

SECTION VIII
REPLACEABLE PARTS LIST

8-1. INTRODUCTION

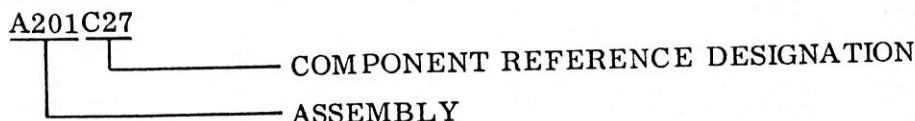
8-2. Replaceable parts for the Model 762-2A Microwave Spectrum Analyzer are listed and illustrated in this section.

8-3. EXPLANATION OF COLUMNS

8-4. The following is an explanation of the data contained in each column of the replaceable parts lists.

- a. Index No. This column references the index number identifying the item in the figure corresponding to the parts list. Assemblies or parts having reference designations assigned to them are not assigned index numbers. These assemblies and parts are identified in the illustrations by their reference designations.
- b. Reference Designation. Parts are listed in sequence by reference designation within each replaceable parts list.

EXAMPLES:



- c. Part No. This column lists the manufacturers' part numbers and standard part numbers for the assemblies and parts.
- d. Vendor Code. This column lists the five-digit manufacturer's code applicable to the part number listed. When no number appears in this column, the manufacturer is the Systron-Donner Corporation whose code is 01220. Manufacturer's codes are contained in Cataloging Handbooks H4-1 and H4-2. A list of codes and corresponding manufacturers names and addresses is included in this section.
- e. Name of Component and Description. The assembly and component names, including values, tolerances, and other pertinent descriptions are listed in this column. Numbers in parentheses in this column are Systron-Donner part numbers assigned to other manufacturers' parts.

f. Qty. This column lists the number of assemblies or components used in one next higher assembly.

-5. NUMERICAL PARTS LIST

-6. An alpha-numerical listing of all replaceable parts follows the replaceable parts lists.

-7. MANUFACTURERS' CODES

<u>CODE</u>	<u>NAME</u>
00779	AMP, Inc. P. O. Box 3608 Harrisburg, Pa. 17105
01121	Allen-Bradley Co. Milwaukee, Wis. 53204
01220	Systron-Donner Corp. Microwave Division Van Nuys, Ca. 91409
02114	Ferroxcube Corp. of America Saugerties, NY 12477
02660	Amphenol Corp., Broadview, Il. 60153
02799	Arco Capacitors, Inc., Los Angeles, Ca.
04713	Motorola Semiconductor Products Division Inc., Phoenix, Ariz. 85008
05245	Components Corp. 2857 N. Halsted St. Chicago, Il. 60657
05820	Wakefield Engineering Co., Wakefield, Mass. 01880
06811	Systron-Donner Corp. Concord, Ca. 94520
07263	Fairchild Camera and Inst. Corp., Semiconductor Division Mountain View, Ca.
08116	Bourns Pacific Magnetics Corp. P. O. Box 1398 Romoland, Ca. 92380

<u>CODE</u>	<u>NAME</u>
08547	R. G. Wallace Co., Inc. 2301 E. Del Amo Blvd. Compton, Ca. 90220
08730	Vemaline Products Co., Inc. P.O. Box 3 Wyckoff, NJ 07481
09353	C and K Components, Inc. 103 Morse St. Watertown, Ma. 02172
14655	Cornell-Dubilier Electronics Division Federal Pacific Electric Co., Newark, NJ 07105
14752	Electro Cube Inc., San Gabriel, Ca. 91776
15717	Corry Micronics, Inc. Rte 6, West Roosevelt Hwy Corry, Pa. 16407
16179	Omni Spectra, Inc. 24600 Hallwood Ct. Farmington, Mi. 48024
17117	Electronic Molding Corp., Pawtucket, R.I. 02860
21317	Electronic Applications Co., El Monte, Ca. 90270
21604	The Buckeye Stamping Co. 555 Marion Rd. Columbus, Oh 43207
24539	Avantek, Inc. 2981 Copper Rd. Santa Clara, CA 95051
24602	EMC Technology Inc., Philadelphia, Pa.
26805	Americon Corp., Waltham, Mass. 02154
27014	National Semi-Conductor Corp., Santa Clara, CA 95051

<u>CODE</u>	<u>NAME</u>
28480	Hewlett-Packard Co., Palo Alto, Ca. 94304
28520	Heyman Mfg. Co. 147 N. Michigan Ave. Kenilworth, NJ 07033
32997	Bournes Inc., Trimpot Products Division Riverside, Ca. 92507
34078	Midwest Microwave Inc. 3800 Packard Rd. Ann Arbor, Mi. 48104
43543	Nytronics Inc., Transformer Co. Div., Alpha, NJ 08866
50139	Allen Bradley Co. P.O. Box 2338 Salt Lake City, Ut 84110
56289	Sprague Electric Co., North Adams, Mass. 01247
71450	CTS Corp., Elkhart, Ind. 46514
71590	Centralab Division of Glove Union Inc., Milwaukee, Wis.
71744	Chicago Miniature Lamp Works Chicago, Il. 60640
72136	The Electro Motive Mfg. Co., Inc. South Park and John Streets Willimantic, Ct. 06226
72259	Nytronics, Inc. 10 Pelham Parkway Pelham Manor, NY 10803
72982	Erie Technological Products, Inc. Erie, Pa. 16512
73138	Beckman Instruments, Inc., Helipot Division Fullerton, Ca. 92634

<u>CODE</u>	<u>NAME</u>
73803	Texas Instruments, Inc. Metallurgical Materials Div. Attleboro, Ma. 02703
75003	Joy Mfg. Co. 325 Buffalo St. Franklin, Pa. 16323
75037	Minnesota Mining and Mfg. Co., Electro Products Div., St. Paul, Minn. 55101
75042	TRW Electronic Components 401 N. Broad St. Philadelphia, Pa. 19108
75915	Littlefuse, Inc., Des Plaines, Il. 60016
76493	J. W. Miller Co., Los Angeles, Ca. 90003
79727	C-W Industries 550 Davisville Rd. Warminster, PA 18974
80205	National Aerospace Standards Committee, Aerospace Industries Association of America, Inc. 1725 De Sales, NW Washington, D.C. 20036
80294	Bournes, Inc. Riverside, Ca. 92507
80740	Beckman Instruments, Inc. 2500 Harbor Blvd. Fullerton, Ca. 92634
81349	Military Specifications Promulgated by Standardization Division, Directorate of Logistic Services
83125	General Instrument Corp., Capacitor Division Darlington, S.C.
83330	Herman H. Smith, Inc. 812 Snediker Ave. Brooklyn, NY 11207

<u>CODE</u>	<u>NAME</u>
84171	Arco Electronics Inc., Great Neck, NY 11022
90201	Mallory Capacitor Co. 3029 E. Washington St. Indianapolis, In 46206
91506	Augat Inc., Attleboro, Mass. 02703
91637	Dale Electronics, Inc. P.O. Box 609 Columbus, Ne. 68601
95146	Alco Electronics Products, Inc. Lawrence, Mass. 01843
95263	Leecraft Mfg. Co., Inc. 21-16 44th Rd. Long Island City, NY 11101
96906	Military Standards Promulgated by Military Departments Under Authority of Defense Standardization Manual 4120.3M
98291	Sealectro Corp., Mamaroneck, NY
98987	Keolyn Plastics, Inc. 2725 N. Pulaski Road Chicago, Il. 60639
99800	Delevan Electronics Corp., East Aurora, NY 14052

