

TECHNICAL MANUAL

**ORGANIZATIONAL MAINTENANCE REPAIR
PARTS AND SPECIAL TOOLS LISTS
FOR
RECEIVING SET, RADIO
AN/F RR-79
(NSN 5820-00-937-2887)**

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 PARTS AND SPECIAL TOOLS LISTS
 FOR
 RECEIVING SET, RADIOAN/FRR-79
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Current as of 30 September 1978

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*This manual supersedes so much of TM 11-5820-601-12, 27 December 1968, as pertains to repair parts and special tools list.

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010516 Circuit card assembly (1A7A24) (No parts authorized)		
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**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/FRR-79. It authorizes the requisitioning and issue of spares and repair parts as indicated by the source and maintenance codes.

2. General

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

a. Section II. Repair Parts List. A list of spares and repair parts authorized for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in numeric sequence, with the parts in each group listed in figure and item number sequence.

b. Section III. Special Tools List. Not applicable.

c. Section IV. National Stock Number and Part Number Index. A list, in National item identification number (NIIN) sequence, of all National stock numbers (NSN) appearing in the listings, followed by a list, in alphameric sequence, of all part numbers appearing in the listings. National stock numbers and part numbers are cross-referenced to each illustration figure and item number appearance.

3. Explanation of Columns

a. Illustration. This column is divided as follows:

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

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

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

(1) *Source code.* Source codes indicate the manner of acquiring support items for maintenance, repair, or overhaul of end items. Source codes are entered in the first and second positions of the Uniform SMR Code format as follows:

<i>Code</i>	<i>Definition</i>
PA-	Item procured and stocked for anticipated or known usage.

<i>Code</i>	<i>Definition</i>
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.
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:

<i>Recoverability codes</i>	<i>Definition</i>
Z-	Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3.

Recoverability

codes Definition

F- Repairable item. When uneconomically repairable, condemn and dispose at the direct support level.

 c. *National Stock Number.* Indicates the National stock number assigned to the item and will be used for requisitioning purposes.

 d. *Part Number.* Indicates the primary number used by the manufacturer (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.

NOTE

When a stock numbered item is requisitioned, the repair part received may have a different part number than the part being replaced.

 e. *Federal Supply Code for Manufacturer (FSCM).* The FSCM is a 5-digit numeric code listed in SB 708-42 which is used to identify the manufacturer, distributor, or Government agency, etc.

 f. *Description.* Indicates the Federal item name and, if required, a minimum description to identify the item.

 g. *Unit of Measure (U/M).* Indicates the standard of the basic quantity of the listed item 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 publications pertain to the AN/FRR-79 and its components:

TM 11-5820-598-12, Transmitting Set, Radio AN/FRT-76
 TM 11-5820-599-12, Transmitting Set, Radio AN/FRT-77
 TM 11-5820-601-12, Receiving Set, Radio AN/FRR-79

 b. The illustrations in this manual are identical to those published in TM 11-5820-601-34P. 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.

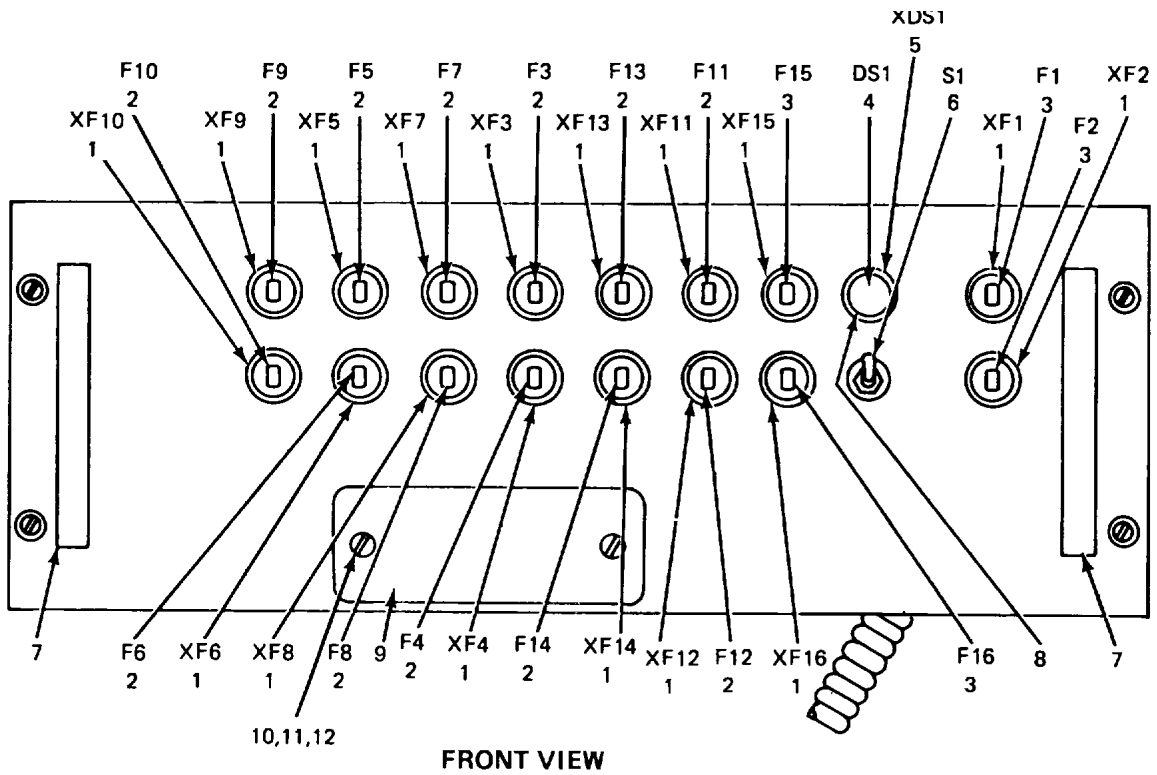
 (1) *First.* Using the Index of National Stock Numbers and Part Numbers, find the pertinent National stock number or part number. This index is in NIIN sequence followed by a list of part numbers in alphameric sequence, cross-referenced to the illustration figure number and item number.

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

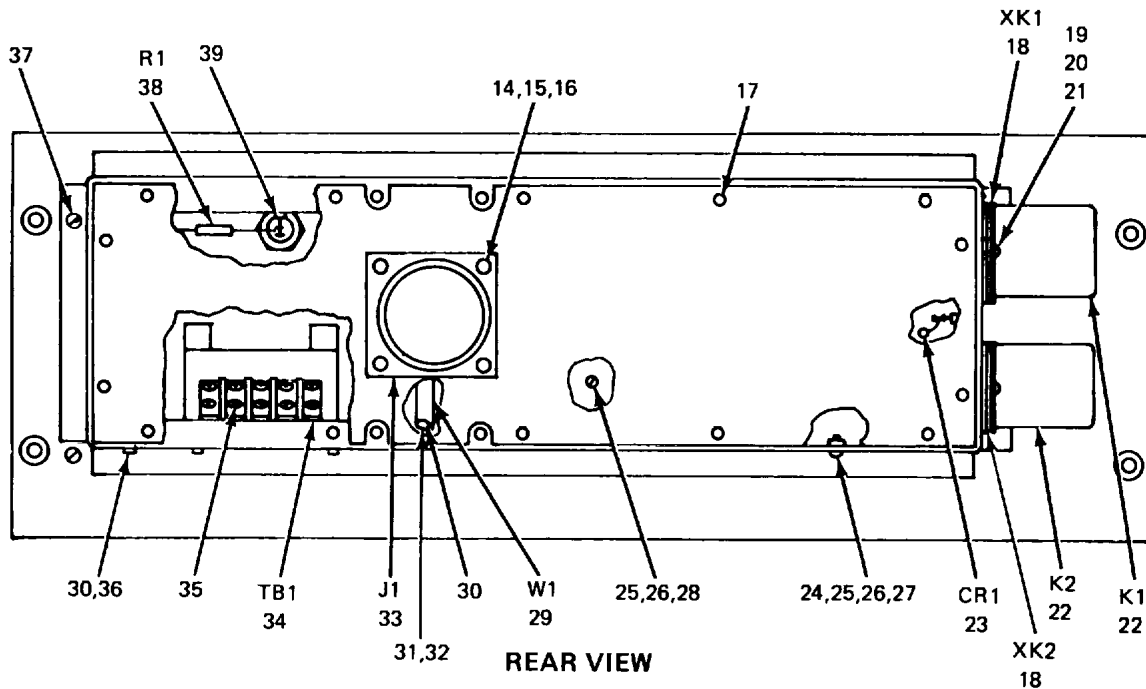
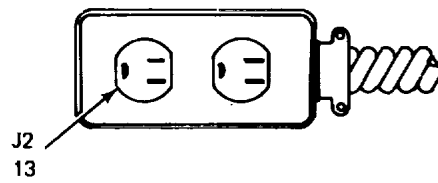
6. Abbreviations

Not applicable.

