

TECHNICAL MANUAL
ORGANIZATIONAL MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LISTS
FOR
RADAR SET AN/TPN-18
(NSN 5840-00-944-2452)

HEADQUARTERS, DEPARTMENT OF THE ARMY

APRIL 1979

TECHNICAL MANUAL }
 No. 11-5840-281-20P , }

HEADQUARTERS
 DEPARTMENT OF THE ARMY
 WASHINGTON, DC, 10 April 1979

**ORGANIZATIONAL MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS
 FOR
 RADAR SET AN/TPN-1 8
 (NSN 5840-00-944-2452)**

Current as of 20 October 1978

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	0103 Elevation Antenna AS-1291/TPN-8 and Yoke Assembly (No parts authorized)		
	0104 Drive, Azimuth Antenna TG- 113/TPN-8 (No parts authorized)		
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★ This manual supersedes TM 11-5840-281-20P, 27 July 1970.

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	02010204	Generator, azimuth-elevation blanking pulse (No parts authorized)	
	02010205	Generator, range mark (No parts authorized)	
	02010206	Generator, sawtooth (No parts authorized)	
	02010207	Generator, cursor (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/TPN-1 g. It authorizes the requisitioning and issue of spares and repair parts as indicated by the source and maintenance codes.

2. General

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

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

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

c. Section IV. National Stock Number and Part Number Index. A list, in National item identification number (NUN) 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 on unserviceable items.

(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 and dispose at the level indicated in position 3. overhaul of end items. Source codes are entered in the first and second positions of the Uniform SMR Code format as follows:

Code Definition

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

XD—A support item that is not stocked. When required, item will be procured through normal supply channels.

NOTE

Cannibalization or salvage may be used as a source of supply for any items source coded above except those coded XA and aircraft support items as restricted by AR-700-42.

(2) Maintenance code. Maintenance codes are assigned to indicate the levels of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the Uniform SMR Code format as follows:

(a) The maintenance code entered in the third position will indicate the lowest maintenance level authorized to remove, replace, and use the support item. The maintenance code entered in the third position will indicate one of the following levels of maintenance:

Code Application/Explanation

O—Support item is removed, replaced, used at the organizational level.

(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 (e., all authorized maintenance functions). This position will contain one of the following maintenance codes

Code Application/Explanation

F—The lowest maintenance level capable of complete repair of the support item is the direct support level.

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

Z—Nonreparable. No repair is authorized.

(3) Recoverability code. Recoverability codes are assigned to support items to indicate the disposition action

The recoverability code is entered in the fifth position of the Uniform SMR Code format as follows:

Recoverability

Codes Definition

Z—Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3.

F—Reparable item. When uneconomically repairable, condemn and dispose at the direct support level.

H—Reparable item. When uneconomically repairable, condemn and dispose at the general support level.

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

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

NOTE

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

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

f. Description. Indicates the Federal item name and, if required, a minimum description to identify the item. *g. Unit of Measure (UIM).* 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/TPN-18 and its components: TM 11-5840-281-12, Radar Set AN/TPN-18

b. The illustrations in this manual are identical to those published in TM 11-5840-281-34P. 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.

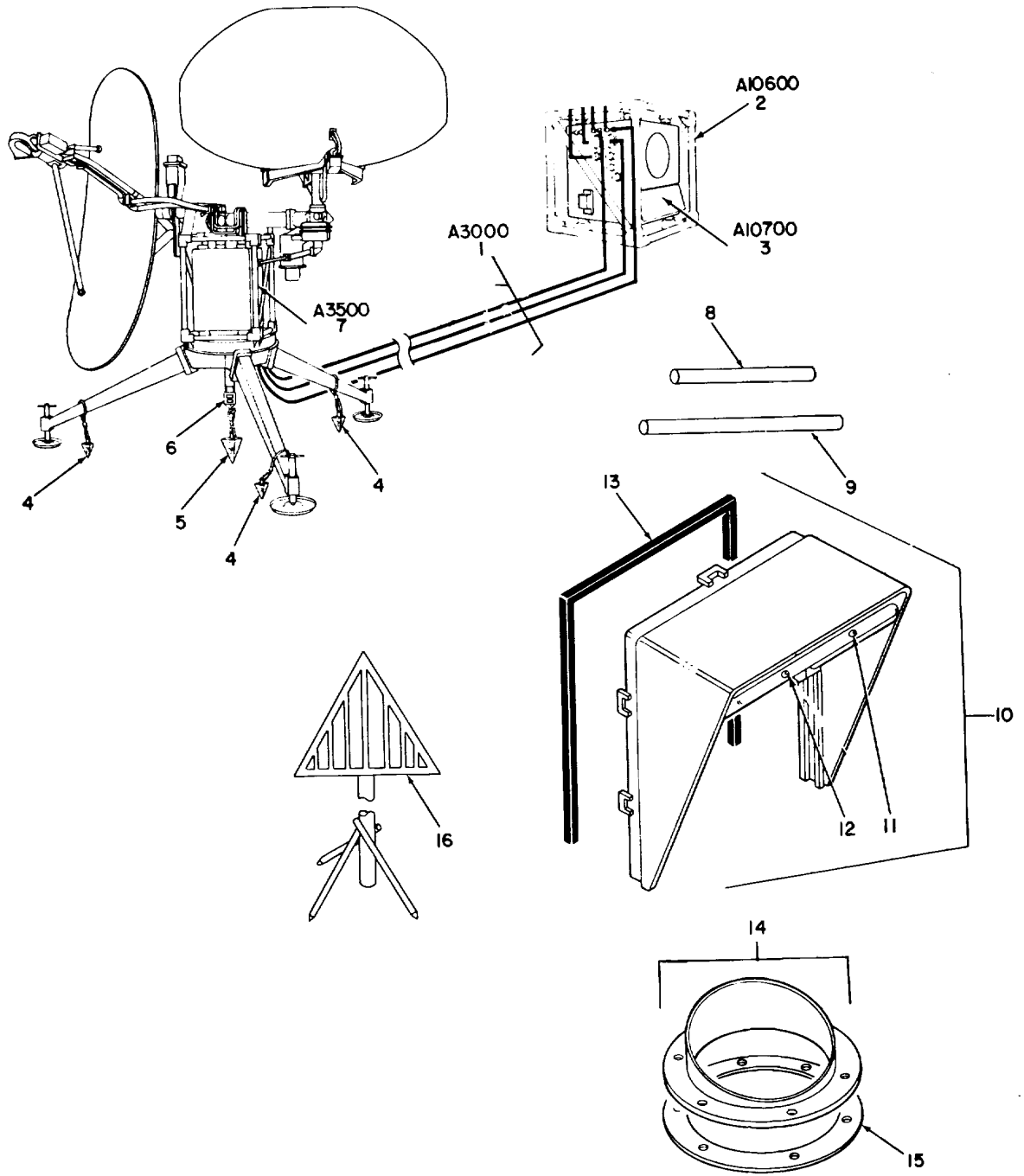
(1) *First.* Using the Index of National Stock Numbers and Part Numbers, find the pertinent National stock number or part number. This index is in NIIN sequence followed by a list of part numbers in alphameric sequence, cross-referenced to the illustration figure number and item number.

(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)



EL01N001

Figure 1. Radar Set AN/TPN-18.

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(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 O0 RADAR SET AN/TPN-18		
1	5	PAOZZ	4030-00-889-2364	G400054-2	24930	ANCHOR,GUY.....	EA	1
1	6	XDOZZ		3119151A030	7012B	STRAP,WEBBING.....	EA	1
1	7	XDOFF		180963-1	24930	RADAR SET GROUP.....	EA	1
1	8	PAOZZ	5340-00-066-4052	G500001-1	24930	ROD.....	EA	1
1	9	PAOZZ	5340-00-066-4192	GS500001-2	24930	ROD, STRAIGHT.....	EA	1
1	10	PAOFF	5840-00-433-2359	112449	24930	SHIELD RAIN INDICAT.....	EA	2
1	14	PAOZZ	5840-00-433-2358	103188	24930	DEFLECTOR,RAIN.....	EA	2
1	15	PAOZZ	5330-00-433-3754	116502	24930	GASKET.....	EA	1
1	16	XDOHH		100253	24930	SIMULATOR,RDR T.....	EA	3
					5/(6 blank)			

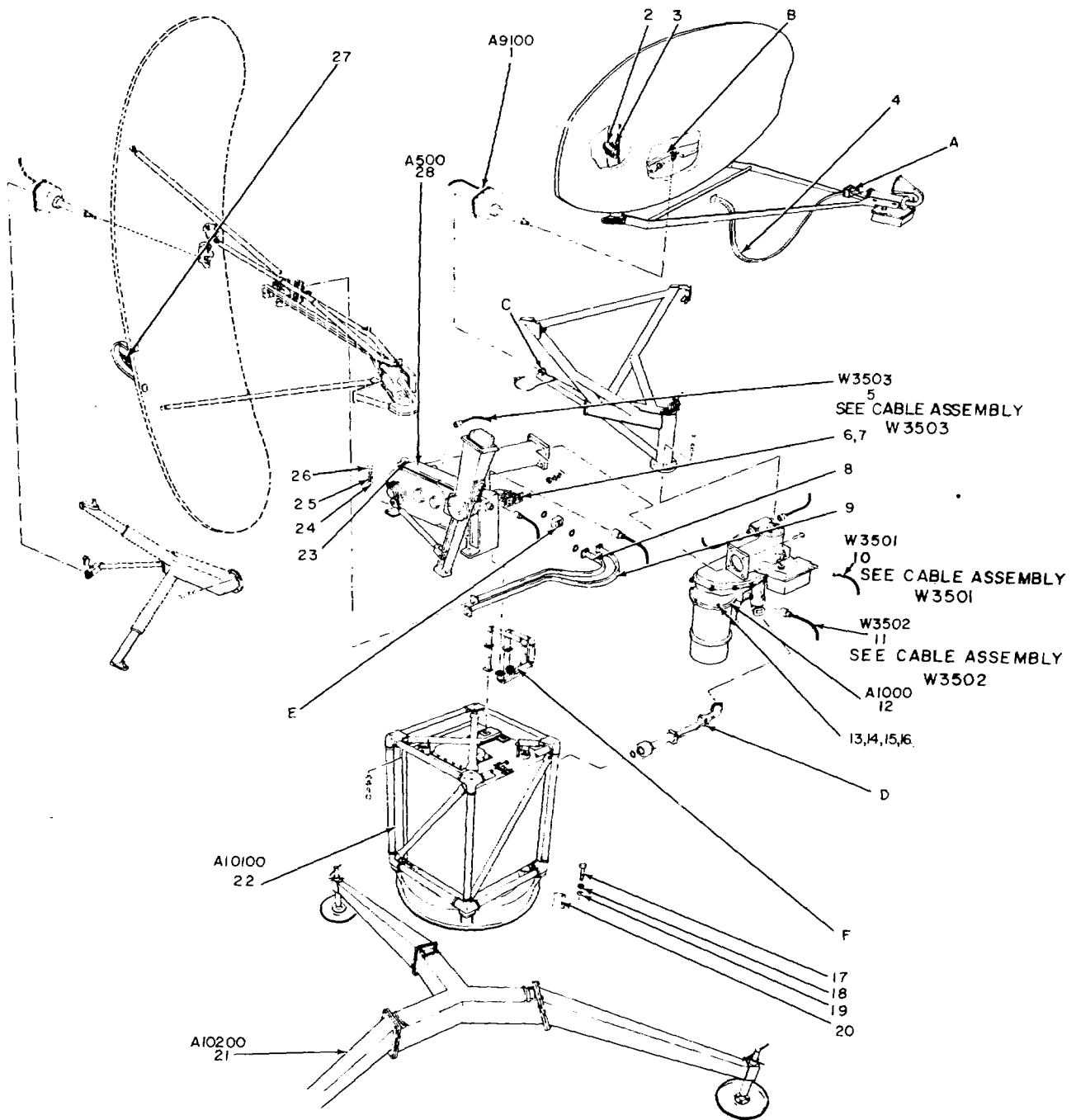
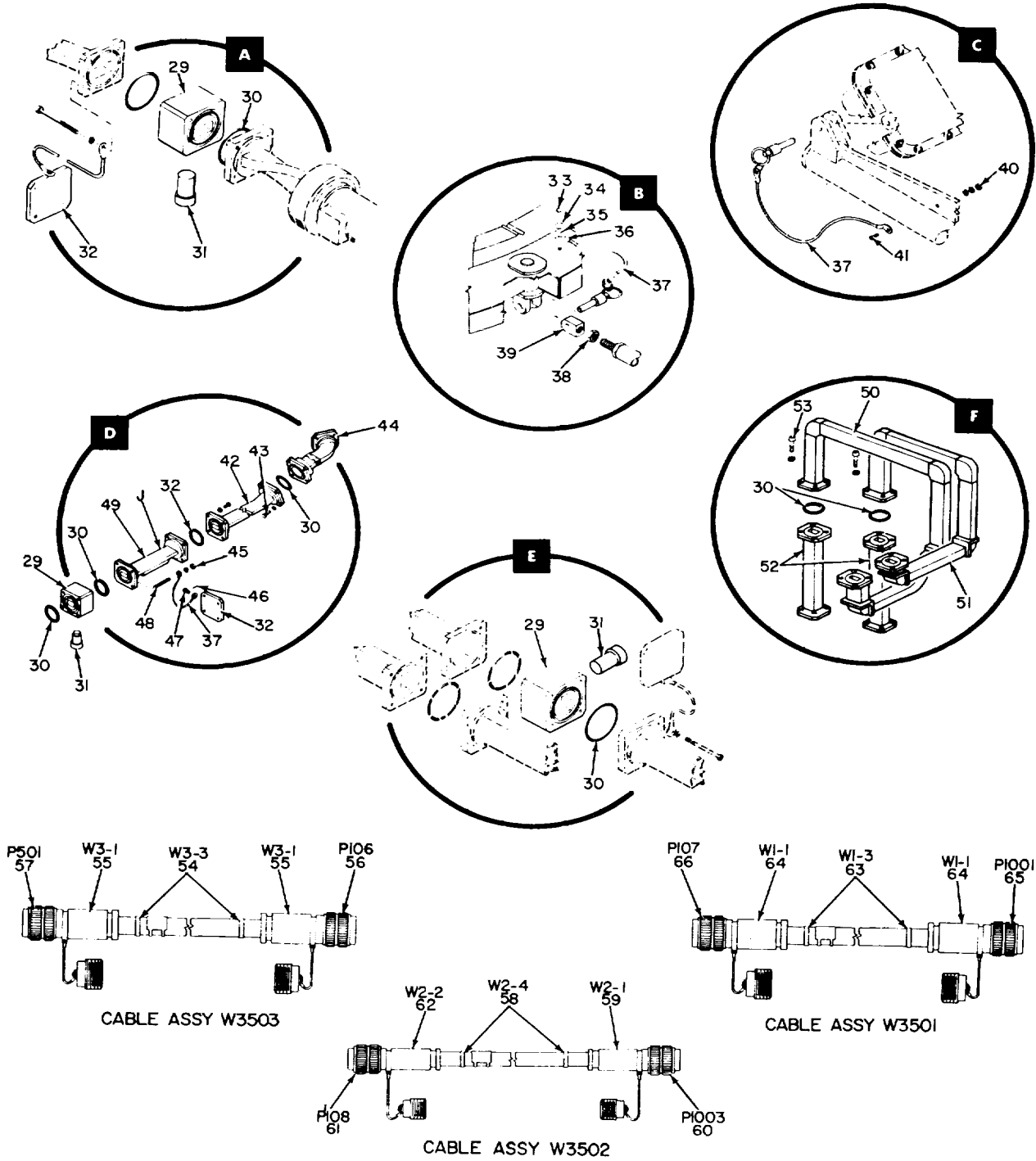


Figure 2. Radar Set Group (Sheet 1 of 2).

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Figure 2. Radar Set Group (Sheet 2 of 2).

