

SECTION IX

MODEL P-2000 POWER SUPPLY



Figure 17. Hallicrafters' Model P-2000 Power Supply.

156-007099

9-1. DESCRIPTION.

The Model P-2000 Power Supply is a companion unit to the Model SR-2000 Transceiver and provides all supply voltages required by the transceiver. The application of the final amplifier anode and screen potentials is controlled at the power supply unit by the high voltage selector switch (SSB HIGH POWER/SSB LOW POWER-CW-TUNE) and high voltage control switch (HIGH VOLTAGE ON-OFF). The power supply also contains the station speaker and final amplifier plate metering facilities for the transceiver. Two meters provide for monitoring the final amplifier plate current (0-1 ampere) and plate voltage (0 to 5 kilovolts). The metering circuits employed, permit the meter cases to operate at ground potential, thereby avoiding a shock hazard.

Solid state silicon rectifiers are employed throughout for cool maintenance free operation. The low voltage circuits such as heater supply, low B+, receiver audio, etc., are carried in one cable with a 12-pin connector, while the final amplifier plate and screen supply voltages are carried in a separate cable and plug termination to provide a maximum safety factor.

The power supply is shipped from the factory with the line cord wired and fitted with the plug for 115-volt 2-wire service. A line cord plug is also supplied for use with 230-volt 3-wire service.

Line protection is provided by two 12-ampere fuses wired so that they operate in series from a 230-volt AC source and in parallel from a 115-volt AC source. The use of one size fuse for either source voltage avoids the possibility of incorrect line protection.

9-2. UNPACKING.

After unpacking the Model P-2000 Power Supply, examine it carefully for possible damage that may have occurred in transit. If the equipment has been damaged, file a claim immediately with the carrier, stating the extent of the damage. Carefully check all shipping labels and tags for special instructions before removing or destroying them.

The power supply unit is shipped on a wood platform to support its weight. To remove the shipping platform, carefully turn the power supply

unit over and set it down bottom side up. When handling the power supply, keep in mind that it weighs around 60 pounds. Remove the four shipping platform mounting screws (No. 10 x 3/4-inch) and lift the platform clear. Mount the four cabinet feet with No. 10 x 1/2-inch screws and flat washers supplied. The cabinet feet are fastened to the cabinet and chassis in the same mounting holes that were used for attaching the shipping platform. Be sure to install the flat washers between the cabinet feet and the heads of the screws. **DO NOT USE THE NO. 10 x 3/4-INCH SHIPPING PLATFORM HARDWARE TO FASTEN THE CABINET FEET.** Set the power supply back on its feet.

9-3. POWER SOURCE.

The Model P-2000 Power Supply for the Model SR-2000 Transceiver is designed to operate from either 115-volt, 2-wire, or 230-volt, 3-wire 60 cycle single phase service. Operation from 230-volt, 2-wire service, available in many countries, will necessitate the use of an additional conversion transformer. Details for this type installation may be obtained by contacting The Hallicrafters International Division, 4401 W. 5th Avenue, Chicago, Illinois, 60624.

Under peak power input conditions, the equipment may draw in excess of 10 amperes from 230-volt service or in excess of 20 amperes from 115-volt service. This power requirement will generally exceed the capabilities of most home 115-volt wall outlets. If the station is to operate from a 115-volt outlet, a separate circuit rated at 30 amperes should be provided.

9-4 PRIMARY POWER CONNECTIONS.

The power supply is shipped from the factory with the line cord wired for 115-volt service outlets. The junction box wiring for the line cord may be exposed for inspection by removing the back cover of the power supply. The cover is held in place with two screws.

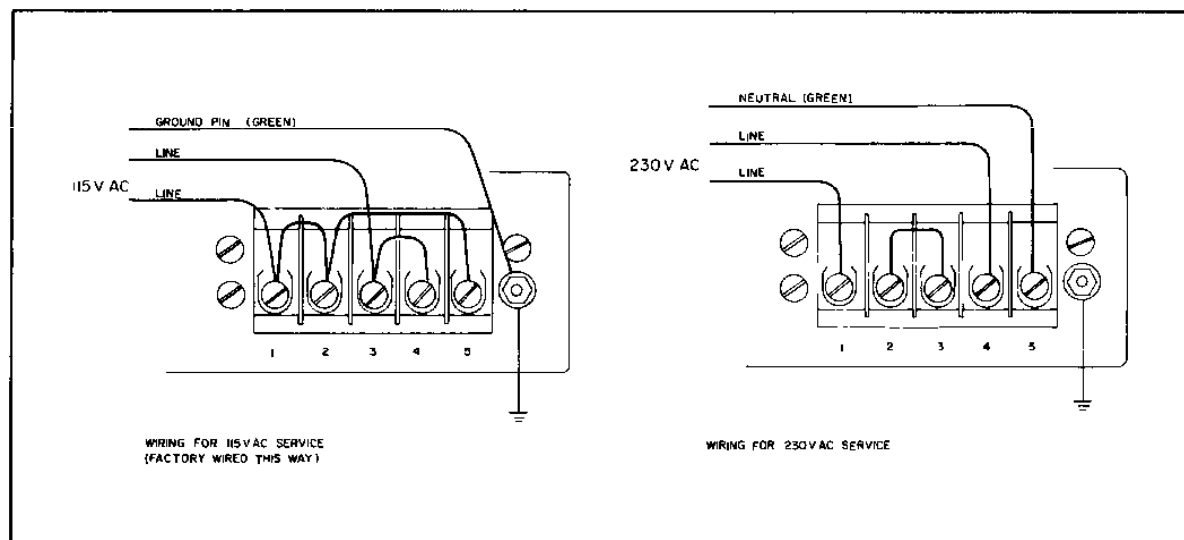
Note that the line cord wiring for 115-volt service requires that one side of the line shall be connected to terminals 1, 2, and 5 and the other side of the line shall be connected to terminals 3 and 4. The ground pin of the line cord plug is wired to the ground bolt on the chassis (green lead).

If the equipment is to operate from a 230-volt, 3-wire 60 cycle single phase service outlet, make the following changes in the power supply terminal strip wiring:

A. Disconnect the line cord leads (three leads) and all jumpers connected to the terminal strip and to the chassis ground bolt. Retain the jumper wires for possible re-use.

B. Connect terminal 2 to terminal 3 using the short jumper wire just removed in step A.

C. Connect the green line cord lead to terminal 5. This is the neutral wire of the three wire system.



156-007366

Figure 18. Model P-2000 Power Supply, Primary Power Connections.

D. Connect one of the two remaining line cord leads (black or white) to terminal 1 and the other to terminal 4. This completes the terminal strip wiring for 230-volt operation.