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FRONT VIEW



REAR VIEW

NOTE: PREFIX REFERENCE DESIGNATIONS WITH 1A1A1

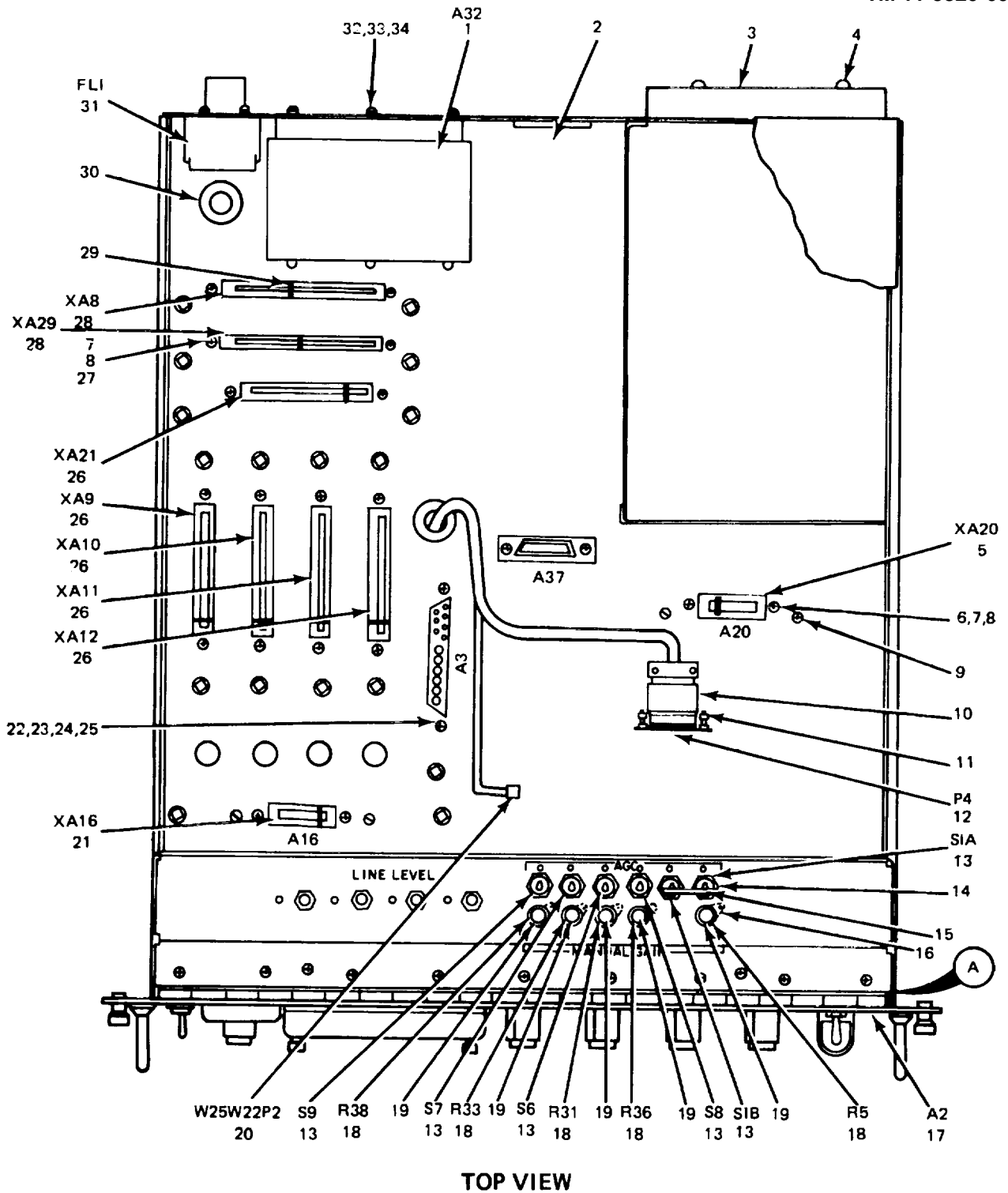
Figure 1. Panel, Power Distribution (1A1A1).

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SECTION II

TM 11-5820-601-20 P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	QTY INC IN UNIT
1	2	PAOZZ	5920-00-296-1517	F03A250V3A	81349	GROUP 010101 PANEL, POWER DISTRIBUTION (1A1A1)		
1	3	PAOZZ	5920-00-280-5002	F03A250V10A	81349	FUSE, CARTRIDGE.....	EA	12
1	4	PAOZZ	6240-00-682-3411	NE51H	08806	FUSE, CARTRIDGE.....	EA	4
1	8	PAOZZ	6210-00-989-4248	LC15YN	81349	LAMP, GLOW.....	EA	1
						LENS, IND, LIGHT	EA	1



NOTE: PREFIX REFERENCE DESIGNATIONS WITH 1A3A35 OR 1A4A35

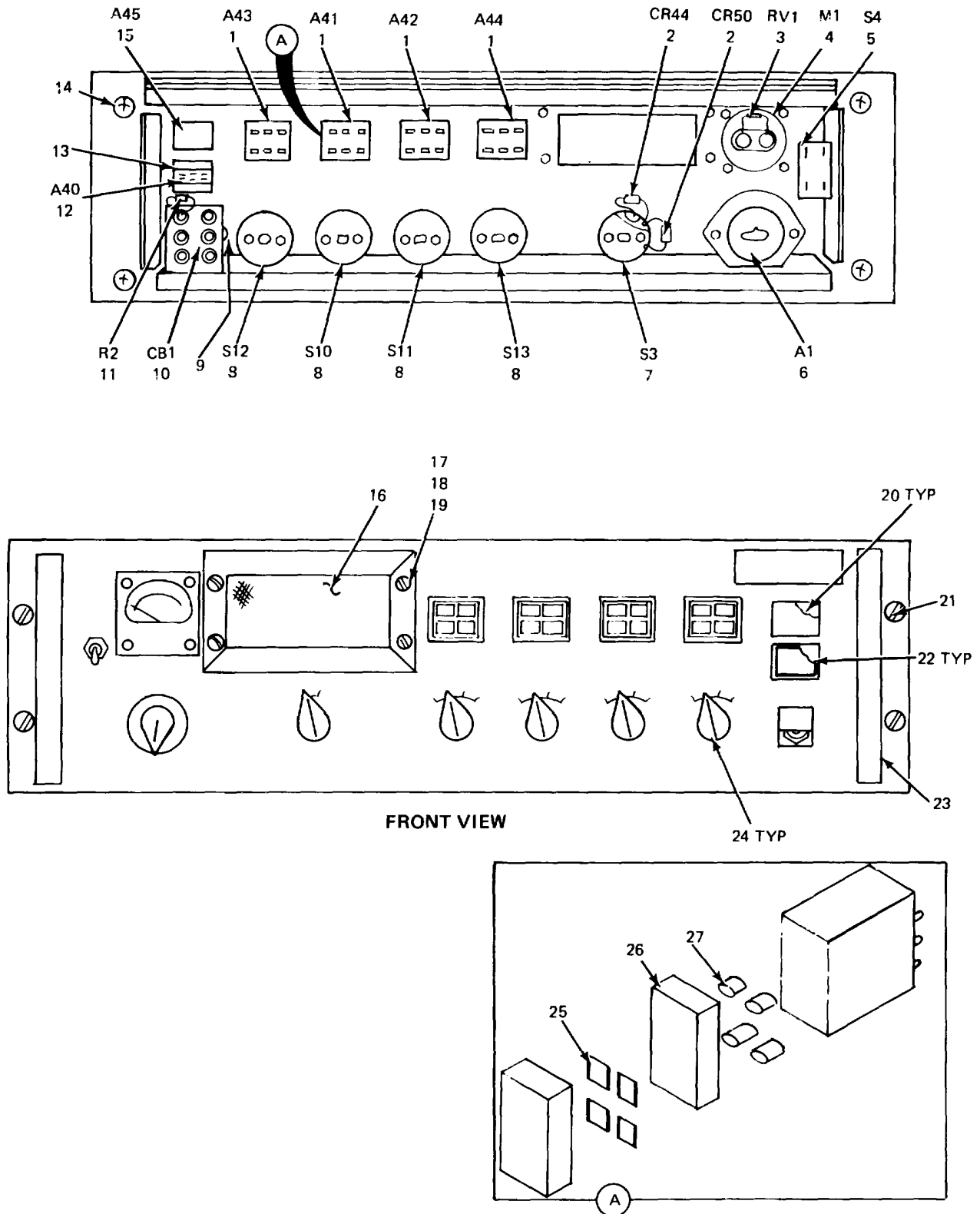
Figure 2. Radio Receiver, Subassembly (1A3A35 and 1A4A35).

