



V4
6T8A
AVC, DET., ANL.,
1ST. AUDIO

V3
6BAG
IF AMPL

V2A
1/2 6U8A
MIXER

V1A
1/2 6AZ8
RF AMPL

FOR
AUXILIARY
FUNCTIONS

V5B
1/2 6AW8A
AUDIO OUTPUT

V5A
1/2 6AW8A
METER AMPL

V2B
1/2 6U8A
OSC

VIB
1/2 6AZ8
CRYSTAL
OSC

- NOTES:
1. UNLESS OTHERWISE SPECIFIED: ALL RESISTORS ARE IN OHMS; $\pm 10\%/2$ WATT. ALL CAPACITORS ARE IN MFD. ALL VALUES ARE DC READ FROM POINT INDICATED TO CHASSIS.
 2. BAND SELECTOR SWITCH S1 SHOWN IN OFF POSITION. METER POSITION.
 3. FUNCTION SWITCH S2 SHOWN IN OFF POSITION.
 4. SEE FIGURE OF CHASSIS BOTTOM VIEW FOR LOCATION OF ROTARY SWITCH SECTIONS.
 5. ARROW ON POTENTIOMETER INDICATES POSITION OF POTENTIOMETER. R7 MAXIMUM SENSITIVITY R28 MAXIMUM AUDIO GAIN
 6. FOR FREQUENCY OF CRYSTAL USED & OPERATION OF CRYSTAL OSCILLATOR CIRCUIT REFER TO (1) ALIGNMENT PROCEDURE PARAGRAPH. (2) ALIGNMENT PROCEDURE SECTION.
 7. \perp CHASSIS GROUND

Handwritten notes in blue ink:
 C5 ← 6W4
 C5 -001 uf
 270
 50K
 177
 40-300 uH
 Tc
 A
 TcK

Figure 12. Schematic Drawing.