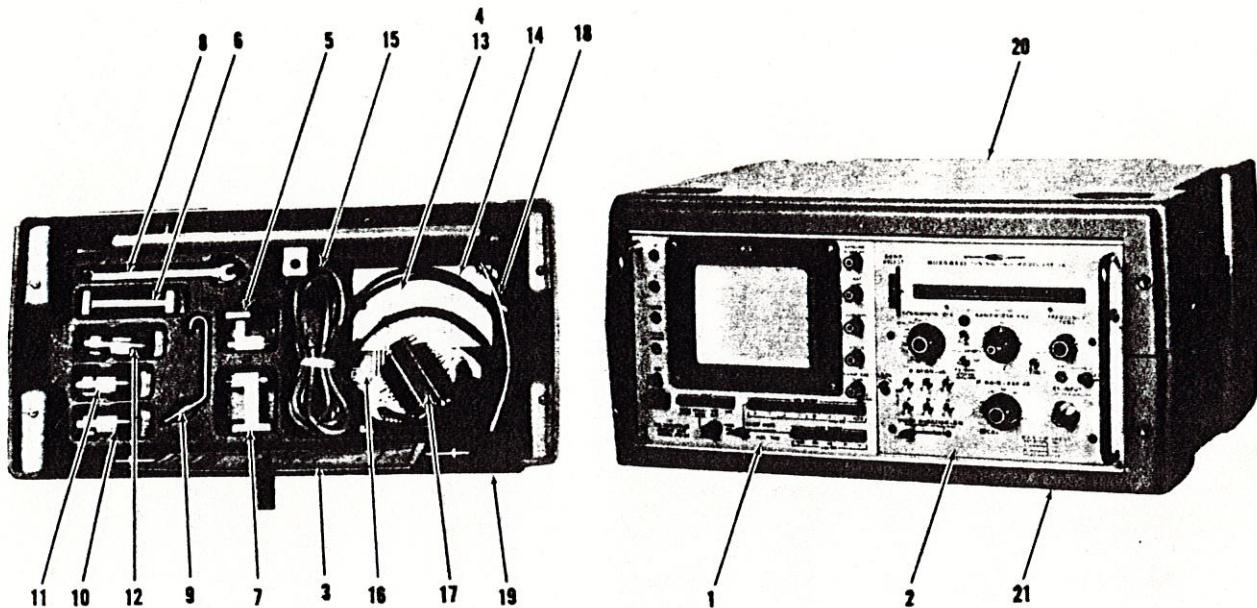


Figure 8-1. Spectrum Analyzer, Model 762-2A

Parts List for Figure 8-1

Index No.	Reference Designation	Part No.	Vendor Code	Name of Component and Description	Qty.
1		110247 110536		SPECTRUM ANALYZER, MODEL 762-2A STANDARD PERSISTENCE DISPLAY UNIT MODEL 712-2A (See Figure 8-2)	1
2		110510		MICROWAVE TUNING UNIT, MODEL 809-2A (See Figure 8-7)	1
3		110667		PARTS LIST, LAMINATED	1
4		109278		LABEL, 230V FUSE	1
5		110571		MIXER	1
6		110572		TRANSITION, 26.5 - 40 GHz	1
7		109334		MIXER	1
8		109623		WRENCH	1
9		109241		TOOL, BOARD EXTRACTOR	1
10		381-10	34078	ATTENUATOR, FIXED RES N-PAD, 10 dB (108326)	1
11		381-20	34078	ATTENUATOR, FIXED RES N-PAD, 20 dB (108327)	1
12		381-40	34078	ATTENUATOR, FIXED RES N-PAD, 40 dB (108328)	1
13		313-500	75915	FUSE, 3AGSB, 1/2 AMP, 125V (107592)	1
14		110567		CABLE, EXTERNAL MIXER	1
15		107089		CABLE, POWER LINE	1
16		10961701		EXTENDER BOARD	1
17		109618		EXTENDER CABLE, TUNING UNIT	1
18		109620		EXTENDER CABLE, IF RACK	1
19		110609		COVER ASSEMBLY, ENCLOSURE	1
20		110607		ENCLOSURE ASSEMBLY, OUTER SHELL TOP	1
21		110608		ENCLOSURE ASSEMBLY, OUTER SHELL BOTTOM	1

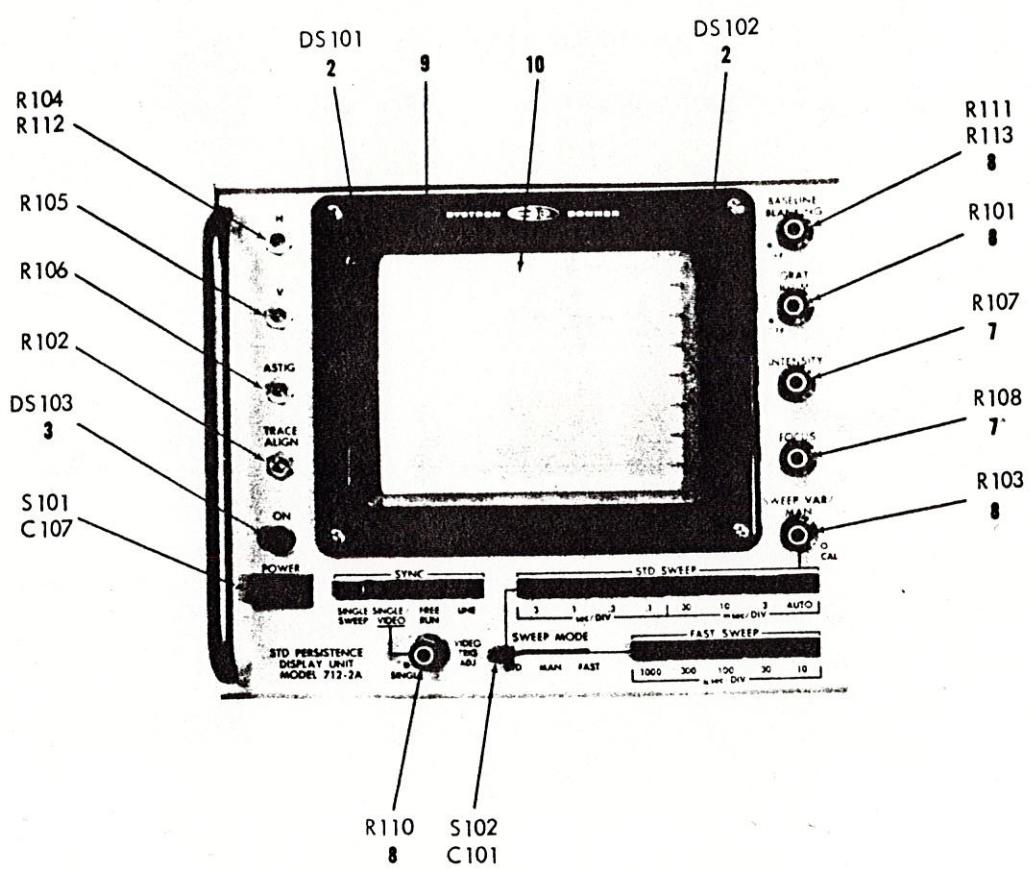


Figure 8-2. Display Unit, Model 712-2A (Sheet 1 of 4)