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SECTION II

TM 11-5820-601-20 P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	QTY INC IN UNIT
2	19	PAOZZ	5355-00-813-2078	MS91528-0D18	96906	GROUP 010209 RADIO RECEIVER, SUBASSEMBLY (1A3A35 AND 1A4A35) KNOB.....	EA	5
					7			



NOTE: PREFIX REFERENCE DESIGNATIONS WITH 1A3A35A2 OR 1A4A35A2

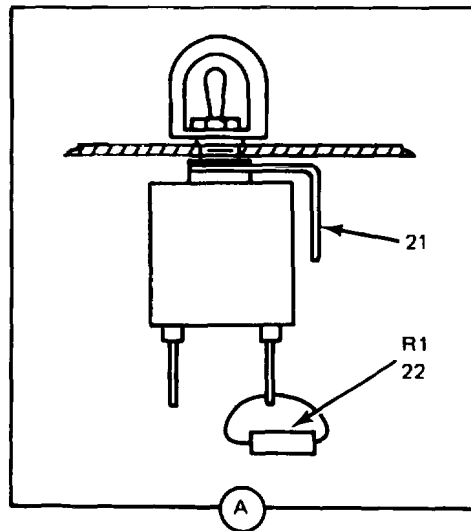
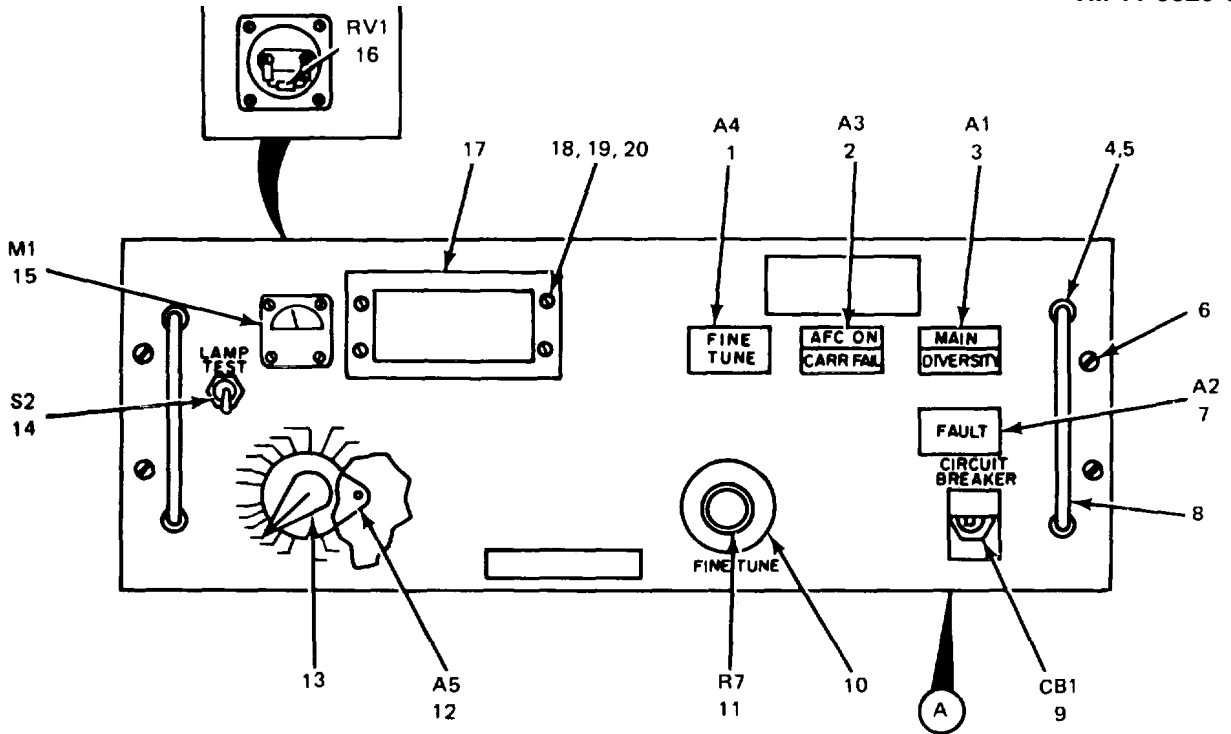
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Figure 3. Radio Receiver, Subassembly (1A3A35A2 and 1A4A35A2).

SECTION II

TM 11-5820-601-20P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	QTY INC IN UNIT
3	20	PAOZZ	6240-00-940-7070	370	08806	GROUP 01020902 RADIO RECEIVER, SUBASSEMBLY (1A3M35A2 AND 1A4A35A2)		
3	22	PAOZZ	6240-00-940-7070	370	08806	LAMP, INCANDESCENT.....	EA	2
3	24	PAOZZ	5355-00-556-0145	MS91528-1K2B	96906	LAMP, INCANDESCENT.....	EA	2
3	27	PAOZZ	6240-00-940-7070	370	08806	KNOB	EA	6
						LAMP, INCANDESCENT.....	EA	4



NOTE: PREFIX REFERENCE DESIGNATIONS WITH 1A5A1A1

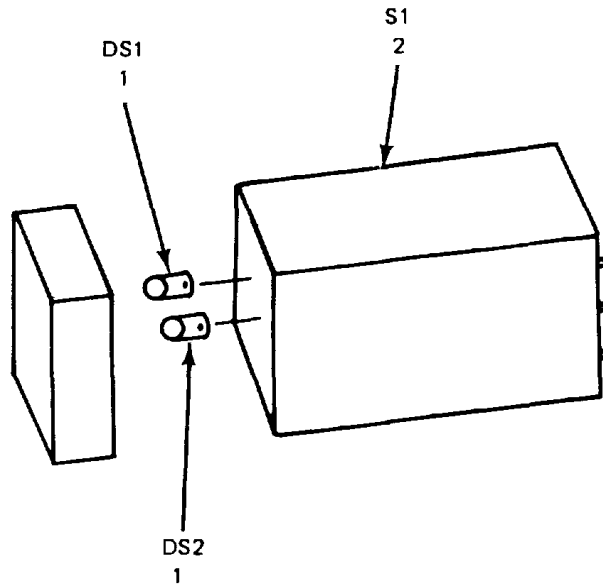
ELOKT077

Figure 4. Electronic Frequency Subchassis (1A5A1A1).

