

TECHNICAL MANUAL

**ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT
MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS**

FOR

**SIGNAL GENERATOR AN/USM-48 (HP628A)
(NSN 6625-00-55-2264)**

HEADQUARTERS, DEPARTMENT OF THE ARMY

20 AUGUST 1981



**ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT
MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS
FOR
SIGNAL GENERATOR AN/USM-48 (HP628A)
(NSN 6625-00-555-2264)
Current as of 25 March 1981**

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS
You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to: Commander, US Army Communications and Electronics Materiel Readiness Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, NJ 07703.
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*This manual supersedes TM 11-625-2909-24P, 17 November 1978.

**SECTION I
INTRODUCTION**

1. Scope

This manual lists spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE), and other special support equipment required for performance of organizational, direct support, and general support maintenance of the AN/USM-48 (HP628A). 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 alphanumeric sequence, of all part numbers appearing in the listings. National stock numbers and part numbers are cross-referenced to each illustration figure and item number appearance.

3. Explanation of Columns

a. Illustration. This column is divided as follows:

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

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

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

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

Code

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.

Definition

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.

H - Support item is removed, replaced, used at the general support level.

(b) The maintenance code entered in the fourth position indicates whether the item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair (i.e., all authorized maintenance functions). This position will contain one of the following maintenance codes:

Code

Application/Explanation

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 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.
H -	Reparable item. When uneconomically reparable, condemn and dispose at the general support level.
	c. <i>National Stock Number.</i> Indicates the National stock number assigned to the item and will be used for requisitioning purposes.
	d. <i>Federal Supply Code for Manufacturer (FSCM).</i> The FSCM is a 5-digit numeric code listed in SB 708-41/42 which is used to identify the manufacturer, distributor, or Government agency, etc.
	e. <i>Part Number.</i> 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.

- f. *Description.* Indicates the Federal item name and, if required, a minimum description to identify the item.
- g. *Unit of Measure (U/M).* Indicates the standard of the basic quantity of the listed item as used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea, in, pr, etc). When the unit of measure differs from the unit of issue, the lowest unit of issue that will satisfy the required units of measure will be requisitioned.
- h. *Quantity Incorporated in Unit.* Indicates the quantity of the item used in the breakout shown on

the illustration figure, which is prepared for a functional group, subfunctional group, or an assembly.

4. Special Information

The following publications pertain to the AN/USM-48 (HP628A) and its components:
 TM 11-4940-476-14, Electronics Shop, Semitrailer Mounted AN/ALM-153
 TM 11-4940-476-24P, Electronics Shop, Semitrailer Mounted AN/ALM-153
 TM 11-6625-2909-14, Signal Generator AN/USM-48 (HP628A)

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 alphanumeric sequence, cross-referenced to the illustration figure number and item number.
 - (2) *Second.* After finding the figure and item number, locate the figure and item number in the repair parts list.

6. Abbreviations

Not applicable.

(Next printed page is 4)

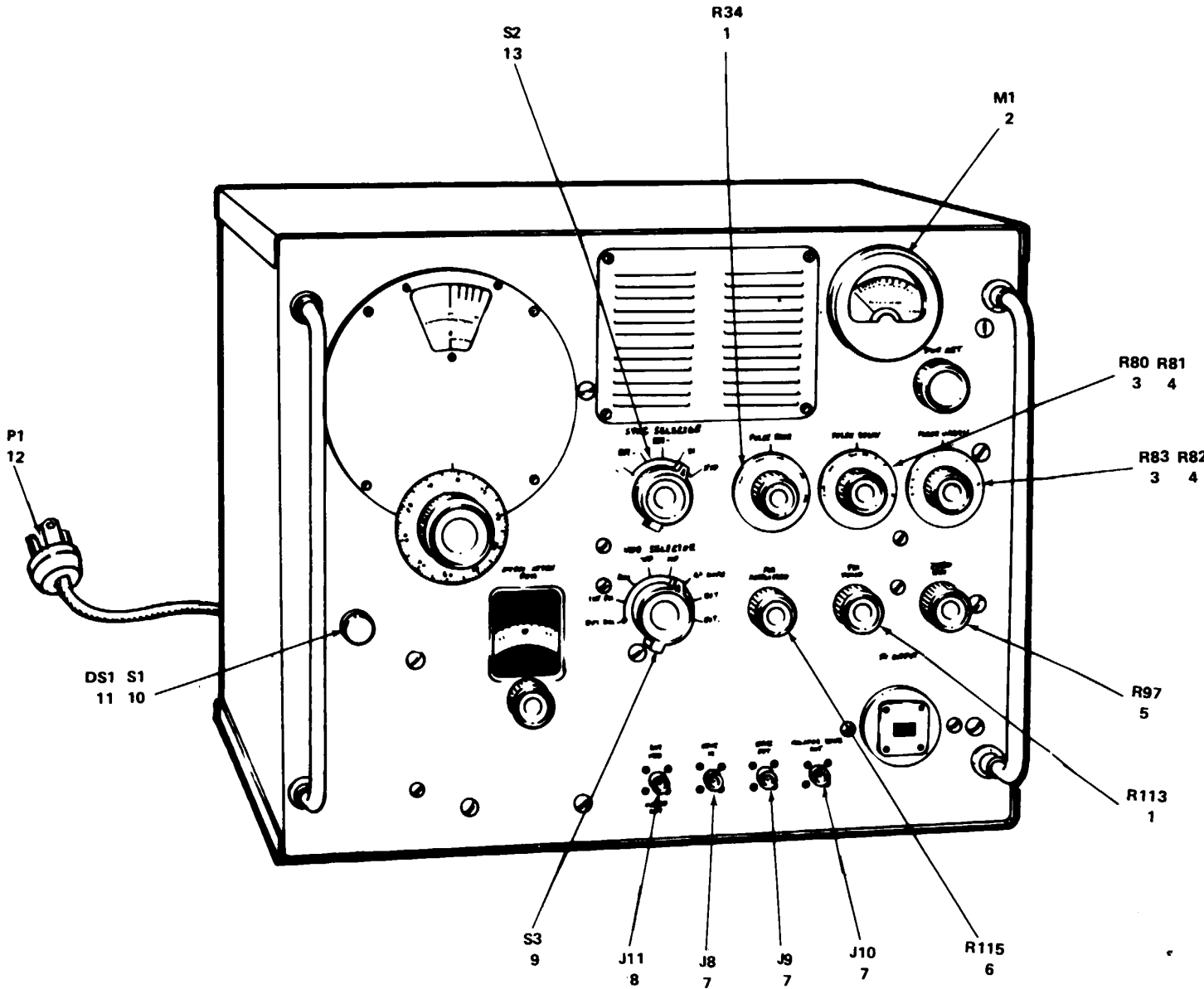


Figure 1. Signal Generator AN/USM-48 (HP628A) (Sheet 1 of 5).