E. Disconnect and remove the line cord plug supplied for 115-volt service. A 230-volt service plug has been supplied with the power supply for this purpose. Install and wire the 230-volt service plug connecting the green neutral lead to the neutral pin and the black and white leads to each of the blade contacts. If the 230-volt service outlet does not match the style plug supplied, obtain a matching plug and wire as required. Make sure the green line cord lead is connected to the neutral terminal of the service outlet.

CAUTION

THE VOLTAGES USED IN THE MODEL P-2000 POWER SUPPLY ARE LETHAL. EXERCISE EXTREME CARE IF SERVICE WORK MUST BE CARRIED ON WITH LIVE, EXPOSED CIRCUITS.

9-5. INSTALLATION AND OPERATION.

The Model P-2000 Power Supply is specifically designed for use with the Model SR-2000 Transceiver. Refer to Sections III and V of this manual for specific installation and operating instructions that apply to the power supply unit.

9-6. CHASSIS REMOVAL

A. Disconnect the power supply from the service outlet and from the Model SR-2000 Transceiver.

B. Remove the two rear cover mounting screws and take off the rear cabinet cover.

C. Turn the power supply over and set it down on the bench bottom side up. When handling the power supply, keep in mind that it weighs around 60 pounds. Remove the four cabinet feet only. Note that three chassis screws still remain to support the chassis.

D. Turn the power supply over and set it right side up on the bench. By sliding the unit to the edge of the bench, remove the remaining three screws one at a time. Make sure the center of gravity of the power supply stays over the work bench while performing this operation.

E. Carefully slide the chassis out through the front opening of the cabinet.

F. Reassemble the unit in the reverse order when re-installing the chassis. Be sure to anchor the chassis securely to the cabinet before turning the unit over to attach the mounting feet.

9-7. METER LAMP REPLACEMENT.

Follow the procedure for chassis removal outlined in paragraph 9-6, and slide the chassis out of the cabinet just far enough to gain access to the meter lamp. Unclip the lamp socket assembly and replace the lamp with a number 1892, 14-volt miniature bayonet base lamp.

PARTS LIST

Schematic Symbol	Description	Radio Shack Part Number	Schematic Symbol	Description	Radio Shack Part Number
	Baffle, Speaker	012-000292	R304	Relay, Overload	021-000839
	Bracket, Meter Mounting	087-013055	R305	Resistor, 100K Ohm, 10%, 2 Watt, Carbon	451-652104
	Cable, 12-Conductor	066-000577	R308, R309, R310, R311, R312	Resistor, 25K Ohm, 5%, 50 Watt, Wirewound	024-100846
	Cable, Ground	087-006910		Resistor, 15 Ohm, 5%, 10 Watt, Wirewound	449-031150
	Cable, Power	087-008909	R313, R314	Resistor, 2.7 Megohm, 10%, 2 Watt, Carbon	451-652275
C301, 302, 303, 304, 305	Capacitor, 0.01 μ F, 1400V, Ceramic	047-200752	R315	Resistor, 1500 Ohm, 10%, 2 Watt, Carbon	451-652152
C306 thru C313	Capacitor, 90 μ F, 500V, Electrolytic	045-001337	R316	Resistor, 12K Ohm, 5%, 25 Watt, Wirewound	024-001593
C314	Capacitor, 8 μ F, 500V, Electrolytic	045-100491	R317, R318	Resistor, 4 Ohm, 10%, 5 Watt, Wirewound	445-012040
C315, R316, R317	Capacitor, 20 μ F, 250V, Electrolytic	045-000008	R319	Resistor, 1 Ohm, 10%, 5 Watt, Wirewound	445-012010
C318A, B	2 x 30 μ F, 350V, Electrolytic	045-000902	R320	Resistor, 1000 Ohm, 10%, 1/2 Watt, Carbon	451-252102
L301	Choke, Screen	050-002327	R321	Resistor, 8200 Ohm, 10%, 1/2 Watt, Carbon	451-252822
L302	Choke, Filter	055-000595	R322	Resistor, 100 Ohm, 10%, 1/2 Watt, Carbon	451-252101
L303	Choke, Filter	055-000595	R323, R325, R326, R327	Resistor, 2K Ohm, 10%, 2 Watt, Carbon	451-652123
P303	Connector, Socket	010-002391	R328	Resistor, 33K Ohm, 10%, 1 Watt, Carbon	451-462333
CR301, 302	Diode, 5KV, 1 Ampere	019-003797		Resistor, 47K Ohm, 10%, 1/2 Watt, Carbon	451-252473
CR303, 304, 305, 306, 308, 309	Diode, Type 1N3487	027-000314		Shield, Pilot Lamp	068-100037
CR307	Diode, Type 1N3194	019-002769		Socket, Pilot Light	068-000688
	Excitation, Front Panel	007-000939		Socket, Tube, 9-Pin	006-000947
	Foot, Rubber (4)	016-201072		Socket, High Voltage	006-001208
F301, 302	Fuse, 12 Ampere, 3AB	039-100497	SP301	Speaker	065-000266
F303	Fuse, 5 Ampere	039-100301	S301	Switch, Button (Black)	060-002836-002
	Holder, (F301, 302, 303)	006-000845	S302	Switch, Button (Red)	060-002836-001
	Grill, Speaker	007-000932	S302	Switch, Toggle Hi-Lo	060-100285-003
D301	Lamp, HV Indicator	039-000800		Power	
D302	Lamp, Pilot, No. 1892	039-000797	T1	Transformer, Plate	050-002328
M302	Meter, Plate Current	082-000685	T2	Transformer, Power	052-001007
M301	Meter, Plate Voltage	082-000684			
	Panel, Front	068-001065			
	Panel, Rear	068-001703			
P301	Plug, 117 VAC	010-002973			
	Plug, 220 VAC	010-002974			
R301	Relay, Primary Power	021-000837			
R302	Relay, Hi-Lo Power	021-000841			
R303	Relay, Time Delay	021-000836			