SECTION II

TM 11-5820-601-20 P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	QTY INC IN UNIT
4	13	PAOZZ	5355-00-556-0145	NS91528-1K28	96906	GROUP 01030101 ELECTRONIC FREQUENCY SUBCHASSIS (1A5A1A1) KNOB	EA	1



NOTE: PREFIX REFERENCE DESIGNATIONS WITH 1A5A1A1A1

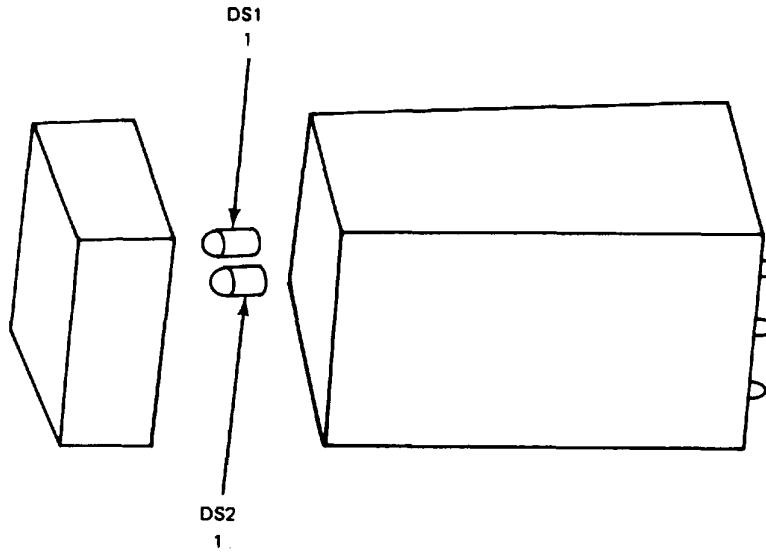
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Figure 5. Switch, Push, Main Diversity (1A5A1A1A1).

SECTION II

TM 11-5820-601-20 P

(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
5	1	PAOZZ	6240-00-940-7070	370	08806	GROUP 0103010101 SWICH, PUSH, MAIN DIVERSITY (1A5A1A1A1) LAMP, INCANDESCENT.....	EA	2



NOTE: PREFIX REFERENCE DESIGNATIONS WITH 1A5A1A1A2

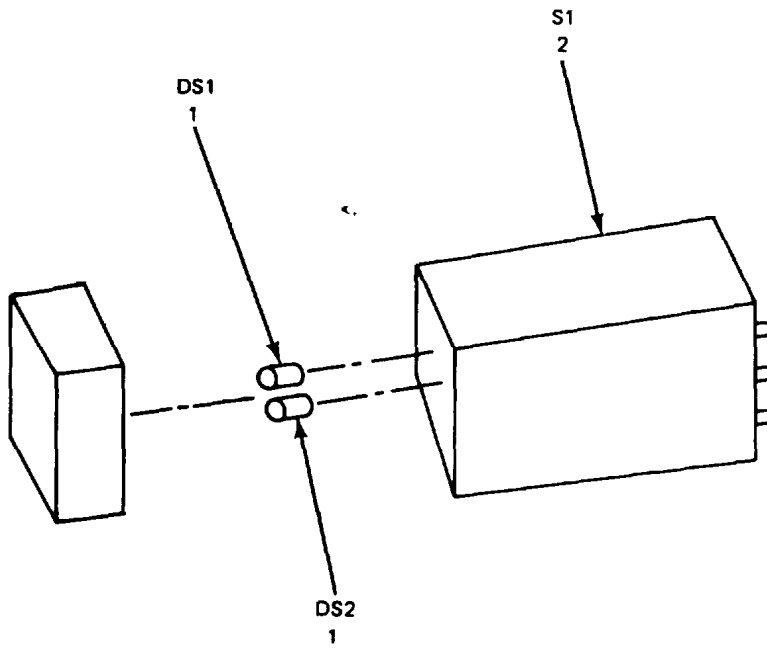
EL0KT079

Figure 6. Light, Indicator, Fault (1A5A1A1A2).

SECTION II

TM 11-5820-601-20 P

(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	1	PAOZZ	6240-00-940-7070	370	08806	GROUP 0103010102 LIGHT, INDICATOR, FAULT (1A5A1A1A2) LAMP, INCANDESCENT.....	EA	2



NOTE: PREFIX REFERENCE DESIGNATIONS WITH 1A5A1A1A3

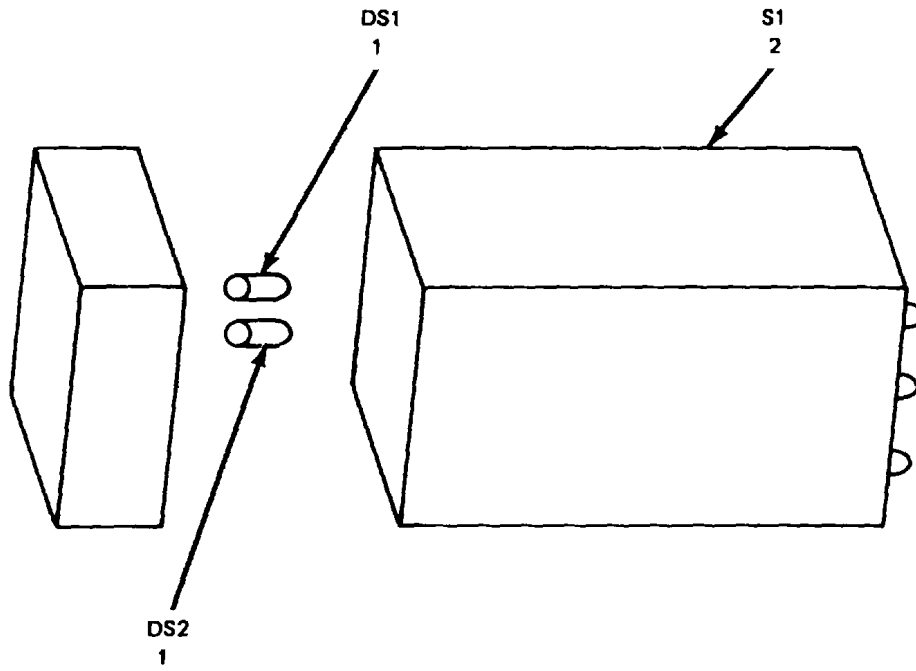
ELOKT080

Figure 7. Switch, Push, Afcon Carr Fail (1A5A1A1A3).

SECTION II

TM 11-5820-601-20 P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	QTY INC IN UNIT
7	1	PAOZZ	6240-00-940-7070	370	08806	GROUP 0103010103 SWITCH, PUSH, AFCON CARR FAIL (1A5A1A1A3) LAMP, ICANDESCENT	EA	2



NOTE: PREFIX REFERENCE DESIGNATIONS WITH 1A5A1A1A4

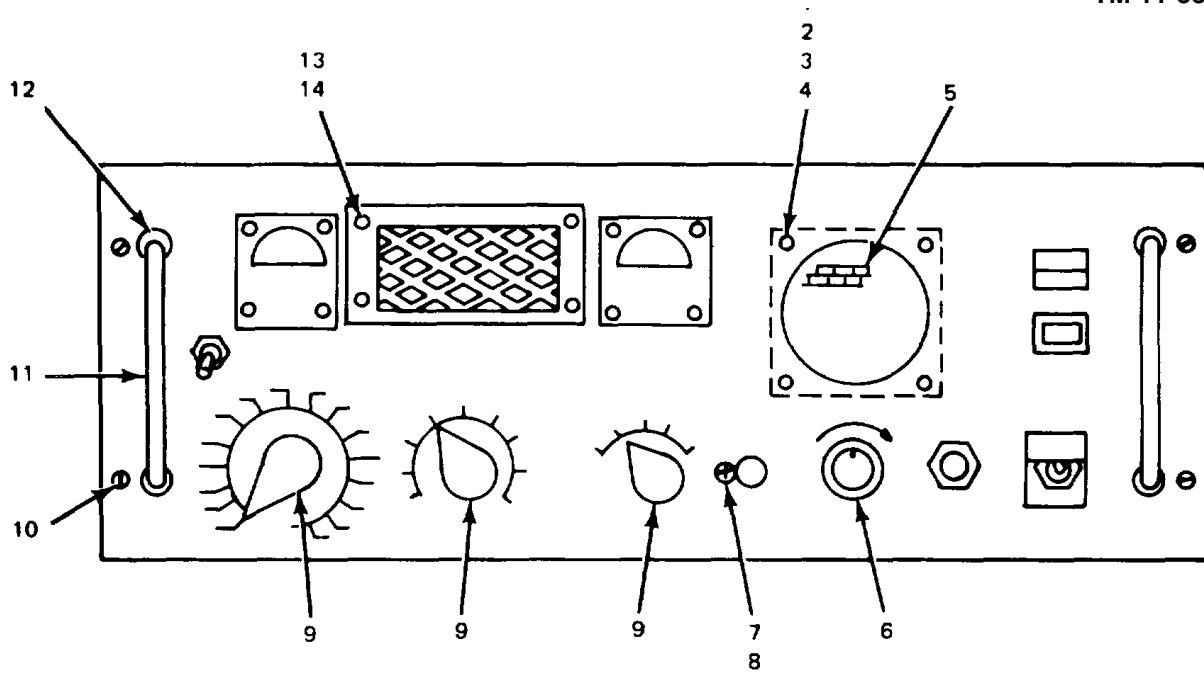
EL0KT081

Figure 8. Switch, Push, Finetune (1A5A1A1A4).

