

156-002050

Figure 18. Schematic Diagram, Model HA-7 Crystal Calibrator.

## SERVICE REPAIR PARTS LIST

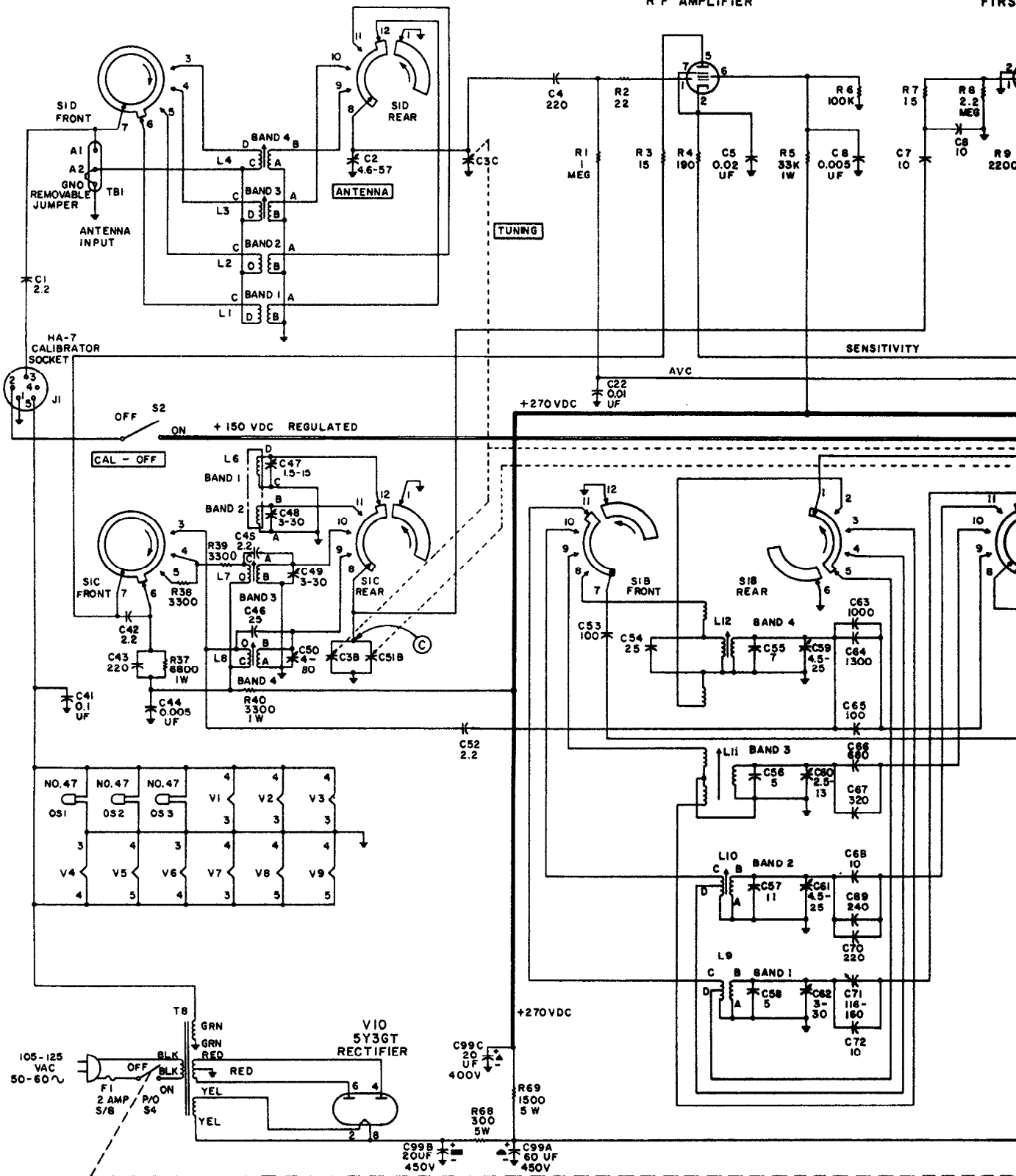
SCHEMATIC SYMBOL	DESCRIPTION	HALLCRAFTERS PART NUMBER	SCHEMATIC SYMBOL	DESCRIPTION	HALLCRAFTERS PART NUMBER	SCHEMATIC SYMBOL	DESCRIPTION	
<b>CAPACITORS</b>			<b>* RESISTORS</b>					
C1, 25, 33, 42, 45, 52	2.2 $\mu$ F, 10%, 500V, Composition	047-200403-04	R1, 26, 56	1 Megohm	451-252105	V9	T	
C2	Variable, 4.6 $\mu$ F to 57 $\mu$ F, ANTENNA Trimmer	048-000546	R2	22 Ohms	451-252220	V10	T	
C3A, B, & C	Variable, TUNING	048-000547	R3, 7, 14	15 Ohms	451-252150	V11	T	
C4, 43, 85	220 $\mu$ F, 5%, 500V, Plastic Mica	493-110221-234	R4	180 Ohms	451-252181	CR1	D	
C5, 18, 21, 26, 28, 34, 40, 82	0.02 $\mu$ F, +80%, -20%, 500V, Ceramic Disc	047-100242	R5, 17	33K Ohms, 1 watt	451-252333			
C6, 9, 10, 11, 12, 44, 76, 93	0.005 $\mu$ F, +80%, -20%, 500V, Ceramic Disc	047-101381	R6, 12, 22, 31, 35, 36, 58	100K Ohms	451-252104	S1	R	
C7, 8, 35	10 $\mu$ F, 5%, 500V, Plastic Mica	493-110100-231	R8	2.2 Megohms	451-252225	S1A	W	
C13, 15, 22, 84, 92, 95	0.01 $\mu$ F, +80%, -20%, 500V, Ceramic Disc	047-100217	R9, 23	2200 Ohms	451-252222	S1B	W	
C14, 29, 39, 41, 94	0.1 $\mu$ F, +80%, -20%, 50V, Ceramic Disc	047-001146	R10, 47, 49, 50, 62	220K Ohms	451-252224	S1C	W	
C16, 30	100 $\mu$ F, 5%, 500V, Plastic Mica	493-110101-234	R11, 29, 38, 39	3300 Ohms	451-252332	S1D	W	
C17	47 $\mu$ F, 5%, 500V, Plastic Mica	493-110470-233	R13	Variable, 2 Megohms, 30%, 1/4 watt, Meter Sensitivity	025-001957	S2	S	
C19	20 $\mu$ F, 5%, 500V, Plastic Mica	493-110200-231	R15	150 Ohms	451-252151	S3	R	
C20	120 $\mu$ F, 5%, 500V, Plastic Mica	493-110121-234	R16	Variable, 400 Ohms, 30%, 1 watt, Meter Zero	025-002293	S4	R	
C23, 24, 31, 32	390 $\mu$ F, 5%, 500V, Plastic Mica	493-110391-234	R18	120K Ohms	451-252124	S5	S	
C27, 37, 80, 81, 83, 90, 91, 98	0.001 $\mu$ F, 20%, 500V, Ceramic Disc	047-101671	R19, 48	1500 Ohms	451-252152			
C36	330 $\mu$ F, 5%, 500V, Plastic Mica	493-110331-234	R20	4700 Ohms	451-252472			