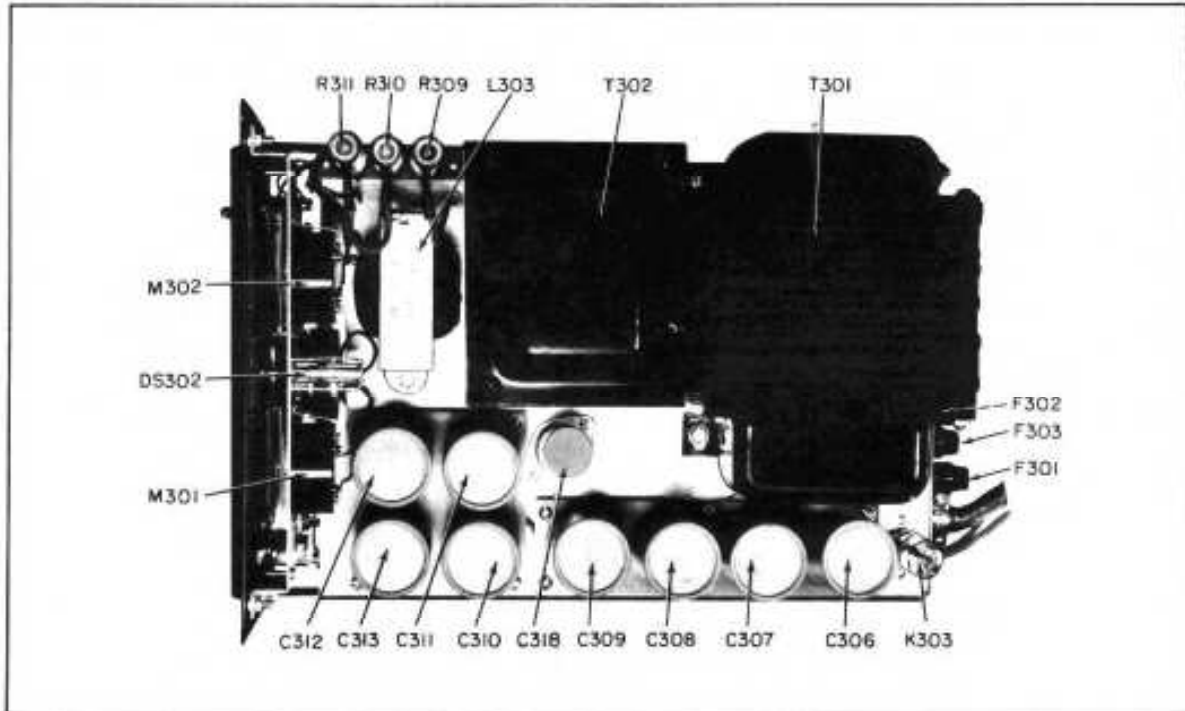


Figure 19. Model P-2000 Power Supply Top View, Component Location.

156-007106

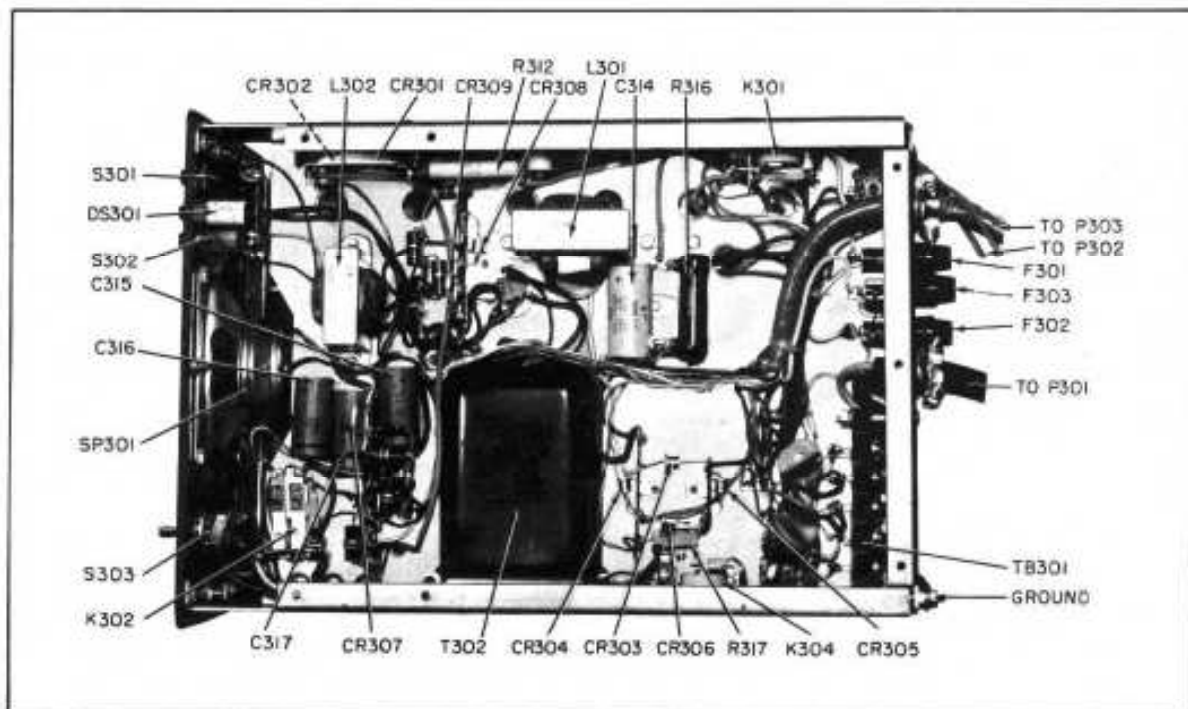


Figure 20. Model P-2000 Power Supply Bottom View, Component Location.

