SERVICE REPAIR PARTS LIST
MODEL SX-117

Same as Errata sheet except for R29 (changed from 10K to 22K)

CAPACITORS

Schematic Symbol	Description	Hallicrafters Part Number
C1	620 μμF, 5%, 300V, Plastic Mica	481-162621
C2	75 μμF, 5%, 300V, Plastic Mica	481-162750
C3	Variable, PRESELECTOR	048-000534
C4,11	470 μμF, 5%, 300V, Plastic Mica	481-162471
C5,7,8,9, 12,13,17, 18,19,24, 25,26,27, 29,30,31, 44,54,124	0.01 μF, +80%, -20%, 500V, Ceramic Disc	047-100224
C6,10	160 μμF, 5%, 300V, Plastic Mica	481-162161
C14,37, 47,50,56, 60,63,64, 73,74,82, 90,99,100, 101,106,121,125	0.02 μF, +80%, -20%, 500V, Ceramic Disc	047-100242
C15	Variable, TUNING	048-000533
C16	15 μμF, 5%, 300V, Plastic Mica	481-132150
C20	56 μμF, 5%, 300V, Plastic Mica	481-162560
C21,62, 65,87,95, 103,105	100 μμF, 5%, 300V, Plastic Mica	481-162101
C22	68 μμF, 5%, 300V, Plastic Mica	481-162680
C23	47 μμF, 5%, 300V, Plastic Mica	481-152470
C28,72,91, 115,116, 120,122,123	0.1 μF, +80%, -20%, 50V, Ceramic Disc	047-001146
C32,33	47 μμF, 10%, 500V, N2200, Ceramic Tubular	479-026470
C34	150 μμF, 5%, 300V, Plastic Mica	481-162151
C35,36,52, 57,75,80, 81,86,92, 96,97	0.001 μF, 20%, 500V, Ceramic Disc	047-100503
C38	Variable, Trimmer, CAL RESET	044-000565
C39	12 μμF, 10%, N750, Ceramic Tubular	491-006120-95
C40	51 μμF, 2%, 300V, Plastic Mica	481-151510
C41,42	1000 μμF, 2%, 300V, Plastic Mica	481-261102
C43	24 μμF, 2%, 300V, Plastic Mica	481-151240
C45	18 μμF, 2%, 300V, Plastic Mica	481-131180
C46	5.6 μμF, 2%, 300V, Plastic Mica	481-131056
C48	30 μμF, 2%, 300V, Plastic Mica	481-151300
C49	7.5 μμF, 2%, 300V, Plastic Mica	481-131075
C51	22 μμF, 2%, 300V, Plastic Mica	481-151220
C53,61	4.7 μμF, 5%, 300V, Plastic Mica ± .5 mmf	481-132047
C55,102, 104	22 μμF, 5%, 300V, Plastic Mica	481-152220
C58	20 μμF, 5%, 300V, Plastic Mica	481-152200
C59	120 μμF, 5%, 300V, Plastic Mica	481-162121
C66,67,76, 77	390 μμF, 5%, 300V, Plastic Mica	481-162391
C68,78	3.3 μμF, 10%, Gimmick	047-200403-05
C69,84,85	220 μμF, 5%, 300V, Plastic Mica	481-162221
C70,71	7500 μμF, 5%, 500V, Silver Mica	470-422752
C79,93,94	0.002 μF, 500V, Ceramic Disc	047-100395

CAPACITORS (CONT)

Schematic Symbol	Description	Hallicrafters Part Number
C83	10 μμF, 5%, 300V, Plastic Mica	481-132100
C88	2000 μμF, 5%, 300V, Plastic Mica	481-262202
C89	1000 μμF, 5%, 300V, Plastic Mica	481-262102
C98	25 μF, 25V, Electrolytic	045-000883
C107	0.47 μF, 10%, 200V, Paper Tubular	046-001302-04
C108,110	4700 μμF, 5%, 400V, Paper Tubular	046-001312-03
C109,111	0.01 μF, 5%, 400V, Paper Tubular	046-001316-03
C112	0.005 μF, GMV, 500V, Ceramic Disc	047-100168
C113,114	0.01 μF, 1400V, Ceramic Disc	047-001309
C117A,B, & C	60 μF, 250V; 2 x 80 μF, 250V, Electrolytic	045-000884
C118	2.2 μμF, 10%, Gimmick	047-200403-04
C119	0.1 μF, 10%, 400V, Paper Tubular	046-001329-04