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(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 01 RADAR SET GROUP		
2	4	PAOZZ	5840-00-191-9343	102824-1	24930	WAVEGUIDE.....	EA	1
2	5	XDOFF		103157-1	24930	CABLE ASSY,PR	EA	1
2	6	PAOZZ	5305-00-054-6680	NS51957-53	96906	SCREW,MACHINE	EA	8
2	7	PAOZZ	5310-00-933-8119	HS35338-137	96906	WASHERLOCK	EA	37
2	8	PAOZZ	5840-00-191-9341	102823-5	24930	WAVEGUIDE.....	EA	1
2	9	PAOZZ	5840-00-191-9342	102823-6	24930	WAVEGUIDE.....	EA	1
2	10	XDOFF		103155-1	24930	CABLE ASSYPR	EA	1
2	11	XDOFF		103156-1	24930	CABLE ASSY,SPCL	EA	1
2	12	PAOHH	5840-00-082-3728	TG113TPN8B	80058	DRIVE,AZIMUTH A.....	EA	1
2	13	PAOZZ	5310-00-939-2655	MS51972-2	96906	NUT.PLAIN.HEXAGON	EA	4
2	14	PAOZZ	5306-00-656-0193	MS35308-339	96906	BOLT,MACHINE	EA	4
2	15	PAOZZ	15310-00-625-5756	MS15795-812	96906	WASHERFLAT	EA	4
2	16	PAOZZ	5310-00-974-6623	MS35338-140	96906	WASHER,LOCK	EA	4
2	21	PAOHH	5840-00-078-5621	AB738TPNB	80058	PEDESTAL,ANTENN	EA	1
2	28	PAOHH	5840-0082-37271	TG114TPNB	80058	DRIVE.ELEVATION.....	EA	1
2	30	PAOZZ	5330-00-806-3197	MS90064-14	969061	PACKING,PERFORMED	EA	12
					9			

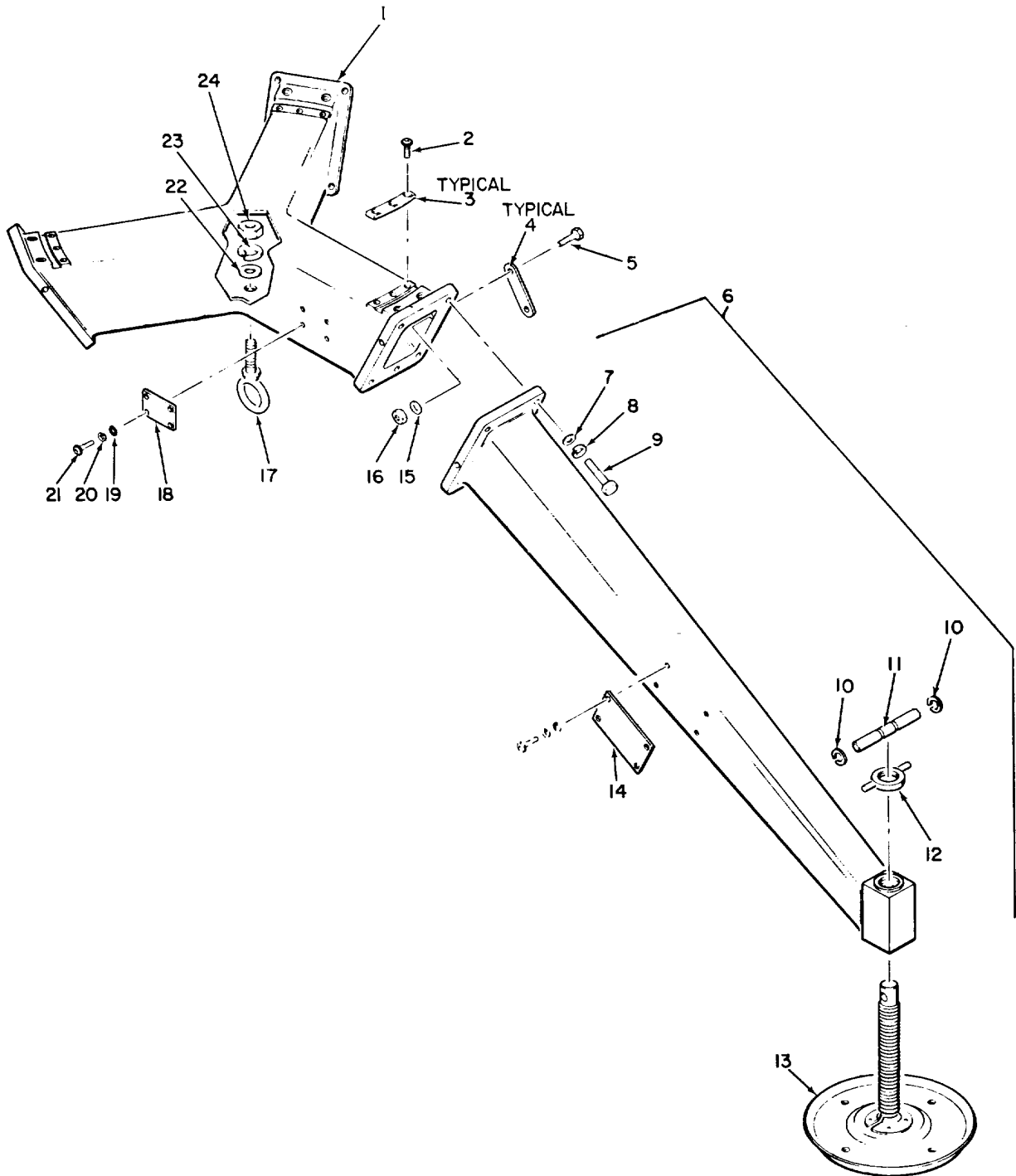
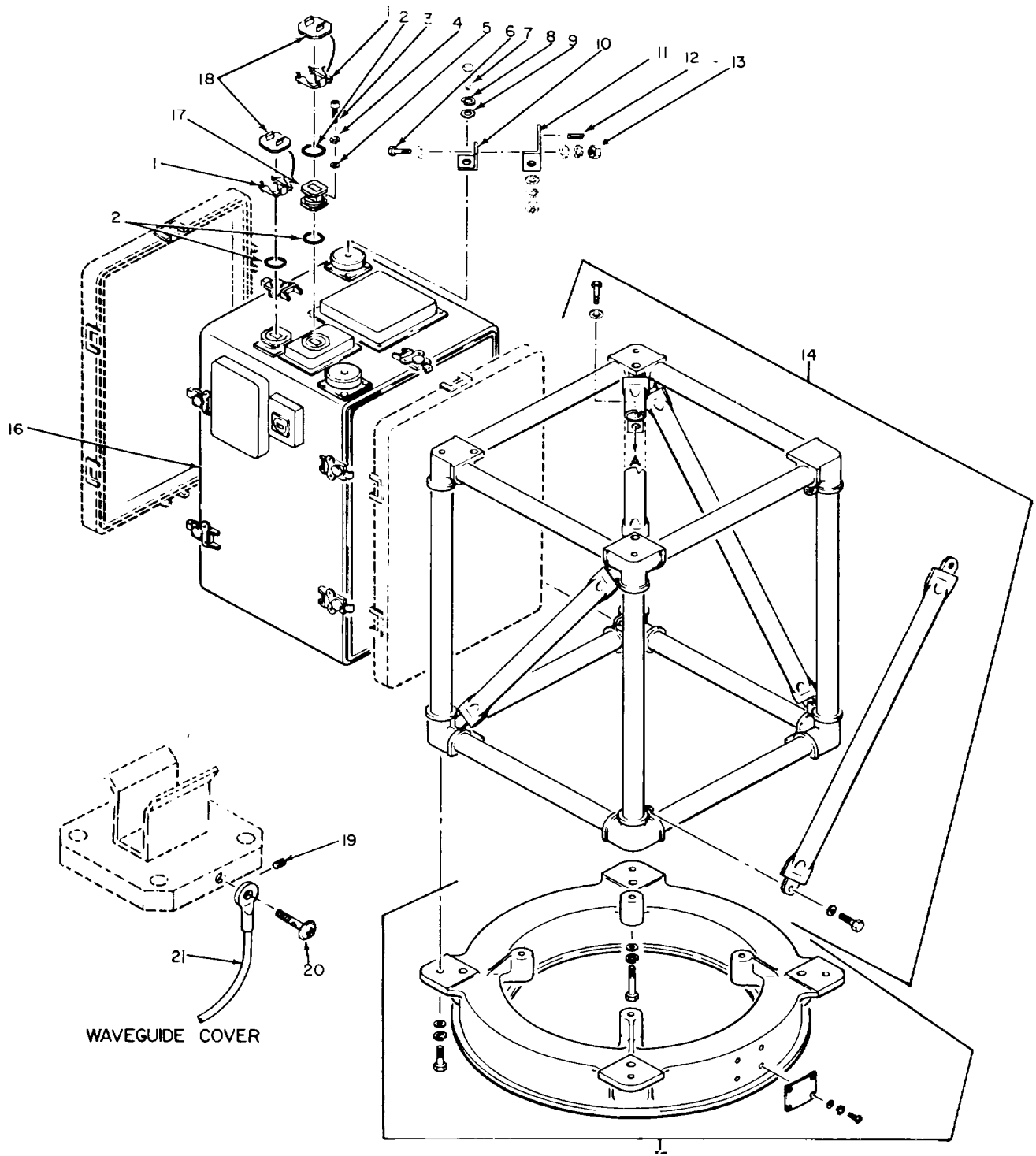


Figure 3. Pedestal, Antenna AB-738/TPN-8

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(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
3	6	XDOHH		00204	24931	GROUP 0106 PEDESTAL,ANTENNA AB-738/TPN-8 LEG ASSY.....	EA	3
					11			



RECEIVER-TRANSMITTER AND FRAME

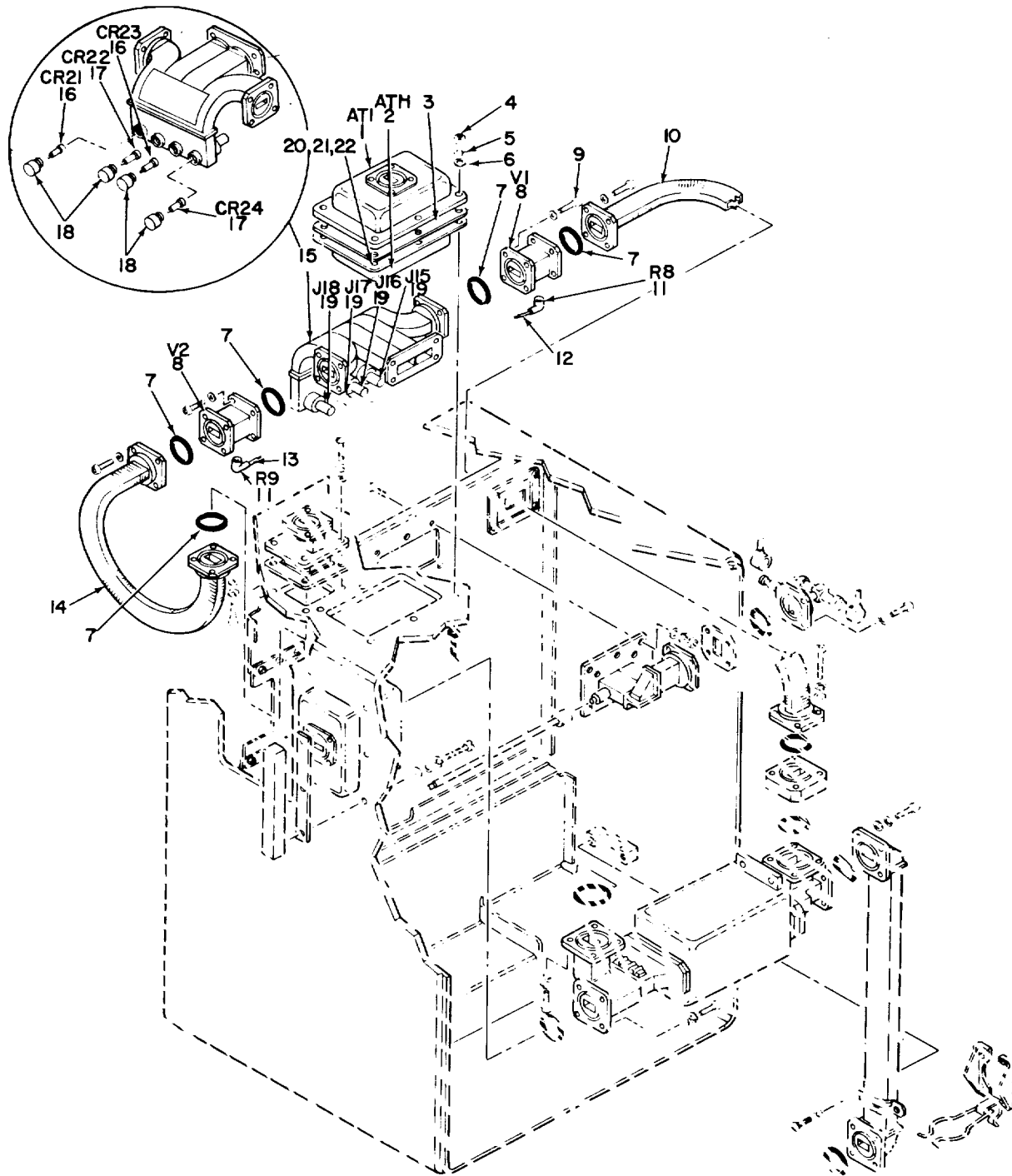
ELOINO32

Figure 4. Receiver-Transmitter Group.

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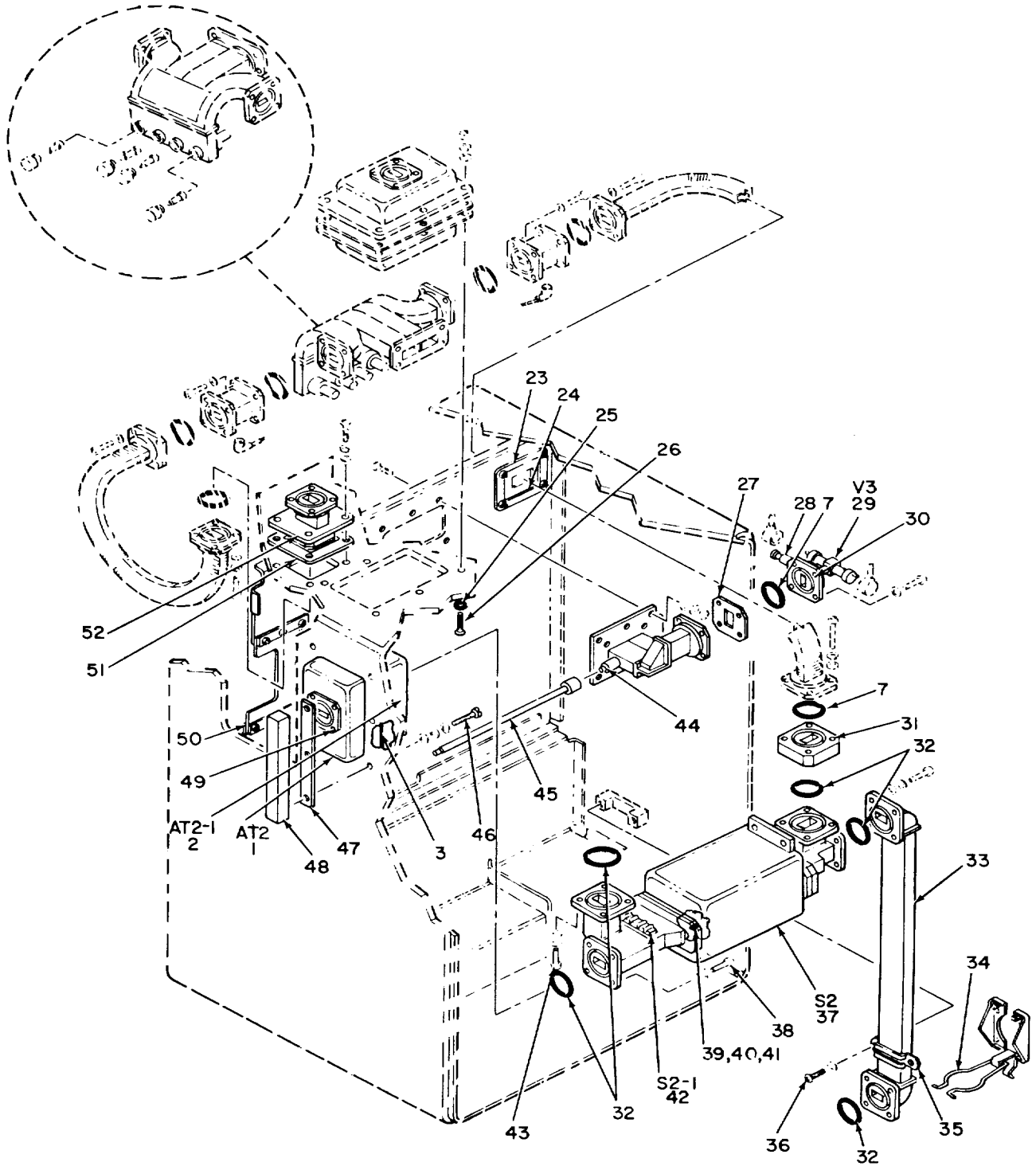
(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
4	16	PAOHH	5840-00-944-2454	RT818TPN18	80058	GROUP 0107 RECEIVER-TRANSMITTER GROUP RECEIVER-XR	EA	1
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UPPER EXPLODED PORTIONS OF CHASSIS

ELOTN 035

Figure 5. Receiver-Transmitter RT-818/TPN-18, Waveguide Layout (Sheet 1 of 2).