156-007101

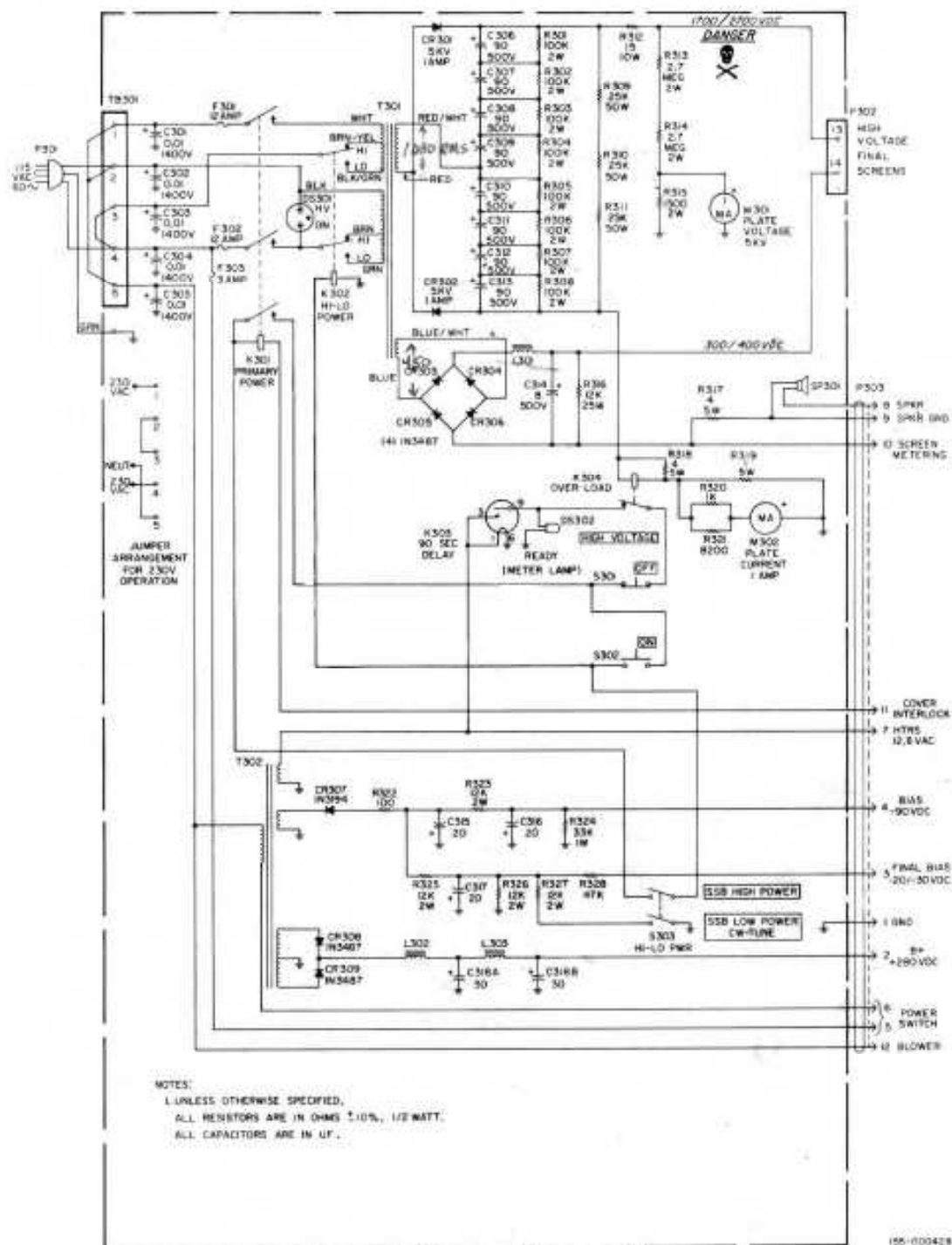


Figure 21. Model P-2000 Power Supply Schematic Diagram.