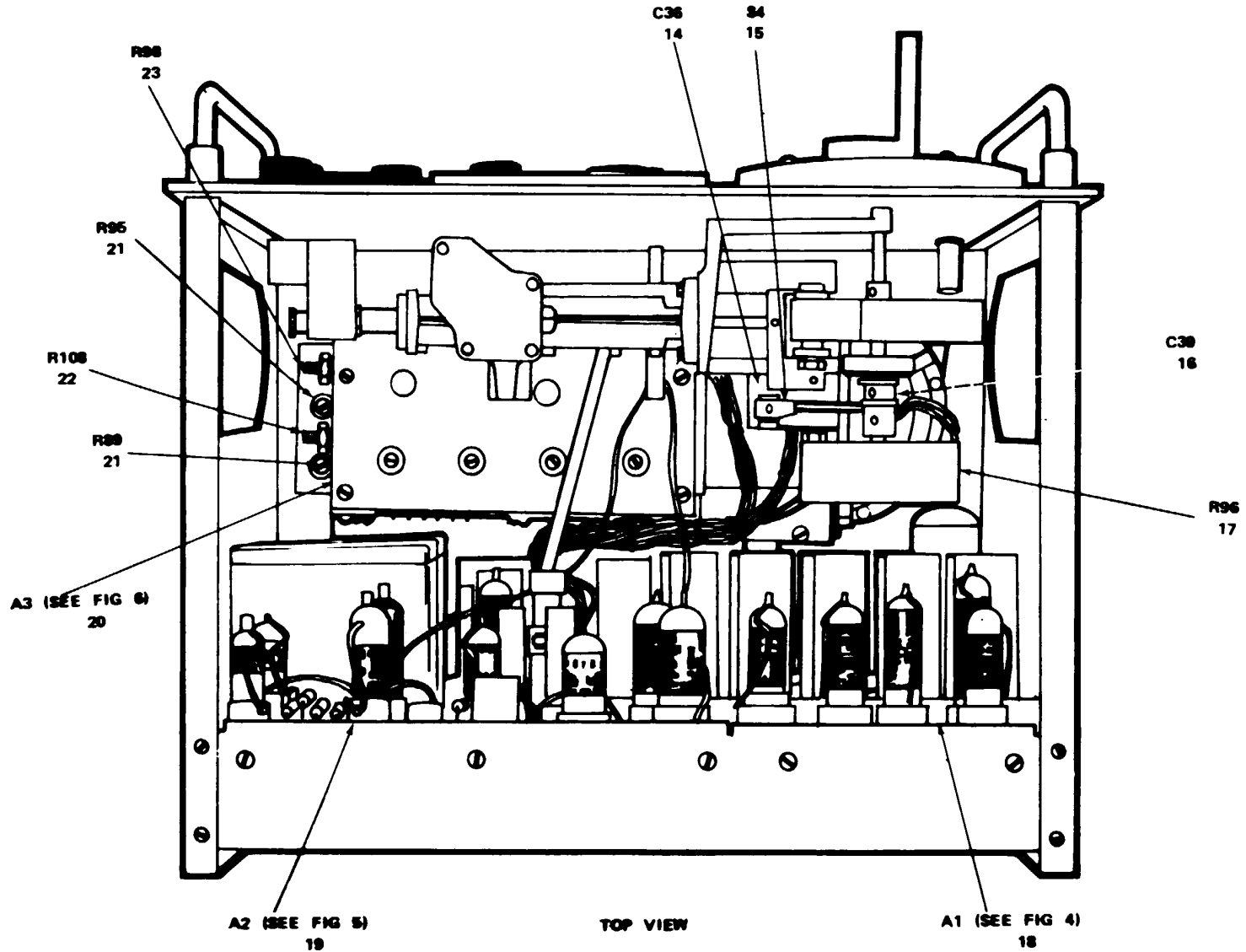


Figure 1. Signal Generator AN/USM-48 (HP628A) (Sheet 2 of 5).

EL3XT002

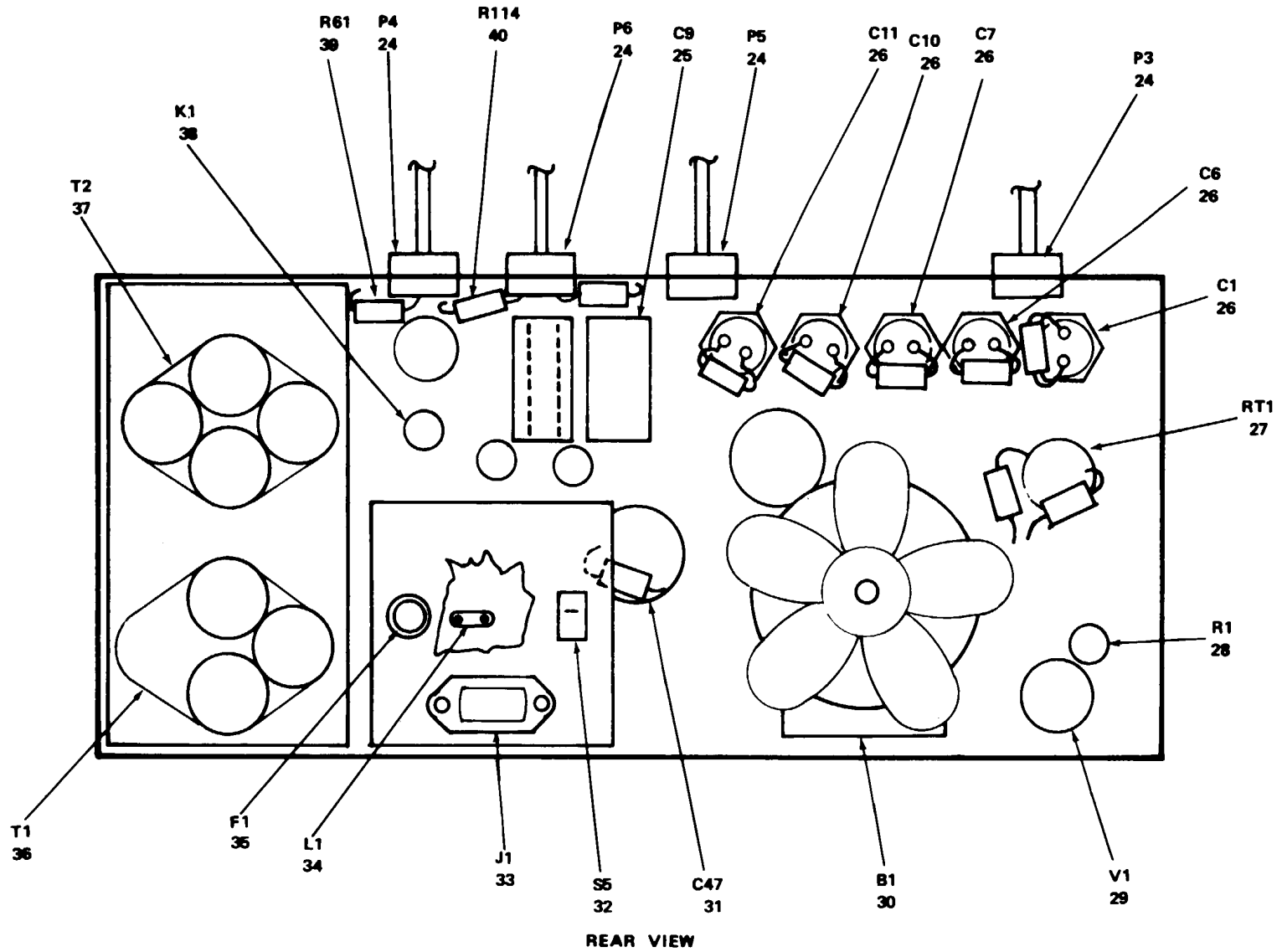


Figure 1. Signal Generator AN/USM-48 (HP628A) Sheet 3 of 5).