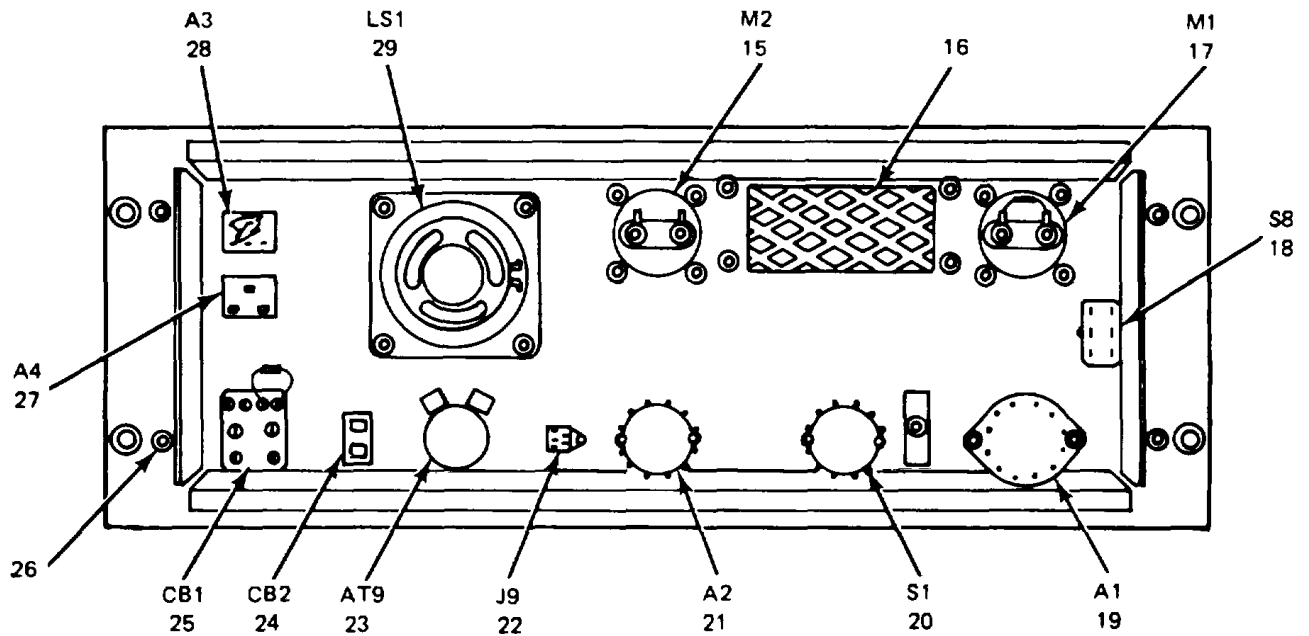
SECTION II

TM 11-5820-601-20 P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	QTY INC IN UNIT
8	1	PAOZZ	6240-00-940-7070	370	08806	GROUP 0103010104 SWITCH, PUSH, FINETUNE (1A5A1A1A4) LAMP, INCANDESCENT.....	EA	2



FRONT VIEW



REAR VIEW OF FRONT PANEL

NOTE: PREFIX REFERENCE DESIGNATIONS WITH 1A6A20A10

EL0KT128

Figure 9. Audio Frequency Subassembly (1A6A20A10).

SECTION II

TM 11-5820-601-20 P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	QTY INC IN UNIT
9	6	PAOZZ	9355-00-994-3435	MS91528-1E2B	96906	GROUP 01040301 AUDIO FREQUENCY SUBASSEMBLY (1A6A20A10)		
9	9	PAOZZ	9355-00-556-0145	MS91528-1K2B	96906	KNOB	EA	1
						KNOB	EA	3

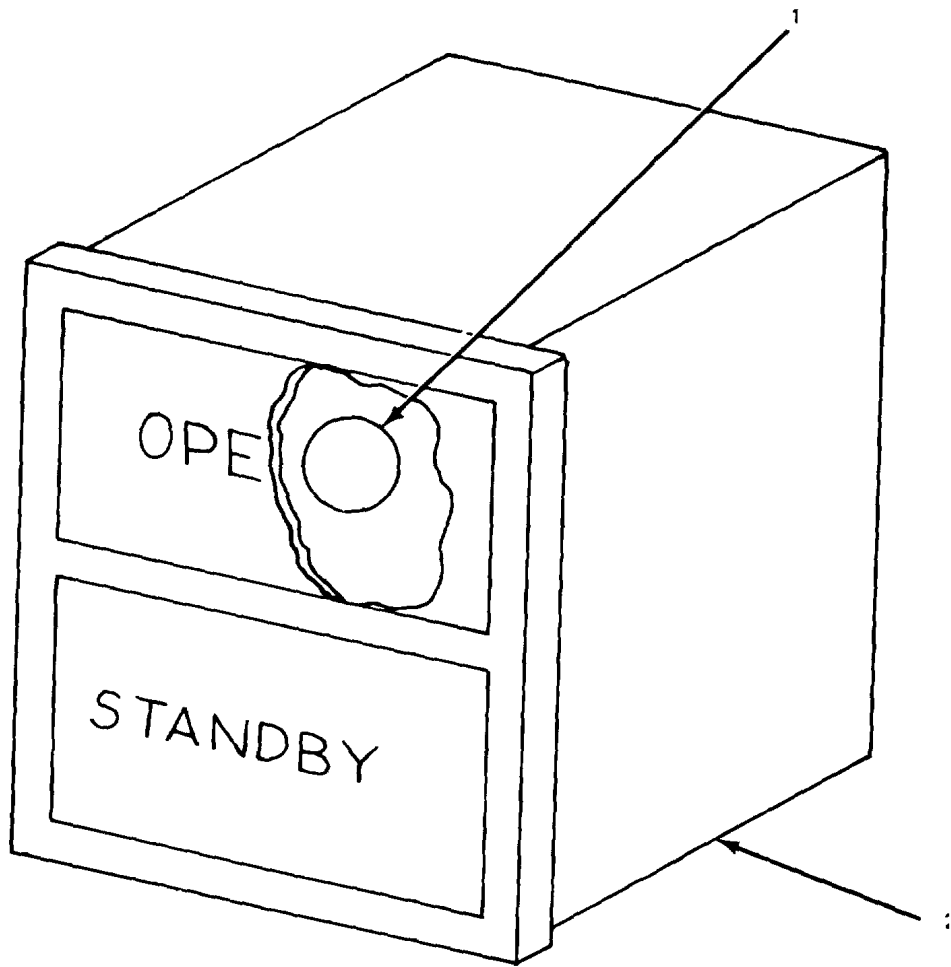


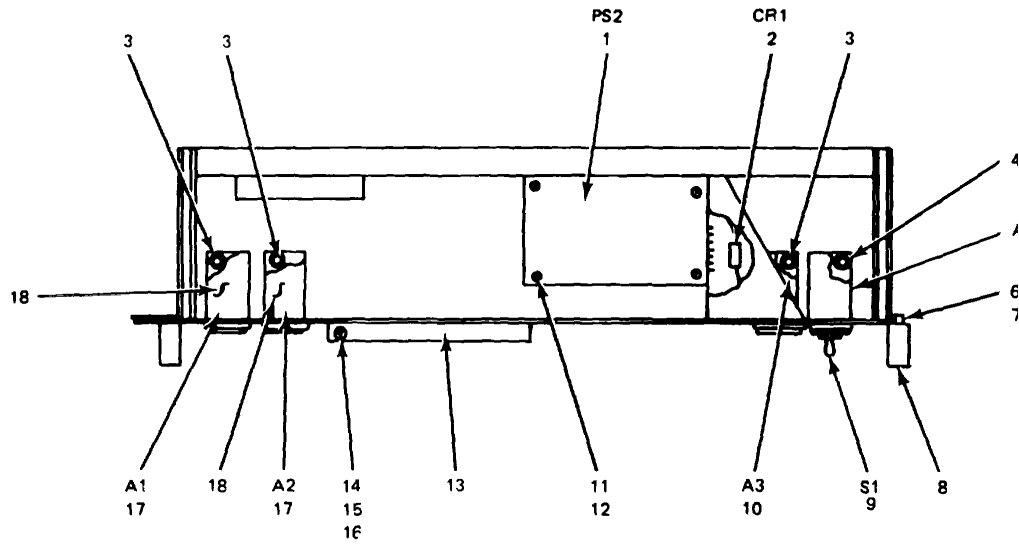
FIGURE 10

Figure 10. Switch, Push, Operate Standby (1A6A20A10A3).