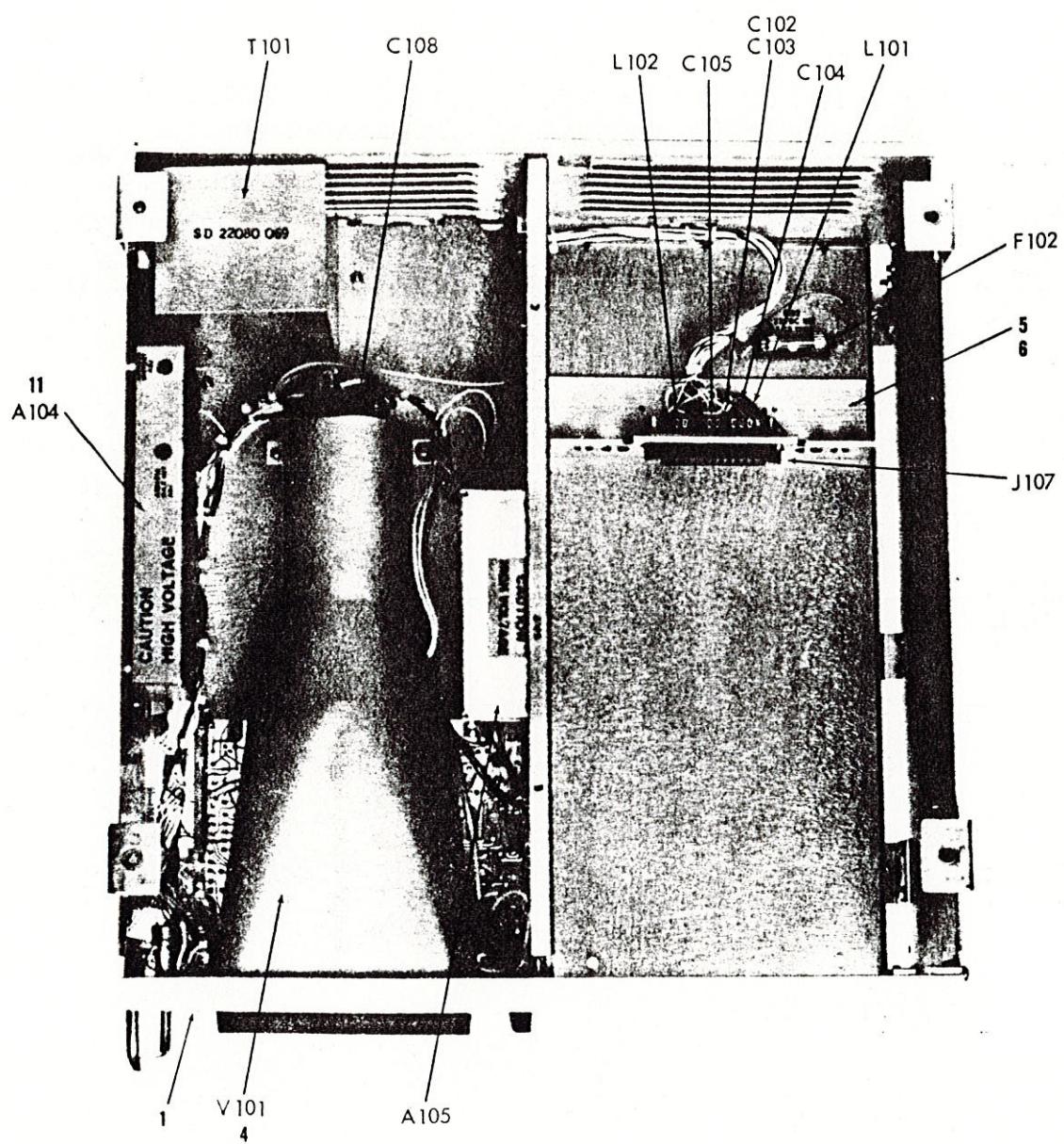


Figure 8-2. Display Unit, Model 712-2A (Sheet 2 of 4)

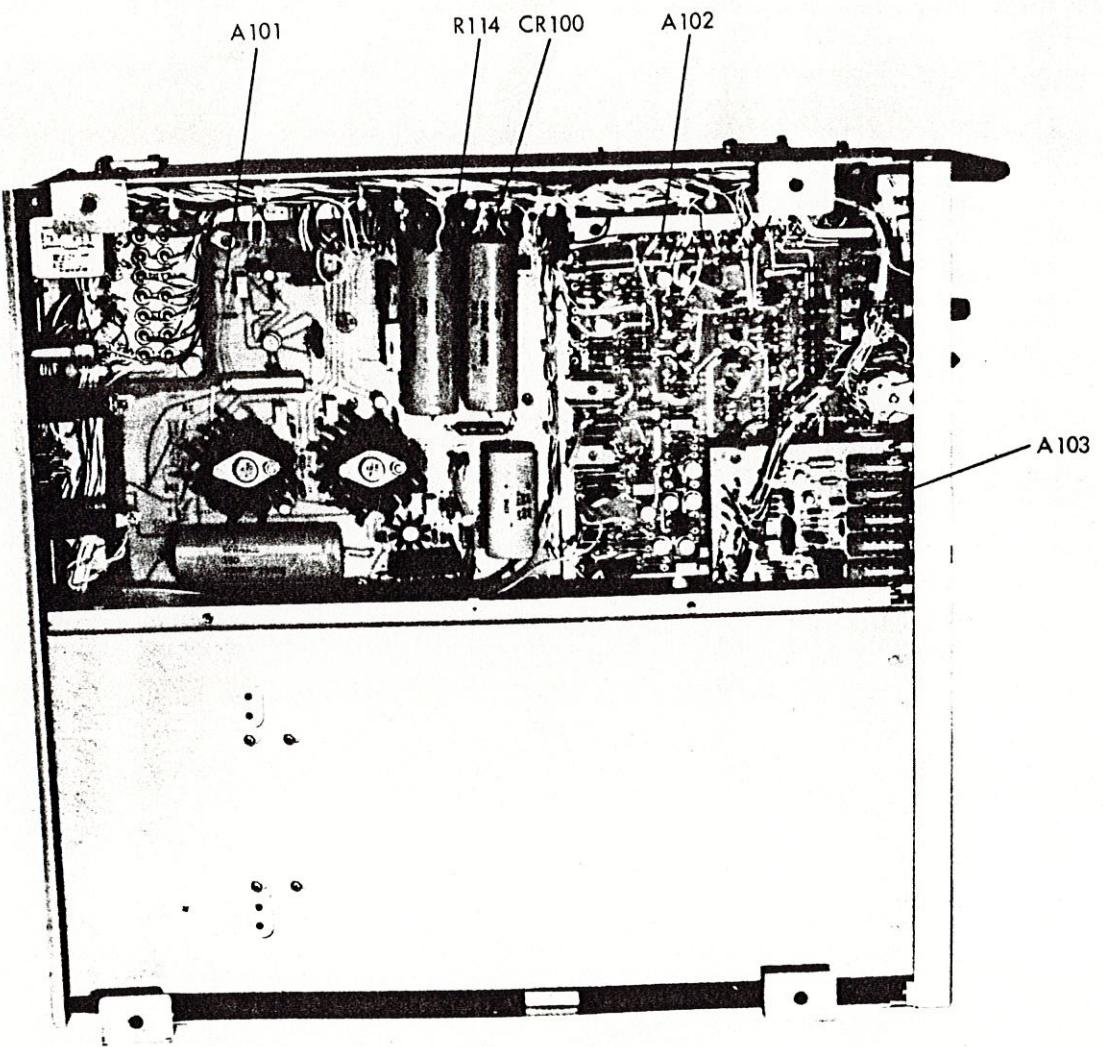


Figure 8-2. Display Unit, Model 712-2A (Sheet 3 of 4)