MODEL SR 2000 SERVICE REPAIR PARTS LIST

Schematic Symbol	Description	Hallcrafters Part Number	Schematic Symbol	Description	Hallcrafters Part Number	Schematic Symbol	Description	Hallcrafters Part Number	Schematic Symbol
CAPACITORS			CAPACITORS (CONT)			*RESISTORS (CONT)			ELECTRON
C1,17,22	47 PF, 5%, 500V, Myca	493-110470-233	C123,124	39 PF, 5%, 500V, N150, Ceramic	491-005390-051	R61	250 Ohm, 25 Watt, Wirewound	024-001620	CR2,3,4
C2,16	150 PF, 5%, 500V, Myca	493-110151-234	C126	10 PF 5% 500V, NPO, Ceramic	491-003150-022	R83	150K Ohm	451-252154	5,9,15,17, 21,22,23
C3,19,178	180 PF, 5%, 500V, Myca	493-110181-234	C127	Variable, 0.8 PF, 130 PF, Piston Trimmer	044-000520	R85,158	1500 Ohm	451-252152	CR6,7
C4,18	220 PF, 5%, 500V, Myca	493-110221-234	C128	82 PF, 5%, 500V, N80, Ceramic	491-025820-042	R88,79,92	2700 Ohm	451-252272	10,11,12, 16,18
C5,20	33 PF, 5%, 500V, Myca	493-110330-233	C129,133	47 PF, 5%, 500V, NPO, Ceramic	491-025470-022	R31,80,78	22K Ohm	451-252223	CR13
C8,23,142	470 PF, 10%, 500V, Myca	493-110471-134	C135	33 PF, 5%, 100V, Myca	493-910330-213	R81,146	680 Ohm	451-252681	CR14
CTA,B,C, D,E	Variable, PRE-SELECTOR	048-000526	C145	25uF, 25V, Electrolytic	045-001431	R89	47K Ohm, 1 Watt	451-352473	CR19,20
C9,32,38	0.001 uF, 20% 500V, Ceramic	047-001671	C147A,B	2 x 30 uF, 350V Electrolytic	045-000902	R90	Variable, 25K Ohm, CAL. ADJ	025-002509	Y1
68,89,74,76, 81,91,108, 111,112,130, 132,163,164,165,170, 171, 172,183,184,188, 193,198,197,199,202, 213			C148,151, 155	100 PF, 10%, 5KV, Ceramic	047-001924	R93,150	Variable, 1 Megohm, 30%, 2-10 Watt, Anti-Trip Gain and VOX Sens	025-002087	Y2
C10,25,83, 47 PF, 10%, 500V, Myca		493-110470-133	C149A,B	Variable, PLATE	048-000830	R99,120	Variable, 50K Ohm 20%, 2-10 Watt, Sidetone Level and Meter Zero	025-002065	Y3
C11,13,14, 0.01 uF, 20%, 500V, Ceramic		047-100354	C150	1000 PF, 20%, 5 KV, Ceramic	047-200566	R100	47 Ohm, 1 Watt	451-352470	Y4
27,28,29, 31,34,35,39, 40,41,47,52,57,58,61,65,75, 77,78,82,92,93,95,96,109, 115,118,140,143,162,186, 173,179,180,181,182,186, 187,194,200,206,207, 209,198			C152,153	500 PF, 20%, 5 KV, Ceramic	047-201084	R101,109	330 Ohm, 2 Watt	451-652331	Y5
C12,33,43, 0.1 uF, -80%, -20%, Myca		047-001428	C156A,B	Variable, 10AD	048-000829	R105	220 Ohm, 1 Watt	451-352221	Y6
C15,21,50, 100 PF, 10%, 500V, Myca		493-110101-134	C158,205	220 PF, 10% 500V, Myca	493-110221-134	R106,108	2.7 Ohm	451-252027	Y7
53,59,71,83, 105,108,113, 114,167,203, 208,215			C160	0.002 uF, 20%, 6 KV Ceramic	047-101085	R110	4700 Ohm, 1 Watt	451-352472	Y8
C26	Variable, 1.5 PF - 7 PF	044-100457	C174	120 PF, 5% 500V, Myca	493-110121-234	R113	27K Ohm	451-252273	Y9
C30,42	24 PF, 10%, 500V, Myca	493-110240-131	C175	300 PF, 5%, 500V, Myca	493-110301-234	R114	Variable, 25K Ohm, 20% 1/3 Watt, BIAS ADJ	025-002898	Y10
C35,45,68 0.02 uF, -80%, -20%, 70,79, 500V, Ceramic		047-100242	C177	85 PF, 5%, 500V, Myca	493-110850-234	R118	5600 Ohm	451-252562	J4,7
141,144,145, 212,217			C190	0.005 uF, 20% 500V, Ceramic	047-100442	R119,159	82K Ohm, 1 Watt	451-352823	J5
C37,191	16PF, 10%, 500V, Myca	493-110160-131	C210	0.22 uF, 10%, 200V, Paper	046-001295-004	R132	Variable, 250 Ohm, 10%, 3-10 Watt Carrier Bal	025-002064	J6
C44,72,88, 10 PF, 40.5 PF, 97,138,154 500V, Myca		493-110100-531	*RESISTORS			R158	Variable, 10 Megohm, 20%, 2-10 Watt, Delay	025-002066	J8
C48,54, 20 PF, 10%, 500V, Myca		493-110200-131	R1,2,5,18, 1 Megohm		451-252105	R157	6.8 Megohm	451-252685	PL
C49	33 PF, 10%, 500V, Myca	493-110330-133	33,34,41,74 75,117,128, 129,137,138, 143,144,153, 154,162			R160	15 Ohm	451-252150	81A,E
C49	5 PF, 40.5 PF, 500V, Myca	493-110050-531	R3	180 Ohm	451-252181	*All RESISTORS are carbon type. 10% 1/2 watt unless otherwise stated.			S1B
C80	110 PF, 10%, 500V, Myca	493-110111-134	R4A,B and 10K, RF & AF		025-002063				S1C,D,E, H
C73	82 PF, 10%, 500V, Myca	493-110820-134	R5,17,20, 100K Ohm		451-252104	L1	Coil, Antenna, 15 Meter	050-003282	S1G
C55,80	0.0022 uF, 10%, 600V, Paper	046-001434-304	42,45,57, 85,111,125, 141,148,191			L2	Coil, Antenna, 20 Meter	051-003347	S1H,K
C84,85,86 1500 PF Feed-Thru		047-100602	R8,29,71, 33K Ohm		451-252333	L3	Coil, Antenna, 40 Meter	051-003345	S2
87,187,161, 166,169			R7,39,58, 220K Ohm		451-252224	L4	Coil, Antenna, 80 Meter	051-003348	S3
C89,136, 139,192	Variable, 5 PF-25 PF, Trimmer	044-100473	69,82,95,98, 97,112, 145,147			L5	Coil, Antenna, 10 Meter	051-003351	S4
C90	120 PF, 10%, 500V, Myca	493-110121-134	R13,73,142 2200 Ohm		451-252222	L6,17,20, 25,29,35,36	Choke, RF, 1.0 MH	053-000580	
C94,185, 137,195	0.1 uF, 10%, 200V, Paper	046-001294-004	R8,10,47 4700 Ohm		451-252472	L7,30	Coil, RF, 10 Meter	051-003532	
C99	22 PF, 5%, 500V, Myca	493-110220-231	60,67,71, 87,136			L8,31	Coil, RF, 15 Meter	051-003346	S5
C106,175	18 PF, 5%, 500V, Myca	493-110180-231	R11,133 470 Ohm		451-252471	L9,32	Coil, RF, 20 Meter	051-003342	S6
C101	56 PF, 5%, 500V, Myca	493-110580-233	R12,52, 47K Ohm		451-252473	L10,33	Coil, RF, 40 Meter	051-003340	
C102	165 PF, 5%, 500V, Myca	493-121650-234	R4,118,130 470K Ohm		451-252474	L11,34	Coil, RF, 80 Meter	051-003341	
C103	330 PF, 5%, 500V, Myca	493-110331-234	R14,19,28 27,38,49,59, 86,103,139			L12	Coil, RF Trap, 6-8.5 MC	050-001068	B1
C104	22 PF, 10%, 500V, Myca	493-110220-131	R15,36, 68K Ohm		451-252683	L13,22,37	Choke, RF, 100 uH	053-000644	
C117	27 PF, 5%, 500V, NPO, Ceramic	491-005270-022	72,80,94, 127,135,163			L14,23	Choke, RF, 27 uH	053-000688	
C118,125, 131,134, 211	0.001 uF, CMV, Feed-thru	047-001308	R16,23,28, 1000 Ohm		451-252102	L15	Variable, Coil, 1650 KC	050-000601	
C119	300 PF, 2%, 300V, Myca	493-110301-324	37,48,75,83 125,152			L16	Coil, RF	050-002477	
C120A,B	Variable, Tuning	048-000597	R21,35,44 220 Ohm		451-252221	L18	Choke, RF 6.8 uH	050-001245	
C121	47 PF, 5%, 500V, N80, Ceramic	491-025470-031	R22,30,98, 8600 Ohm		451-252682	L19	Coil, Heterodyne Osc	050-002370	
C122	Variable, 10 PF, 12PF, Trimmer	044-000643	151			L21	Coil, vFO	050-002416	
C216	1800 PF, 10%, 300V, Myca	493-310182-124	R24	Variable, 500K Ohm, 30%, 1/8 Watt NOISE BLANKER	025-002698	L24	Coil, Tank	050-002328	
			R25,54,70, 86,107,122, 123			L26	Choke RF	053-200426	
			R102 3900 Ohm		451-252392	L27,28	Choke, Parasitic Transformer, 1F	050-002220	
			R32 2.2 Megohm		451-252225	T1.2	Bandpass Transformer 1F	050-001045	
			R40,82 880K Ohm		451-252684	T3	Transformer 1F	050-000890	
			R43 330K Ohm		451-252334	T4,6	Transformer 1F	050-000881	
			R46 Variable, 10K Ohm AGC Threshold		025-002330	T5	Transformer, Audio Output	055-000508	
			R50 3300 Ohm, 10 Watt		445-032332	L36	Choke, RF 50 MH	050-001044-009	
			R51,149 2.7 Megohm		451-252275	L39	Coil, 6.5 MC Trap	050-003467	
			R53,121 3300 Ohm		451-252332	ELECTRON TUBES, DIODES, AND CRYSTALS			
			R56 4.7 Megohm		451-252475	V1	Tube, Type 12DK6	090-001860	
						V2,3,5,7,8, 11	Tube, Type 7059	090-001561	
						V4,9,14, 19,20	Tube, Type 12AT7	090-000034	
						V6	Tube, Type 6CX8	090-001639	
						V10	Tube, Type 6A2	090-000001	
						V12	Tube, Type 7066	090-001542	
						V13	Tube, Type 12BA6	090-000039	
						V15	Tube, Type 8A45A	090-001331	
						V16,17	Tube, Type 6122	090-001840	
						V18	Tube, Type 12BY7A	090-001192	
						CR1	Diode, Type 1N458	019-001930	