SERVICE PARTS LIST

Schematic Symbol	Description	Hallicrafters Part Number	Schematic Symbol	Description	Hallicrafters Part Number	Schematic Symbol	Description	Hallicrafters Part Number
CAPACITORS			*RESISTORS (cont.)			SWITCHES		
C1	5.2-25.8 mmf., ANT TRIM	048-000492	R10, 15, 24, 31, 34	47K ohm	451-252473	S1	Switch, Rotary, BAND SELECTOR	060-002388
C2, 9, 43	47 mmf., 500V, 2%; Duramica	482-151470	R13	15K ohm	451-252153	S2	Switch, Rotary, FUNCTION	060-002267
C3, 4, 7, 13, 14, 15, 17, 18, 19, 47, 56	.01 mfd., 500V, 20%; Cer. Disc	047-100224	R16	1.5K ohm	451-252152	S3	Switch, DPDT, CAL-OFF	060-002260
C5, 8, 27, 46, 48	.005 mfd., 500V, 20%; Cer. Disc	047-100442	R17	Resistor, Var., SELECTION; 2K ohm	025-001944	S4	Switch, SPDT, ANL-OFF	060-200967
C6, 23, 24	.1 mfd., 200V, 20%; Moulded Paper	499-014104	R18	82 ohm	451-252820	JACKS, PLUGS, AND SOCKETS		
C10, 11, 44, 55	.02 mfd., 500V, +80-20%; Cer. Disc	047-100242	R20, 32	22K ohm	451-252223	J1	Jack, Phone	036-100002
C12	10 mmf., 500V, 2%; Duramica	482-131100	R21	2.2K ohm	451-252222	PL1	Line Cord and Plug	087-100078
C16, 49	10 mfd., 50V; Electrolytic	045-000724	R26	270K ohm	451-252274	XV3	Socket, Tube; 7 pin min.	066-000946
C20, 22	100 mmf., 500V, 10%; Cer. Disc	047-201182	R27	150K ohm	451-252154	XV1, 2, 4, 5	Socket, Tube; 9 pin min.	006-000947
C21	8 mfd., 250V; Electrolytic	045-000721	R28	Resistor, Var., AUDIO GAIN; 500K ohm	025-001942	XY1	Socket, Crystal	006-100346
C25, 26	.001 mfd., 500V, GMV; Cer. Disc	047-200230	R29, 42	10 megohm	451-252106		Socket, Pilot light, left	086-000541
C28	.1 mfd., 400V, 20%; Moulded Paper	499-024104	R30	220K ohm	451-252224		Socket, Pilot light, right	086-000542
C29	22 mmf., 500V, 2%; Duramica	482-151220	R33	10K ohm, 10%; 1W	451-352103	TUBES AND LAMPS		
C31	56 mmf., 500V, 2%; Duramica	482-161560	R37	2.2 megohm	451-252225	V1	6AZ8; RF Amplifier, Crystal Marker	090-901417
C33	330 mmf., 500V, 2%; Duramica	482-161331	R38	1.8K ohm	451-252182	V2	6U8A; Mixer, Oscillator	090-901285
C35	265 mmf., 500V, 2%; Duramica	493-122650-334	R39	560 ohm	451-252561	V3	6BA6; IF Amplifier	090-901112
C37	175 mmf., 500V, 2%; Duramica	493-121750-334	R40	Resistor, Var., (Carrier Level Meter); 2K ohm	025-001943	V4	6T8A; AVC, Det, ANL, 1st Audio Amplifier	090-901403
C39	59 mmf., 500V, ±2%; N470; Cer. Tub.	491-104590-83	R41	470K ohm	451-252474	V5	6AW8A; Carrier Level Meter Amplifier, Audio Output	090-901103
C41	Capacitor, Var.; CAL RESET	048-000510	R43	180 ohm	451-252181	LM1, 2	Pilot Lamp #47	039-100019
C42	Capacitor, Var.; MAIN TUNING	048-000494	R44	27 ohm, 10%; 1W	451-352270	MISCELLANEOUS PARTS		
C45	27 mmf., 500V, 2%; Duramica	482-151270	R45	10 ohm	451-252100	CR1	Cabinet Weld Assembly	150-900785
C50, 51	.01 mfd., 1400V, GMV; Cer. Disc	047-200752	R46	820 ohm, 10%; 2W	451-652821	CR2, 3	Chassis, Receiver	070-002025
C52, 53	40 mfd., 150V; Electrolytic	045-000725	R47	100K ohm, 10%; 1W	451-352104		Diode, Silicon	019-102354
C54	40 mfd., 250V; Electrolytic	045-000722	*All RESISTORS are 10%, 1/2 watt, carbon type, unless otherwise specified.				Rectifier, Silicon	027-000283
C58	56 mmf., N750, 5%; Cer. Tub.	491-105560-95	TRANSFORMERS				Dial Cord	038-000049
*RESISTORS			COILS				Dial Plate	063-005042
R1, 22, 23, 25, 36	1 megohm	451-252105	L1	Coil, Antenna (80 Meter Band)	051-002970		Dial Window (calibrated)	083-000915
R2	22 ohm	451-252220	L2	Coil, Antenna (40 Meter Band)	051-002971		Front Panel Weld Assembly	150-000509
R3, 11	68 ohm	451-252680	L3	Coil, Antenna (20 Meter Band)	051-002972		Knob, ANT TRIM, CAL RESET	015-001564
R4	Resistor, Var., R.F. GAIN, 12K ohm	025-002040	L4	Coil, Antenna (15 Meter Band)	051-002973		Knob, FUNCTION, BAND SELECTOR	015-201444
R5	10K ohm	451-252103	L5	Coil, Antenna (10 Meter Band)	051-002974		Knob, R.F. GAIN, AUDIO GAIN, SELECTIVITY-BFO	015-201258
R6, 12	33K ohm	451-252333	L6	Coil, Antenna (6 Meter Band)	051-002975		Knob, MAIN TUNING ASSEMBLY	015-301315
R7	15K ohm, 10%, 1W	451-352153	L7	Coil, RF (6 Meter Band)	051-003156		Lock, Line Cord	076-200397
R8, 14	1K ohm	451-252102	L8	Coil, RF (10 Meter Band)	051-003157		Pointer, Main Tuning	082-000489
R9, 19, 35	100K ohm	451-252104	L9	Coil, RF (15 Meter Band)	051-003158		Pointer, Track Assembly	150-000711
			L10	Coil, RF (20 Meter Band)	051-002966		Ring, Retaining	076-100883
			L11	Coil, Oscillator (6 Meter Band)	051-002963		Carrier Level Meter	082-000492
			L12	Coil, Oscillator (10 Meter Band)	051-002962	MI	Shaft, Main Tuning	074-002451
			L13	Coil, Oscillator (15 Meter Band)	051-002961		Shield, Pilot Lamp	086-100037
			L14	Coil, Oscillator (20 Meter Band)	051-002960		Spacer, Track	073-003695
			L15	Coil, Oscillator (40 Meter Band)	051-002959		Spring, Dial Cord	075-000838
			L16	Coil, Oscillator (80 Meter Band)	051-002958		Terminal Board, Antenna	088-202026
			L17				Terminal Board, 4 contact	088-002411
			L18				Terminal Board, Speaker	088-002412
							Washer, Spring	004-002408
							Crystal, Quartz	019-002720