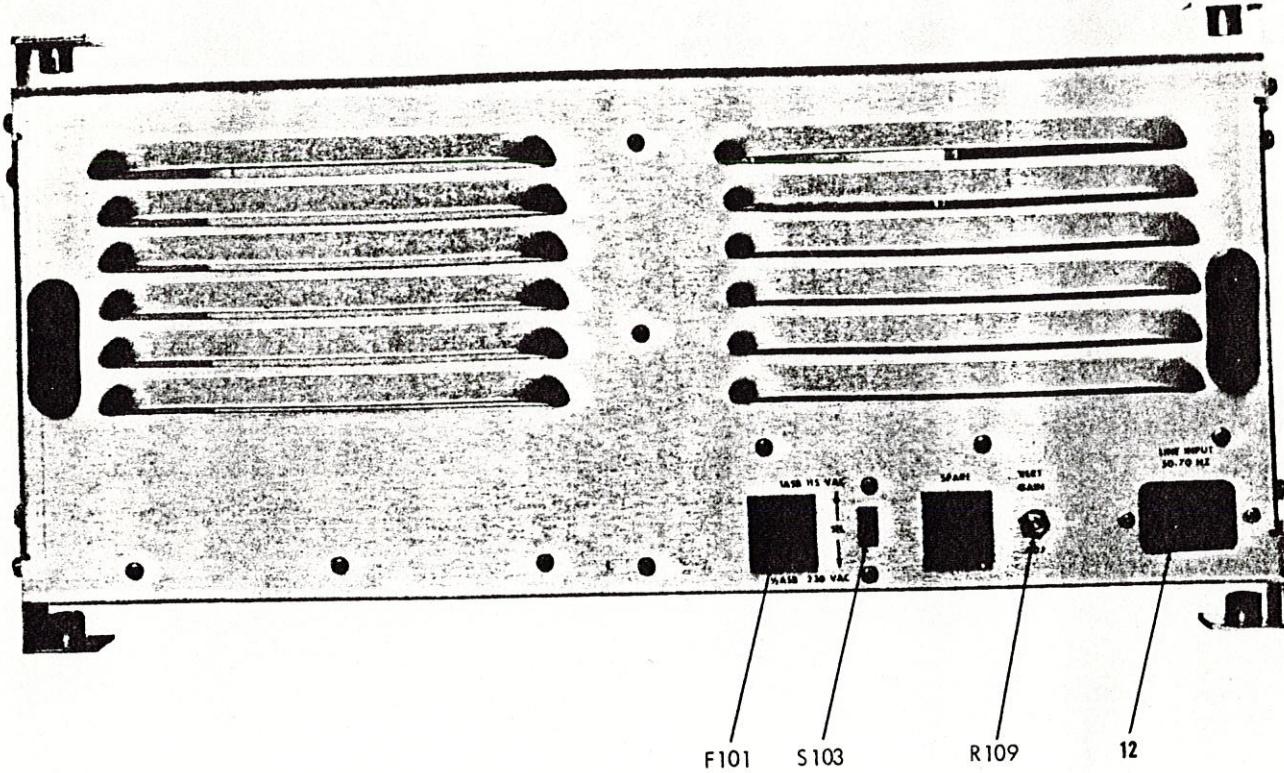


Figure 8-2. Display Unit, Model 712-2A (Sheet 4 of 4)

Parts List for Figure 8-2

Index No.	Reference Designation	Part No.	Vendor Code	Name of Component and Description	Qty.
		110536		DISPLAY UNIT, MODEL 712-2A	1
	A101	11044802		BOARD ASSY, POWER SUPPLY (See Figure 8-3)	1
	A102	11044901		BOARD ASSY, SWEEP & VERT AMPLIFIER (See Figure 8-4)	1
	A103	11045001		BOARD ASSY, FAST SWEEP & SYNC (See Figure 8-5)	1
	A104	11045101		BOARD ASSY, HI-VOLTAGE DIVIDER & BLANKING (See Figure 8-6)	1
	A105	110491		POWER SUPPLY, HI-VOLTAGE	1
	C108	5HK-S50	56289	CAPACITOR, C DISC, 0.050 uf, 500V, +80 -20% (107808)	1
	CR100	1N5377B	81349	DIODE, REF, 91V, 5W, 5% (107883)	1
	F101	313001	75915	FUSE, 3AGSB, 1A, 250V, 0.25 by 1.25 in. (100584)	1
	F102	313002	75915	FUSE, 3AGSB, 2A, 250V, 0.25 by 1.25 in. (100585)	1
	R109	WA2GO40P102UA	01121	POTENTIOMETER, 1T, 1K, 1/2W, 10%, LINEAR (107768)	1
	R114	RC32GF220J	81349	RESISTOR, CC, 1W, 22 OHM, 5% (101705)	1
	S103	GP-626DPDT	79727	SWITCH, 115/230 (107080)	1
	T101	110490		TRANSFORMER	1
	V101	110488		CRT	1
		110539		PANEL ASSY, FRONT	1
1	C101	CS13BF475K	81349	CAPACITOR, TANT, 4.7 uf, 33V, 10% (100071)	1
	C107	625B1A155F	14752	CAPACITOR, PLYCRB, 1.5 uf, 50V, 1% (107858)	1
2		16-08	95263	SOCKET, LAMP (107960)	2
3		MCM-100 GREEN	95146	SOCKET, LAMP (108324)	1
	R101	GS1G036P201UA	01121	POTENTIOMETER, W/SW, 200 OHM, 10%, 1/2W, LIN HWS (107776)	1
	R102	GD1G056S102UA	01121	POTENTIOMETER, DUAL, 1K, 1/2W, 10%, LIN HW SUP (107799)	1
	R103	110461		RESISTOR, VAR, HOT MOLDED, 250K, 1/2W	1
	R104, R105	WA2GO56S102UA	01121	POTENTIOMETER, 1T, 1K, 10%, 1/2W, LIN, 1/8 S/S (107769)	2
	R106	WA2GO56S503UA	01121	POTENTIOMETER, 1T, 50K, 10%, 1/2W, H/W SUP (107772)	1
	R107, R108	110460		RESISTOR, VAR, 5 MEG	2
	R110, R111	GS1G036P502UA	01121	POTENTIOMETER, W/SW, 5K, 10%, LIN TAP W/DPST R (107777)	2
	R112	RC07GF102J	81349	RESISTOR, CC, 1/4W, 1.0K, 5% (101569)	1
	R113	RN55D2212F	81349	RESISTOR, MF, 22.1K, 1/8W, 1%, 100PPM (107519)	1
	S101	110459		SWITCH, POWER	1
	S102	110462		SWITCH, SWEEP MODE	1
	DS103	1112	95146	LAMP, INCANDESCENT, 14V, 0.65 AMP (108325)	1
	DS101, DS102	CM1768L	71744	LAMP, INCANDESCENT, 6V, 22AMP (107961)	2
4	Q101	2N3440	81349	TRANSISTOR, SINPN (101420)	1
		110467		SHIELD ASSY	1
		110473		CONNECTOR ASSY	1
	C102	984-603B	83125	CAPACITOR, EL AX, 10 uf, 15V (107830)	1
	C103, C104	831-010-X5U102M	72982	CAPACITOR, C DISC, 0.001 uf, 500 VDCW, 20% (107285)	2
	C105	985-610C	83125	CAPACITOR, EL AX, 100 uf, 15V (107835)	1
	J107	26-190-24	02660	CONNECTOR, R AND PNL, 24 PIN, FEMALE FEMALE (107093)	1
5	L101, L102	9360-12	76493	CHOKE, RF, 100uh, 10%, IRON CORE (107976)	2
		110474		BRACKET, CONNECTOR MOUNTING	1