SECTION II

TM 11-5820-601-20 P

(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
10	1	PAOZZ	6240-00-940-7070	370	08806	GROUP 0104030103 SWITCH, PUSH, OPERATE STANDBY (1A6A20A10A3) LAMP, INCANDESCENT.....	EA	2



NOTE: PREFIX ALL REFERENCE DESIGNATIONS WITH 1A7A27A1

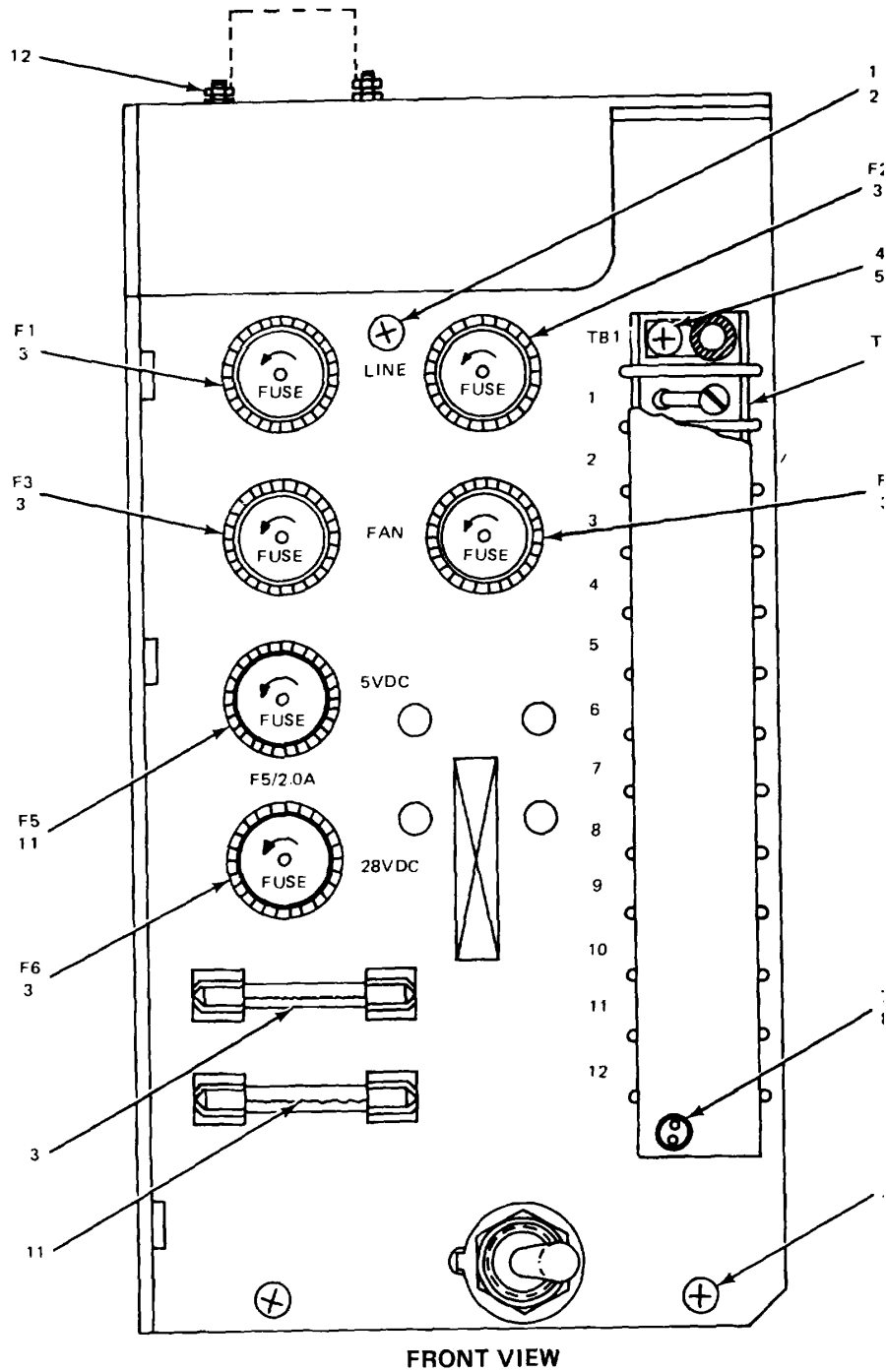
ELOKT1

Figure 11. Converter Subassembly (1A7A27A1).

SECTION II

TM 11-5820-601-20 P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 0105901 CONVERTER SUBASSEMBLY (1A7A27A1)		
11	2	PAOZZ	5961-00-577-6084	1N645	81349	SEMICONDUCTOR DEVICE	EA	1
11	3	PAOZZ	6240-00-155-7836	MS25237-327	96906	LAMP, INCANDESCENT.....	EA	3
11	4	PAOZZ	6240-00-155-7857	MS25237-328	96906	LAMP, INCANDESCENT.....	EA	1
11	18	PAOZZ	6240-00-014-2870	80EC4	96182	LAMP, GLOW.....	EA	2