C38	1000 $\mu$ F, 5%, 500V, Plastic Mica	493-310102-234	R21, 28, 41, 45	22K Ohms	451-252223			
C46, 54	25 $\mu$ F, 10%, N750, Ceramic Tubular	491-008250-95	R24	47K Ohms, 2 watts	451-652473			
C47	Variable, Trimmer, 1.5 $\mu$ F to 15 $\mu$ F	044-100399	R25	22K Ohms, 1 watt	451-352223			
C48, 49, 62	Variable, Trimmer, 3 $\mu$ F to 30 $\mu$ F	044-100396	R27	100 Ohms	451-252101			
C50	Variable, Trimmer, 4 $\mu$ F to 80 $\mu$ F	044-100395	R30, 32	47K Ohms	451-252473			
C51A & B	Variable, BANDSPREAD	048-000548	R33	330 Ohms	451-252331			
C53, 74	100 $\mu$ F, 10%, N750, Ceramic Tubular	491-026101-94	R34	68K Ohms	451-252683	Y1		
C55	7 $\mu$ F, $\pm 0.25$ $\mu$ F, N1500, Ceramic	479-011070	R37	6800 Ohms, 1 watt	451-352682			
C56, 58	5 $\mu$ F, $\pm 0.25$ $\mu$ F, N3300, Ceramic	479-031050	R40	3300 Ohms, 1 watt	451-352332			
C57	11 $\mu$ F, 5%, N1500, Ceramic	479-015110	R42	10K Ohms, 1 watt	451-352103			
C59	Variable, Trimmer, 4.5 $\mu$ F to 25 $\mu$ F, NPO	044-200453	R43	6K Ohms, 5 watts, wire wound	445-012602			
C60	Variable, Trimmer, 2.5 $\mu$ F to 13 $\mu$ F, NPO	044-200452	R44	10K Ohms	451-252103			
C81	Variable, Trimmer, 4.5 $\mu$ F to 25 $\mu$ F, NPO	044-200451	R46	3.9 Megohms	451-252395			
C83	1000 $\mu$ F, 5%, 500V, N2200, Ceramic	047-200441	R51, 53	220 Ohms	451-252221			
C84	1300 $\mu$ F, 5%, 500V, Plastic Mica	493-310132-234	R52, 54	390 Ohms	451-252391			
C85	100 $\mu$ F, 10%, NPO, Ceramic Tubular	491-056101-22	R55	820K Ohms	451-252824			
C86	680 $\mu$ F, 5%, 500V, Plastic Mica	493-310681-234	R57	180K Ohms	451-252184	F1		
C87	320 $\mu$ F, 5%, N750, Ceramic Tubular	491-065321-94	R59	10 Megohms	451-252106			
C88	10 $\mu$ F, 10%, NPO, Ceramic Tubular	491-006100-22	R60	Variable, 500K Ohms, 30%, 1/8 watt, AUDIO GAIN	025-002254	J2		
C69	240 $\mu$ F, 5%, 500V, Plastic Mica	493-110241-234	R81	15 Megohms	451-252156			
C70	220 $\mu$ F, 5%, N330, Ceramic Tubular	491-065221-73	R63	880K Ohms	451-252684			
C71	Variable, Trimmer, 116 $\mu$ F to 160 $\mu$ F	044-100398	R64	150 Ohms, 1 watt	451-352151			