RESISTORS*

Schematic Symbol	Description	Hallicrafters Part Number
R1,47	470K ohms	451-252474
R2,77	180 ohms	451-252181
R3,12,22, 45,46,52,62	22K ohms	451-252223
R4,10,13, 17,23,61	1500 ohms	451-252152
R5,8,58,92	100 ohms	451-252101
R6,14,24,50 72,73,83	100K ohms	451-252104
R7,33	1000 ohms	451-252102
R9	330K ohms	451-252334
R11,20	150 ohms	451-252151
R15,85,87	470 ohms	451-252471
R16,53	22K ohms, 1 watt	451-352223
R18,30,38, 42,56,63	1 megohm	451-252105
R19	Variable, 2 megohms, 30%, 1/4 watt, Factory Gain	025-001957
R21	Variable, 400 ohms, 2 watts, Meter Zero	025-002121
R25	Variable, 10K ohms, 20%, 1 watt, RF GAIN	025-002120
R26,27	270 ohms	451-252271
R28	47 ohms	451-252470
R29,68,90	10K ohms	451-252103
R31,39,48, 64,65,74	220K ohms	451-252224
R32,35,37, 40	1200 ohms	451-252122
R34,43	47K ohms	451-252473
R36,41,49, 51,81,82	4700 ohms	451-252472
R44,70	330 ohms	451-252331
R54	8200 ohms	451-252822
R55	Variable, 5000 ohms, 20%, 1/4 watt, NOTCH DEPTH	025-201716
R57	3300 ohms	451-252332
R59	39K ohms	451-252393
R60	270K ohms	451-252274
R66	390K ohms	451-252394
R67,76	680K ohms	451-252684
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 staied.

COILS AND TRANSFORMERS

Schematic Symbols	Description	Hallicrafters Part Number
L1A&B	Coil, 6-MC Trap	050-000877
L2,7	Coil, Shunt (Antenna and Mixer)	051-003496
L3,8	Coil, 15-Meter Series (Antenna and Mixer)	051-003494
L4,9	Coil, 20-Meter Series (Antenna and Mixer)	051-003495
L5	Coil, Antenna	051-003498
L6	Coil, Mixer	051-003499
L10A&B	Coil, Oscillator (10-1 and and 80 Meters)	051-003487
L11A&B	Coil, Oscillator (10-2 and and 40 Meters)	051-003488
L12A&B	Coil, Oscillator (10-3 and and 15 Meters)	051-003491
L13A&B	Coil, Oscillator (10-4 and and 20 Meters)	051-003490
L14	Coil, Oscillator (WWV)	051-003489
L15	Coil, RF Choke (22 UH)	053-000659
L16	Coil, VFO	051-003509
L17	Coil, RF Choke (1 MH)	053-000580
L18	Coil, Peaking	051-003497
L19,25,26	Coil, RF Choke (0.7 MH)	053-000530
L20	Coil, RF Choke (2.5 MH)	053-000335
L21	Coil, T-NOTCH (Bridge)	051-202270
L22	Coil, BFO	054-000059
L23,24	Coil, Warping (Crystal Oscillator)	051-003500
T1,2	Transformer, Variable IF (6.0 MC to 6.5 MC)	050-000869
T3,4	Transformer, IF (1650 KC)	050-000788
T5,6,7,8	Transformer, IF (50.75 KC)	050-200735
T9	Transformer, Output	055-000449
T10	Transformer, Power	052-000989

ELECTRON TUBES AND DIODES

Schematic Symbols	Description	Hallicrafters Part Number
V1	Electron Tube, type 6DC6; RF Amplifier	090-901328
V2	Electron Tube, type 6EA8; First Mixer, Cathode Follower	090-901350
V3	Electron Tube, type 12AT7; Amateur-Band Crystal Oscillator	090-900034
V4	Electron Tube, type 6BA6; 6-MC to 6.5-MC IF Amplifier	090-901112
V5	Electron Tube, type 6BE6; Second Mixer	090-901124
V6	Electron Tube, type 6EA8; VFO, Cathode Follower	090-901350
V7	Electron Tube, type 6DC6; 1650-KC IF Amplifier	090-901328
V8	Electron Tube, type 6EA8; Third Mixer, SSB-Switching Crystal Oscillator	090-901350
V9	Electron Tube, type 6BA6; 50.75-KC IF Amplifier	090-901112
V10	Electron Tube, type 6BN8; AM Detector, AVC Amplifier, AVC Rectifier	090-001465
V11	Electron Tube, type 6BE6; Product Detector, BFO	090-901124
V12	Electron Tube, type 6GW8; First Audio Amplifier, Audio Output	090-001502
V13	Electron Tube, type 6EA8; Auxiliary Crystal Oscillator, Cathode Follower (Not Supplied)	090-901350
V14	Electron Tube, type 6AU6; See Repair Parts List for 100-KC Crystal Calibrator	----------
CR1,2	Diode, Type HD 6225	019-002354
CR3,4	Diode, Rectifier, Silicon	027-000306

SWITCHES

Schematic Symbols	Description	Hallicrafters Part Number
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

Schematic Symbols	Description	Hallicrafters Part Number
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 (01 & 02)
Y12,13, 14,15	General Coverage Crystals (Not Supplied)	----------

CONNECTORS AND SOCKETS

Schematic Symbols	Description	Hallicrafters Part Number
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

Schematic Symbols	Description	Hallicrafters Part Number
	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
F1	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
XV1,4,5, 7,9,11	Socket, Tube, 7-pin miniature	006-001048
XV2,3,6,8, 10,12,13	Socket, Tube, 9-pin miniature	006-000913
	Switch Wafer, Antenna	062-000203
	Switch Wafer, Mixer	062-000204
	Terminal Board, Antenna (5 Connection)	088-002442
	Window, Dial	022-000696