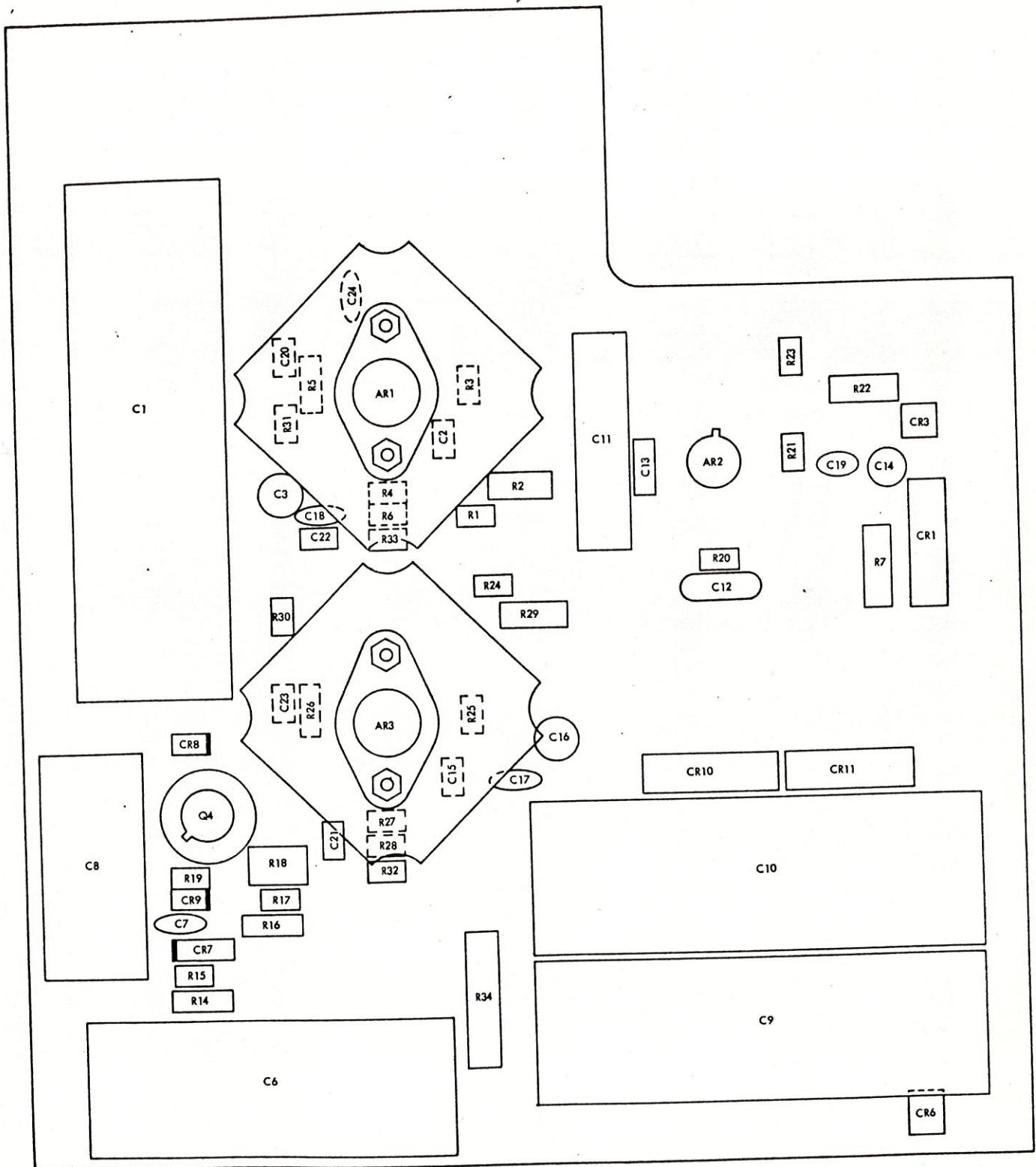


Figure 8-3. Power Supply Board Assembly A101

Parts List for Figure 8-2 (cont)

Index No.	Reference Designation	Part No.	Vendor Code	Name of Component and Description	Qty.
7		IRQ-5000-1-BLK	21604	KNOB, BLACK (107101)	2
8		IRQ-5001-1-BLK	21604	KNOB, BLACK (107102)	4
9		110481		BEZEL	1
10		110479		GRATICULE	1
11		110486		COVER, HI-VOLTAGE BOARD	1
12		6EF1-E1	05245	RECEPTACLE, POWER LINE IN WITH RFI FILTER (107079)	1

Parts List for Figure 8-3

Index No.	Reference Designation	Part No.	Vendor Code	Name of Component and Description	Qty.
	A101	11044802		BOARD ASSY, POWER SUPPLY	1
	A101AR1	MC1461R	04713	INTEGRATED CKT, VOLT REGULATOR (107908)	1
	A101AR2	MC1463G	04713	INTEGRATED CKT, VOLT REGULATOR (107909)	1
	A101AR3	MC1461R	04713	INTEGRATED CKT, VOLT REGULATOR (107908)	1
	A101C1	39D408G025JS4	56289	CAPACITOR, EL CAN, 4000 uf, 25V (107843)	1
	A101C2	8131-100651104M	72982	CAPACITOR, C DIP, 0.1 uf, 100V, 20% (107039)	1
	A101C3	985-603A	83125	CAPACITOR, EL AX, 10 uf, 15V (107829)	1
	A101C6	BR-100-350	14655	CAPACITOR, EL AX, 100 uf, 350V (107838)	1
	A101C7	TG-S10	56289	CAPACITOR, C DISC, 0.01 uf, 100V, 20% (107291)	1
	A101C8	BR-20-250	14655	CAPACITOR, EL AX, 20 uf, 250V (106451)	1
	A101C9, C10	39D308G030JS4	56289	CAPACITOR, EL CAN, 3000 uf, 30V (107014)	2
	A101C11	TE1213	56289	CAPACITOR, EL AX, 200 uf, 25V, +75 -10% (102582)	1
	A101C12	CM06DD112J01	84171	CAPACITOR, D MICA, 1100 pf, 500V, 5% (107851)	1
	A101C13	8131-100651104M	72982	CAPACITOR, C DIP, 0.1 uf, 100V, 20% (107039)	1
	A101C14	985-603A	83125	CAPACITOR, EL AX, 10 uf, 15V (107829)	1
	A101C15	8131-100651104M	72982	CAPACITOR, C DIP, 0.1 uf, 100V, 20% (107039)	1
	A101C16	985-603A	83125	CAPACITOR, EL AX, 10 uf, 15V (107829)	1
	A101C17, C18,	TG-S10	56289	CAPACITOR, C DISC, 0.01 uf, 100V, 20% (107291)	3
	C19			CAPACITOR, C DIP, 0.1 uf, 100V, 20%	4
	A101C20 thru	8131-100651104M	72982	(107039)	
	C23			CAPACITOR, C DISC, 0.01 uf, 100V, 20%	1
	A101C24	TG-S10	56289	(107291)	
	A101CR1	MDA970-1	04713	DIODE, RECTIFIER (107008)	1
	A101CR3	MDA920A-3	04713	DIODE, BRIDGE RECTIFIER (107876)	1
	A101CR6	MDA920A-7	04713	DIODE, BRIDGE RECTIFIER (107877)	1
	A101CR7	1N5357B	81349	DIODE, REF, 20V, 5W (107882)	1
	A101CR8, CR9	1N4758A	81349	DIODE, REF (107881)	2
	A101CR10,	MDA970-1	04713	DIODE, RECTIFIER (107008)	2
	CR11				
	A101Q4	2N3440	81349	TRANSISTOR, SINPN (101420)	1
	A101R1	RN55D6811F	81349	RESISTOR, MF, 6.81K, 1/8W, 1% (107460)	1
	A101R2	66WR10K	80740	POTENTIOMETER, 20T, PC, 10K, 1/2W, 10% (107791)	1
	A101R3	RN55D1502F	81349	RESISTOR, MF, 15K, 1/8W, 1% (107254)	1
	A101R4	RC07GF472J	81349	RESISTOR, CC, 4.7K, 1/4W, 5% (101598)	1
	A101R5	BW20-.51	75042	RESISTOR, WW, 0.51 OHM, 1W, 5% (107763)	1
	A101R6	RC07GF133J	81349	RESISTOR, CC, 13K, 1/4W, 5% (101594)	1
	A101R7	RC32GF151J	81349	RESISTOR, CC, 150 OHM, 1W, 5% (106021)	1
	A101R14	108472	81349	RESISTOR, CC, 15K, 1/2W, 5%	1
	A101R15	RC07GF203J	81349	RESISTOR, CC, 20K, 1/4W, 5% (101607)	1
	A101R16	RC20GF104J	81349	RESISTOR, CC, 100K, 1/2W, 5% (101480)	1
	A101R17	108471	81349	RESISTOR, MF, 66.5K, 1/8W, 1%	1
	A101R18	66WR10K	80740	POTENTIOMETER, 20T, PC, 10K, CER, 1/2W, 10% (107791)	1
	A101R19	RN55D7872F	81349	RESISTOR, MF, 78.7K, 1/8W, 1% (107726)	1
	A101R20	RC07GF100J	81349	RESISTOR, CC, 10 OHM, 1/4W, 5% (101557)	1
	A101R21	RN55D1301F	81349	RESISTOR, MF, 1.3K, 1/8W, 1% (107429)	1
	A101R22	66WR5K	80740	POTENTIOMETER, 20T, PC, 5K, CER, 1/2W, 10% (107790)	1
	A101R23, R24	RN55D6811F	81349	RESISTOR, MF, 6.81K, 1/8W, 1% (107460)	2
	A101R25	RN55D1502F	81349	RESISTOR, MF, 15K, 1/8W, 1% (107254)	1
	A101R26	BW20-.33	75042	RESISTOR, WW, 0.33 OHM, 1W, 5% (107762)	1
	A101R27	RC07GF472J	81349	RESISTOR, CC, 4.7K, 1/4W, 5% (101598)	1
	A101R28	RC07GF133J	81349	RESISTOR, CC, 13K, 1/4W, 5% (101594)	1
	A101R29	66WR10K	80740	POTENTIOMETER, 20T, PC, 10K, CER, 1/2W, 10% (107791)	1