C72	10 $\mu$ F, $\pm 0.5$ $\mu$ F, N3300, Ceramic	479-032100	R65	Variable, 10K Ohms, 20%, 1 watt, RF GAIN	025-002253			
C73	1.0 $\mu$ F, $\pm 0.1$ $\mu$ F, N2200, Ceramic	479-220010	R66	330K Ohms	451-252334			
C75	1.0 $\mu$ F, 10%, N750, Ceramic Tubular	491-006010-94	R67	47 Ohms, 1 watt	451-352470			
C77	12 $\mu$ F, 250V, Electrolytic	045-001121	R68	300 Ohms, 5 watts, wire wound	445-012301			
C78, 87	4700 $\mu$ F, 5%, 400V, Paper Tubular	046-001312-03	R69	1500 Ohms, 5 watts, wire wound	445-012152	M1		
C79, 88	0.01 $\mu$ F, 5%, 400V, Paper Tubular	046-001316-03				DS1, 2, 3		
C86, 96	470 $\mu$ F, 5%, 500V, Plastic Mica	493-110471-234	* All Resistors are carbon type, 10%, 1/2 watt, unless otherwise specified.					
C89	0.47 $\mu$ F, 10%, 200V, Paper Tubular	046-001302-04	<b>COILS AND TRANSFORMERS</b>					
C97	10 $\mu$ F, 25V, Electrolytic	045-000934	L1	Coil, Antenna, Band 1	050-000952			
C99	80 $\mu$ F, 450V; 20 $\mu$ F, 450V; 20 $\mu$ F, 400V; Electrolytic	045-200113	L2	Coil, Antenna, Band 2	050-000952			
A, B & C	5 $\mu$ F, 5%, 500V, Plastic Mica	493-110050-231	L3	Coil, Antenna, Band 3	050-000954	J1		
			L4	Coil, Antenna, Band 4	050-000955			
			L5	Coil, BFO	054-000059			
			L6	Coil, Mixer, Bands 1 and 2	051-201319			
			L7	Coil, Mixer, Band 3	051-201326			
			L8	Coil, Mixer, Band 4	051-201327			
			L9	Coil, Oscillator, Band 1	051-201328			
			L10	Coil, Oscillator, Band 2	051-201921			
			L11	Coil, Oscillator, Band 3	051-201933			
			L12	Coil, Oscillator, Band 4	051-201321			
			T1, 2	Transformer, 1650-KC IF	050-000788			
			T3, 4, 5, 6	Transformer, 50-KC IF	050-200489			
			T7	Transformer, Output	055-000519			
			T8	Transformer, Power	052-300221			
			<b>ELECTRON TUBES AND DIODES</b>					
			V1, 4	Tube, Type 6DC6	090-901328			
			V2	Tube, Type 6AU6	090-200808			
			V3	Tube, Type 6C4	090-900830			
			V5	Tube, Type 6BL8	090-901350	TB1, 2		
			V6	Tube, Type 6BA6	090-901112			
			V7	Tube, Type 6BE6	090-901124			
			V8	Tube, Type 6BN8	090-001465			

