2
1 JUL 79

PREVIOUS EDITIONS ARE OBSOLETE.

P.S.—IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR RECOMMENDATION MAKE A CARBON COPY OF THIS AND GIVE IT TO YOUR HEADQUARTERS.