LOWER EXPLODED PORTIONS OF CHASSIS

Figure 5. Receiver-Transmitter RTR-818/TPN-18, Waveguide layout (Sheet 2 of 2)

ELOINO36

SECTION II

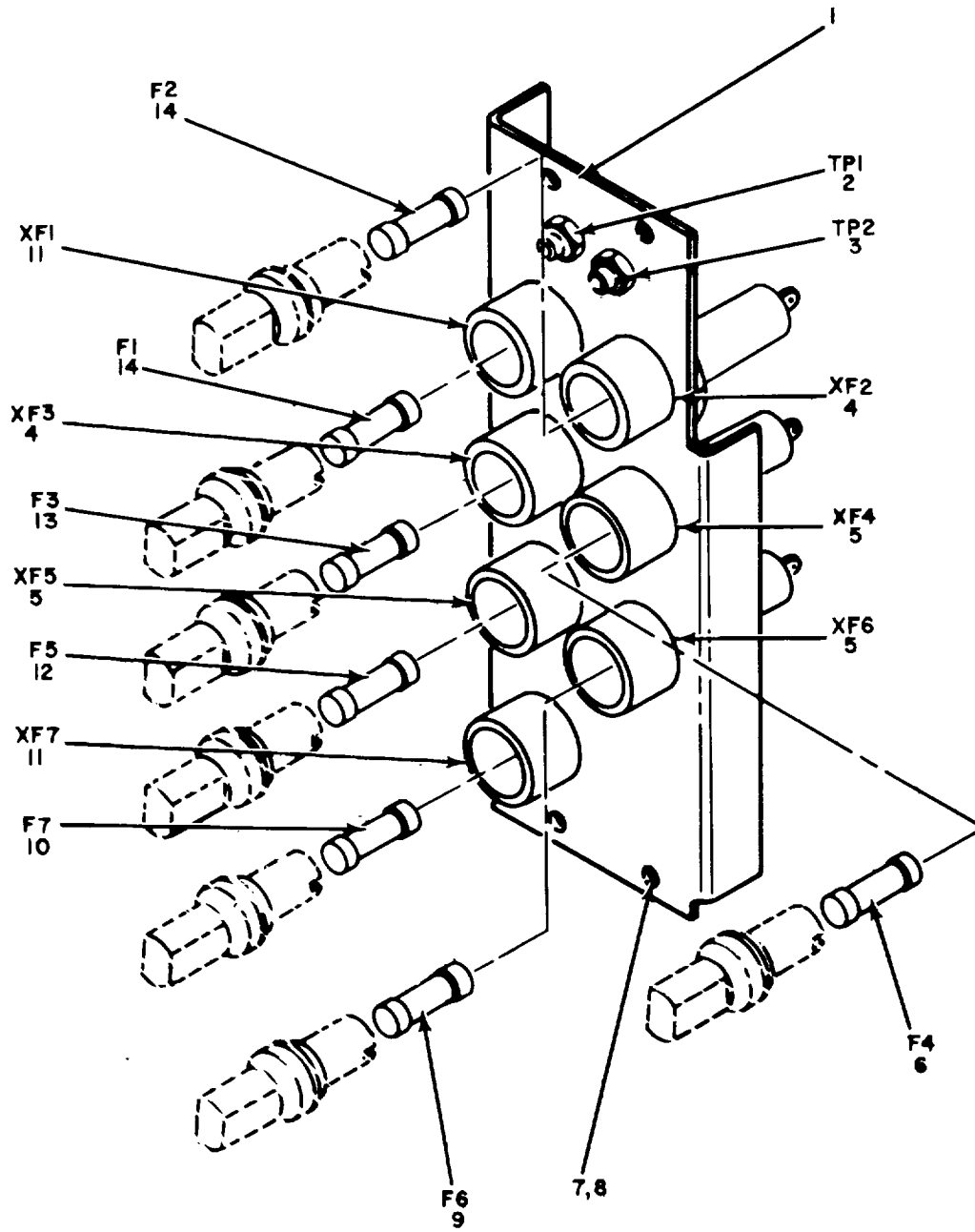
TM 11-5840-281-20P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 010701 RECEIVER-TRANSMITTER RT-818/TPN-18		
5	8	PAOZZ	5960-00-073-9277	102663	24930	ELECTRON TUBE.....	EA	2
5	29	PAOZZ	5960-00-754-9775	6975	81349	ELECTRON TUBE.....	EA	1
					17			

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(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
6	1	PAOZZ	6210-00-299-4557	900410-2900-301	72619	LIGHT,PANEL	EA	1
6	2	PAOZZ	6240-00-155-8714	MS25231-313	96906	LAMP,INCANDESCENT	EA	1
6	28	PAOZZ	5355-00-556-0151	MS91528-1028	96906	KNOB	EA	1
6	31	PAOZZ	5305-00-719-5330	MS51963-21	96906	SETSCREW	EA	1
6	32	PAOZZ	5355-00-571-0243	65727-2	24930	KNOB	EA	1
6	33	PAOZZ	5305-00-719-5338	MS51963-23	96906	SETSCREW	EA	1
					19			



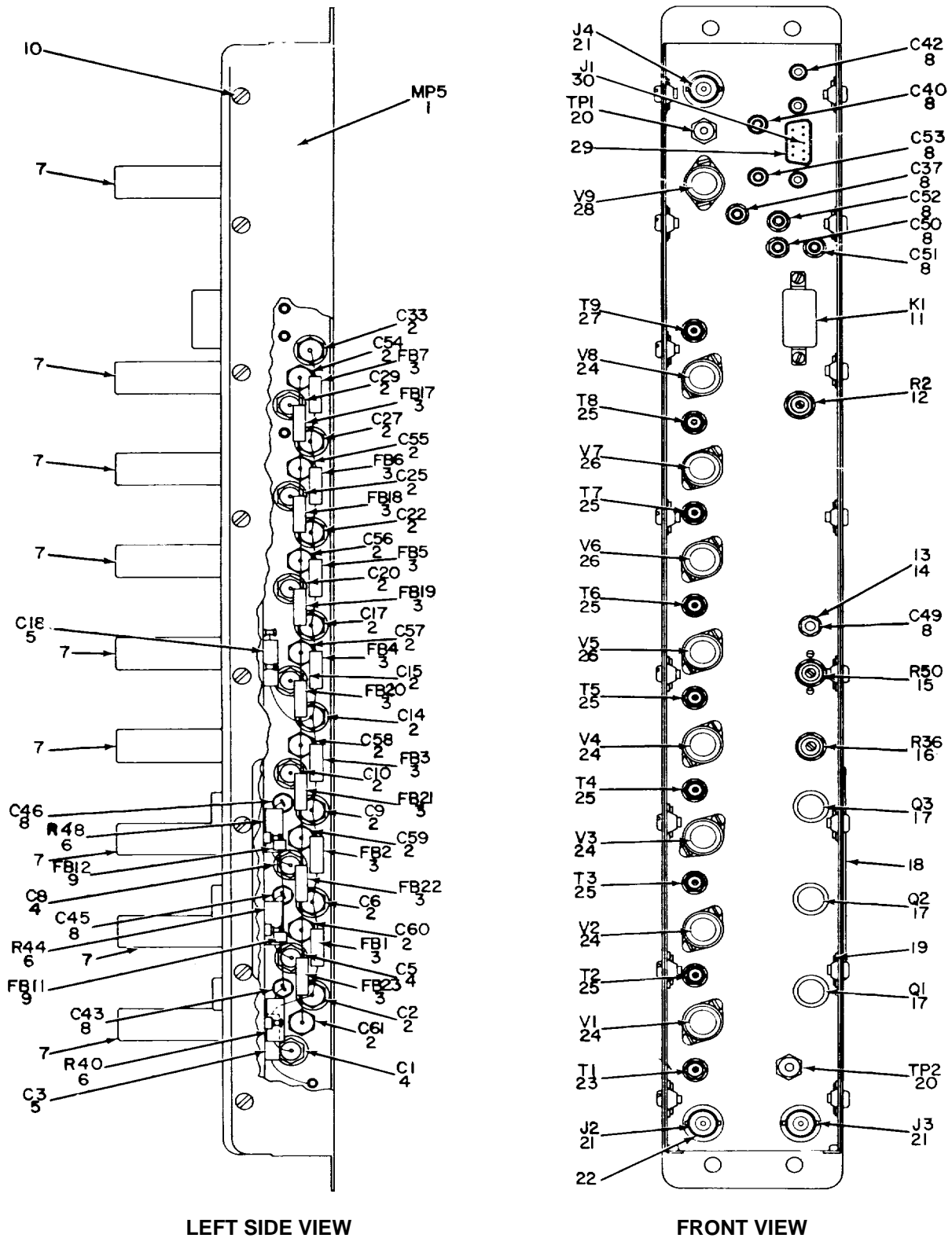
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Figure 7. Receiver-Transmitter RT-818/TPN-18, Fuse Grouping.

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(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
7	6	PAOZZ	5920-00-243-3787	F03A250V10AS	81349	FUSE, CARTRIDGE	EA	1
7	9	PAOZZ	5920-00-474-6125	F02A250V2AS	81349	FUSE, CARTRIDGE	EA	1
7	10	PAOZZ	5920-00-280-5031	F02A250V1-4AS	81349	FUSE, CARTRIDGE	EA	1
7	12	PAOZZ	5920-00-877-9934	F02A25V3AS	81349	FUSE, CARTRIDGE	EA	1
7	13	PAOZZ	5920-00-281-0224	FO2A250V1-2AS	81349	FUSE, CARTRIDGE	EA	1
7	14	PAOZZ	5920-00-850-6091	FO2B250V1AS	81349	FUSE, CARTRIDGE	EA	2
					21			



LEFT SIDE VIEW

FRONT VIEW

Figure 8. Amplifier, IF AM-3339/TPN-8

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SECTION II

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(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 01070101 AMPLIFIER, IF AN-3339/TPN-8		
8	24	PAOZZ	5960-00-615-9972	6206	81349	ELECTRON TUBE.....	EA	5
8	26	PA01O	5960-00-548-3072	6205	813491	ELECTRON TUBE.....	EA	3
8	28	PAOZZ	5960-00-262-0132	6111	81349	ELECTRON TUBE.....	EA	1
					23			

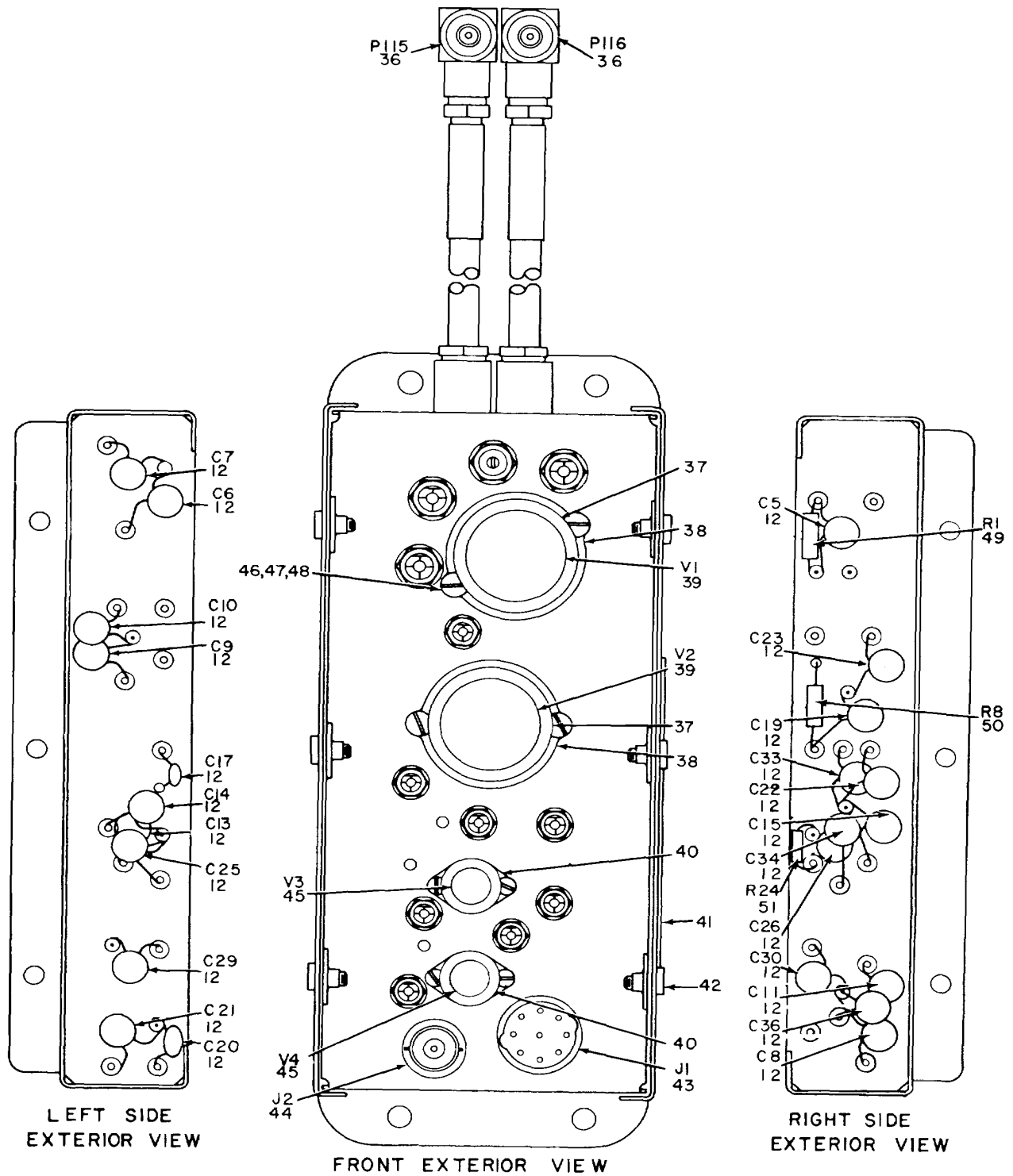
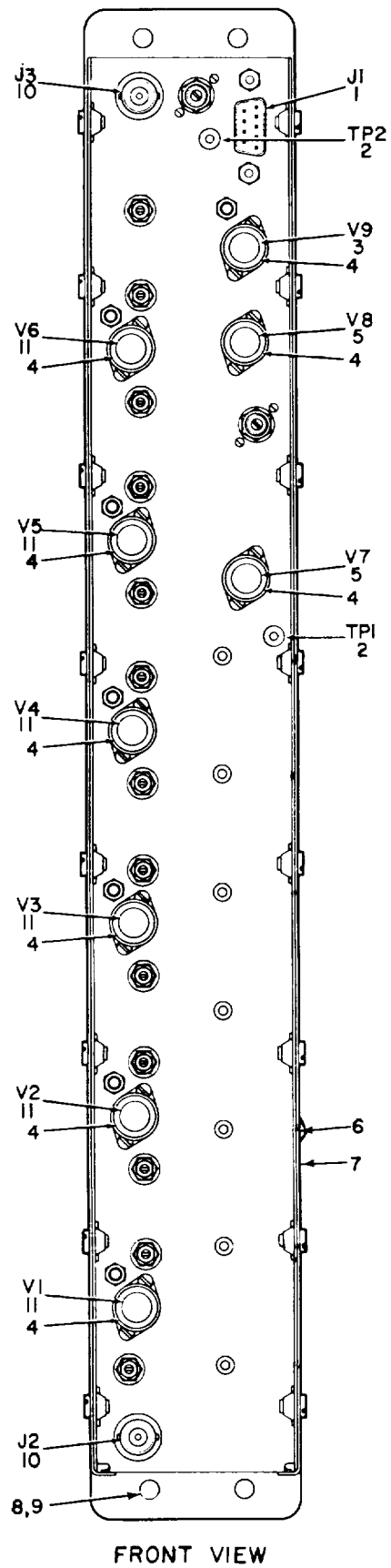


Figure 9. Amplifier, IF AM-3337/TPN-8.

SECTION II

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(1) ILLUSTRATION		(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.							
9	37	PAOZZ	5960-00-882-3563	MS22423-4	96906	GROUP 01070102 AMPLIFIER, IF AN-3337/TPNB8		
9	39	PAOZZ	5960-00-247-8748	5842	81349	SHIELD, ELECTRON TUB	EA	2
9	40	PAOZZ	5960-00-985-2783	T3-30381	98978	ELECTRON TUBE.....	EA	2
9	45	PAOZZ	5960-00-548-3072	6205	81349	SHIELD, ELECTRON TUB	EA	2
					25	ELECTRON TUBE.....	EA	2



FRONT VIEW

Figure 10. Amplifier, IF AM-3338/TPN-8.