IST

HALLICRAFTERS PART NUMBER	SCHEMATIC SYMBOL	DESCRIPTION	HALLICRAFTERS PART NUMBER
<b>ELECTRON TUBES AND DIODES (CONT)</b>			
451-252105	V9	Tube, Type 6GW8	090-001502
451-252220	V10	Tube, Type 5Y3GT	090-901111
451-252150	V11	Tube, Type OA2	090-900001
451-252181	CRI	Diode, Type 1N456	019-002984
REMOVED JUMP 451-352333			
451-252104			
<b>SWITCHES</b>			
451-252225	S1	Rotary, BAND SELECTOR	-----
451-252222	S1A	Wafer, Oscillator	062-200055
451-252224	S1B	Wafer, Oscillator	062-200054
	S1C	Wafer, Mixer	062-200053
CI 2.2 451-252332	S1D	Wafer, Antenna	062-200053
	S2	Slide, SPDT, CAL-OFF	060-002548
025-001957	S3	Rotary, SELECTIVITY	060-002626
	S4	Rotary, FUNCTION (Inc. ON/OFF)	060-002628
	S5	Slide, SPDT, ANL-OFF	060-002546
<b>MISCELLANEOUS</b>			
HA-451-252151 CALIBRATED SOCKET			
451-252124		Bracket, Meter Mounting	067-011850
451-252152		Cabinet	066-004055
451-252472		Cabinet Bottom Assembly	150-006769
451-252223		Cabinet Top Assembly	150-006770
		Clip, IF Transformer Mounting	076-003779
451-652473		Core, Coil Tuning (L3-4-7-8-10)	077-100088
451-352223		Core, Coil Tuning (L5)	003-103289
451-252101		Core, Coil Tuning (L11)	003-101543
451-252473		Core, Coil Tuning (L12)	077-101336
451-252331		Core, Coil Tuning (T3-4-5-6)	003-101831
451-252683	Y1	Crystal, 1700 KC	019-003231
451-352682		Dial Cord, Bandspread Gang	038-000061
451-352332		Dial Cord, Tuning and Bandspread Dials	038-000049
451-352103		Dial Scale, BANDSPREAD	083-001029
445-012602		Dial Scale, TUNING	083-001030
451-252103		Escutcheon, Front Panel	007-000871
451-252395		Feet, Plastic Mounting	016-201072
451-252221		Flywheel	071-000212-02
451-252391		Front Panel	068-001455
451-252824	F1	Fuse, 2 Ampere, S/B	039-100428
451-252184		Fuse Holder (Inc. Hardware)	006-200645
451-252106		Glass, Dial Window	022-000711
025-002254	J2	Jack, PHONES	036-000350
		Knob, TUNING and BANDSPREAD	015-001593
		Knob, RF GAIN, BAND SELEC- TOR, ANTENNA, AUDIO GAIN SELECTIVITY, BFO, and FUNCTION	015-001760
451-252334		Line Cord	087-100078
NO. 451-352470		Lock, Line Cord	076-100397
C445-012301		Medallion, Hallicrafters H	007-000850
OS1445-012152	M1	Meter, 0-5 MA Deflection	082-000603
	DS1,2,3	Pilot Lamp, Type NO. 47	039-100004
2 watt,		Pointer, BANDSPREAD and TUNING Dials	082-000600
		Shaft and Index Plate, BAND SELECTOR	074-200172
		Shaft, Antenna Trimmer	074-002883
		Shaft, Control, TUNING and BANDSPREAD	074-002878
050-000952	J1	Socket, Accessory (HA-7)	006-100188
050-000953		Socket, Pilot Light (Bandspread Dial)	086-000665-02
050-000954		Socket, Pilot Light (Meter Dial)	088-000666
050-000955		Socket, Pilot Light (Tuning Dial)	086-000665-01
054-000059		Socket, Tube, Octal (V10)	006-200296
051-201319		Socket, Tube, 7-pin miniature (V1-2-4)	006-200633
051-201328		Socket, Tube, 7-pin miniature (V3)	006-001048
051-201327		Socket, Tube, 7-pin miniature (V6-7)	006-000946
051-201328		Socket, Tube, 7-pin miniature (V8-9)	006-100644
051-201921		Socket, Tube, 9-pin miniature (V5)	006-200672
051-201933		Socket, Tube, 9-pin miniature (V8-9)	006-200493
105-125 VAC 50-60		Spring, Dial Cord Tension, Bandspread Gang	075-000139
050-000788		Spring, Dial Cord Tension, Tuning and Bandspread Dials	075-000893
050-200489		Terminal Board, Antenna and Speaker	088-002461
055-000519	TB1,2	Tube Shield (V1-2-4)	069-000097
052-300221		Tube Shield (V5)	069-000855