LIST

Schematic
Symbol Description Hallcrafters
Part Number

ELECTRON TUBES, DIODES, AND CRYSTALS

CR2,3,4 Diode, Type 1N456 019-002964
5,9,15,17,
21,22,23
CR6,7, Diode, Type 1N295 019-301980
10,11,12,
16,18
CR13 Varicap, Type V100 048-000484
CR14 Diode, 12V Zener,
Type 1N963A 019-003855
CR19,20 Diode, Type 1N8 019-002941
Y1 Crystal, 100,000 KC 019-002712
Y2 Crystal, 18 00 MC 019-003789-008
Y3 Crystal, 17 75 MC 019-003789-007
Y4 Crystal, 17.5 MC 019-003789-008
Y5 Crystal, 17 25 MC 019-003789-005
Y6 Crystal, 13.75 MC 019-003789-004
Y7 Crystal, 10.25 MC 019-003789-003
Y8 Crystal, 13.5 MC 019-003789-002
Y9 Crystal, 10 MC 019-003789-001
Y11 Crystal, 1651 550
KC 019-003681-002
Y10 Crystal, 1646.550
KC 019-003681-001

CONNECTORS

J1 Jack, Antenna 010-100056
J2 Socket, 11-Pin,
Accessory 006-200707
J3 Jack, Phono, 500 Ohm 036-100041
J4,7 Jack, Key and
PHONES 038-200210
J5 Connector, High
Voltage 035-000065
J8 Connector, Power 12-
Pin Jones Plug 010-002588
J8 Connector, MIC,
W/hardware 010-101569
P1 Plug, 11-Pin, Accessory
Plug 010-002932

SWITCHES

S1A,E Wafer, HF and
Heterodyne Osc 082-000268
S1B Wafer, Osc Plate 082-000263
S1C,D,F, Wafer, RF and Driver 082-000265
H
S1G Wafer, PA Neut 082-000264
S1J,K Wafer, PA 080-002842
S2 Rotary, MELBK 080-002818
S3 Rotary, FUNCTION 080-002798
S4 Rotary, OPERATION
(includes S4B,
Power) 080-002795
S5 Pushbutton, Cover
Interlock 080-002835
S6 Rotary, CAL 080-002794