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 01070104 AMPLIFIER, IF AM-3338/TPN-8		
10	3	PAOZZ	5960-00-261-8679	6021	81349	ELECTRON TUBE	EA	1
10	4	PAOZZ	5960-00-985-2783	T3-3031B	98978	SHIELD, ELECTRON TUB	EA	9
10	5	PAOZZ	5960-00-615-9972	6206	81349	ELECTRON TUBE	EA	2
11	11	PAOZZ	5960-00-548-3072	6205	81349	ELECTRON TUBE	EA	6
27/(28 blank)								

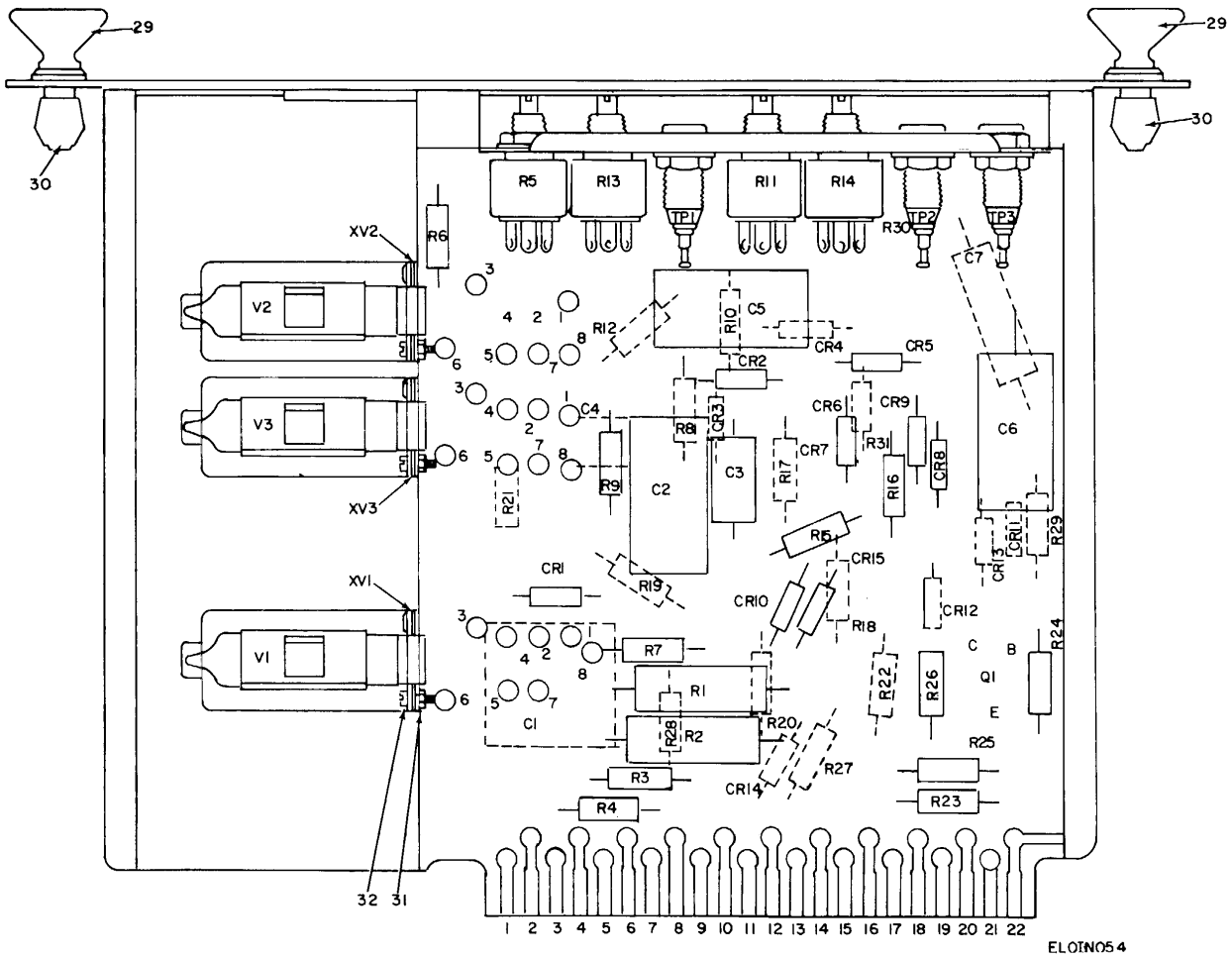


Figure 11. Control, Sensitivity Time (Sheet 1 of 2).

REF DES	ITEM NO	REF DES	ITEM NO	REF DES	ITEM NO	REF DES	ITEM NO
C1	1	CR10	7	R10	18	R26	14
C2	2	CR11	7	R11	19	R27	13
C3	3	CR12	8	R12	13	R28	14
C4	4	CR13	7	R13	20	R29	14
C5	2	CR14	9	R14	20	R30	17
C6	2	CR15	7	R15	21	R31	17
C7	5	Q1	10	R16	21	TP1	26
CR1	6	R1	11	R17	17	TP2	26
CR2	7	R2	12	R18	17	TP3	26
CR3	8	R3	13	R19	22	V1	27
CR4	8	R4	14	R20	14	V2	27
CR5	8	R5	15	R21	22	V3	27
CR6	7	RS	16	R22	14	XV1	28
CR7	8	R7	14	R23	23	XV2	28
CR8	7	R8	17	R24	24	XV3	28
CR9	8	R9	13	R25	25		

ELOIN055

Figure 11. Control, Sensitivity Time (Sheet 2 of 2).

SECTION II

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(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
11	27	PAOZZ	5960-00-261-8679	6021	81349	GROUP 01070107 CONTROL, SENSITIVITY TIME ELECTRON TUBE.....	EA	3

31/(32 blank)

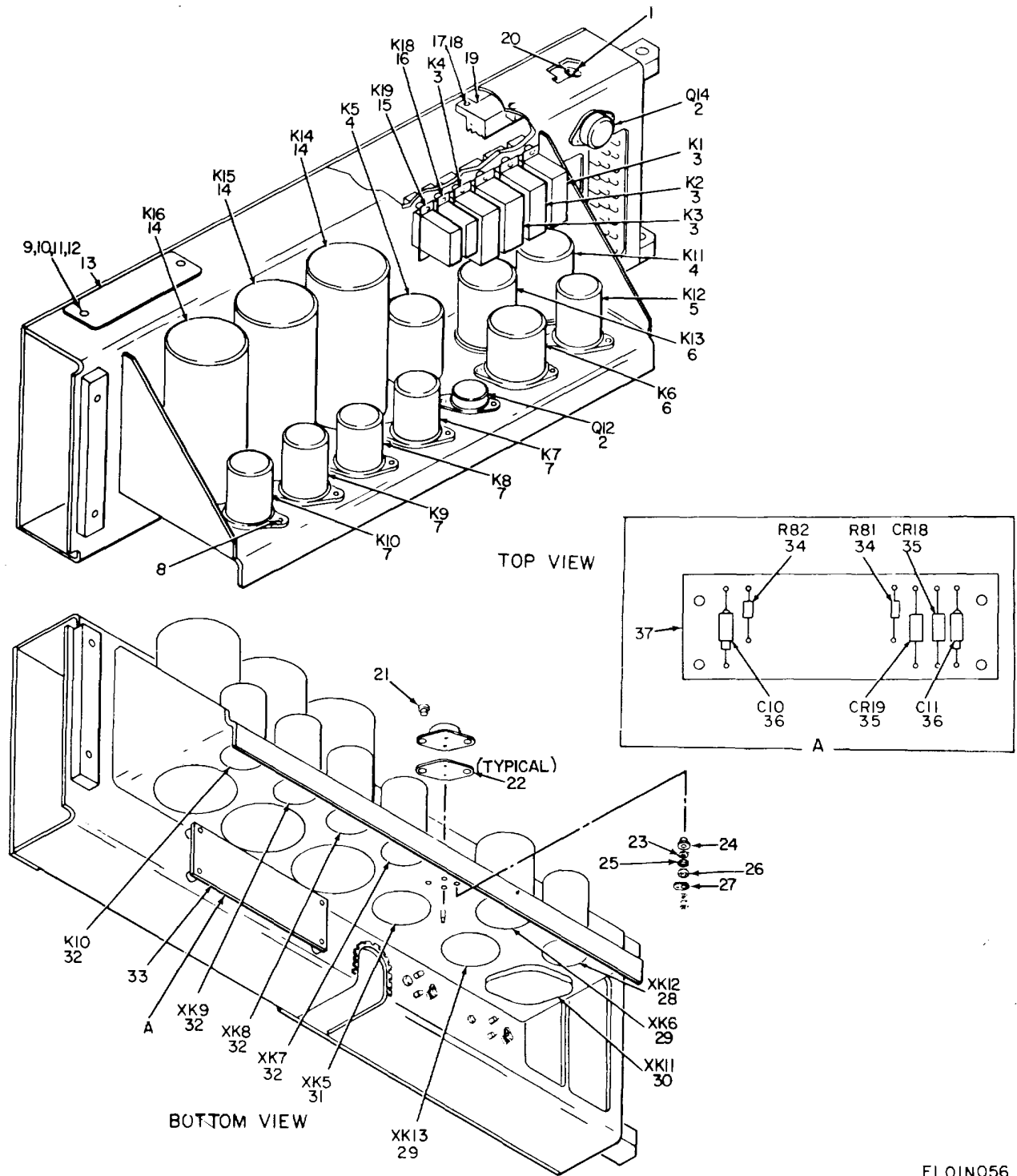
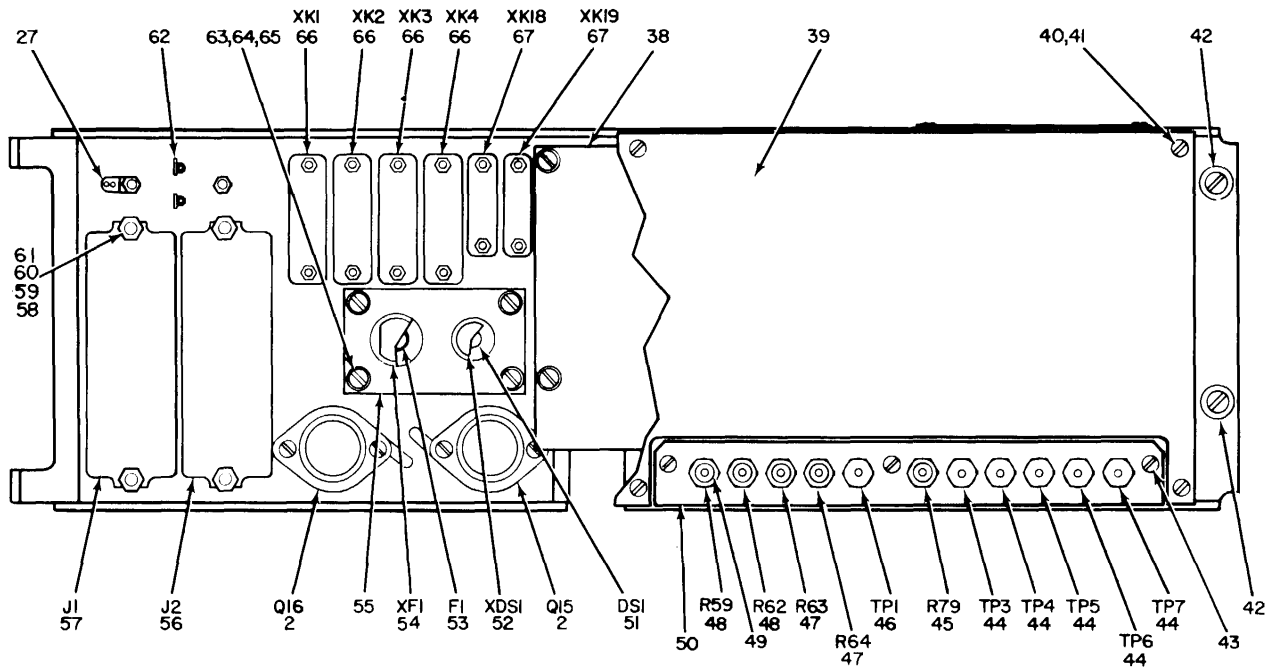


Figure 12. Control, Remote Switching C-6989/TPN-18 (Sheet 1 of 2).



INTERIOR VIEW

Figure 12. Control, Remote Switching C-6989/TPN-18 (sheet 2 of 2).

SECTION II

TM 11-5749-281-20P

(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
						GROUP 01070108 CONTROL, REMOTE SWITCHING C-6989/TPN-18		
12	3	PAOZZ	5945-00-781-7899	G370063S1	24930	RELAY, ARMATURE	EA	4
12	4	PAOZZ	5945-00-937-1827	G370060S1	24930	RELAY, ARMATURE	EA	2
12	5	PAOZZ	5945-00-782-7921	G370061S2	24930	RELAY, ARMATURE	EA	1
12	6	PAOZZ	5945-00-824-1526	G370009S1	24930	RELY, ARMATURE	EA	2
12	7	PAOZZ	5945-00-838-1330	G370059S1	24930	RELAY, ARMATURE	EA	4
12	14	PAOZZ	5945-0-827-7203	G370005S1	24930	RELAY, ARMATURE	EA	3
12	15	PAOZZ	5945-00-824-1525	G370057S1	24930	RELAY, ARMATURE	EA	1
12	16	PAOZZ	5945-00-043-0415	G370058S1	24930	RELAY, ARMATURE	EA	1
12	51	PAOZZ	6240-00-763-7744	MS18209-387	96906	LAMP, INCANDESCENCE	EA	1
12	53	PAOZZ	5920-00-284-7466	MDX4	71400	FUSE, CARTRIDGE	EA	1

35/(36 blank)

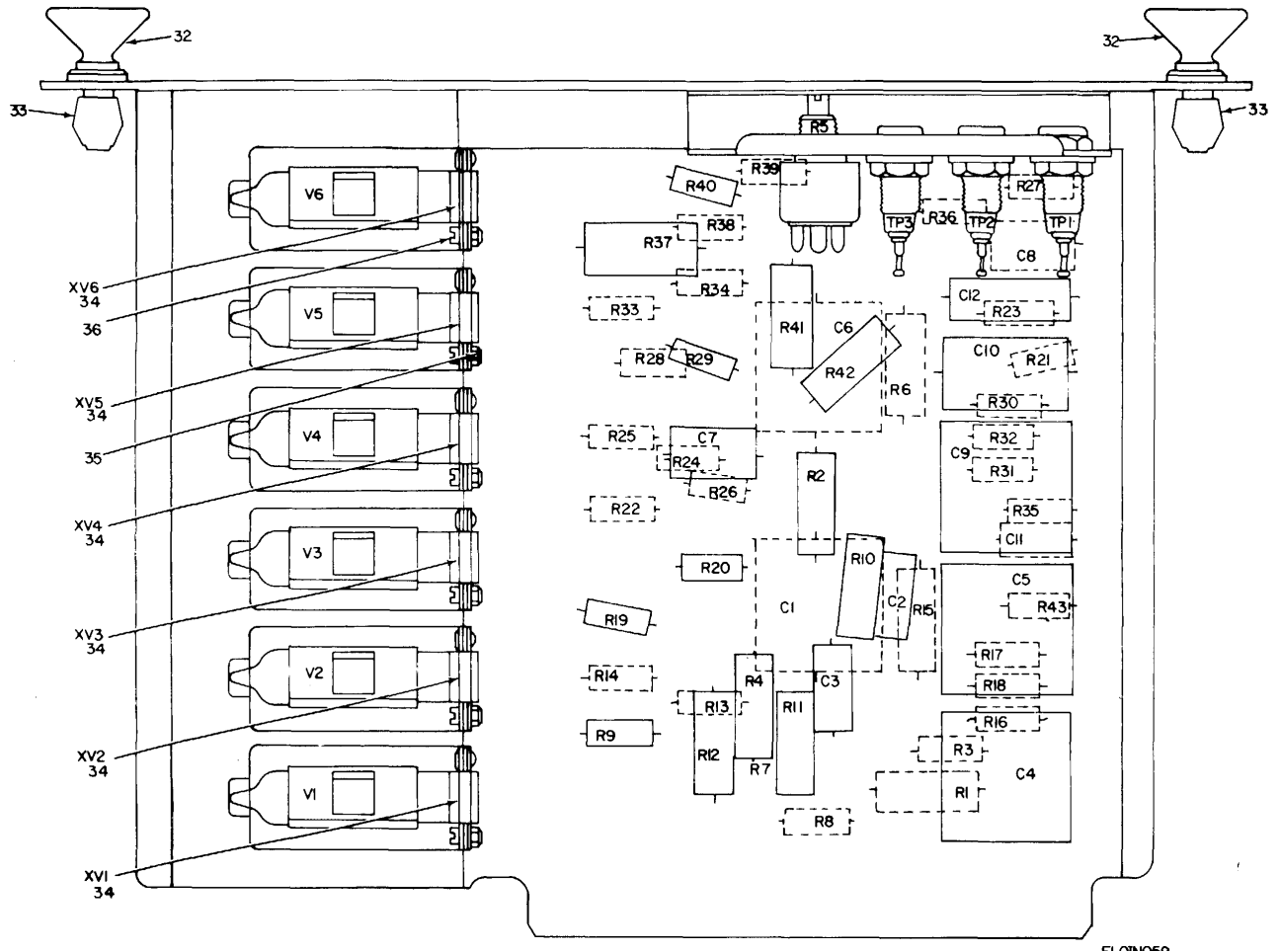


Figure 13. Filter, Electronic (Sheet 1 of 2).

