

SERVICE REPAIR PARTS LIST
MODEL SX-117

ERRATA SHEET

MODEL SX-117

Schematic Symbol	Description	Hallicrafters Part Number	Schematic Symbol	Description	Hallicrafters Part Number	Schematic Symbols	Description	Hallicrafters Part Number
CAPACITORS			CAPACITORS (CONT)			COILS AND TRANSFORMERS		
C1	620 μ F, 5%, 300V, Plastic Mica	481-162621	C83	10 μ F, 5%, 300V, Plastic Mica	481-132100	L1A&B	Coil, 6-MC Trap	050-000877
C2	75 μ F, 5%, 300V, Plastic Mica	481-162750	C88	2000 μ F, 5%, 300V, Plastic Mica	481-262202	L2,7	Coil, Shunt (Antenna and Mixer)	051-003496
C3	Variable, PRESELECTOR	048-000534	C89	1000 μ F, 5%, 300V, Plastic Mica	481-262102	L3,8	Coil, 15-Meter Series (Antenna and Mixer)	051-003494
C4,11	470 μ F, 5%, 300V, Plastic Mica	481-162471	C98	25 μ F, 25V, Electrolytic	045-000883	L4,9	Coil, 20-Meter Series (Antenna and Mixer)	051-003495
C5,7,8,9,12,13,17,18,19,24,25,26,27,29,30,31,44,54,124	0.01 μ F, +80%, -20%, 500V, Ceramic Disc	047-100224	C107	0.47 μ F, 10%, 200V, Paper Tubular	046-001302-04	L5	Coil, Antenna	051-003498
C6,10	160 μ F, 5%, 300V, Plastic Mica	481-162161	C108,110	4700 μ F, 5%, 400V, Paper Tubular	046-001312-03	L6	Coil, Mixer	051-003499
C14,37,47,50,56,60,63,64,73,74,82,90,99,100,101,106,121,125	0.02 μ F, +80%, -20%, 500V, Ceramic Disc	047-100242	C109,111	0.01 μ F, 5%, 400V, Paper Tubular	046-001316-03	L10A&B	Coil, Oscillator (10-1 and 80 Meters)	051-003487
C15	Variable, TUNING	048-000533	C112	0.005 μ F, GMV, 500V, Ceramic Disc	047-100168	L11A&B	Coil, Oscillator (10-2 and 40 Meters)	051-003488
C16	15 μ F, 5%, 300V, Plastic Mica	481-132150	C113,114	0.01 μ F, 1400V, Ceramic Disc	047-001309	L12A&B	Coil, Oscillator (10-3 and 15 Meters)	051-003491
C20	56 μ F, 5%, 300V, Plastic Mica	481-162560	C117A,B, & C	60 μ F, 250V; 2 x 80 μ F, 250V, Electrolytic	045-000884	L13A&B	Coil, Oscillator (10-4 and 20 Meters)	051-003490
C21,62,65,87,95,103,105	100 μ F, 5%, 300V, Plastic Mica	481-162101	C118	2.2 μ F, 10%, Gimmick	047-200403-04	L14	Coil, Oscillator (WWV)	051-003489
C22	68 μ F, 5%, 300V, Plastic Mica	481-162680	C119,126	0.1 μ F, 10%, 400V, Paper Tubular	046-001329-04	L15	Coil, RF Choke (22 UH)	053-000659
C23	47 μ F, 5%, 300V, Plastic Mica	481-152470	RESISTORS*			L16	Coil, VFO	051-003509
C28,72,91,115,116,120,122,123	0.1 μ F, +80%, -20%, 50V, Ceramic Disc	047-001146	R1,47	470K ohms	451-252474	L17	Coil, RF Choke (1 MH)	053-000580
C32,33	47 μ F, 10%, 500V, N2200, Ceramic Tubular	479-026470	R2,77	180 ohms	451-252181	L18	Coil, Peaking	051-003497
C34	150 μ F, 5%, 300V, Plastic Mica	481-162151	R3,12,22,29,45,46,52,62	22K ohms	451-252223	L19,25,26	Coil, RF Choke (0.7 MH)	053-000530
C35,36,52,57,75,80,81,86,92,96,97	0.001 μ F, 20%, 500V, Ceramic Disc	047-100503	R4,10,13,17,23,61	1500 ohms	451-252152	L20	Coil, RF Choke (2.5 MH)	053-000335
C38	Variable, Trimmer, CAL RESET	044-000565	R5,8,58,92	100 ohms	451-252101	L21	Coil, T-NOTCH (Bridge)	051-202270
C39	12 μ F, 10%, N750, Ceramic Tubular	491-006120-95	R6,14,24,50	100K ohms	451-252104	L22	Coil, BFO	054-000059
C40	51 μ F, 2%, 300V, Plastic Mica	481-151510	R7,33	1000 ohms	451-252102	L23,24	Coil, Warping (Crystal Oscillator)	051-003500
C41,42	1000 μ F, 2%, 300V, Plastic Mica	481-261102	R9	330K ohms	451-252334	T1,2	Transformer, Variable IF (6.0 MC to 6.5 MC)	050-000869