EL3XT003

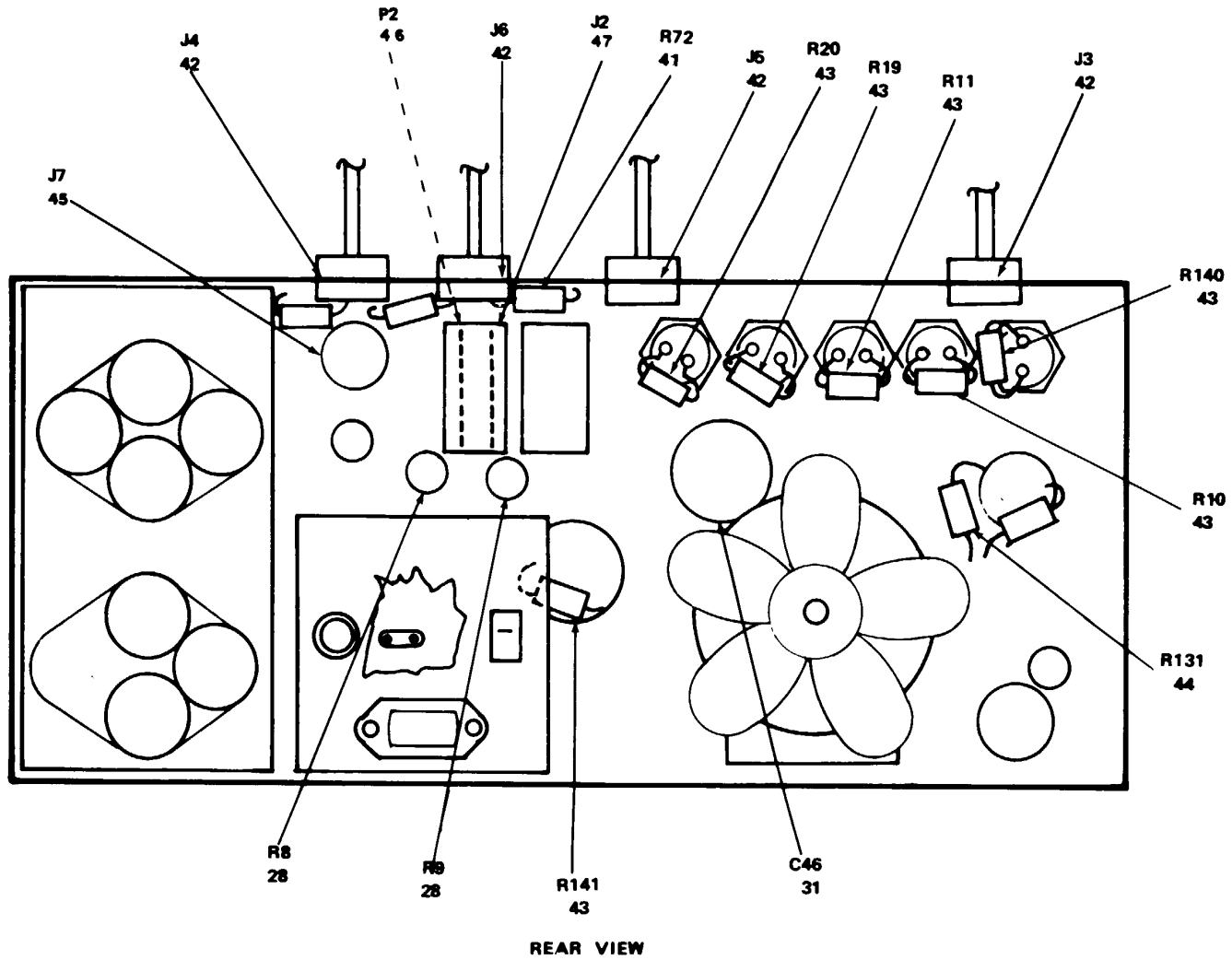
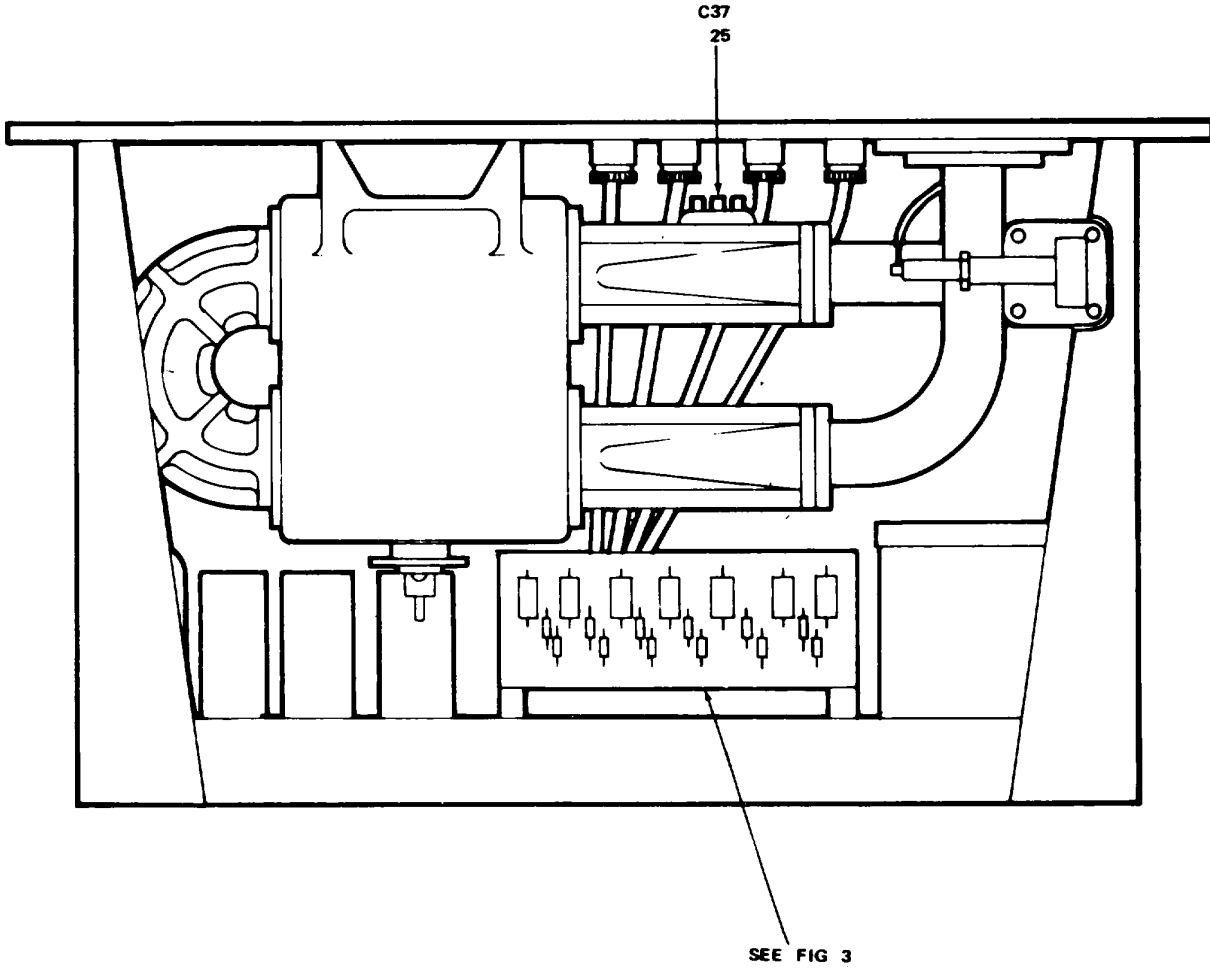


Figure 1. Signal Generator AN/USM-48 (HP628A) (Sheet 4 of 5).

EL3XT004



BOTTOM VIEW

EL3XT896

Figure 1. Signal Generator AN/USM-48 (HP628A) (Sheet 5 of 5).

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 00 SIGNAL GENERATOR AN/USM-48 (HP628A)		
1	1	PAHZZ	5905-00-079-1619	28480	2100-0034	RESISTOR, VARIABLE, N.....	EA	2
1	2	PAHZZ	6625-00-594-0525	28480	1120-0037	METER, AUDIO LEVEL.....	EA	1
1	3	PAHZZ	5905-00-170-9440	28480	2100-0014	RESISTOR, VARIABLE, N.....	EA	2
1	4	PAHZZ	5905-00-082-7502	28480	0681-2731	RESISTOR, FIXED, COMP.....	EA	2
1	5	PAHZZ	5905-00-853-4863	28480	2100-0036	RESISTOR, VARIABLE, N.....	EA	1
1	6	XDHZZ	5905-00-817-5335	28480	2100-0159	RESISTOR, VARIABLE, N.....	EA	1
1	7	PAHZZ	5935-00-149-2726	28480	1250-0075	CONNECTOR, RECEPTACL.....	EA	3
1	8	PAHZZ	5935-01-071-5147	28480	1250-0074	CONNECTOR, RECEPTACL.....	EA	1
1	9	PAHZZ	5930-00-918-6875	28480	3100-0111	SWITCH.....	EA	1
1	10	PAHZZ	5930-00-476-9679	28480	3101-1248	SWITCH, CODE INDICAT.....	EA	1
1	11	PAHZZ	6240-00-951-3376	28480	2140-0244	LAMP, GLOW.....	EA	1
1	12	PAHZZ	6150-01-004-8773	28480	8120-1348	CABLE ASSEMBLY, POWE.....	EA	1
1	13	PAHZZ	5930-00-908-1877	28480	3100-0121	SWITCH, ROTARY.....	EA	1
1	14	PAHZZ	5910-00-523-9777	28480	0160-0595	CAPACITOR, FIXED, PLA.....	EA	1
1	15	PAHZZ	5930-00-072-0852	28480	3102-0001	SWITCH, SENSITIVE.....	EA	1
1	16	PAHZZ	5910-01-040-0409	28480	0160-0593	CAPACITOR, FIXED, PAP.....	EA	1
1	17	PAHZZ	5905-00-835-8856	28480	2100-0120	RESISTOR, VARIABLE, W.....	EA	1
1	18	PAHHH	6625-01-071-5203	28480	628A-65	CIRCUIT CARD.....	EA	1
1	19	PAHHH	6625-01-071-5198	28480	628A-65A	CIRCUIT CARD ASSEMB.....	EA	1
1	20	PAHHH	6625-01-071-5208	28480	628A-65D	CIRCUIT CARD ASSEMB.....	EA	1
1	21	XDHZZ	5905-00-812-6400	28480	2100-0028	RESISTOR, VARIABLE, N.....	EA	2
1	22	PAHZZ	5905-00-882-4936	28480	2100-0068	RESISTOR, VARIABLE, N.....	EA	1
1	23	XDHZZ	5905-00-023-4837	28480	2100-0025	RESISTOR, VARIABLE, N.....	EA	1
1	24	PAHZZ	5935-00-721-0043	28480	1251-0026	CONNECTOR, RECEPFACL.....	EA	4
1	25	PAHZZ	5910-00-910-5114	28480	0160-0089	CAPACITOR, FIXED, PAP.....	EA	2
1	26	PAHZZ	5910-00-854-6894	81349	CF44C470R	CAPACITOR, FIXED, ELE.....	EA	5
1	27	PAHZZ	5905-00-796-4797	28480	0852-0007	RESISTOR, CURRENT RE.....	EA	1
1	28	PAHZZ	5905-01-071-5068	28480	0816-0006	RESISTOR, FIXED, WIRE.....	EA	3
1	29	PAHZZ	5960-00-262-0180	28480	1932-0010	ELECTRON TUBE.....	EA	1
1	30	PAHZZ	6105-00-943-4508	28480	3140-0052	MOTOR, ALTERNATING C.....	EA	1
1	31	PAHZZ	5910-00-195-8716	28480	0180-0025	CAPACITOR, FIXED, ELE.....	EA	2
1	32	PAHZZ	5930-00-472-4997	28480	3101-1272	SWITCH, ELECTRICAL.....	EA	1
1	33	PAHZZ	5935-00-233-6728	28480	1251-2357	CONNECTOR, RECEPTACL.....	EA	1
1	34	PAHZZ	5950-00-296-1310	28480	9110-0011	REACTOR.....	EA	1
1	35	PAHZZ	5920-01-071-5076	28480	2110-0055	FUSE, CARTRIDGE.....	EA	1
1	36	PAHZZ	5950-00-919-3209	28480	9103-0114	TRANSFORMER, POWER.....	EA	1
1	37	PAHZZ	5950-00-919-3208	28480	9100-0115	TRANSFORMER, POWER.....	EA	1
1	38	PAHZZ	5945-01-071-5024	28480	0490-0009	RELAY, TIME DELAY.....	EA	1
1	39	XDHZZ		28480	0687-8211	RESISTOR, FIXED.....	EA	1