REF. DES.	ITEM NO		REF DES	ITEM. NO.		REF. DES.	ITEM NO.		REF. DES.	ITEM NO.		REF. DES.	ITEM NO.
C1	1		R2	8		R15	15		R28	14		R41	21
C2	2		R3	9		R16	18		R29	16		R42	26
C3	2		R4	10		R17	19		R30	19		R43	27
C4	3		R5	11		R18	20		R31	18		TP1	28
C5	4		R6	12		R19	21		R32	20		TP2	29
C6	1		R7	10		R20	9		R33	21		TP3	29
C7	2		R8	13		R21	22		R34	9		V1	30
C8	5		R9	14		R22	22		R35	22		V2	30
C9	3		R10	8		R23	9		R36	23		V3	30
C10	6		R11	8		R24	16		R37	24		V4	30
C11	5		R12	15		R25	17		R38	25		V5	30
C12	7		R13	16		R26	9		R39	23		V6	31
R1	8		R14	17		R27	9		R40	25			

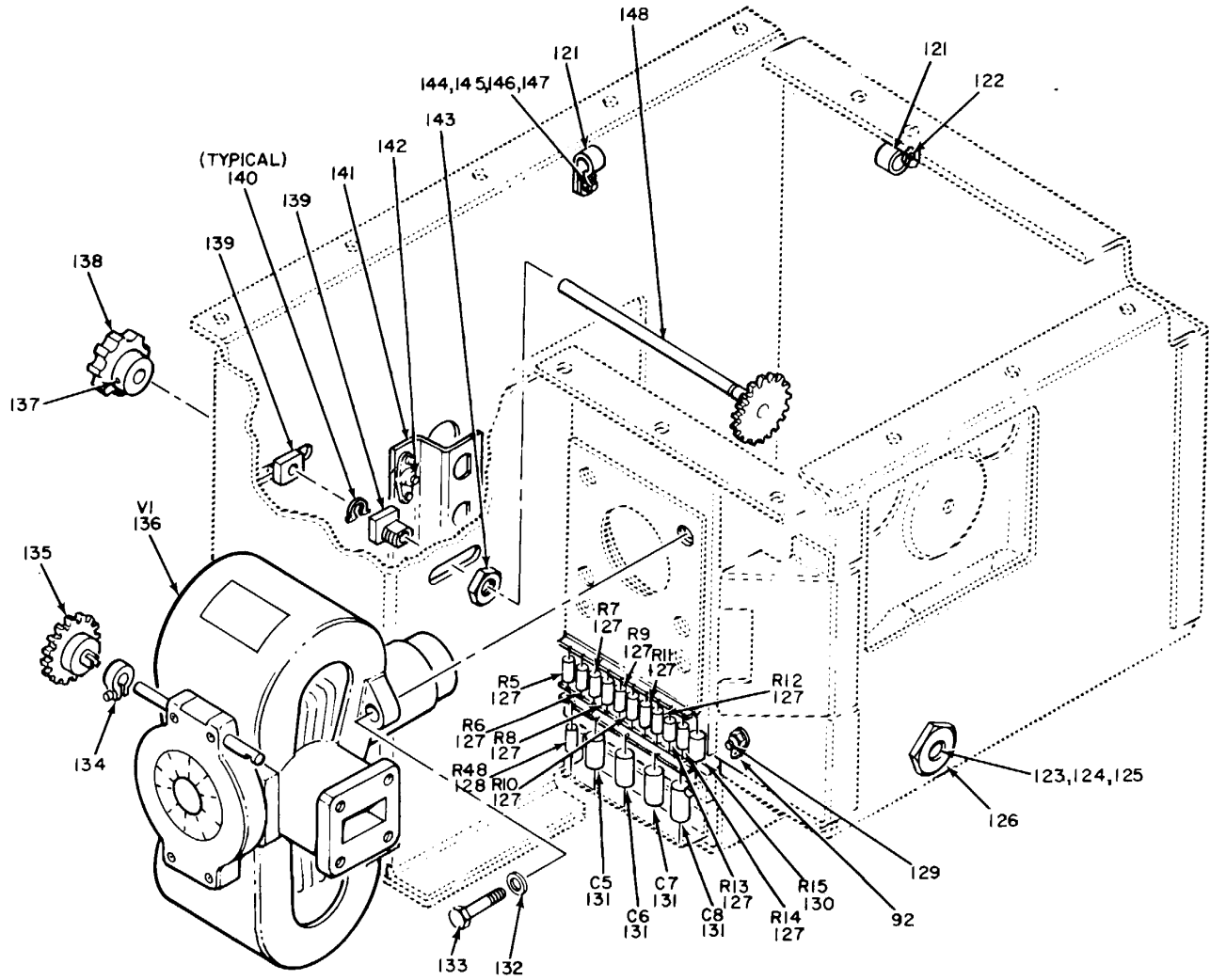
Figure 13. Filter, Electronic (Sheet 2 of 2).

ELOIN 060

SECTION II

TM 11-5749-281-20P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
13	30	PAOZZ	5960-00-280-5585	6112	81349	GROUP 01070109 FILTER, ELECTRONIC		
13	31	PAOZZ	5960-00-262-0132	6111	81349	ELECTRON TUBE.....	EA	5
						ELECTRON TUBE.....	EA	1
39/(40 blank)								



REAR VIEW MISC. DETAIL
 Figure 14. Transmitter, Radar (Sheet 2 of 2)
 42

SECTION II

TM 11-5749-281-20P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 01070114 TRANSMITTER, RADAR		
14	72	PAOZZ	5920-00-384-7466	MDX4	71400	FUSE, CARTRIDGE	EA	3
14	136	PAOZZ	5960-00-899-4077	7006	81349	ELECTRON TUBE.....	EA	1
14	137	PAOZZ	5305-00-719-5352	MS51963-34	96906	SETSCREW	EA	1
14	138	PAOZZ	5355-00-619-3837	MS91528-3N2B	96906	KNOB	EA	1
					43			

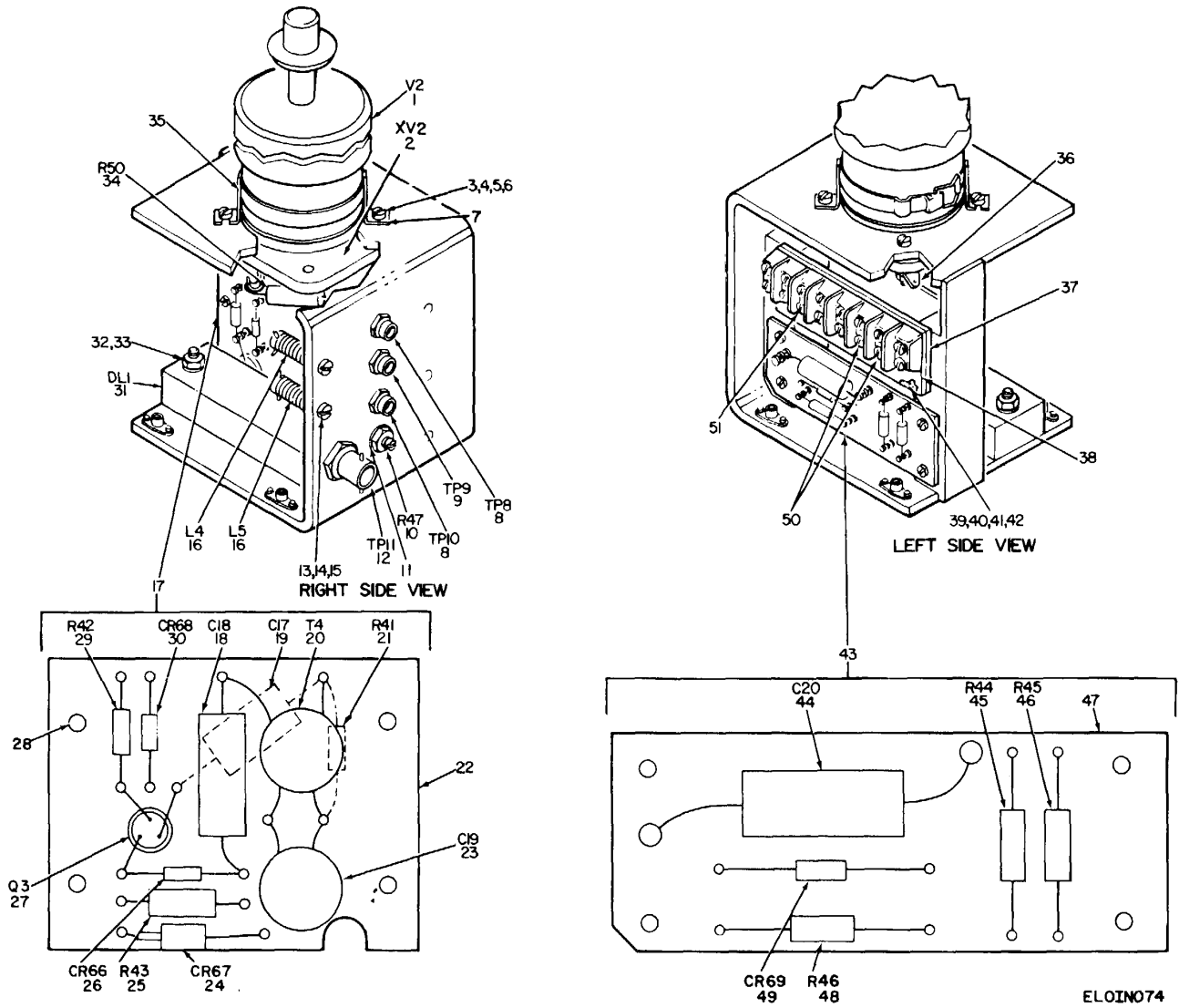
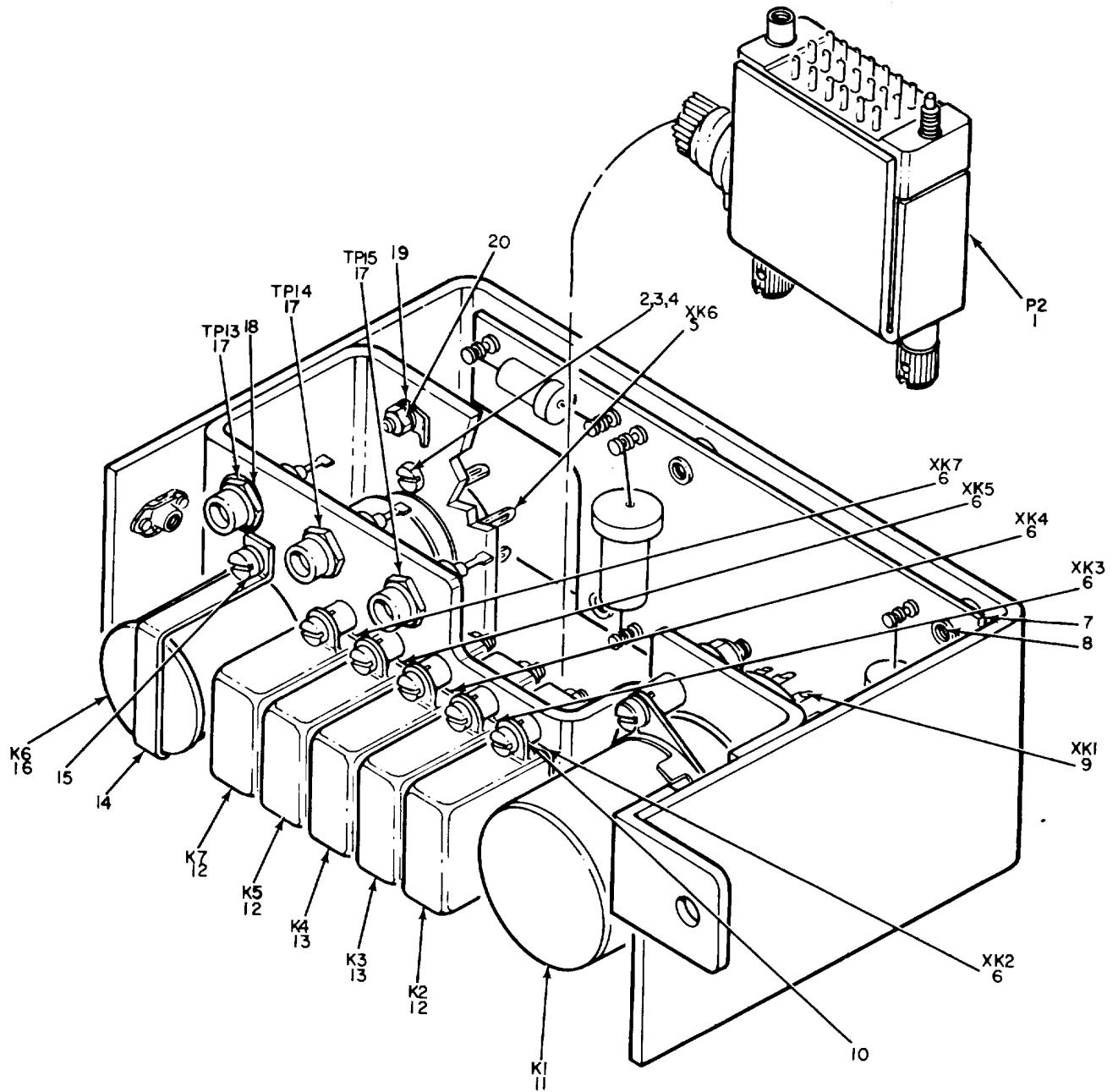


Figure 15. Transmitter, Radar, Transmitter Subassembly (MP58).

SECTION II

TM 11-5749-281-20P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
15	1	PAOZZ	5960-00-836-6504	8613	81349	ELECTRON TUBE.....	EA	1
					45			



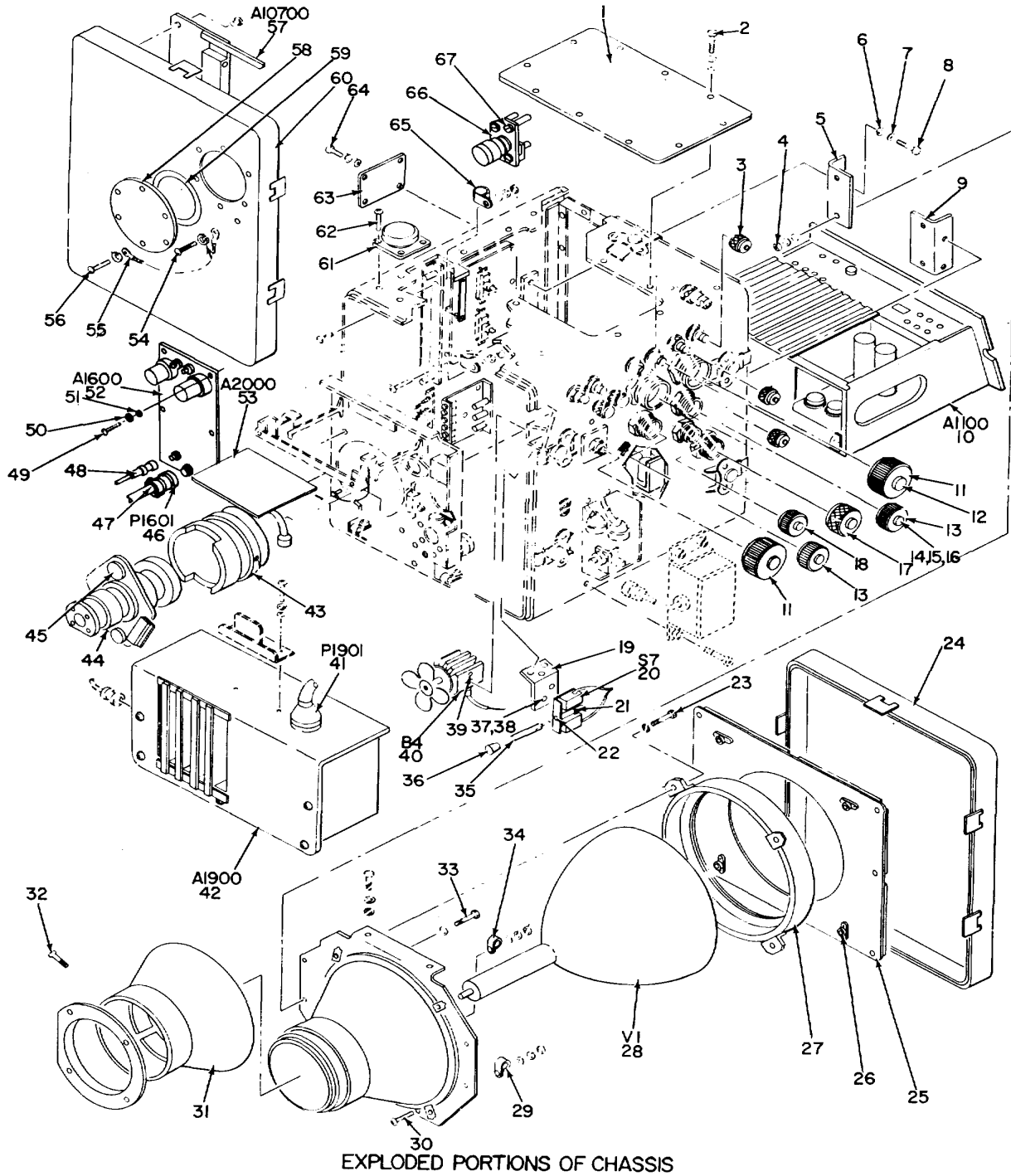
ELOIN075

Figure 16. Transmitter, Radar, Transmitter Subassembly (MP70)