C43	24 μ F, 2%, 300V, Plastic Mica	481-151240	R11,20	150 ohms	451-252151	T3,4	Transformer, IF (1650 KC)	050-000788
C45	18 μ F, 2%, 300V, Plastic Mica	481-131180	R15,85,87	470 ohms	451-252471	T5,6,7,8	Transformer, IF (50.75 KC)	050-200735
C46	5.6 μ F, 2%, 300V, Plastic Mica	481-131056	R16,53	22K ohms, 1 watt	451-352223	T9	Transformer, Output	055-000449
C48	30 μ F, 2%, 300V, Plastic Mica	481-151300	R18,30,38,42,56,63	1 megohm	451-252105	T10	Transformer, Power	052-000989
C49	7.5 μ F, 2%, 300V, Plastic Mica	481-131075	R19	Variable, 2 megohms, 30%, 1/4 watt, Factory Gain	025-001957	ELECTRON TUBES AND DIODES		
C51	22 μ F, 2%, 300V, Plastic Mica	481-151220	R21	Variable, 400 ohms, 2 watts, Meter Zero	025-002121	V1	Electron Tube, type 6DC6; RF Amplifier	090-901328
C53,61	4.7 μ F, \pm 0.5 μ F, 300V, Plastic Mica	481-135047	R25	Variable, 10K ohms, 20%, 1 watt, RF GAIN	025-002120	V2	Electron Tube, type 6EA8; First Mixer, Cathode Follower	090-901350
C55,102,104	22 μ F, 5%, 300V, Plastic Mica	481-152220	R26,27	270 ohms	451-252271	V3	Electron Tube, type 12AT7; Amateur-Band Crystal Oscillator	090-900034
C58	20 μ F, 5%, 300V, Plastic Mica	481-152200	R28	47 ohms	451-252470	V4	Electron Tube, type 6BA6; 6-MC to 6.5-MC IF Amplifier	090-901112
C59	120 μ F, 5%, 300V, Plastic Mica	481-162121	R31,39,48,64,65,74	220K ohms	451-252224	V5	Electron Tube, type 6BE6; Second Mixer	090-901124
C66,67,76,77	390 μ F, 5%, 300V, Plastic Mica	481-162391	R32,35,37,40	1200 ohms	451-252122	V6	Electron Tube, type 6EA8; VFO, Cathode Follower	090-901350
C68,78	3.3 μ F, 10%, Gimmick	047-200403-05	R34,43	47K ohms	451-252473	V7	Electron Tube, type 6DC6; 1650-KC IF Amplifier	090-901328
C69,84,85	220 μ F, 5%, 300V, Plastic Mica	481-162221	R36,41,49,51,81,82	4700 ohms	451-252472	V8	Electron Tube, type 6EA8; Third Mixer, SSB-Switching Crystal Oscillator	090-901350
C70,71	7500 μ F, 5%, 500V, Silver Mica	470-422752	R44,70	330 ohms	451-252331	V9	Electron Tube, type 6BA6; 50.75-KC IF Amplifier	090-901112
C79,93,94	0.002 μ F, 500V, Ceramic Disc	047-100395	R54	8200 ohms	451-252822	V10	Electron Tube, type 6BN8; AM Detector, AVC Amplifier, AVC Rectifier	090-001465
			R55	Variable, 5000 ohms, 20%, 1/4 watt, NOTCH DEPTH	025-201716	V11	Electron Tube, type 6BE6; Product Detector, BFO	090-901124
			R57	3300 ohms	451-252332	V12	Electron Tube, type 6GW8; First Audio Amplifier, Audio Output	090-001502
			R59	39K ohms	451-252393	V13	Electron Tube, type 6EA8; Auxiliary Crystal Oscillator, Cathode Follower (Not Supplied)	090-901350
			R60	270K ohms	451-252274	V14	Electron Tube, type 6AU6; See Repair Parts List for 100-KC Crystal Calibrator	-----
			R66	390K ohms	451-252394	CR1,2	Diode, Type HD 6225	019-002354
			R67,76	680K ohms	451-252684	CR3,4	Diode, Rectifier, Silicon	027-000306
			R68,90	10K ohms	451-252103			
			R69	15K ohms	451-252153			
			R71	68K ohms	451-252683			
			R75	10 megohms	451-252106			
			R78	12K ohms	451-252123			
			R79	120 ohms, 1 watt	451-352121			
			R80	47 ohms, 1 watt	451-352470			
			R84,86	220 ohms	451-252221			
			R88	Variable, 500K ohms, 20%, 1/8 watt, AF GAIN	025-002119			
			R89	33 ohms, 2 watts	451-652330			
			R91	350 ohms, 10 watts, Wire Wound	453-062351			