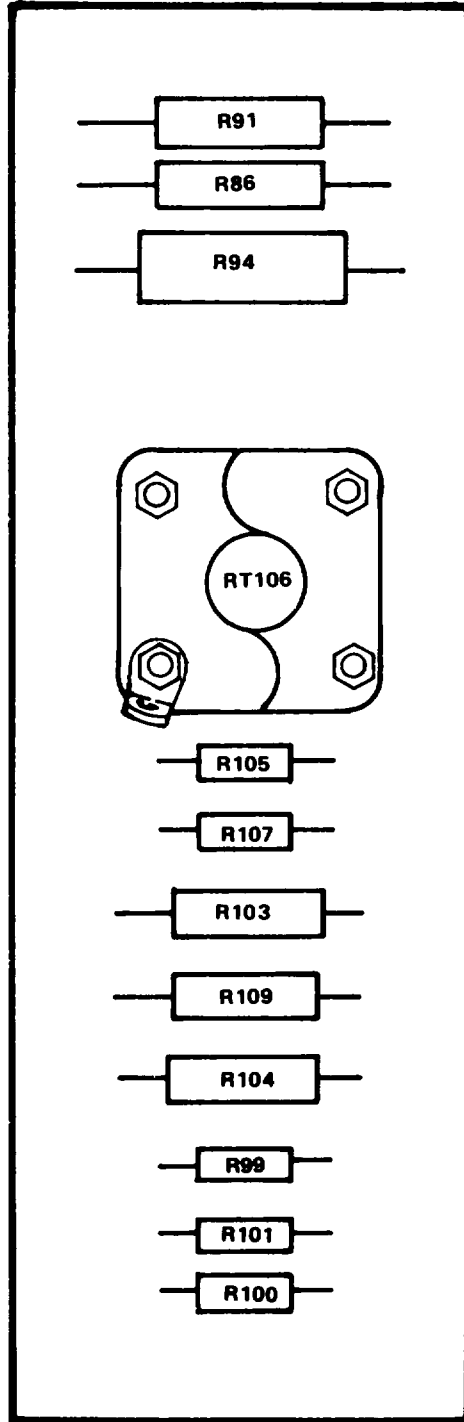
SECTION II

TM 11-6625-2909-24P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
1	40	XDHZZ	5905-00-578-0913	28480	0687-1051	RESISTOR, FIXED, COMP	EA	1
1	41	PAHZZ	5905-00-082-7518	28480	0687-1221	RESISTOR, FIXED, COMP	EA	1
1	42	PAHZZ	5935-00-804-5153	28480	1200-0005	SOCKET, PLUG-IN ELEC	EA	4
1	41	PAHZZ	5905-00-841-6422	28480	0690-1051	RESISTOR, FIXED	EA	6
1	44	PAHZZ	5905-00-469-2182	28480	0693-1801	RESISTOR	EA	1
1	45	XDHZZ	5935-00-666-0285	28480	1200-0035	SOCKET, PLUG-IN ELEC	EA	1
1	46	PAHZZ	5935-00-258-5811	28480	1251-0006	CONNECTOR, RECEPTACL	EA	1
1	47	PAHZZ	5935-00-082-0481	28480	1251-0001	CONNECTOR, RECEPTACL	EA	1

LEGEND

REF DES	ITEM NO
R86	1
R91	2
R94	2
R99	3
R100	4
R101	5
R103	6
R104	6
R105	7
R107	8
R109	6
RT106	9



EL3XT006

Figure 2. Circuit Card Assembly, Resistor Network.

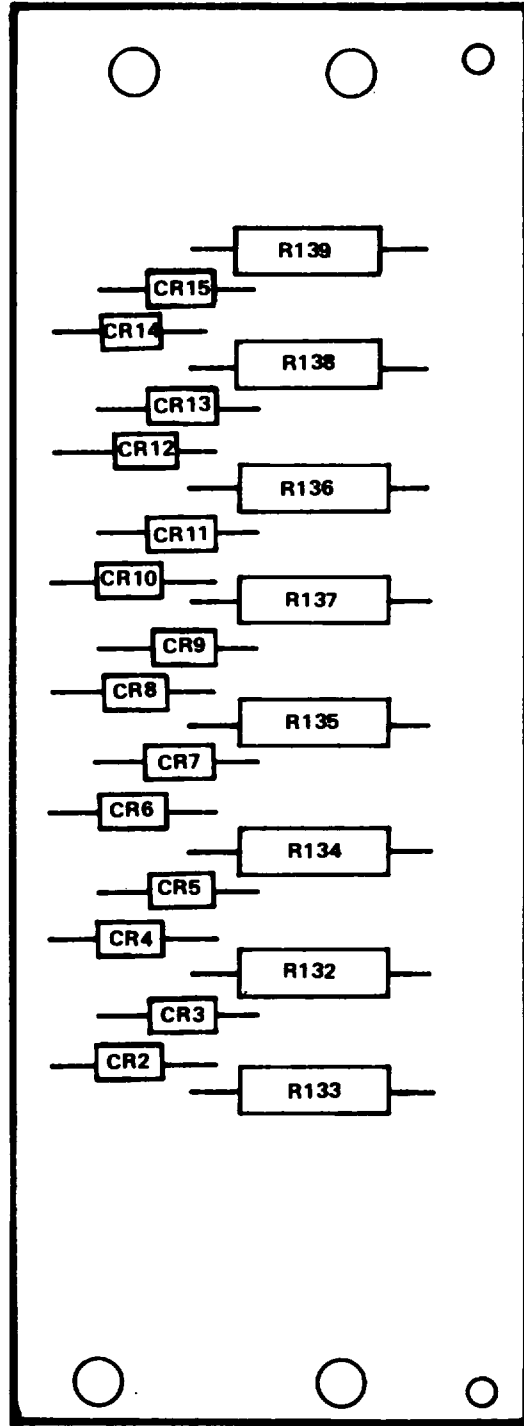
SECTION II

TM 11-6625-2909-24P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
2	1	PAHZZ	5905-00-369-6923	28480	0690-2231	RESISTOR, FIXED, COMP	EA	1
2	2	PAHZZ	5905-00-104-8352	81349	RCR32G153JS	RESISTOR, FIXED, COMP	EA	2
2	3	PAHZZ	5905-00-062-7096	28480	0687-3901	RESISTOR, FIXED, COMP	EA	1
2	4	PAHZZ	5905-00-436-3450	28480	0681-3301	RESISTOR, FIXED, COMP	EA	1
2	5	PAHZZ	5905-00-082-7516	28480	0687-4711	RESISTOR, FIXED, COMP	EA	1
2	6	XDHZZ	5915-00-930-3956	28480	628A67A	SUPPRESSOR, PARASITI.....	EA	3
2	7	PAHZZ	5905-00-586-4492	28480	0687-2201	RESISTOR, FIXED, COMP	EA	1
2	8	PAHZZ	5905-00-082-7507	28480	0687-2211	RESISTOR, FIXED, COMP	EA	1
2	9	PAHZZ	5905-00-549-7436	28480	0839-0003	RESISTOR, THERMAL.....	EA	1

LEGEND

REF DES	ITEM NO
CR2	1
CR3	1
CR4	1
CR5	1
CR6	1
CR7	1
CR8	1
CR9	1
CR10	1
CR11	1
CR12	1
CR13	1
CR14	1
CR15	1
R132	2
R133	2
R134	2
R135	2
R136	2
R137	2
R138	2
R139	2