SECTION II

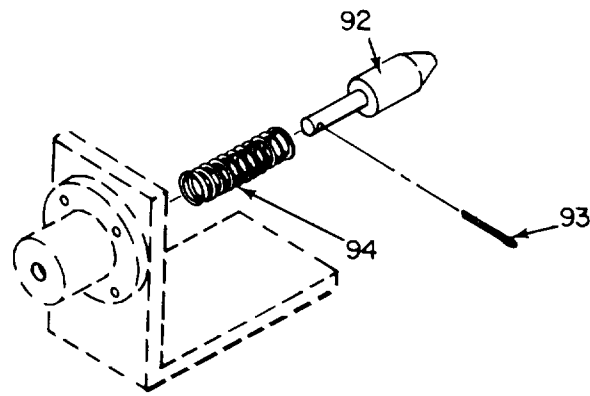
TM 11-5749-281-20P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
16	11	XDOZZ		G370000S1	24930	RELAY, ARMATURE	EA	1
16	12	PAOZZ	5945-00-824-1525	G370057S1	24930	RELAY, ARMATURE	EA	3
16	13	PAOZZ	5945-00-043-0415	G370058S1	24930	RELAY, ARMATURE	EA	2
16	16	PAOZZ	5945 00-542-7021	G370006S1	24930	RELAY, THERMAL	EA	1
47/(48 blank)								

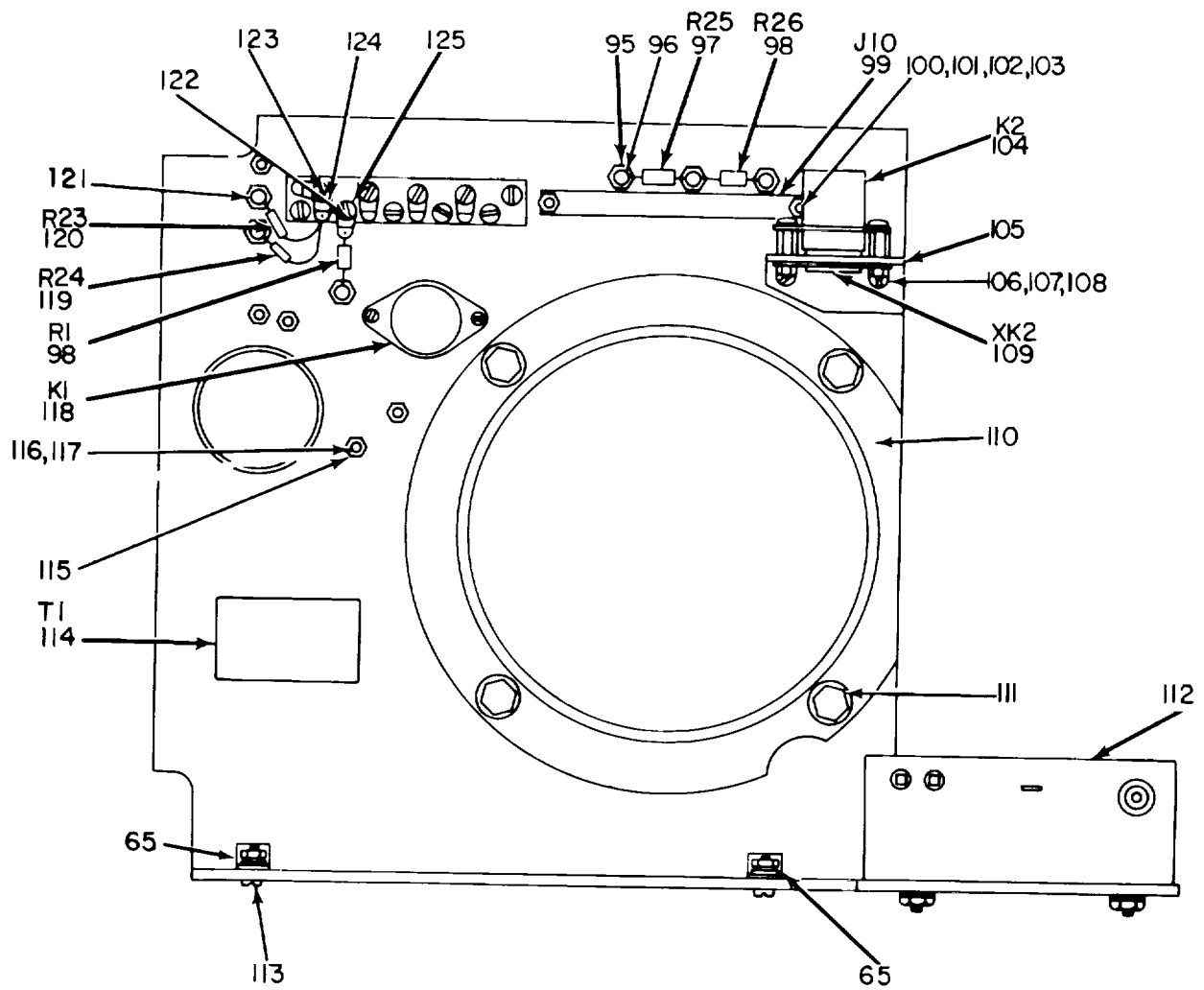


ELOIN081

Figure 17. Control Indicator C-6988/TPN-18 (Sheet 1 of 2).



GUIDE PIN



INTERNAL FRONT VIEW

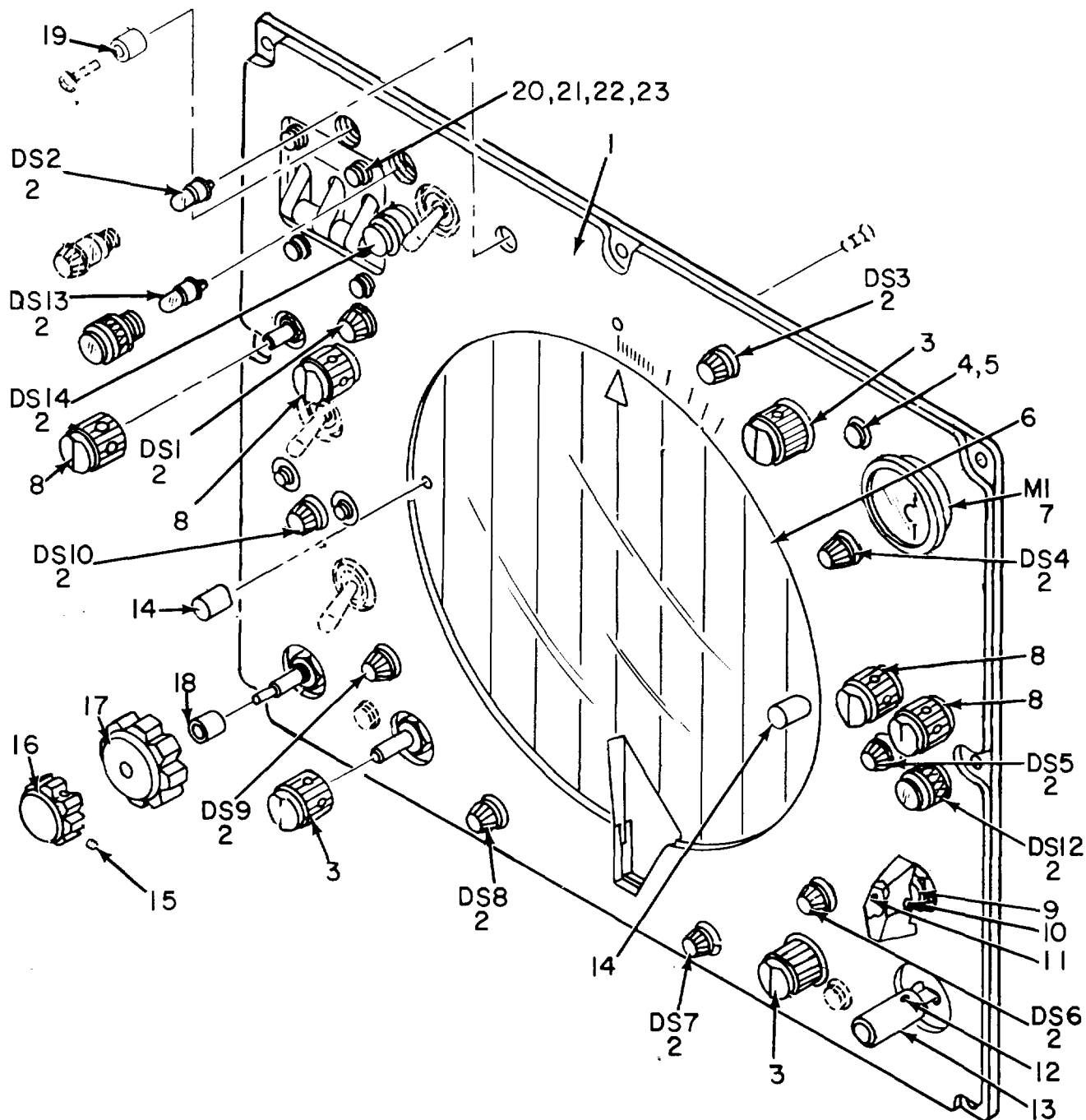
ELOIN083

Figure 17. Control Indicator C-6988/TPN-18 (Sheet 2 of 2).

SECTION II

TM 11-5840-281-20P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	NATIONAL SMR CODE	STOCK NUMBER	DESCRIPTION QTY PART NUMBER UNIT	FSCM	INC USABLE ON CODE	U/M	IN
						GROUP 0201 CONTROL INDICATOR C-6988/TPN-18		
17	10	XDOHH	01333TPN18	8005S		GENERATOR PULSE	EA	1
17	28	XDOZZ	10VPGIB119475	24930		ELECTRON TUBE	EA	1
17	104	PAOZZ	5945-00-492-4431	G370061S1	24930	RELAY, ARMATUE.....	EA	1
17	118	PAOZZ	5945-00-824-1526	G370009S1	24930	RELAY, ARMATURE	EA	1
51/(52 BLANK)								



FRONT VIEW

ELOIN084

Figure 18. Control Indicator C-6988/TPN-18 Panel Assembly.
(Sheet 1 of 2).

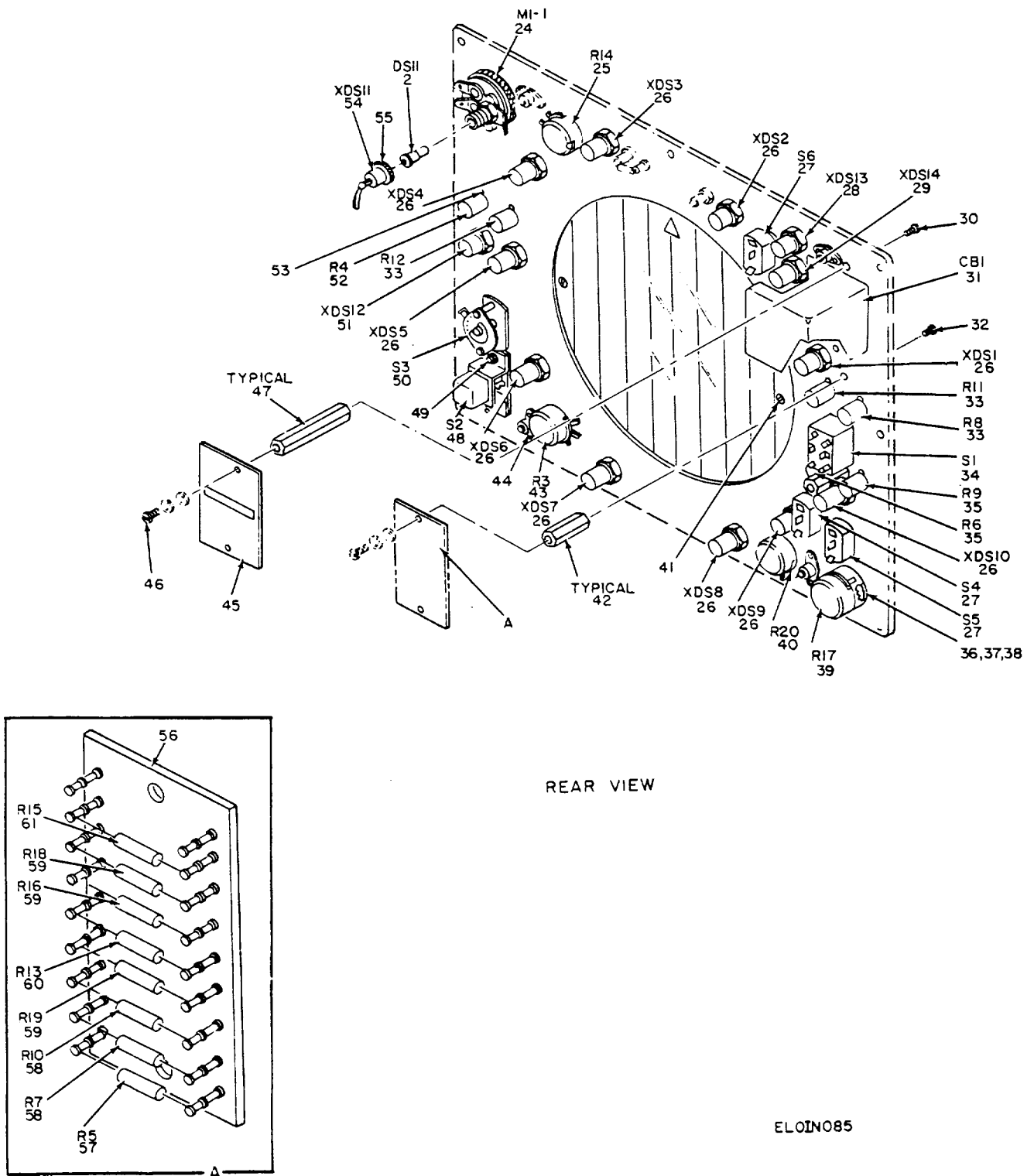


Figure 18. Control Indicator C-6988/TPN-18 Panel Assembly
(Sheet 2 of 2).