V1  
6DC6  
RF AMPLIFIER

FIRS



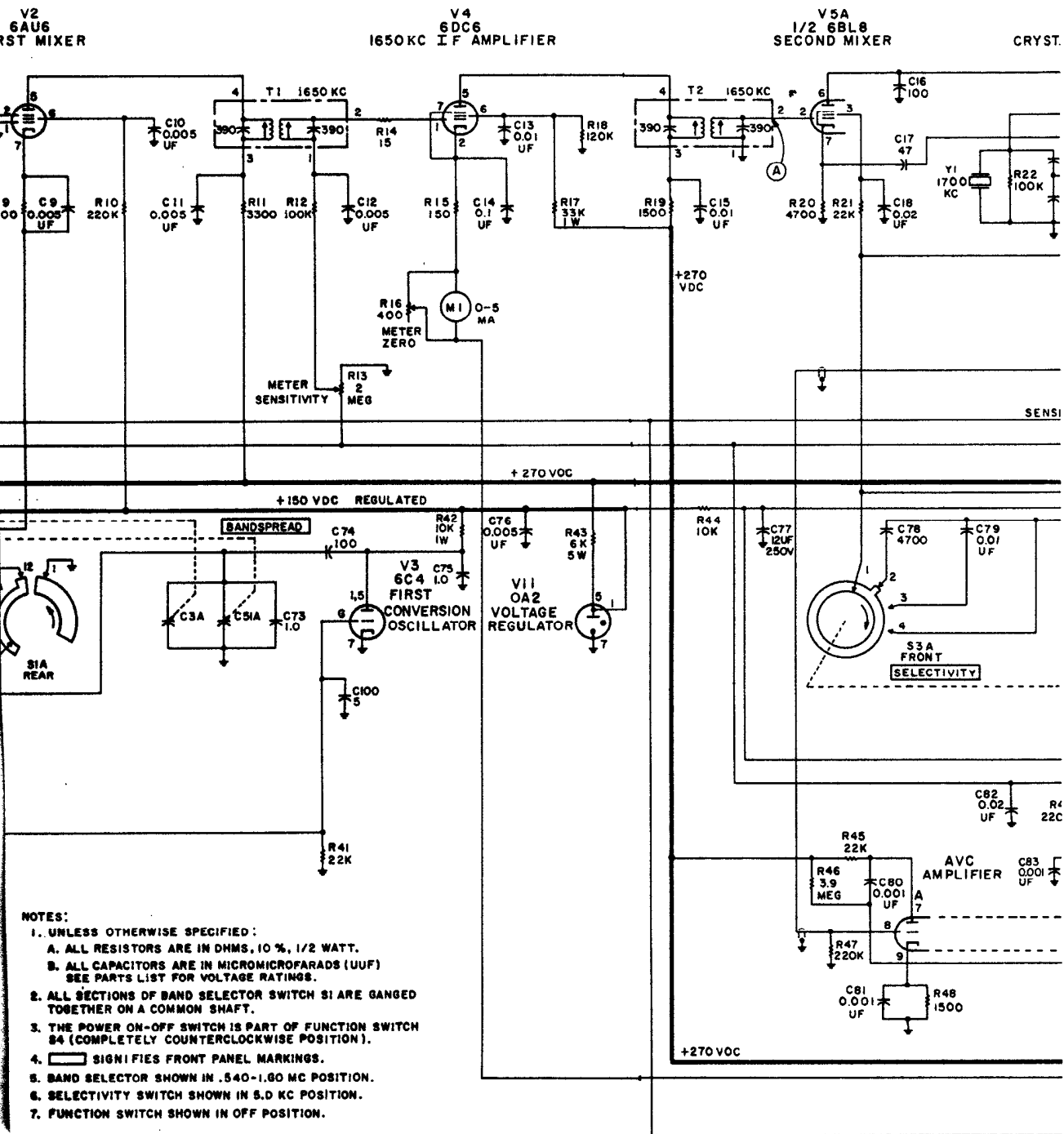


Figure 18. Schematic Diagram, Model SX-122 Receiver.