EL3XT007

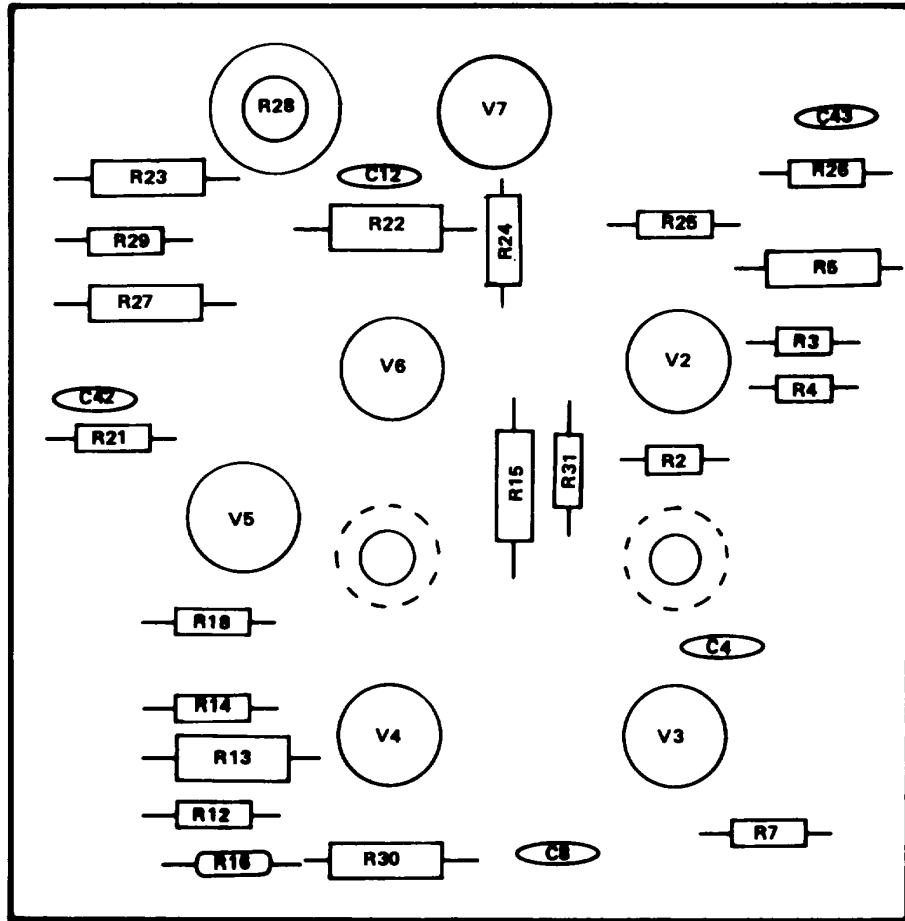
Figure 3. Circuit Card Assembly, Rectifier.

SECTION II

TM 11-6625-2909-24P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
3	1	PAHZZ	5961-00-950-0537	28480	1901-0029	SEMICONDUCTOR DEVIC.....	EA	14
3	2	PAHZZ	5905-00-106-9353	81349	RCR32G474JS	RESISTOR, FIXED, COMP	EA	8

LEGEND			
REF DES	ITEM NO	REF DES	ITEM NO
C4	1	R22	14
C8	1	R23	15
C12	1	R24	16
C42	1	R25	17
C43	1	R26	17
R2	2	R27	5
R3	3	R28	18
R4	4	R29	19
R5	5	R30	20
R7	6	R31	12
R12	7	V2	21
R13	8	V3	22
R14	9	V4	21
R15	10	V5	23
R16	11	V6	21
R18	12	V7	24
R21	13		



PREFIX ALL REFERENCE
DESIGNATORS WITH A1

EL3XT008

Figure 4. Circuit Card Assembly, Power Regulator, A1.

SECTION II

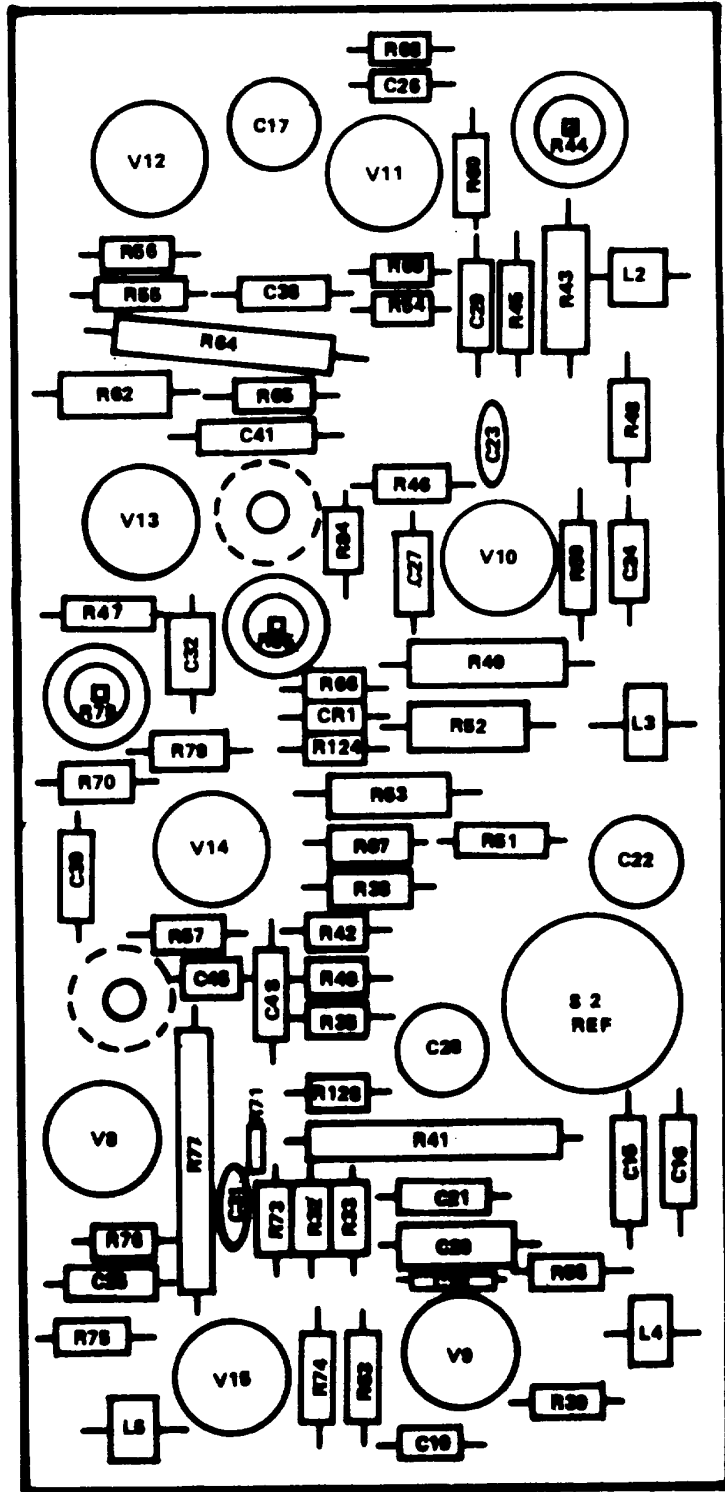
TM 11-6625-2909-24P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 01 CIRCUIT CARD ASSEMBLY, POWER REGULATOR, A1		
4	1	PAHZZ	5910-00-851-7794	28480	0150-0012	CAPACITOR, FIXED, CER.....	EA	5
4	2	PAHZZ	5905-00-116-8558	81349	RCR20G155JS	RESISTOR, FIXED, COMP.....	EA	1
4	3	XDHZZ	5905-00-578-0913	28480	0687-1051	RESISTOR, FIXED, COMP.....	EA	1
4	4	PAHZZ	5905-00-894-2401	01121	EB6831	RESISTOR, FIXED, COMP.....	EA	1
4	5	PAHZZ	5905-00-715-0767	28480	0730-0092	RESISTOR, FIXED, FILM.....	EA	2
4	6	PAHZZ	5905-00-192-3979	28480	0693-3331	RESISTOR, FI TASK 4A.....	EA	1
4	7	PAHZZ	5905-00-050-6962	01121	GB5641	RESISTOR, FIXED, COMP.....	EA	1
4	8	PAHZZ	5905-00-257-6542	01121	HB3341	RESISTOR, FIXED, COMP.....	EA	1
4	9	PAHZZ	5905-00-082-7510	28480	0687-3331	RESISTOR, FIXED, COMP.....	EA	1
4	10	PAHZZ	5905-01-071-5075	28480	0730-0097	RESISTOR, FIXED, COMP.....	EA	1
4	11	PAHZZ	5905-00-490-3963	28480	0730-0088	RESISTOR, FIXED, FILM.....	EA	1
4	12	PAHZZ	5905-00-279-1692	28480	0690-1001	RESISTOR.....	EA	2
4	13	PAHZZ	5905-00-970-1931	28480	0690-3341	RESISTOR, FIXED, COMP.....	EA	1
4	14	PAHZZ	5905-00-456-5215	28480	0693-541	RESISTOR, FIXED, COMP.....	EA	1
4	15	PAHZZ	5905-00-157-0893	28480	0693-1041	RESISTOR, FIXED, COMP.....	EA	1
4	16	PAHZZ	5905-00-432-7697	28480	0687-3931	RESISTOR, FIXED, COMP.....	EA	1
4	17	PAHZZ	5905-00-072-0650	28480	0690-2241	RESISTOR, FIXED, COMP.....	EA	2
4	18	XDHZZ	5905-00-950-7406	28480	2100-0098	RESISTOR, VARIABLE, N.....	EA	1
4	19	PAHZZ	5905-00-204-6336	28480	0730-0062	RESISTOR, FI TASK 4A.....	EA	1
4	20	XDHZZ	5905-00-448-0831	28480	0721-0244	RESISTOR, FIXED, FILM.....	EA	1
4	21	PAOZZ	4935-00-982-8633	28480	1923-0021	TUBE.....	EA	3
4	22	PAOZZ	5960-00-557-6883	28480	1940-0004	ELECTRON TUBE.....	EA	1
4	23	PAOZZ	4935-00-982-8631	28480	1923-0018	TUBE.....	EA	1
4	24	PAOZZ	5960-00-262-0286	81349	5651WA	ELECTRON TUBE.....	EA	1