SECTION II

TM 11-5840-281-20P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	NATIONAL SMR CODE	STOCK NUMBER	DESCRIPTION QTY PART NUMBER UNIT	FSCM	INC USABLE ON CODE	U/M	IN
18	2	PAOZZ	6240-00-763-7744	MS 18209-3B7	96906	LAMP, INCANDESCENCE.....	EA	14
18	3	PAOZZ	5355-00-543-0789	MS91528-1N2B	96906	KNOB	EA	3
18	8	PAOZZ	5355-00-559-8942	M591528-1N1B	96906	KNOB	EA	4
18	9	PAOZZ	5355-00-571-0243	65727-2	24930	KNOB	EA	1
18	10	PAOZZ	5305-00-719-5329	MS51963-20	96906	SETSCREW	EA	1
18	11	PAOZZ	5305-00-719-5338	MS51963-23	96906	SETSCREW	EA	1
18	12	PAOZZ	5305-00-719-5336	MS51017-33	96906	SETSCREW	EA	2
18	13	PAOZZ	5355-00-057-7988	102986	24930	3KNOB	EA	1
18	15	PAOZZ	5305-00-719-5346	AN565D08H4	88044	SETSCREW	EA	2
18	16	PAOZZ	5355-00-543-0818	71783	24930	KNOB	EA	1
18	17	XDOZZ	102782	24930	KNOB	EA	1

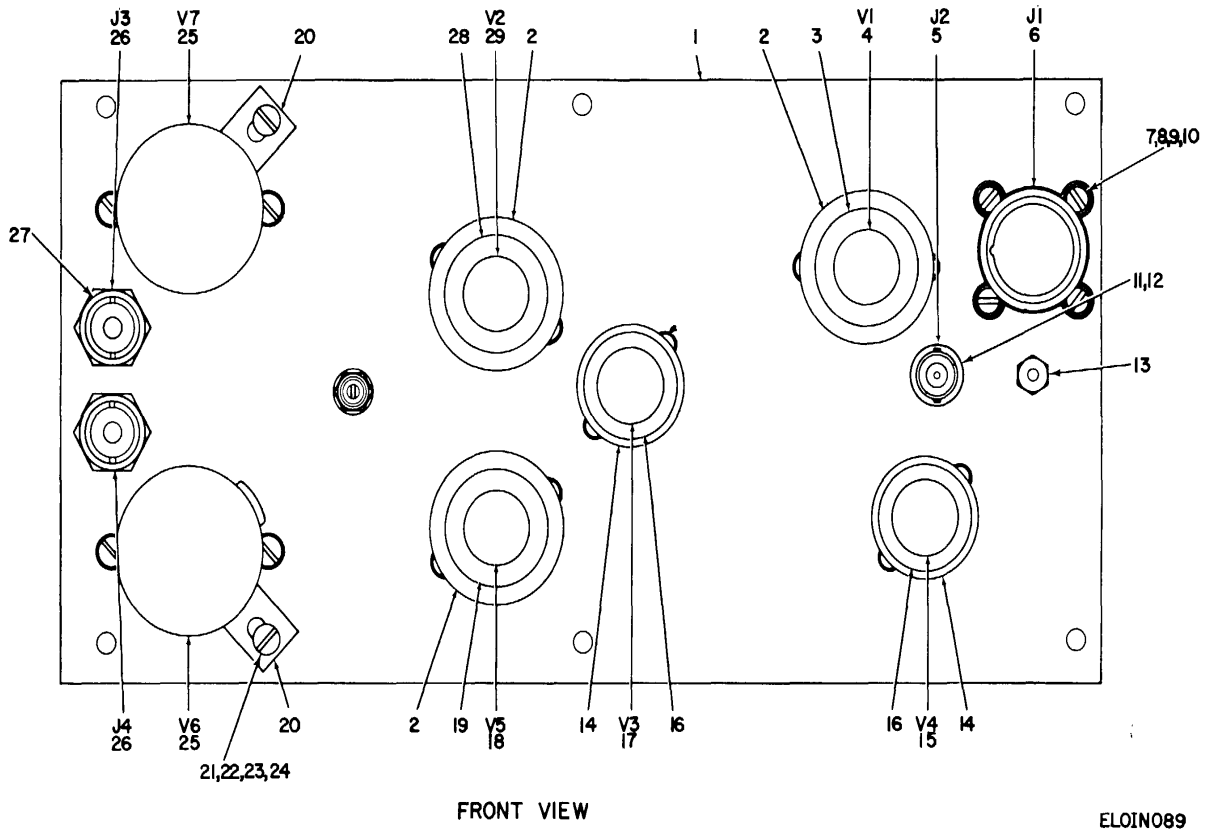


Figure 19. Amplifier, Rotating Coil (Sheet 1 of 2).

58

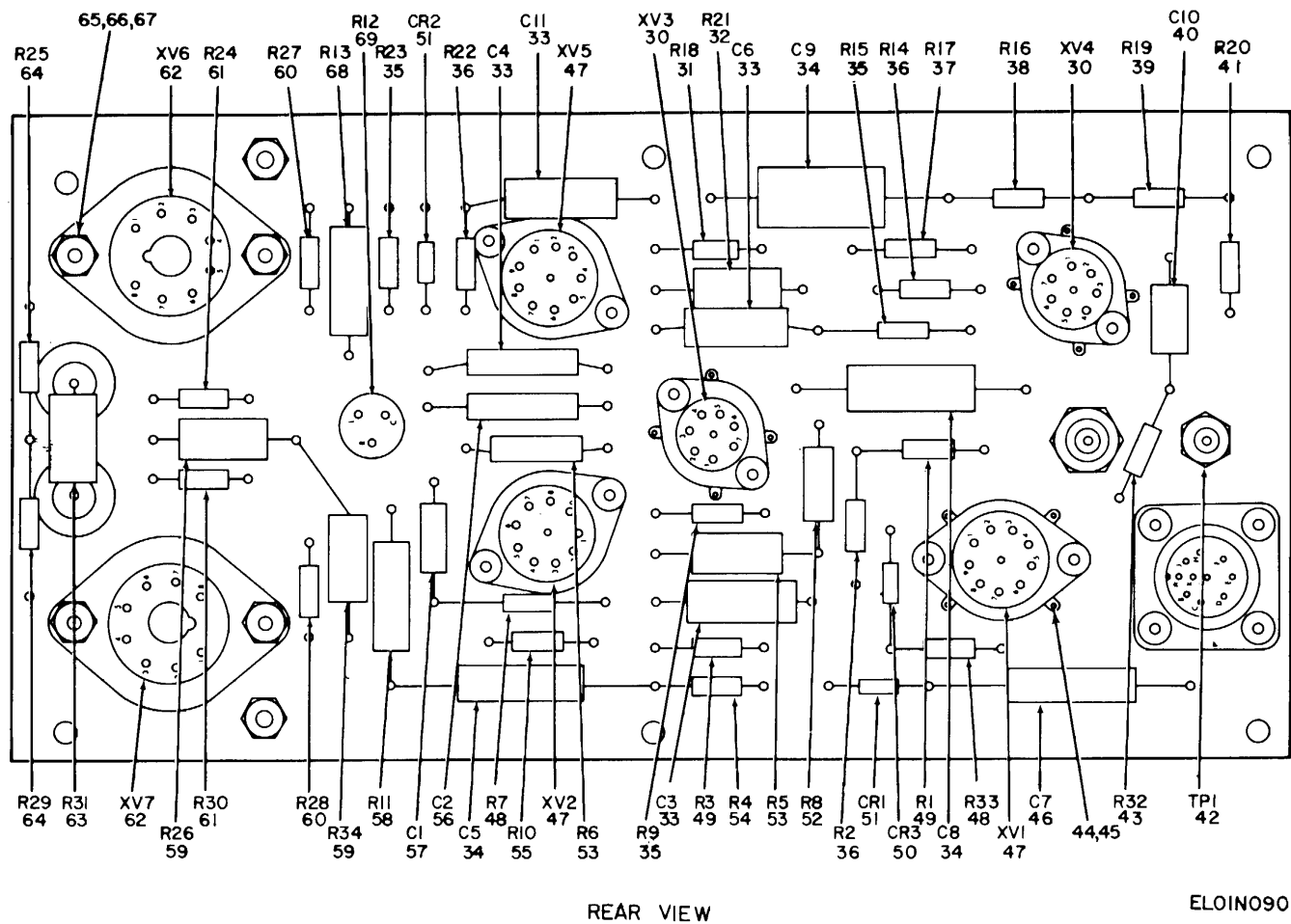


Figure 19. Amplifier. Rotating Coil (Sheet 2 of 2).

SECTION II

TM 11-5840-281-20P

(1) ILLUSTRATION		(2) NATIONAL SMR CODE	(3) STOCK NUMBER	(4) DESCRIPTION QTY PART NUMBER UNIT	(5) FSCM	(6) INC USABLE ON CODE	(7) U/M	(8) IN
(a) FIG NO.	(b) ITEM NO.							
						GROUP 020101 AMPLIFIER, ROTATING COIL		
19	3	PAOZZ	5960-00-725-0527	MS24232-6	96906	SHIELD, ELECTRON TUB	EA	1
19	4	PAOZZ	5960-00-807-5272	6877	81349	ELECTRON TUBE	EA	1
19	15	PAOZZ	5960-00-681-9802	6AU6WB	81349	ELECTRON TUBE	EA	1
19	16	PAOZZ	5960-00-681-9769	mS24232-2	96906	SHIELD, ELECTRON TUB	EA	2
19	17	PAOZZ	5960-00-262-0286	5651WA	81349	ELECTRON TUBE	EA	1
19	18	PAOZZ	5960-00-188-6584	5670	81349	ELECTRON TUBE	EA	1
19	19	PAOZZ	5960-00-82-3563	MS24232-4	96906	SHIELD, ELECTRON TUB	EA	1
19	25	PAOZZ	5960-00-578-1652	6384	81349	ELECTRON TUBE	EA	2
19	28	PAOZZ	5960-00-870-8262	MS24232-5	96906	SHIELD, ELECTRON TUB	EA	1
19	29	PAOZZ	5960-00-082-4139	5751	81349	ELECTRON TUBE	EA	1
19	47	PAOZZ	5935-00-892-8987	TS103P03	81349	SOCKET, PLUG-IN ELEC	EA	3
59/(60 BLANK)								

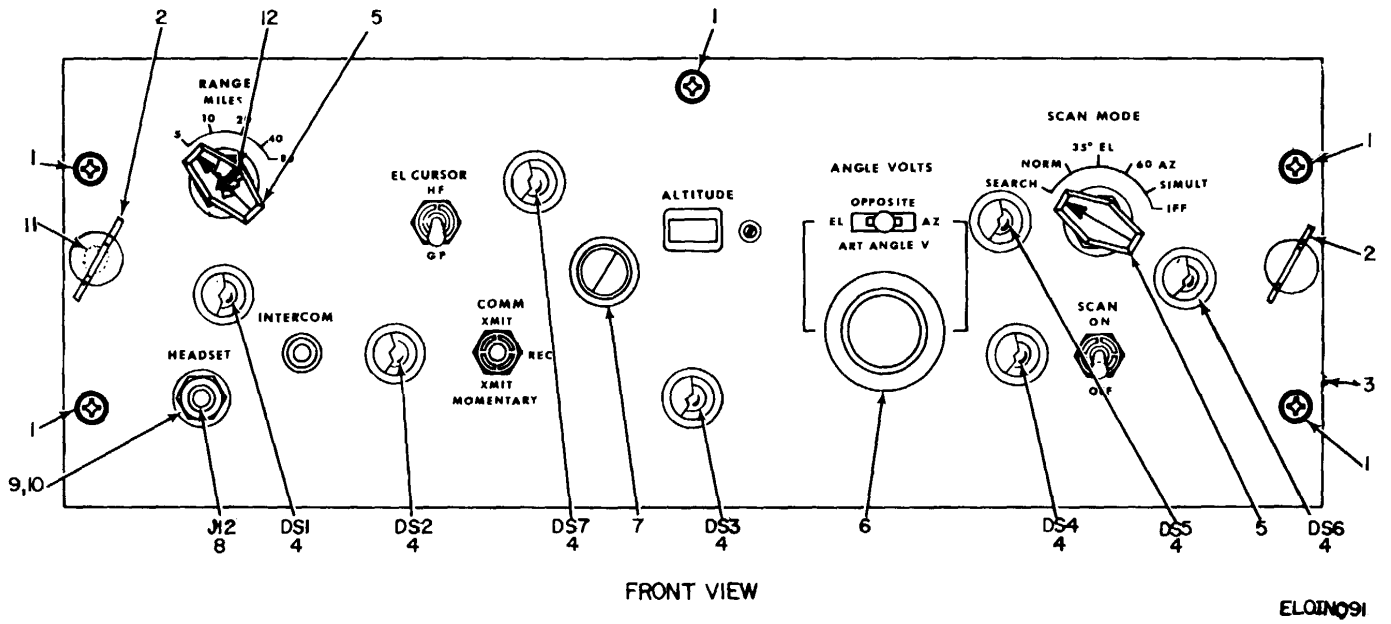


Figure 20. Generator, Pulse 0-1333/TPN-18 (Sheet 1 of 2)

f

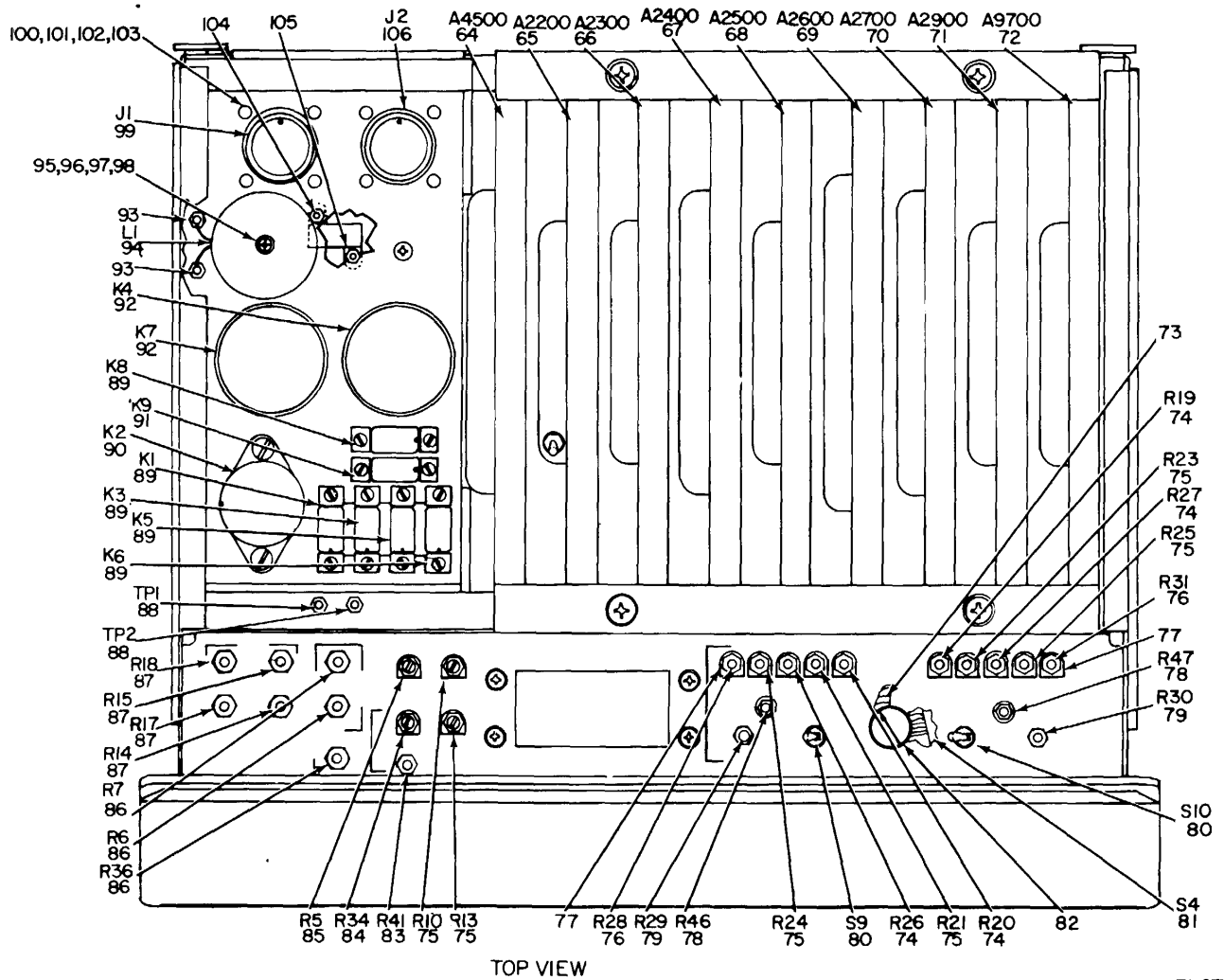
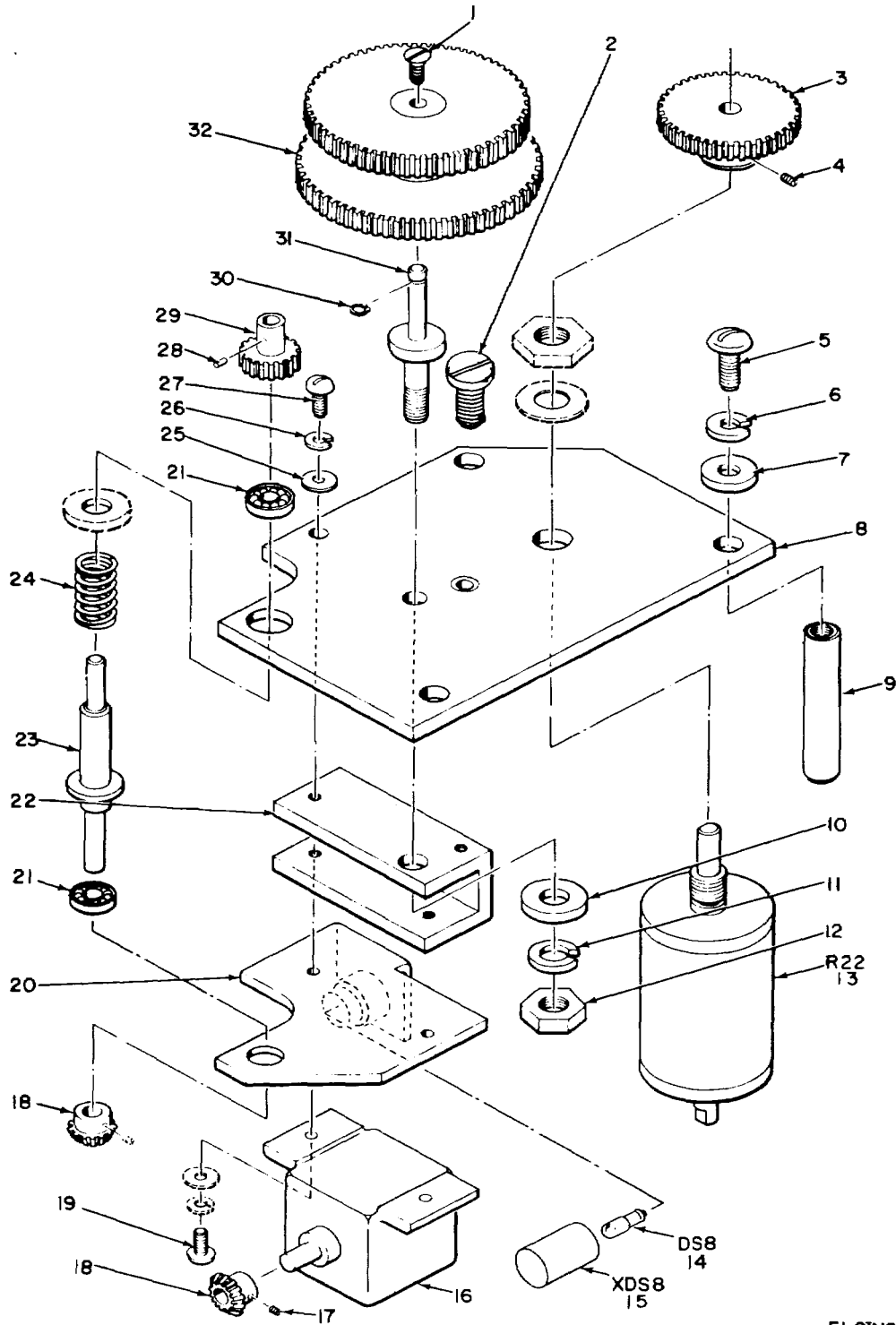


Figure 20. Generator, Pulse 0-1333/TPN1-18 (Sheet 2 of 2).