* All RESISTORS are carbon type, 1/2 watt, 10% unless otherwise stated.

Prior to production but after the Handbook was printed, certain wiring and component changes were made in the Model SX-117 Receiver to improve its performance.

These changes are contained in the schematic diagram and parts list herein enclosed. Please discard the schematic diagram and parts list contained in the Handbook and refer to those contained within this sheet whenever necessary.

SWITCHES

S1	Rotary, Wafer, BAND SELECTOR	060-002523
S2	Rotary, Wafer, NL-CAL	060-002528
S3	Rotary, Wafer, CRYSTAL SELECTOR	060-002525
S4	Rotary, Wafer, SELECTIVITY	060-002511
S5	Rotary, Wafer, FUNCTION (Inc. ON/OFF)	060-002510

CRYSTALS

Y1	10-4 Meter Band, 36.000 MC	019-002886
Y2	10-3 Meter Band, 35.500 MC	019-002885
Y3	10-2 Meter Band, 35.000 MC	019-002884
Y4	10-1 Meter Band, 34.500 MC	019-002883
Y5	15-Meter Band, 27.500 MC	019-002882
Y6	20-Meter Band, 20.500 MC	019-002881
Y7	40-Meter Band, 13.500 MC	019-002880
Y8	80-Meter Band, 10.000 MC	019-002879
Y9	WWV, 16.000 MC	019-002965
Y10&11	1600 KC and 1700 KC, Matched Pair	019-002961
Y12,13,14,15	General Coverage Crystals (Not Supplied)	-----

CONNECTORS AND SOCKETS

J1	Connector, LF Antenna	036-100041
J2	Connector, Antenna	036-100041
J3	Connector, 100-KC Crystal, 5-pin	006-100186
J4	Connector, Crystal Oscillator Output	036-100041
J5	Connector, VFO Output	036-100041
J6	Connector, PHONES	036-100002
SO1	Socket, VFO Crystal	006-100320

MISCELLANEOUS

F1	Bracket, Meter	067-010598
	Clip, Coil Mounting	076-000986
	Clip, Spring	076-100682
	Core, Coil (L19,25)	077-002158
	Foot, Mounting	016-201072
	Front Panel	068-001309
	Fuse, 1 Ampere, 3AG, Slow-Blow Type	039-100438
	Fuse Holder	006-100451
	Iron Core (L2,5,6,7)	077-100260
	Knob, PRESELECTOR	015-001752-01
	Knob, CAL RESET, OFF-NL-CAL, and BFO	015-001758
	Knob, TUNING	015-001759
	Knob, RF GAIN, XTAL SELECTOR, BAND SELECTOR, FUNCTION, AF GAIN, NOTCH FREQ, and SELECTIVITY	015-001760
DS1	Lamp, Pilot Light, No. 47	039-100004
	Line Cord	087-100078
	Lock, Line Cord	076-000397
	Plug, Phono (J2)	010-100221
	Shield, Pilot Light	069-001758
	Socket, Crystal (Y10&11)	006-200873
	Socket, Pilot Light	086-000626
	Socket, Tube, 7-pin miniature	006-001048
XV1,4,5,7,9,11	Socket, Tube, 9-pin miniature	006-000913
XV2,3,6,8,10,12,13	Switch Wafer, Antenna	062-000203
	Switch Wafer, Mixer	062-000204
	Terminal Board, Antenna (5 Connection)	088-002442
	Window, Dial	022-000696

Form Number 094-903475
Pack with Instruction
Manual 094-903123