Parts List for Figure 8-3 (cont)

Index No.	Reference Designation	Part No.	Vendor Code	Name of Component and Description	Qty.
1	A101R30 thru R33 A101R34	RC07GF3R0J 243E3025 207-AP	81349 56289 05820	RESISTOR, CC, 3 OHM, 1/4W, 5% (101765) RESISTOR, WW, 3K, 5W, 5% (107767) HEATSINK, TO-5, .72D, .38H, 4-5 C/W (107005)	4 1 2
2		85931-6	00779	CONNECTOR, ICKT, PC PIN (107121)	25
3		6349-188-1	17117	SOCKET, IC (107915)	2
4		UP2-T066-52CB	98978	HEATSINK, TOGG TYPE, ALUM (108006)	2

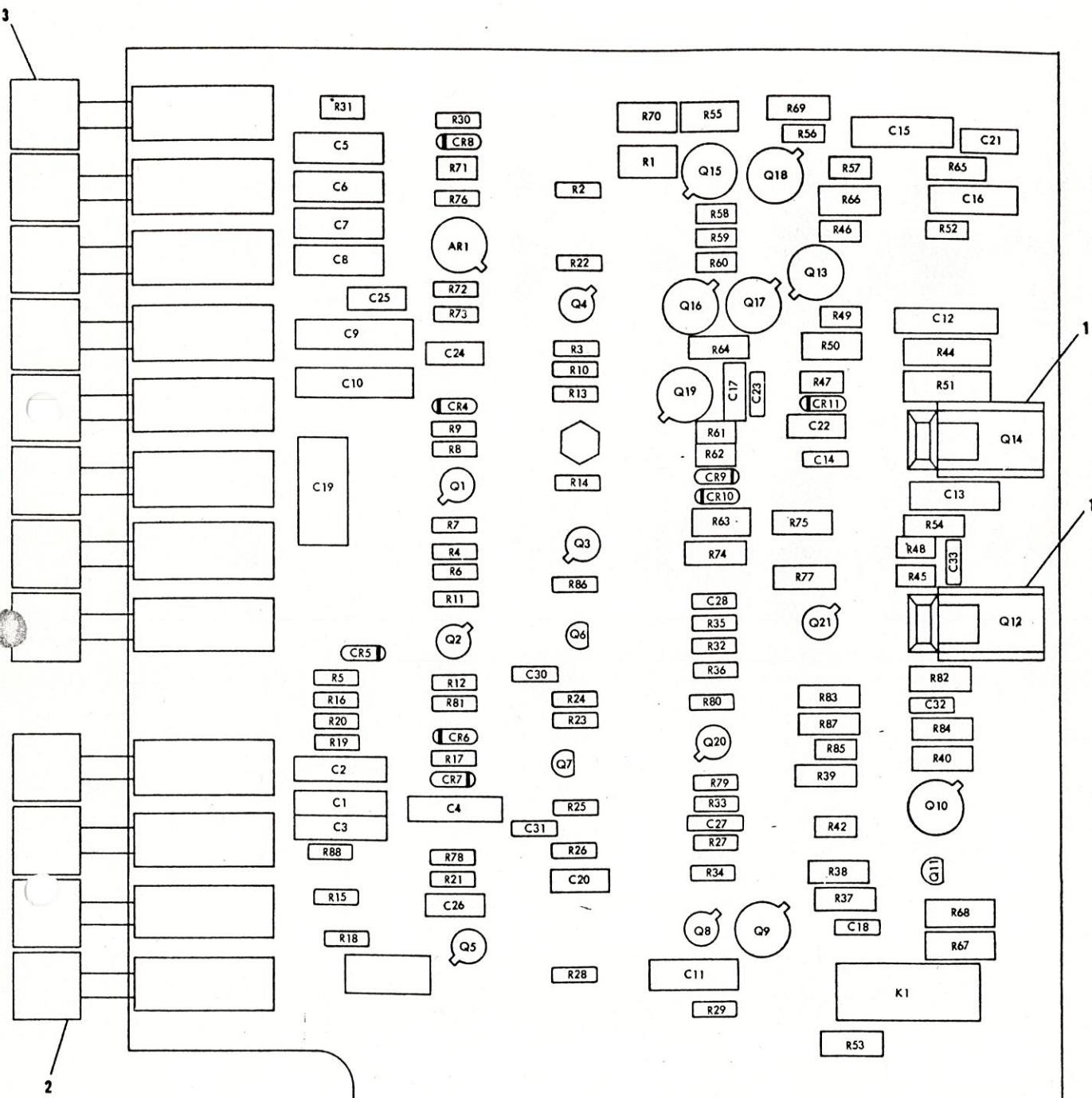


Figure 8-4. Sweep & Vert Amplifier Integrated Ckt A102

Parts List for Figure 8-4

Index No.	Reference Designation	Part No.	Vendor Code	Name of Component and Description	Qty.
	A102	11044901		BOARD ASSY, SWEEP & VERT AMPLIFIER	1
	A102AR1	776HC	07263	INTEGRATED CKT (107910)	1
	A102C1, C2, C3	TG-S30	56289	CAPACITOR, C DISC, .03 uf, 100V (107805)	3
	A102C4	5C023474X025083	56289	CAPACITOR, C MOLD, .47 uf, 25V, 20% (107287)	1
	A102C5	CS13BF474K	81349	CAPACITOR, TANT, .47 uf, 35V, 10% (100140)	1
	A102C6	CS13BE155K	56289	CAPACITOR, TANT, 1.5 uf, 20V, 10% (107821)	1
	A102C7	CS13BF475K	81349	CAPACITOR, TANT, 4.7 uf, 35V, 10% (100071)	1
	A102C8	CSR13E156KL	81349	CAPACITOR, TANT, 15 uf, 20V, 10% (100211)	1
	A102C9	CS13BF476K	81349	CAPACITOR, TANT, 47 uf, 35V, 10% (100197)	1
	A102C10	150D157X9015S2	56289	CAPACITOR, TANT, 150 uf, 15V, 10% (100209)	1
	A102C11	CS13BF105K	81349	CAPACITOR, TANT, 1 uf, 35V, 10% (100082)	1
	A102C12	5HK-S50	56289	CAPACITOR, C DISC, .05 uf, 500V, +80 -20% (107808)	1
	A102C13	984-603B	83125	CAPACITOR, EL AX, 10 uf, 15V (107830)	1
	A102C14	8131-100651224	72982	CAPACITOR, C DIP, .1 uf, 100V, 20% (107039)	1
	A102C15	5HK-S50	56289	CAPACITOR, C DISC, .05 uf, 500V, +80 -20% (107808)	1
	A102C16	984-603B	83125	CAPACITOR, EL AX, 10 uf, 15V (107830)	1
	A102C17, C18	8131-100651224	72982	CAPACITOR, C DIP, .1 uf, 100V, 20% (107039)	2
	A102C19	137D477X9008F2	56289	CAPACITOR, TANT, 470 uf, 8V, 10% (107828)	1
	A102C20 thru C25	TG-S10	56289	CAPACITOR, C DISC, .01 uf, 100V, 20% (107291)	6
	A102C26	DM10-101J	72136	CAPACITOR, D MICA, 100 pf, 500V, 5% (100252)	1
	A102C27	TG-S10	56289	CAPACITOR, C DISC, .01 uf, 100V, 20% (107291)	1
	A102C28 thru C32	8131-100651224	72982	CAPACITOR, C DIP, .1 uf, 100V, 20% (107039)	5
	A102C33	831-010X5U102M	72982	CAPACITOR, C DISC, 0.001 uf, 500V, 20% (107285)	1
	A102CR4	1N914	81349	DIODE, SIGNAL, 100V (107042)	1
	A102CR5, CR6, CR7	1N456A	81349	DIODE, SIGNAL (107864)	3
	A102CR8	1N754A	81349	DIODE, REF (107879)	1
	A102CR9, CR10, CR11	1N456A	81349	DIODE, SIGNAL (107864)	3
	A102K1	101-001-12	31951	RELAY REED, TYPE SPST, 12 VDC (107965)	1
	A102Q1 thru Q5	2N2222A	81349	TRANSISTOR, SINPN (113351)	5
	A102Q6	2N3906	81349	TRANSISTOR, SIPNP (101378)	1
	A102Q7	2N3391A	81349	TRANSISTOR, SINPN (107319)	1
	A102Q8	2N2222A	81349	TRANSISTOR, SINPN (113351)	1
	A102Q9, Q10	2N1711	81349	TRANSISTOR, SINPN (107892)	2
	A102Q11	2N3906	81349	TRANSISTOR, SIPNP (101378)	1
	A102Q12	MPS-U10	04713	TRANSISTOR, SINPN (107903)	1
	A102Q13	2N1711	81349	TRANSISTOR, SINPN (107892)	1
	A102Q14	MPS-U10	04713	TRANSISTOR, SINPN (107903)	1
	A102Q15 thru Q18	2N3440	81349	TRANSISTOR, SINPN (101420)	4
	A102Q19	2N1711	81349	TRANSISTOR, SINPN (107892)	1
	A102Q20, Q21	2N2222A	81349	TRANSISTOR, SINPN (113351)	2
	A102R1	66WR20K	73138	POTENTIOMETER, 20T, PC, 20K, 1/4W, 10% (102161)	1