LEGEND

REF	ITEM	REF	ITEM	REF	ITEM
DES	NO	DES	NO	DES	NO
C15	1	R33	19	R64	23
C16	2	R35	20	R65	42
C17	3	R37	21	R66	39
C18	4	R38	21	R68	38
C19	4	R39	22	R69	43
C20	2	R40	22	R70	44
C21	1	R41	23	R71	45
C22	3	R42	20	R73	37
C23	5	R43	24	R74	46
C24	6	R44	25	R75	47
C25	7	R45	26	R76	39
C26	8	R46	27	R77	23
C27	9	R47	28	R78	25
C28	3	R48	29	R79	48
C29	10	R49	30	R84	49
C30	8	R50	31	R85	25
C31	5	R51	32	R124	35
C32	9	R52	33	R128	28
C38	11	R53	34	V8	50
C41	12	R54	35	V9	51
C48	13	R55	36	V10	51
C48	13	R56	37	V11	52
CR1	14	R57	38	V12	50
L2	15	R58	39	V13	51
L3	16	R60	40	V14	52
L4	17	R62	41	V15	51
L5	18	R63	22		
R32	19				

PREFIX ALL REFERENCE DESIGNATORS WITH A2



EL3XT009

Figure 5. Circuit Card Assembly, Pulse Section, A2.

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 02 CIRCUIT CARD ASSEMBLY, PULSE SECTION, A2		
5	1	PAHZZ	5910-00-100-8067	81349	CM308561K	CAPACITOR, FIXED, MIC	EA	2
5	2	XDHZZ	5910-00-807-3840	28480	0140-0071	CAPACITOR, FIXED, MIC	EA	2
5	3	PAHZZ	5910-00-799-8886	28480	0160-0050	CAPACITOR, FIXED, PAP	EA	3
5	4	PAHZZ	5910-00-722-2473	28480	0150-0011	CAPACITOR, FIXED, CER	EA	2
5	5	PAHZZ	5910-00-851-7794	28480	0150-0012	CAPACITOR, FIXED, CER	EA	2
5	6	XDHZZ	5910-00-264-9424	28480	0140-0035	CAPACITOR, FIXED, MIC	EA	1
5	7	PAHZZ	5910-00-225-7147	28480	0140-0032	CAPACITOR, FIXED, MIC	EA	1
5	8	XDHZZ	5910-00-882-3638	28480	0140-0044	CAPACITOR, FIXED, MIC	EA	2
5	9	XDHZZ	5910-00-838-9248	28480	0140-0041	CAPACITOR, FIXEID, MIC	EA	2
5	10	PAHZZ	5910-00-846-7213	28480	0140-0031	CAPACITOR, FIXED, MIC	EA	1
5	11	PAHZZ	5910-00-082-7423	22480	0140-0027	CAPACITOR, FIXED, MIC	EA	1
5	12	PAHZZ	5910-00-034-1849	28480	0140-0007	CAPACITOR, FIXED, MIC	EA	1
5	13	XDHZZ	5910-00-034-1831	28480	0140-0021	CAPACITOR, FIXED, MIC	EA	2
5	14	PAHZZ	5961-00-954-9182	28480	1910-0016	SEMICONDUCTOR DEVIC	EA	1
5	15	PAHZZ	5950-00-715-6371	28480	9140-0022	COIL, RAOIO FREQUENC	EA	1
5	16	PAHZZ	5950-00-820-9760	28480	9140-0019	COIL ,RADIO FREQUENC	EA	1
5	17	PAHZZ	5950-00-087-1330	28480	9140-0020	COIL, RAOIO FREQUENC	EA	1
5	18	PAHZZ	5950-00-075-5460	28480	9140-0021	COIL, RADIO FREQUENC	EA	1
5	19	PAHZZ	5905-00-794-3314	28480	0687-1011	RESISTOR, FIXED, COMP	EA	2
5	20	PAHZZ	5905-00-116-8558	81349	RCR20G155JS	RESISTOR, FIXED, COMP	EA	2
5	21	PAHZZ	5905-00-728-5001	28480	0687-2241	RESISTOR, FIXED, COMP	EA	2
5	22	PAHZZ	5905-00-469-2776	28480	0690-1031	RESISTOR	EA	3
5	23	XDHZZ	5905-00-950-8216	2848	0773-0010	RESISTOR, FIXED, FILM	EA	3
5	24	PAHZZ	5905-00-799-3620	28480	0730-0108	RESISTOR, FIXED, FILM	EA	1
5	25	PAHZZ	5905-00-882-4360	28480	2100-0096	RESISTOR, VARIABLE, N	EA	3
5	26	PAHZZ	5905-00-715-0769	28480	0730-0087	RESISTOR, FIXED, FILM	EA	1
5	27	PAHZZ	5905-01-071-8570	28480	0727-0252	RESISTOR, FIXED, FILM	EA	1
5	28	PAHZZ	5905-00-082-7476	28480	0687-1031	RESISTOR, FIXED, COMP	EA	2
5	29	PAHZZ	5905-00-072-0624	28480	0687-3321	RESISIOR, FIXED, COMP	EA	1
5	30	XDHZZ		28480	0770-0004	RESISTOR, FIXED, FILM	EA	1
5	31	PAHZZ	5905-00-059-4453	28480	0727-0223	RESISTOR, FIXED, FILM	EA	1
5	32	PAHZZ	5905-00-320-8311	01121	HB6821	RESISTOR, FIXED, COMP	EA	1
5	33	PAHZZ	5905-00-448-0699	28480	0730-0082	RESISTOR, FIXED, FILM	EA	1
5	34	PAHZZ	5905-00-825-7219	28480	0730-0083	RESISTOR, FIXED, FILM	EA	1
5	35	PAHZZ	5905-00-141-0596	01121	EB4731	RESISTOR, FIXED, COMP	EA	2
5	36	PAHZZ	5905-00-279-7553	28480	0690-1221	RESISTOR, FIXED, COMP	EA	1
5	37	PAHZZ	5905-00-082-7488	28480	0681-1521	RESISTOR	EA	2
5	38	PAHZZ	5905-00-052-0101	28480	0681-1541	RESISTOR, FIXED, COMP	EA	2
5	39	PAHZZ	5905-00-082-7523	28480	0687-1041	RESISTOR	EA	3