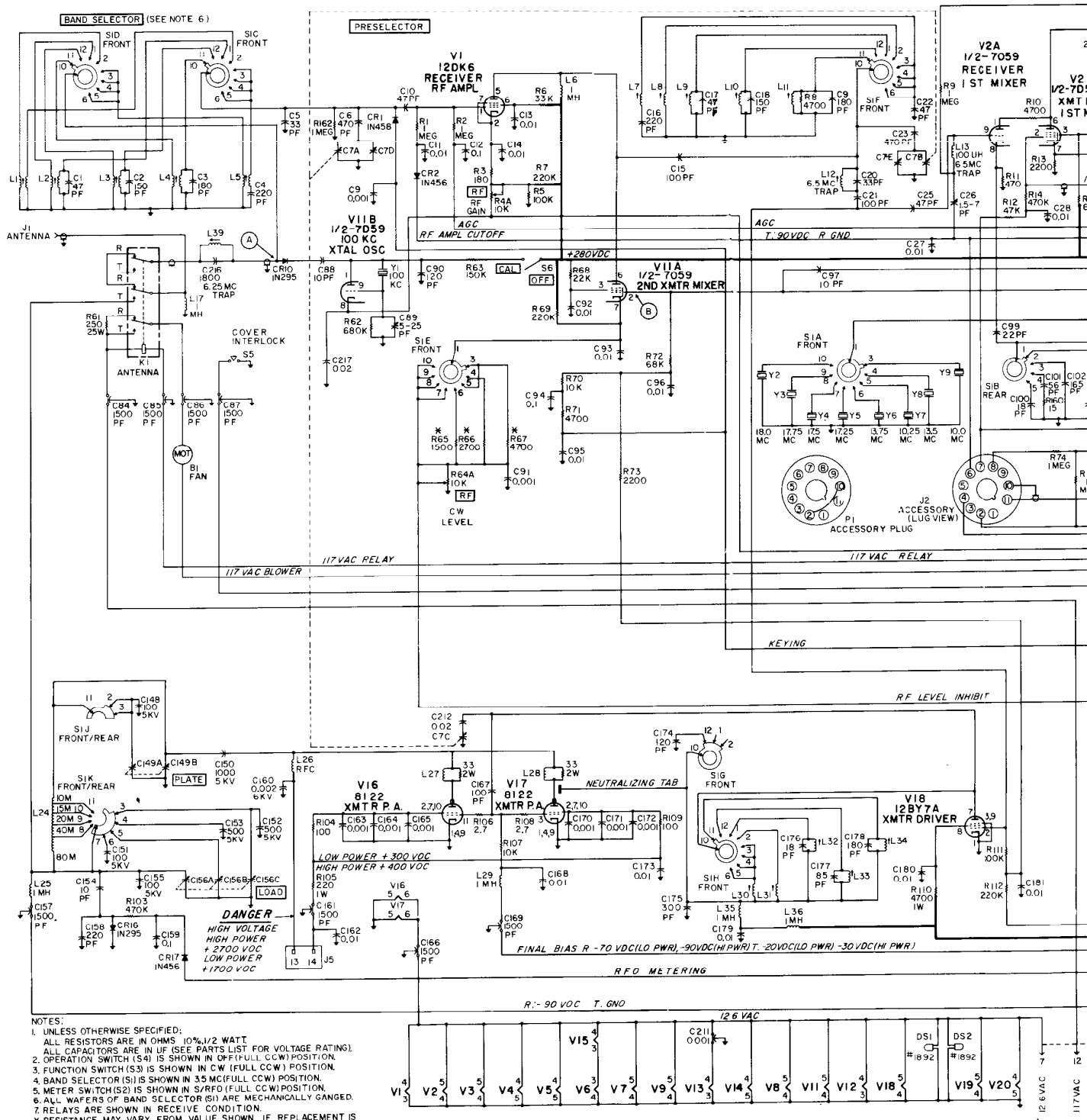
MISCELLANEOUS

B1 Blower 020-000413
Bracket, Blower 067-013082
Bracket, Choke 067-013015
Bracket, Coil 067-203456
Mounting (6)
Bracket, Escutcheon 067-013109
Mounting (2)
Bracket, Function
Switch 067-012720
Bracket, Gang 067-013018
Mounting
Bracket, Meter 067-012721
Mounting
Bracket, Meter Switch
and Bias Adj Pot. 067-013014
Bracket, Pilot Light 067-013315
Bracket, Pot 067-012712
Mounting
Bracket, Preset Selector
Shaft 067-013223
Bracket, Spring Adjust 067-012607
Bracket, Switch 067-010585
Bracket, Switch 067-013083
Mounting
Cabinet Assembly 150-008949
Cabinet Bottom Rivet
Assembly 150-009577
Cabinet Top Assembly 150-009578
Cabinet, Weld 066-004550
Assembly
Coupling, Insulator 029-001061
(Green)
Coupling, Insulator 029-200564
(Yellow)
Cover, Air Box 066-004581
Cover, Cabinet Bottom 068-004579

Schematic
Symbol Description Hallcrafters
Part Number

MISCELLANEOUS (CONT.)

FL1 Cover, Cabinet Top 068-004578
Cover, Gang VFO 068-004434
Cover, RF Shield 068-004584
Escutcheon 007-000903
Filter, Crystal 049-000324
Foot, Rubber (4) 016-201072
Front Panel Assembly 150-008948
Gear, Dial 026-001173
Gear, Idler 026-001170
Gear, Idler Spur 026-001002
Gear, Pinion 026-001171
Gear, Pinion Drive 026-001168
Gear, Spur 026-001089
Gear, Spur, Dial Scale 026-001174
Gear, Spur (Fixed) 026-001088
Gear, Spur, Pinion 026-001172
Shaft
Handle, Knob 030-000793
Housing, Air Box 066-004582
Indicator Light 068-000687
Indicator, PRE- 082-000578-001
SELECTOR
Knob, CAL-ADJ 015-001755-002
and CAL-OFF
Knob, LOAD Tuning 015-001925
Knob, Main Tuning 015-001617
Knob, NOISE BLANK-
ER and METER ALC 015-001775
Knob, OPERATION,
FUNCTION, and
BAND SELECTOR 015-001909
Knob, PLATE Tuning 015-001909
Knob, PRE- 015-001752-001
SELECTOR
Knob, RF Gain, 015-001740-001
CW-Tune Level, and
RIT CONTROL ON-OFF
Knob, RIT CONTROL,
Mic Gain, and Audio
Gain 015-001773
DS1,2 Lamp, Pilot, No 1892 039-000797
DS3,4 Lamp, Neon, NE-2 039-100012
Medallion 007-000650
Meter (with hardware) 082-000883
Plate, Gear 063-006830
Plate, Front VFO 063-008821
Plate, Idler Gear 063-006827
Plate, Left Chassis 063-007021
Plate, Pivot 063-008828
Plate, Right Chassis 063-007022
Plate, Top Gang Cover
Pulley (2) 063-006889
Rear Panel Assembly 028-200144
Relay, Antenna 021-000838
Relay, VOX 021-000732
Roller (2) 028-000550
Shaft, BAND
SELECTOR 074-003057
Shaft, Cam 074-002997
Shaft, Dial Gear 074-002996
Shaft, PRE- 074-002756-003
SELECTOR
Shaft, PRE- 074-002791-002
SELECTOR (Outer)
Shaft, Tuning 074-003083
(Loading)
Shaft, Outer 074-003084
Shield, Tube (V7,19) 069-201190
Shield, Tube (V18) 069-001590
Socket, 4-crystal 150-003281
Socket, Dual crystal 008-000984
Socket, Pilot Light 086-000741
Assembly
Socket, Relay 006-001184
Socket, Single Crystal 006-100320
Socket, Tube, 7-Pin 006-200947
(V1,6)
Socket, Tube, 9-Pin 006-200947
(V2, 3, 5, 11)
Socket, Tube, 9-Pin 006-001112
(V4,8,9, 14, 20)
Socket, Tube, 7-Pin 006-001094
(V6, 12, 13, 15)
Socket, Tube, 9-Pin 008-200395
(V7, 18, 19)
Socket, Tube, 11-Pin 006-001212
(V16,17)
Spring, Anti-Backlash 075-000841
Spring, Cam 075-001007
Spring, Dial Cord 075-100012
Spring, Hold-down 075-001418
Spring, Idler follower 075-200810
Spring, Pivot Plate 075-001008
Stud, Switch 074-003098
Window, Glass, KC 022-000747
Window, Left Glass 022-000746
Window, Right Glass 022-000749