	A102R2	RN55D3012F	81349	RESISTOR, MF, 30.1K, 1/8W, 1% (107022)	1
	A102R3	RC07GF101J	81349	RESISTOR, CC, 100 OHM, 1/4W, 5% (101609)	1
	A102R4	RC07GF153J	81349	RESISTOR, CC, 15K, 1/4W, 5% (101552)	1
	A102R5	RC07GF273J	81349	RESISTOR, CC, 27K, 1/4W, 5% (101587)	1
	A102R6	RC07GF751J	81349	RESISTOR, CC, 750 OHM, 1/4W, 5% (101689)	1
	A102R7, R8	RC07GF113J	81349	RESISTOR, CC, 11K, 1/4W, 5% (101754)	2
	A102R9	RC07GF182J	81349	RESISTOR, CC, 1.8K, 1/4W, 5% (101602)	1
	A102R10	RC07GF202J	81349	RESISTOR, CC, 2K, 1/4W, 5% (101553)	1
	A102R11	RC07GF243J	81349	RESISTOR, CC, 24K, 1/4W, 5% (101554)	1
	A102R12	RC07GF102J	81349	RESISTOR, CC, 1K, 1/4W, 5% (101569)	1
	A102R13	RC07GF512J	81349	RESISTOR, CC, 5.1K, 1/4W, 5% (101541)	1
	A102R14	RC07GF682J	81349	RESISTOR, CC, 6.8K, 1/4W, 5% (101544)	1

Parts List for Figure 8-5

Index No.	Reference Designation	Part No.	Vendor Code	Name of Component and Description	Qty.
	A103	11045001		BOARD ASSY, FAST SWEEP & SYNC AMPLIFIER	1
	A103C1	150D154X9035A2	56289	CAPACITOR, TANT, .15 uf, 35V, 10% (107818)	1
	A103C2	8131-100W5R0473K	72982	CAPACITOR, C MOLD, .047 uf, 100V, 10% (107807)	1
	A103C3	8131-100W5R0153K	72982	CAPACITOR, C MOLD, .015 uf, 100V, 10% (107803)	1
	A103C4	CM06DD472J01	84171	CAPACITOR, D MICA, 4700 pf, 500V, 5% (107854)	1
	A103C5	DM19-152J	84171	CAPACITOR, D MICA, 1500 pf, 500V, 5%	1
	A103C6	DM19-332J	02799	CAPACITOR, D MICA, 3300 pf, 500V, 5% (106401)	1
	A103C7	TG-S20	56289	CAPACITOR, C DISC, .02 uf, 50V, 20% (107804)	1
	A103C8	8131-100651334M	72982	CAPACITOR, C DIP, .33 uf, 100V, 20% (107295)	1
	A103C9	DM15FD151J	72136	CAPACITOR, D MICA, 150 pf, 500V, 5% (100219)	1
	A103C10	TG-S10	56289	CAPACITOR, C DISC, .01 uf, 100V, 20% (107291)	1
	A103C11	TG-S50	56289	CAPACITOR, C DISC, .05 uf, 50V, +80 -20% (100134)	1
	A103C12	CSR13E156KL	81349	CAPACITOR, TANT, 15 uf, 20V, 10% (100211)	1
	A103CR1 thru CR4	IN914	81349	DIODE, SIGNAL, 100V (107042)	4
	A103CR5	IN751A	81349	DIODE, ZENER, 5.1V, .4W, 5% (100378)	1
	A103Q1, Q2	2N706	81349	TRANSISTOR, SINPN (102682)	2
	A103Q3	2N2222	81349	TRANSISTOR, SINPN (107893)	1
	A103R1	RN55D5111F	81349	RESISTOR, MF, 5.11K, 1/8W, 1% (107421)	1
	A103R2	RC07GF102J	81349	RESISTOR, CC, 1K, 1/4W, 5% (101569)	1
	A103R3	RC07GF103J	81349	RESISTOR, CC, 10K, 1/4W, 5% (101570)	1
	A103R4	RC07GF102J	81349	RESISTOR, CC, 1K, 1/4W, 5% (101569)	1
	A103R5	RN55D2001F	81349	RESISTOR, MF, 2K, 1/8W, 1% (107206)	1
	A103R6	RN55D6191F	81349	RESISTOR, MF, 6.19K, 1/8W, 1% (107715)	1
	A103R7	RC07GF103J	81349	RESISTOR, CC, 10K, 1/4W, 5% (101570)	1
	A103R8	RC07GF202J	81349	RESISTOR, CC, 2K, 1/4W, 5% (101553)	1
	A103R9	RN55D1823F	81349	RESISTOR, MF, 182K, 1/8W, 1% (107728)	1
	A103R10	66WR20K	73138	POTENTIOMETER, 20T, PC, 20K, 1/4W, 10%, CERM, TOP ADJ (102161)	1
	A103R11, R12	RC047G471J	81349	RESISTOR, CC, 470 OHM, 1/4W, 5% (101625)	2
	A103R13	RN55D4751F	81349	RESISTOR, MF, 4.75K, 1/8W, 1% (107537)	1
	A103R14	RC07GF510J	81349	RESISTOR, CC, 51 OHM, 1/4W, 5% (101672)	1
	A103R15	RC07GF272J	81349	RESISTOR, CC, 2.7K, 1/4W, 5% (101599)	1
	A103R16	RN55D1432F	81349	RESISTOR, MF, 14.3K, 1/8W, 1% (107432)	1
	A103R17	RC07GF223J	81349	RESISTOR, CC, 22K, 1/4W, 5% (101572)	1
	A103R18	66WR500K	73138	POTENTIOMETER, 20T, PC, 500K, 1/4W, 10%, CERM, TOP ADJ (107549)	1
1		110466		SWITCH, FAST SWEEP, SOURCE CONTROL	1