FRONT VIEW

NOTE: PREFIX ALL REFERENCE DESIGNATIONS WITH 1A7A27A2

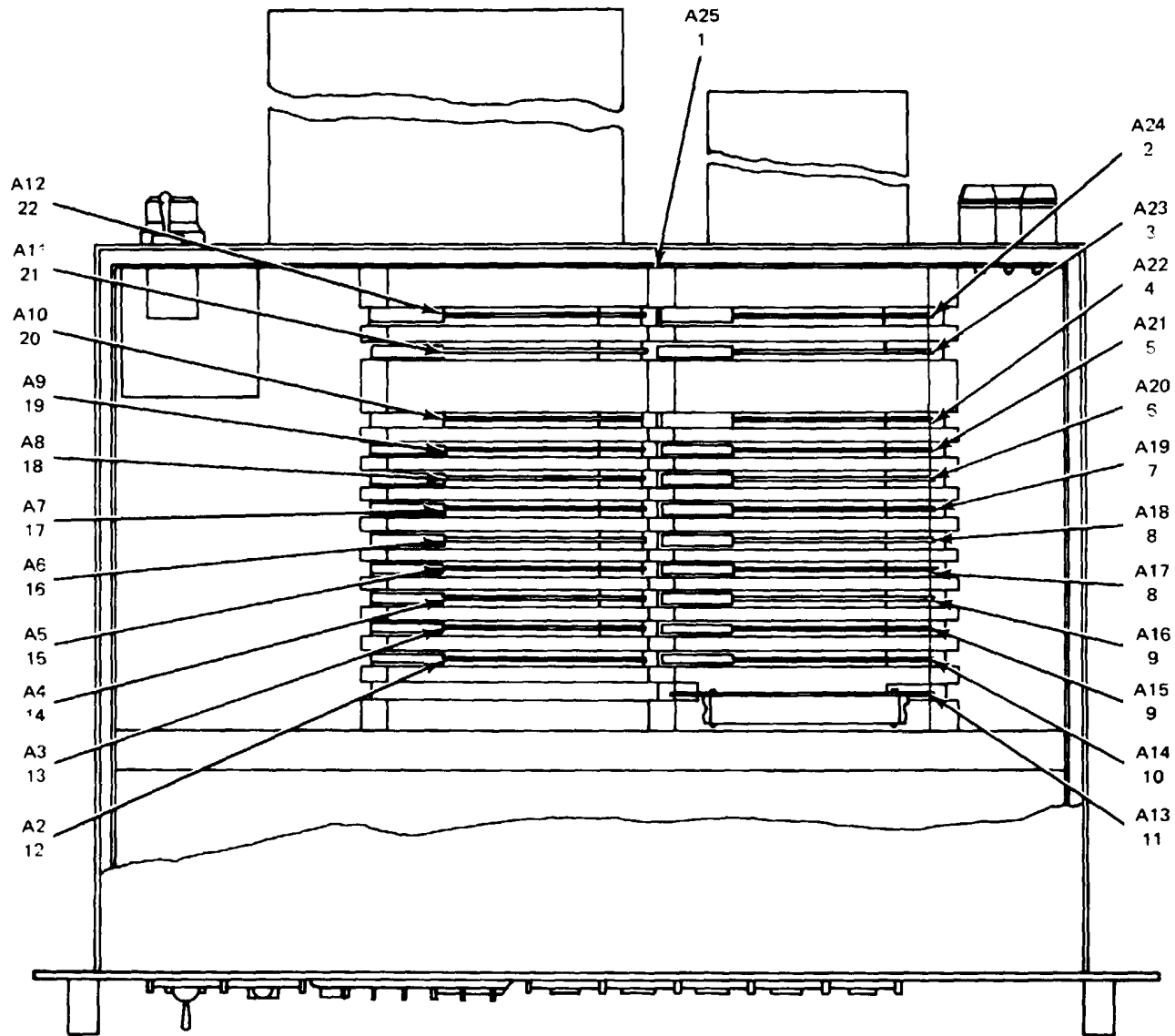
ELOK

Figure 12. Panel, Fuse (1A7A27A2).

SECTION II

TM 11-5820-601-20 P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	QTY INC IN UNIT
12	3	PAOZZ	5920-00-284-9220	F02B250V1A	81349	GROUP 01051902 PANEL, FUSE (1A7A27A2)		
12	11	PAOZZ	5920-00-228-7882	F02B125V2A	81349	FUSE, CARTRIDGE	EA	6
						FUSE, CARTRIDGE	EA	2



NOTE: PREFIX REFERENCE DESIGNATIONS WITH 2

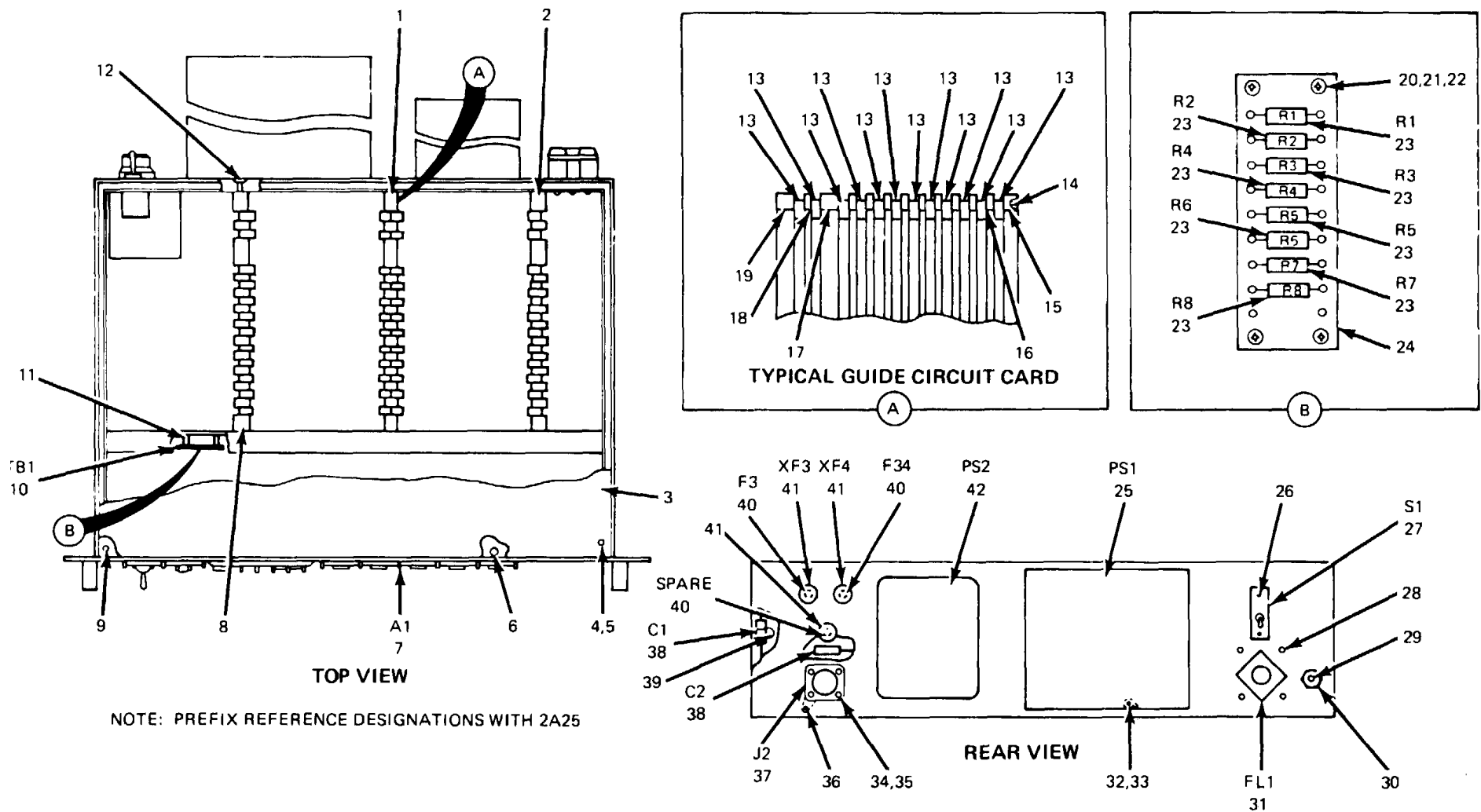
EL0KT171

Figure 13. Control, Receiver C-7667/FRR-79 (2).

SECTION II

TM 11-5820-601-20 P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	QTY INC IN UNIT
13	1	XDOFF		20006-200B3-1	97983	GROUP 02 CONTROL, RECEIVER C-7667/FRR-79 (2) REMOTE CONT SUB.....	EA	1