SECTION II

TM 11-5840-281-20P

(1) ILLUSTRATION		(2) NATIONAL SMR CODE	(3) STOCK NUMBER	(4) DESCRIPTION QTY PART NUMBER UNIT	(5) FSCM	(6) INC USABLE ON CODE	(7) U/M	(8) IN
(a) FIG NO.	(b) ITEM NO.							
						GROUP 020102 GENERATOR,PULSE 0-1333/TP -18		
20	4	PAOZZ	6240-00-763-7744	MS 18209-387	96906	LAMP, INCANDESCENCE.....	EA	7
20	5	PAOZZ	535-00-571-02431	6527-2	24930	KNOB	EA	2
20	7	PAOZZ	5355-00-559-8942	MS91528-1N1B	96906	KNOB	EA	1
20	12	PAOZZ	5305-00-719-5330	MS51017-21	96906	SETSCREW	EA	4
20	73	PAOZZ	5305-00-717-6949	11551963-0	96906	SETSCREW	EA	2
2082P		PAOZZ	5355-00-619-9413	65728	24930	KNOB	EA	1
20	89	PAOZZ	5945-00-043-0415	G370058S1	24930	RELAY, ARMATURE	EA	5
20	90	PAOZZ	5945-00-824-1526	G370009S1	24930	RELAY, ARMATURE	EA	1
					63			



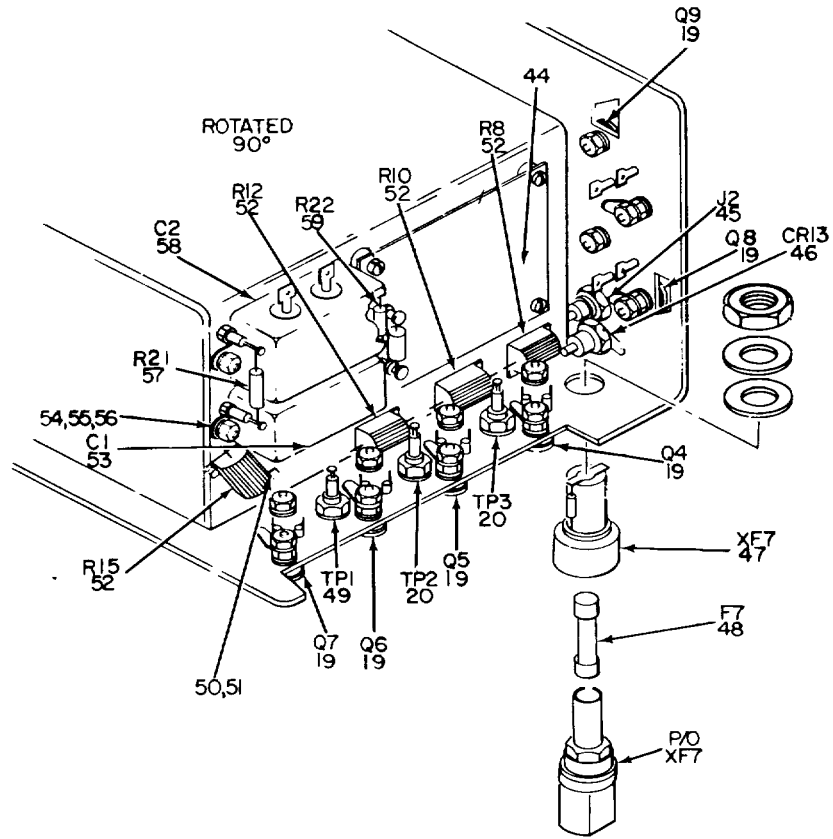
ELOIN097

Figure 21. Generator, Pulse 0-1333/TPN-18 Height Finder Assembly.

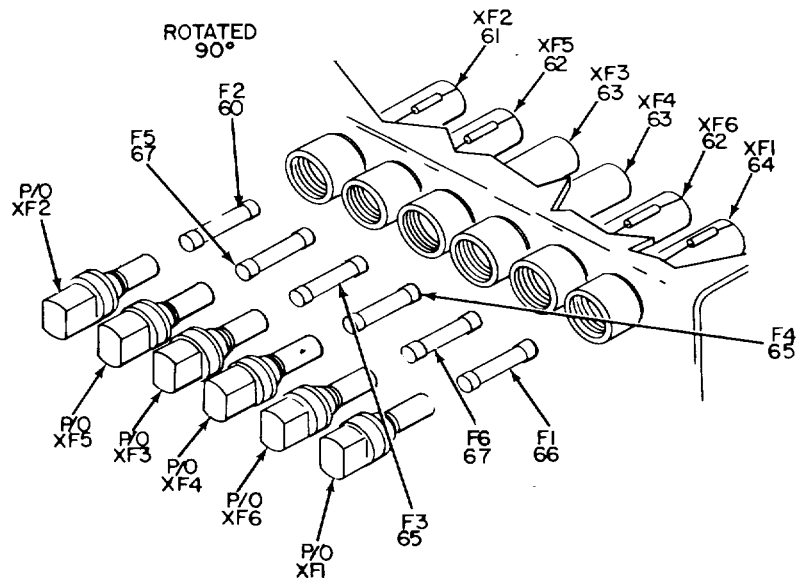
SECTION II

TM 11-5840-281-20P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	NATIONAL SMR CODE	STOCK NUMBER	DESCRIPTION QTY PART NUMBER UNIT	FSCM	INC USABLE ON CODE	U/M	IN
21	14	XDOZZ		334	80204	LAMP, INCANDESCENCE.....	EA	1
					65			



SIDE VIEW



BOTTOM VIEW

ELOINI20

Figure 22. Power Supply PP-3383/TPN-8.

SECTION II

TM 11-5840-281-20P

(1) ILLUSTRATION		(2) NATIONAL SMR CODE	(3) STOCK NUMBER	(4) DESCRIPTION QTY PART NUMBER UNIT	(5) FSCM	(6) INC USABLE ON CODE	(7) U/M	(8) IN
(a) FIG NO.	(b) ITEM NO.							
						GROUP 020104 POWER SUPPLY PP-3383/TPN-18		
22	48	PAOZZ	5920-00-280-5031	F02A250V1-4AS	81349	FUSE, CARTRIDGE	EA	1
22	60	PAOZZ	5920-00-280-9320	F02B250V1-2AS	81349	FUSE, CARTRIDGE	EA	1
22	65	PAOZZ	5920-00-280-4465	F02A250V1AS	81349	FUSE, CARTRIDGE	EA	2
22	66	PAOZZ	5920-00-281-0210	F02A250V4AS	81349	FUSE, CARTRIDGE	EA	1
22	67	PAOZZ	5920-00-281-0224	F02A250V1-2AS	81349	FUSE, CARTRIDGE	EA	2
					67			

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

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

INDEX

STOCK NUMBER	FIGURE NO.	ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.
5945-00-043-0415	12	16	5355-00-571-0243	18	9
5945-00-043-0415	16	13	5355-00-571-0243	20	5
5945-00-043-0415	20	89	5960-00-578-1652	19	25
5305-00-054-6680	2	6	5960-00-615-9972	8	24
5355-00-057-7988	18	13	5960-00-615-9972	10	5
5340-00-066-4052	1	8	5355-00-619-3837	14	138
5960-00-073-9277	5	8	5355-00-619-9413	20	82
5840-00-078-5621	2	21	5310-00-625-5756	2	15
5840-00-082-3721	2	28	5306-00-656-0193	2	14
5840-00-082-3728	2	12	5960-00-681-9769	19	16
5960-00-082-4139	19	29	5960-00-681-9802	19	15
6240-00-155-8714	6	2	5305-00-717-6949	20	73
5960-00-188-6584	19	18	5305-00-719-5329	18	10
5840-00-191-9341	2	8	5305-00-719-5330	6	31
5840-00-191-9342	2	9	5305-00-719-5330	20	12
5840-00-191-9343	2	4	5305-00-719-5336	18	12
5920-00-243-3787	7	6	5305-00-711-5342	14	137
5960-00-247-8748	9	39	5305-00-719-5346	18	15
5960-00-261-8679	10	3	5960-00-725-0527	19	3
5960-00-261-8679	11	27	5960-00-754-9775	5	29
5960-00-262-0132	8	28	5945-00-781-7899	12	3
5960-00-262-0132	13	31	5945-00-782-7921	12	5
5960-00-262-0286	19	17	5330-00-806-3197	2	30
5920-00-280-4465	22	65	5960-00-003-5272	19	4
5920-00-280-5031	7	10	5945-00-824-1525	12	15
5920-00-280-5031	22	48	5945-00-824-1525	16	12
5960-00-280-5585	13	30	5945-00-824-1526	12	6
5920-00-280-9320	22	60	5945-00-624-1526	17	118
5920-00-281-0210	22	b6	5945-00-624-1526	20	90
5920-00-281-0224	7	13	5945-00-827-7203	12	14
5920-00-281-0224	22	67	5960-00-836-6504	15	1
5920-00-284-7466	12	53	5945-00-838-1330	12	7
6210-00-299-4557	6	1	5920-00-850-6091	7	14
5840-00-433-2359	1	10	5960-00-870-8262	19	28
5330-00-433-3754	1	15	5920-00-877-9934	7	12
5920-00-474-6125	7	9	5960-00-882-3563	9	37
5945-00-492-4431	17	104	5960-00-882-3563	19	19
5945-00-542-7021	16	16	5960-00-889-4077	14	136
5355-00-543-0789	18	3	5935-00-892-8987	19	47
5355-00-543-0818	18	16	5310-00-933-8119	2	7
5960-00-548-3072	8	26	5945-00-937-1827	12	4
5960-00-548-3072	9	45	5310-00-939-2655	2	13
5355-00-556-0151	6	28	5840-00-944-2454	4	16
5355-00-559-8942	18	8	5310-00-974-6623	2	16
5355-00-559-8942	20	7	5960-00-985-2783	9	40
5355-00-571-0243	6	32	5960-00-985-2783	10	4

PART NUMBER	FIG. FSCM	ITEM NO.	PART NO.	FIG. NUMBER	ITEM FSCM	NO.	NO.
ABT381PN8	80058	2	21				
AN565D8H4	88044	18	15	G500001-1	24930	1	8
F02A250V1-2AS	81349	1	13				
F02A250V1-2AS	81349	22	67	MDX4	71400	12	53
F02A250V1-4AS	81349	7	10	MS15795-812	96906	2	15
F02A250V1-4AS	81349	22	48	MS24232-2	96906	19	16
F02A250V1AS	81349	22	65	MS24232-4	96906	9	37
F02A250V2AS	81349	1	9	MS24232-4	96906	19	19
F02A250V3AS	81349	7	12	MS24232-5	96906	19	28
F02A250V4AS	81349	22	66	MS24232-6	96906	19	3
F02B250V-2AS	81349	22	60	MS25231-313	96906	6	2
F02B250V1AS	81349	7	14				
F03A250V10AS	81349	7	6				
G370000S1	24930	16	11				
G370005S1	24930	12	14	MS35308-339	96906	2	14
G370006S1	24930	16	16	MS35338-137	96906	2	7
G370C09S1	24930	12	6	MS35338-140	96906	2	16
G370009S1	24930	17	118	MS51017-21	96906	20	12
G370009S1	24930	20	90	MS51017-33	96906	18	12
G370057S1	24930	12	15	MS51957-53	96906	2	6
G370057S1	24930	16	12	MS51963-10	96906	20	73
G370058S1	24930	12	6	MS51963-20	96906	18	10
G370058S1	24930	16	13	MS51963-21	96906	6	31
G370058S1	24930	20	89	MS51963-23	96906	6	33
G370059S1	24930	12	7	MS51963-23	96906	18	11
G370060S1	24930	12	4	MS51963-34	96906	14	137
G370061S1	24930	17	104	MS51972-2	96906	2	13
G370061S2	24930	12	5	MS90064-14	96906	2	30
G370063S1	24930	12	3	MS91528-1D2B	96906	6	28

SECTION IV

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

PART NUMBER	FSCM	FIG. NO.	ITEM NO.	PART NUMBER	FSCM	FIG. NO.	ITEM NO.
MS9152E-1N1B	96906	18	8	3119151A030	70128	1	6
MS91528-1N1B	96906	20	7	334	80204	21	14
MS91528-1N2B	96906	18	3	5651WA	81349	19	17
MSS1528-3N2B	96906	14	138	5670	81349	19	18
01333TPN18	80058	17	10	5751	81349	19	29
RT818TPN18	80058	4	16	5842	81349	9	39
TG113TPN8	80058	2	12	6AU6WB	81349	19	15
TG114TPN8	80058	2	28	6021	81349	10	3
TS103PC3	81349	19	47	6021	81349	11	27
T3-3031B	98978	9	40	6111	81349	8	28
T3-3031B	98978	10	4	6111	81349	13	31
00204	24931	3	6	6112	81349	13	30
10VP7G18115475	24930	17	28	6205	81349	8	26
100253	24930	1	16	6205	81349	9	45
102663	24930	5	8	6206	81349	8	24
102782	24930	18	17	6206	81349	10	5
102823-5	24930	2	8	6384	81349	19	25
102823-6	24930	2	9	65727-2	24930	6	32
102824-1	24930	2	4	65727-2	24930	18	9
102986	24930	18	13	65727-2	24930	20	5
103155-1	24930	2	10	65726	24930	20	82
103156-1	24930	2	11	6877	81349	19	4
103157-1	24930	2	5	6975	81349	5	29
103188	24930	1	14	7006	81349	14	136
112449	24930	1	10	71783	24930	18	16
116502	24930	1	15	8613	81349	15	1
180963-1	24930	1	7	90-0410-2900-301	72619	6	1

LATEST NATIONAL STOCK NUMBER ASSIGNMENTS

STOCK NUMBER	FIGURE NO.	ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.
5340-00-066-4192	1	9	5305-00-719-5338	18	11
5920-00-284-7466	14	72	6240-00-763-7744	12	51
5840-00-433-2358	1	14	6240-00-763-7744	18	2
5960-00-548-3072	10	11	6240-00-763-7744	20	4
5305-00-719-5338	6	33	4030-00-889-2364	1	5

LATEST PART NUMBER ASSIGNMENTS

PART NUMBER	FSCM	FIG. NO.	ITEM NO.	PART NUMBER	FSCM	FIG. NO.	ITEM NO.
G400054-2	24930	1	5	MS18209-387	96906	18	2
G500001-2	24930	1	9	MS18209-387	96906	20	4
MDX4	71400	14	72	6205	81349	10	11
MS18209-387	96906	12	51				

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