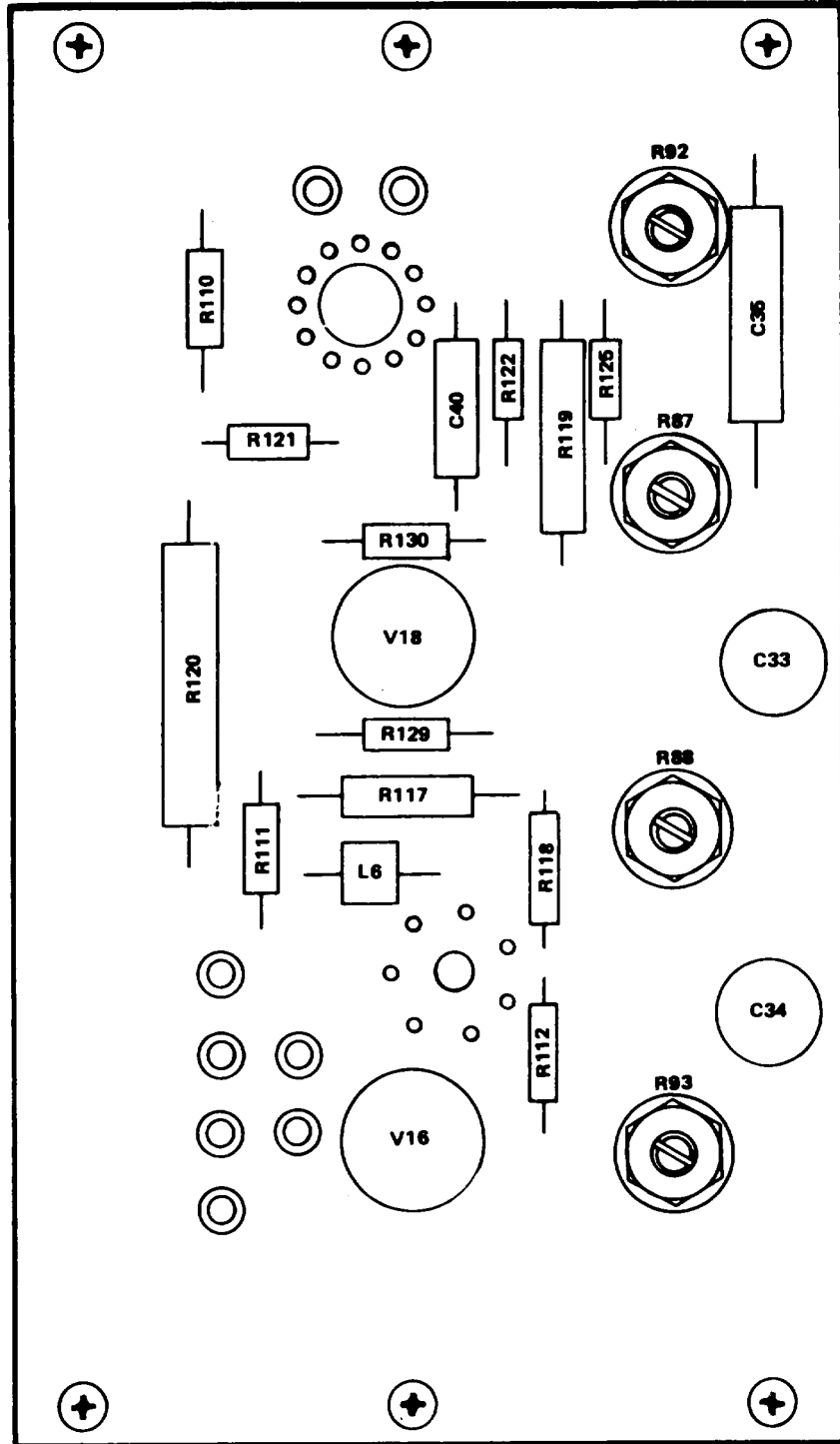
SECTION II

TM 11-6625-2909-24P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
5	40	PAHZZ	5905-00-279-1891	01121	EB3951	RESISTOR, FIXED, COMP	EA	1
5	41	PAHZZ	5905-00-517-0940	01121	HB1531	RESISTOR, FIXED, COMP	EA	1
5	42	PAHZZ	5905-00-964-7083	28480	0690-4?51	RESISTOR, FIXED, COMP	EA	1
5	43	PAHZZ	5905-01-071-5074	28480	0686-7535	RESISTOR, FIXED, COMP	EA	1
5	44	PAHZZ	5905-00-825-6567	01121	EB2251	RESISTOR, FIXED, COMP	EA	1
5	45	PAHZZ	5905-00-082-7518	28480	0687-1221	RESISTOR, FIXED, COMP	EA	1
5	46	XDHZZ	5905-00-577-0941	28480	0693-1231	RESISTOR, FIXED, COMP	EA	1
5	47	PAHZZ	5905-00-082-7506	28480	0687-3921	RESISTOR, FIXED, COMP	EA	1
5	48	PAHZZ	5905-00-114-5456	81349	RCR20G684JS	RESISTOR, FIXED, COMP	EA	1
5	49	PAHZZ	5905-00-141-1071	28480	0687-4741	RESISTOR, FIXED, COMP	EA	1
5	50	PAOZZ	5960-00-134-9919	28480	1930-0013	ELECTRON TUBE	EA	2
5	51	PAOZZ	5960-00-615-5584	28480	1932-0027	ELECTRON TUBE	EA	4
5	52	PAOZZ	5960-00-552-0082	81349	5727	ELECTRON TUBE	EA	2

LEGEND

REF DES	ITEM NO
C33	1
C34	1
C36	2
C40	3
L6	4
R87	5
R88	6
R92	6
R93	6
R110	7
R111	8
R112	9
R117	10
R118	11
R119	12
R120	13
R121	14
R122	15
R125	8
R129	16
R130	16
V16	17
V18	18



PREFIX ALL REFERENCE DESIGNATORS WITH A3

EL3XT010

Figure 6. Circuit Card Assembly, Modulator, A3.

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 03 CIRCUIT CARD ASSEMBLY, MODULATOR, A3		
6	1	PAHZZ	5910-00-799-8886	28480	0160-0050	CAPACITOR, FIXED, PAP	EA	2
6	2	PAHZZ	5910-00-551-9462	28480	0160-3192	CAPACITOR, FIXED, MET	EA	1
6	3	PAHZZ	5910-00-851-7794	28480	0150-0012	CAPACITOR, FIXED, CER	EA	1
6	4	PAHZZ	5950-00-820-9760	28480	9140-0019	COIL, RADIO FREQUENC	EA	1
6	5	PAHZZ	5905-00-752-6967	28480	2100-0045	RESISTOR, VARIABLE, N.....	EA	1
6	6	XDHZZ	5905-00-812-6400	28480	2100-0028	RESISTOR, VARIABLE, N.....	EA	3
6	7	PAHZZ	5905-00-082-7521	28480	0681-8231	RESISTOR, FIXED, COMP	EA	1
6	8	XDHZZ	5905-00-578-0913	28480	0687-1051	RESISTOR, FIXED, COMP	EA	2
6	9	PAHZZ	5905-00-082-7502	28480	0687-2731	RESISTOR, FIXED, COMP	EA	1
6	10	PAHZZ	5905-00-123-9976	28480	0730-0131	RESISTOR, FIXED, FILM	EA	1
6	11	PAHZZ	5905-00-155-1880	28480	0727-0291	RESISTOR, FIXED, FILM	EA	1
6	12	PAHZZ	5905-00-855-7781	28480	0770-0002	RESISTOR, FIXED, FILM	EA	1
6	13	XDHZZ	5905-01-071-8571	28480	0770-0003	RESISTOR, FIXED, FILM	EA	1
6	14	PAHZZ	5905-00-722-1129	28480	0727-0292	RESISTOR, FIXED, FILM	EA	1
6	15	XDHZZ	5905-00-725-1119	28480	0727-0281	RESISTOR, FIXED, FILM	EA	1
6	16	PAHZZ	5905-00-794-3314	28480	0687-1011	RESISTOR, FIXED, COMP	EA	2
6	17	PAOZZ	5960-00-552-0064	28480	1930-0016	ELECTRON TUBE	EA	1
6	18	PAOZZ	5960-00-179-4749	81349	5687WB	ELECTRON TUBE	EA	1