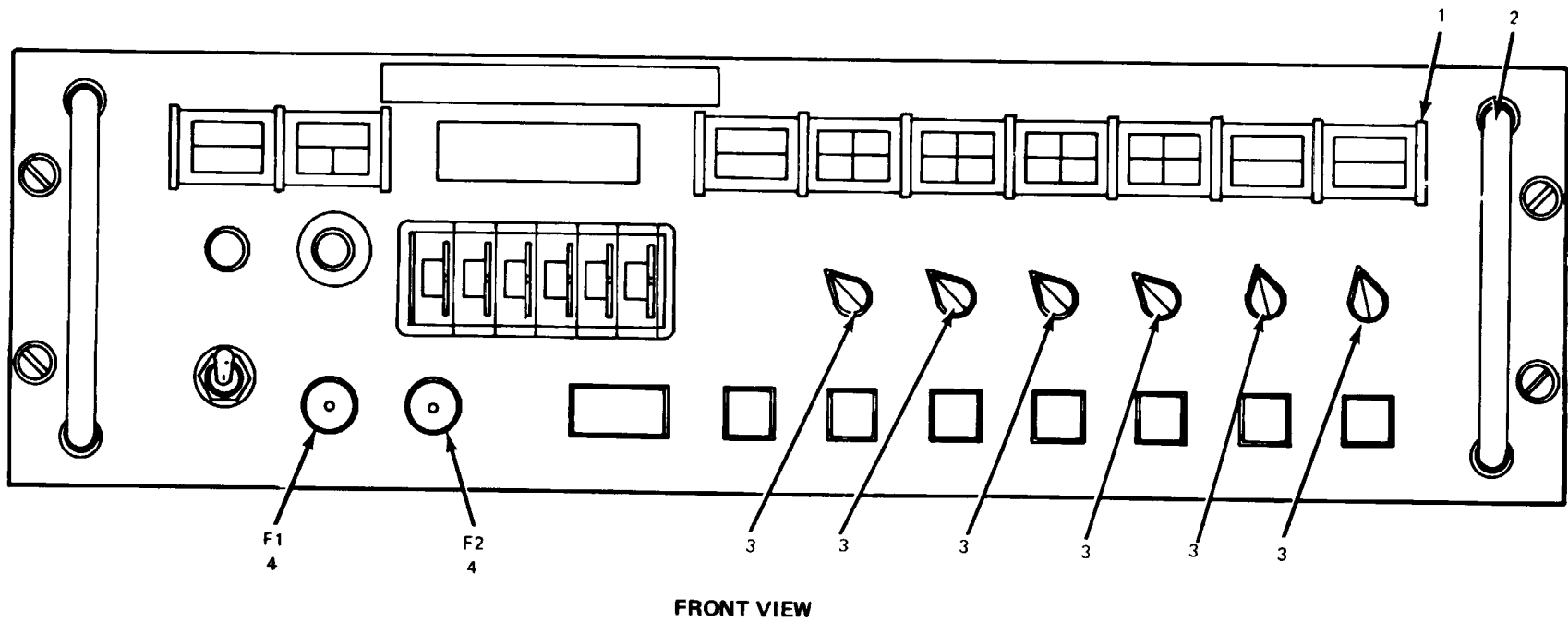


EL0KT173

Figure 14. Remote Control Subassembly (2A25).

SECTION II

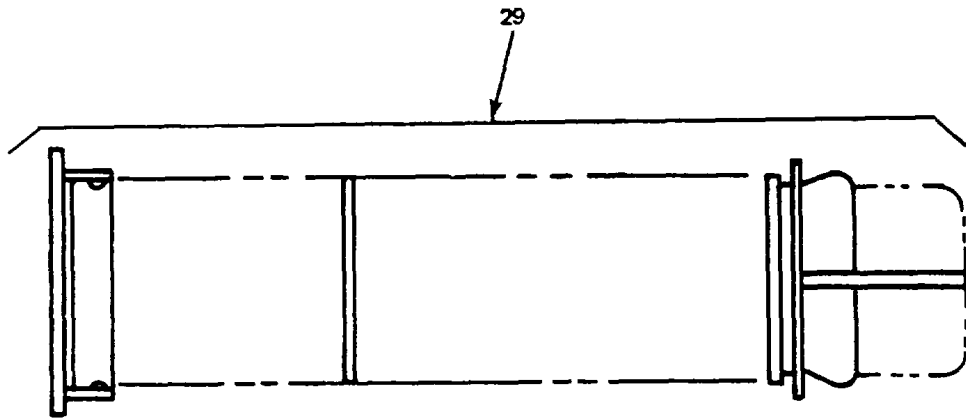
(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
14	40	PAOZZ	5920-00-284-9220	F028250V1A	81349	GROUP 0201 REMOTE CONTROL SUBASSEMBLY (2A25) FUSE, CARTRIDGE	EA	3



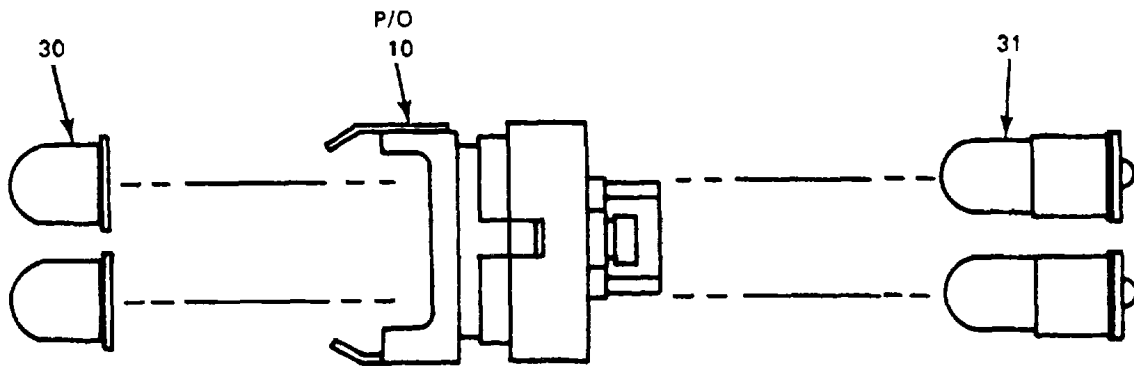
NOTE: PREFIX REFERENCE DESIGNATIONS WITH 2A25A1

EL0KT175

Figure 15. Remote Control Subassembly (2A25A1). (Sheet 1 of 2).



LENS (EXPLODED VIEW) TYPICAL



LAMPHOLDER TYPICAL

EL0KT177

Figure 15. Remote Control Subassembly (2A25A1) (Sheet 2 of 2).

SECTION II

TM 11-5820-601-20 P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 020101 REMOTE CONTROL SUBASSEMBLY (2A25A1)		
15	3	PAOZZ	5355-00-959-3161	MS91528-0K1B	96906	KNOB	EA	6
15	4	PAOZZ	5920-00-284-9220	F02B250V1A	81349	FUSE, CARTRIDGE	EA	2
15	31	PAOZZ	6240-00-155-7836	MS25237-327	96906	LAMP, INCANDESCENT.....	EA	37

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

NOTE: LATEST NATIONAL STOCK NUMBER AND PART NUMBER ASSIGNMENTS ARE INCLUDED AT END OF INDEX.

STOCK NUMBER	FIG. NO.	ITEM NO.	STOCK NUMBER	FIG. NO.	ITEM NO.
6240-00-014-2870	11	18	5920-00-296-1517	1	2
6240-00-155-7836	11	3	5355-00-556-0145	3	24
6240-00-155-7836	15	31	5355-00-556-0145	4	13
6240-00-155-7857	11	4	5355-00-556-0145	9	9
5920-00-228-7882	12	11	5961-00-577-6084	1	2
5920-00-280-5002	1	3	6240-00-682-3411	1	4
5920-00-284-9220	12	3	5355-00-813-2078	2	19
5920-00-284-9220	14	40	5355-00-994-3435	9	6
5920-00-284-9220	15	4			

PART NUMBER	FSCM	FIG. NO.	ITEM NO.	PART NUMBER	FSCM	FIG. NO.	ITEM NO.
F02B125V2A	81349	12	11	MS91528-1K2B	96906	9	9
F02B250V1A	81349	12	3	NE51H	08806	1	4
F02B250V1A	81349	14	40	1N645	81349	11	2
F02B250V1A	81349	15	4	20006-200B3-1	97983	13	1
F03A250V10A	81349	1	3	370	08806	3	20
F03A250V3A	81349	1	2	370	08806	3	22
MS25237-327	96906	11	3	370	08806	3	27
MS25237-327	96906	15	31	370	08806	5	1
MS25237-328	96906	11	4	370	08806	6	1
MS91528-0D18	96906	2	19	370	08806	7	1
MS91528-1E2B	96906	9	6	370	08806	8	1
MS91528-1K2B	96906	3	24	370	08806	10	1
MS91528-1K2B	96906	4	13	80EC4	96182	11	18

LATEST NATIONAL STOCK NUMBER ASSIGNMENTS

STOCK NUMBER	FIG. NO.	ITEM NO.	STOCK NUMBER	FIG. NO.	ITEM NO.
			6240-00-940-7070	6	1
6240-00-940-7070	3	20	6240-00-940-7070	7	1
6240-00-940-7070	3	22	6240-00-940-7070	8	1
6240-00-940-7070	3	27	6240-00-940-7070	10	1
6240-90-940-7070	5	1	6210-00-989-4248	1	8

LATEST PART NUMBER ASSIGNMENTS

PART NUMBER	FSCM	FIG. NO.	ITEM NO.
LC15YN	81349	1	8
MS91528-0K1B	96906	15	3

ADDITIONAL LATEST NATIONAL STOCK NUMBER ASSIGNMENT

STOCK NUMBER	FIG. NO.	ITEM NO.
5355-00-959-3161	15	3

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