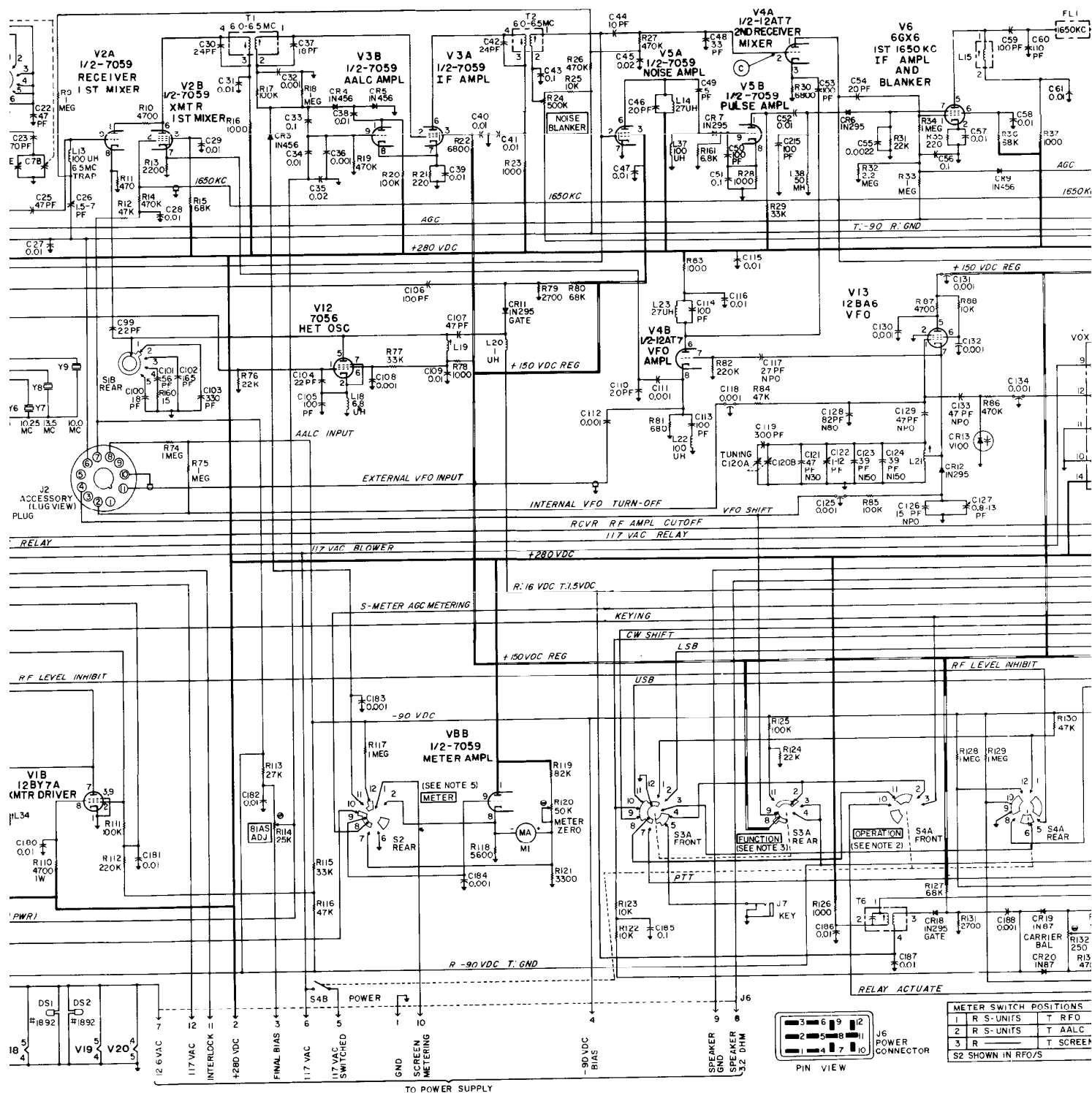
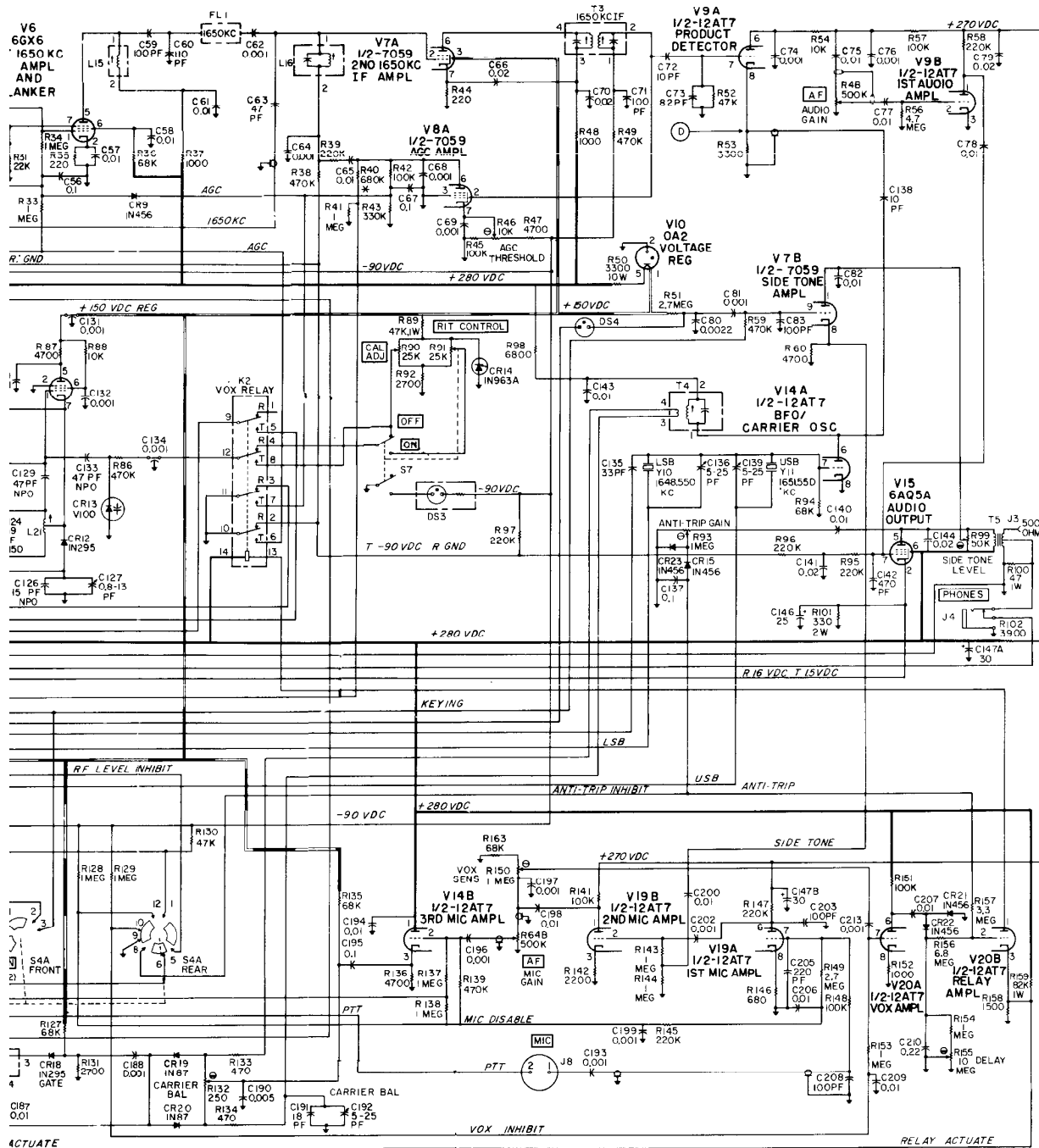


Figure 22. Model SR-2000 Transceiver Schematic Diagram.



ACTUATE

METER SWITCH POSITIONS			
1	R S-UNITS	T RFO	
2	R S-UNITS	T AALC	
3	R	T SCREEN MA	
S2 SHOWN IN RFO/S			

FUNCTION SWITCH POSITIONS	
1	CW
2	TUNE
3	USB
4	LSB
S3 SHOWN IN CW	

OPERATION SWITCH POSITION	
1	OFF (POWER OFF)
2	REC (RECEIVE)
3	MOX (MANUAL XMIT PTT)
4	VOX (AUTOMATIC XMIT)
S4 SHOWN IN OFF	

RECECTOR

155-000348C