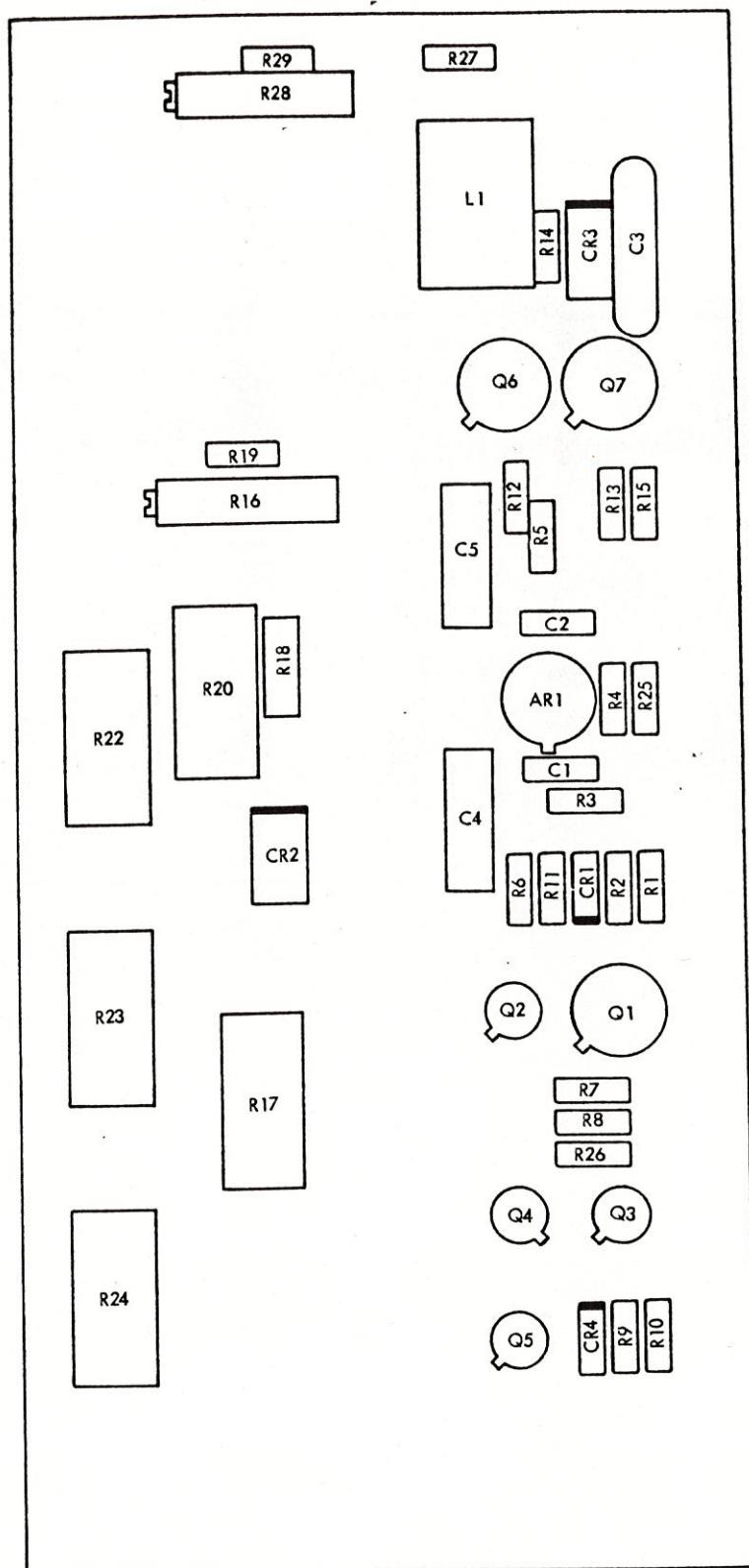


Figure 8-6. Hi-Voltage & Blanking Board Assy A104

Parts List for Figure 8-6

Index No.	Reference Designation	Part No.	Vendor Code	Name of Component and Description	Qty.
	A104	11045101		BOARD ASSY, HI VOLTAGE & BLANKING	1
	A104AR1	710HC	07263	INTEGRATED CKT, LIN MSC (107053)	1
	A104C1, C2	8131-100651104M	72982	CAPACITOR, C DIP, .1 uf, 100V, 20% (107039)	2
	A104C3	5HK-S40	56289	CAPACITOR, C DISC, .04 uf, 500V, +80 -20% (107806)	1
	A104C4, C5	150D335X9020B2	56289	CAPACITOR, TANT, 3.3 uf, 20V, 10% (107823)	2
	A104CR1	1N914	81349	DIODE, SIGNAL, 100V (107042)	1
	A104CR2	1N3256	81349	DIODE, RECTIFIER (107875)	1
	A104CR3	1N5377B	81349	DIODE, REF, 91V, 5W (107883)	1
	A104CR4	1N751A	81349	DIODE, ZENER, 5.1V, 5% (100378)	1
	A104L1	9350-44	76493	CHOKE, RF, .01 uH, 10% (107977)	1
	A104Q1	2N1711	81349	TRANSISTOR, SINPN (107892)	1
	A104Q2, Q3, Q4	2N708	81349	TRANSISTOR, SINPN (101364)	3
	A104Q5	2N2222	81349	TRANSISTOR, SINPN (107893)	1
	A104Q6, Q7	2N3440	81349	TRANSISTOR, SINPN (101420)	2
	A104R1	RC07GF472J	81349	RESISTOR, CC, 4.7K, 1/4W, 5% (101598)	1
	A104R2	RC07GF113J	81349	RESISTOR, CC, 11K, 1/4W, 5% (101754)	1
	A104R3	RC07GF101J	81349	RESISTOR, CC, 100 OHM, 1/4W, 5% (101609)	1
	A104R4	RC07GF202J	81349	RESISTOR, CC, 2K, 1/4W, 5% (101553)	1
	A104R5	RC07GF101J	81349	RESISTOR, CC, 100 OHM, 1/4W, 5% (101609)	1
	A104R6	RC07GF102J	81349	RESISTOR, CC, 1K, 1/4W, 5% (101569)	1
	A104R7	RC07GF223J	81349	RESISTOR, CC, 22K, 1/4W, 5% (101572)	1
	A104R8	RC07GF133J	81349	RESISTOR, CC, 13K, 1/4W, 5% (101594)	1
	A104R9	RC07GF472J	81349	RESISTOR, CC, 4.7K, 1/4W, 5% (101598)	1
	A104R10	RC07GF223J	81349	RESISTOR, CC, 22K, 1/4W, 5% (101572)	1
	A104R11	RC07GF431J	81349	RESISTOR, CC, 430 OHM, 1/4W, 5% (101774)	1
	A104R12	RC07GF132J	81349	RESISTOR, CC, 1.3K, 1/4W, 5% (101556)	1
	A104R13	RC07GF911J	81349	RESISTOR, CC, 910 OHM, 1/4W, 5% (101805)	1
	A104R14	RC07GF153J	81349	RESISTOR, CC, 15K, 1/4W, 5% (101552)	1
	A104R15	RC07GF273J	81349	RESISTOR, CC, 27K, 1/4W, 5% (101587)	1
	A104R16	79PR500K	80740	POTENTIOMETER, 15T, PC, 500K, 3/4W, 10% (107798)	1
	A104R17	RC42GF105J	81349	RESISTOR, CC, 1M, 2W, 5% (107707)	1
	A104R18	RC20GF222J	81349	RESISTOR, CC, 2.2K, 1/2W, 5% (101454)	1
	A104R19	RC20GF335J	81349	RESISTOR, CC, 3.3M, 1/2W, 5% (101452)	1
	A104R20, R22 thru R24	RC42GF395J	81349	RESISTOR, CC, 3.9M, 2W, 5% (107708)	4
	A104R25	RC07GF202J	81349	RESISTOR, CC, 2K, 1/4W, 5% (101553)	1
	A104R26	RC07GF103J	81349	RESISTOR, CC, 10K, 1/4W, 5% (101570)	1
	A104R27	RC07GF104J	81349	RESISTOR, CC, 100K, 1/4W, 5% (101558)	1
	A104R28	79PR200K	80740	POTENTIOMETER, 15T, PC, 200K, 3/4W, 10% (107797)	1
	A104R29	RC07GF104J	81349	RESISTOR, CC, 100K, 1/4W, 5% (101558)	1