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.
5905-00-023-4837	1	23	5905-00-577-0941	5	46
5910-00-034-1831	5	13	5905-00-578-0913	1	40
5910-00-034-1849	5	12	5905-00-578-0913	4	3
5905-00-050-6962	4	7	5905-00-578-0913	6	8
5905-00-052-0101	5	38	5905-00-586-4492	2	7
5905-00-059-4453	5	31	6625-00-594-0525	1	2
5905-00-062-7096	2	3	5960-00-615-5584	5	S5
5905-00-072-0624	5	29	5935-00-666-0285	1	45
5905-00-072-0650	4	17	5905-00-715-0767	4	5
5930-00-072-0852	1	15	5905-00-715-0769	5	26
5950-00-075-5460	5	18	5950-00-715-6371	5	15
5905-00-079-1619	1	1	5935-00-721-0043	1	24
5935-00-082-0481	1	47	5905-00-722-1129	6	14
5910-00-082-7423	5	8	5910-00-722-2473	5	4
5905-00-082-7476	5	28	5905-00-725-1719	6	15
5905-00-082-7488	5	37	5905-00-728-5001	5	21
5905-00-082-7502	1	4	5905-00-752-6967	6	5
5905-00-082-7502	6	9	5905-00-770-9440	1	3
5905-00-082-7506	5	47	5905-00-794-3314	5	19
5905-00-082-7507	2	8	5905-00-794-3314	6	16
5905-00-082-7510	4	9	5905-00-799-3620	5	24
5905-00-082-7516	2	5	5910-00-799-8886	5	3
5905-00-082-7518	1	41	5910-00-799-8886	6	1
5905-00-082-7518	5	45	5935-00-804-5153	1	42
5905-00-082-7521	6	7	5910-00-807-3840	5	2
5905-00-082-7523	5	39	5905-00-812-6400	1	21
5950-00-087-1330	5	17	5905-00-812-6400	6	6
5910-00-100-8067	5	1	5905-00-817-5335	1	6
5905-00-104-8352	2	2	5950-00-820-9760	5	16
5905-00-106-9353	3	2	5950-00-820-9760	6	4
5905-00-114-5456	5	48	5905-00-825-6567	5	44
5905-00-116-8558	4	2	5905-00-825-7219	5	34
5905-00-116-8558	5	20	5905-00-835-8856	1	17
5905-00-123-9916	6	10	5910-00-838-9248	5	9
5960-00-134-9919	5	50	5905-00-841-6422	1	43
5905-00-141-0596	5	35	5910-00-846-7213	5	10
5905-00-141-1071	5	49	5910-00-851-7794	4	1
5935-00-149-2726	1	7	5910-00-851-7794	5	5
5905-00-155-1880	6	11	5910-00-851-7794	6	3
5905-00-157-0893	4	15	5905-00-853-4863	1	5
5960-00-179-4749	6	18	5910-00-854-6894	1	26
5905-00-192-3979	4	6	5905-00-855-1811	6	12
5910-00-195-8716	1	31	5910-00-882-3638	5	8
5905-00-204-6336	4	19	5905-00-882-4360	5	25
5910-00-225-7147	5	7	5905-00-882-4936	1	22
5935-00-233-6728	1	33	5905-00-894-2401	4	4
5905-00-257-6542	4	8	5930-00-908-1877	1	13
5935-00-258-5811	1	46	5910-00-910-5114	1	25
5960-00-262-0180	1	29	5930-00-918-6875	1	9
5960-00-262-0286	4	24	5950-00-919-3208	1	37
5910-00-264-9424	5	6	5950-00-919-3209	1	36
5905-00-279-1692	4	12	5915-00-930-3956	2	6
5905-00-279-1891	5	40	6105-00-943-4508	1	30
5905-00-279-2553	5	36	5961-00-950-0537	3	1
5950-00-296-1310	1	34	5905-00-950-7406	4	18
5905-00-296-4797	1	27	5905-00-950-8216	5	23
5905-00-320-8311	5	32	6240-00-951-3376	1	11
5905-00-369-6923	2	1	5961-00-954-9182	5	14
5905-00-432-7697	4	16	5905-00-964-7083	5	42
5905-00-436-3450	2	4	5905-00-970-1937	4	13
5905-00-448-0699	5	33	4935-00-982-8631	4	23
5905-00-448-0831	4	20	4935-00-982-8633	4	21
5905-00-456-5215	4	14	6150-01-004-8713	1	12
5905-00-469-2776	5	22	5910-01-040-0409	1	16
5905-00-469-2782	1	44	5945-01-071-5024	1	38
5930-00-472-4997	1	32	5905-01-071-5068	1	28
5930-00-476-9679	1	10	5905-01-071-5074	5	43
5905-00-490-3963	4	11	5905-01-071-5075	4	10
5910-00-523-9777	1	14	5920-01-071-5076	1	35
5905-00-549-7436	2	9	5935-01-071-5147	1	8
5910-00-551-9462	6	2	6625-01-071-5198	1	19
5960-00-552-0064	6	17	6625-01-071-5208	1	20
5960-00-552-0082	5	52	5905-01-071-8570	5	27
5960-00-557-6883	4	22	5905-01-071-8571	6	13
5905-00-577-0940	5	41			

(CONTINUED ON NEXT PAGE)

SECTION IV

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

FSCM	PART NUMBER	FIGURE NO.	ITEM NO.	FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
81349	CE44C470R	1	26	28480	0693-3331	4	6
81349	CM30B561K	5	1	28480	0727-0223	5	31
01121	EB2251	5	44	28480	0727-0244	4	20
01121	EB3951	5	40	28480	0727-0252	5	27
01121	EB4731	5	35	28480	0727-0281	6	15
01121	EB6831	4	4	28480	0727-0291	6	11
01121	GB5641	4	7	28480	0727-0292	6	14
01121	HB1531	5	41	28480	0730-0062	4	19
01121	HB3341	4	8	28480	0730-0082	5	33
01121	HB6821	5	32	28480	0730-0083	5	34
81349	RCR20G155JS	4	2	28480	0730-0087	5	26
81349	RCR20G155JS	5	20	28480	0730-0088	4	11
81349	RCR20G684JS	5	48	28480	0730-0092	4	5
81349	RCR32G153JS	2	2	28480	0730-0097	4	10
81349	RCR32G474JS	3	2	28480	0730-0108	5	24
				28480	0730-0131	6	10
28480	0140-0007	5	12	28480	0770-0002	6	12
28480	0140-0021	5	13	28480	0770-0003	6	13
28480	0140-0027	5	11	28480	0773-0010	5	23
28480	0140-0031	5	10	28480	0816-0006	1	28
28480	0140-0032	5	7	28480	0839-0003	2	9
28480	0140-0035	5	6	28480	0852-0007	1	27
28480	0140-0041	5	9	28480	1120-0037	1	2
28480	0140-0044	5	8	28480	1200-0005	1	42
28480	0140-0071	5	2	28480	1200-0035	1	45
28480	0150-0011	5	4	28480	1250-0074	1	8
28480	0150-0012	4	1	28480	1250-0075	1	7
28480	0150-0012	5	5	28480	1251-0006	1	46
28480	0150-0012	6	3	28480	1251-0007	1	47
28480	0160-0050	5	3	28480	1251-0026	1	24
28480	0160-0050	6	1	28480	1251-2357	1	33
28480	0160-0089	1	25	28480	1901-0029	3	1
28480	0160-0593	1	16	28480	1910-0016	5	14
28480	0160-0595	1	14	28480	1923-0018	4	23
28480	0160-3192	6	2	28480	1923-0021	4	21
28480	0180-0025	1	31	28480	1930-0013	5	50
28480	0490-0009	1	38	28480	1930-0016	6	17
28480	0686-7535	5	43	28480	1932-0010	1	29
28480	0687-1011	5	19	28480	1932-0027	5	51
28480	0687-1011	6	16	28480	1940-0004	4	22
28480	0687-1031	5	28	28480	2100-0014	1	3
28480	0687-1041	5	39	28480	2100-0025	1	23
28480	0687-1051	1	40	28480	2100-0028	1	21
28480	0687-1051	4	3	28480	2100-0028	6	6
28480	0687-1051	6	8	28480	2100-0034	1	1
28480	0687-1221	1	41	28480	2100-0036	1	5
28480	0687-1221	5	45	28480	2100-0045	6	5
28480	0687-1521	5	37	28480	2100-0068	1	22
28480	0687-1541	5	38	28480	2100-0096	5	25
28480	0687-2201	2	7	28480	2100-0098	4	18
28480	0687-2211	2	8	28480	2100-0120	1	17
28480	0687-2241	5	21	28480	2100-0159	1	6
28480	0687-2731	1	4	28480	2110-0055	1	35
28480	0687-2731	6	9	28480	2140-0244	1	11
28480	0687-3301	2	4	28480	3100-0111	1	9
28480	0687-3321	5	29	28480	3100-0121	1	13
28480	0687-3331	4	9	28480	3101-1248	1	10
28480	0687-3901	2	3	28480	3101-1272	1	32
28480	0687-3921	5	47	28480	3102-0001	1	15
28480	0687-3931	4	16	28480	3140-0052	1	30
28480	0687-4711	2	5	81349	5651WA	4	24
28480	0687-4741	5	49	81349	5687WB	6	18
28480	0687-8211	1	39	81349	5727	5	52
28480	0687-8231	6	7	28480	628A-65A	1	19
28480	0690-1001	4	12	28480	628A-65D	1	20
28480	0690-1031	5	22	28480	628A67A	2	6
28480	0690-1051	1	43	28480	8120-1348	1	12
28480	0690-1221	5	36	28480	9100-0114	1	36
28480	0690-2231	2	1	28480	9100-0115	1	37
28480	0690-2241	4	17	28480	9110-0011	1	34
28480	0690-3341	4	13	28480	9140-0019	5	16
28480	0690-4751	5	42	28480	9140-0019	6	4
28480	0693-1041	4	15	28480	9140-0020	5	17
28480	0693-1231	5	46	28480	9140-0021	5	18
28480	0693-1541	4	14	28480	9140-0022	5	15
28480	0693-1801	1	44				

SECTION IV

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

LATEST NATIONAL STOCK NUMBER ASSIGNMENT

STOCK NUMBER	FIGURE NO.	ITEM NO.
6625-01-071-5203	1	18

LATEST PART NUMBER ASSIGNMENTS

FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
28480	0770-0004	5	30
28480	628A-65	1	18

By Order of the Secretary of the Army:

E. C. MEYER

*General, United States Army
Chief of Staff*

Official:

ROBERT M. JOYCE

*Brigadier General, United States Army
The Adjutant General*

Distribution:

Active Army:

TRADOC (2)

DARCOM (1)

OS Maj Comd (1)

USACC (1)

HISA (Ft. Monmouth) (15)

Fort Richardson (CERCOM Ofc) (1)

ARNG: None

USAR: None

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

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