

SECTION VI
PARTS LIST

75A-1 RECEIVER

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
C1	R-F amplifier grid padder	CAPACITOR: 10 mmf $\pm 5\%$; 500 WV	912 4103 10
C2	10 meter trimmer	CAPACITOR: 4.5 mmf to 25.0 mmf; 1000 TV; 500 WV	917 1006 00
C3		CAPACITOR: Not used	
C4	11 meter trimmer	CAPACITOR: 4.5 mmf to 25.0 mmf; 500 WV	917 1006 00
C5	15 meter padder	CAPACITOR: 51 mmf $\pm 5\%$; 500 WV	912 0297 00
C6	15 meter trimmer	CAPACITOR: 4.5 mmf to 25.0 mmf; 500 WV	917 1006 00
C7	20 meter padder	CAPACITOR: 100 mmf $\pm 5\%$; 500 WV	912 3103 10
C8	20 meter trimmer	CAPACITOR: 5 mmf to 50 mmf; 500 WV	917 1007 00
C9	40 meter padder	CAPACITOR: 250 mmf $\pm 5\%$; 500 WV	912 3253 10
C10	40 meter trimmer	CAPACITOR: 5 mmf to 50 mmf; 500 WV	917 1007 00
C11	80 meter padder	CAPACITOR: 620 mmf $\pm 2\%$; 500 WV	935 4203 00
C12	80 meter trimmer	CAPACITOR: 5 mmf to 50 mmf; 500 WV	917 1007 00
C13	V-1 grid de-coupling	CAPACITOR: 0.01 mf $\pm 20\%$; 600 WV	931 1005 00
C14 C14A C14B C14C	C14A, C14B, C14C V1 screen bypass V1 plate decoupling V2 cathode by-pass	CAPACITOR: Triple section; 0.1 mf per section; $\pm 20\%$; 400 WV	961 6045 00
C15	V1 cathode bypass	CAPACITOR: 0.01 mf $\pm 20\%$; 600 WV	931 1005 00
C16	V2 grid padder	CAPACITOR: 10 mmf $\pm 5\%$; 500 WV	912 4103 10
C17	10 meter trimmer	CAPACITOR: 4.5 mmf to 25.0 mmf; 500 WV	917 1006 00
C18		CAPACITOR: Not used	
C19	11 meter trimmer	CAPACITOR: 4.5 mmf to 25.0 mmf; 500 WV	917 1006 00
C20	15 meter padder	CAPACITOR: 51 mmf $\pm 5\%$; 500 WV	912 0297 00
C21	15 meter trimmer	CAPACITOR: 4.5 mmf to 25.0 mmf; 500 WV	917 1006 00
C22	20 meter padder	CAPACITOR: 100 mmf $\pm 5\%$; 500 WV	912 3103 10

PARTS LIST

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
C23	20 meter trimmer	CAPACITOR: 5 mmf to 50 mmf; 500 WV	917 1007 00
C24	40 meter padder	CAPACITOR: 250 mmf $\pm 5\%$; 500 WV	912 3253 10
C25	40 meter trimmer	CAPACITOR: 5 mmf to 50 mmf; 500 WV	917 1007 00
C26	80 meter padder	CAPACITOR: 620 mmf $\pm 2\%$; 500 WV	935 4203 00
C27	80 meter trimmer	CAPACITOR: 5 mmf to 50 mmf; 500 WV	917 1007 00
C28	V1 plate blocking	CAPACITOR: 100 mmf $\pm 20\%$; 500 WV	935 0107 00
C29	H.F. i-f primary padder 1.5 to 2.5 mc	CAPACITOR: 330 mmf $\pm 5\%$; 500 WV	935 0126 00
C30	H.F. i-f primary trimmer 1.5 to 2.5 mc	CAPACITOR: 5 mmf to 50 mmf; 500 WV	917 1007 00
C31	H.F. i-f primary padder	CAPACITOR: 51 mmf $\pm 5\%$; 500 WV	912 0297 00
C32	H.F. i-f trimmer 3.5 to 5.5 mc	CAPACITOR: 4.5 mmf to 25.0 mmf; 500 WV	917 1006 00
C33	H.F. i-f coupling 1.5 to 2.5 mc	CAPACITOR: 5 mmf $\pm 20\%$; 400 WV	913 0100 00
C34	H.F. i-f coupling 3.5 to 5.5 mc	CAPACITOR: 1 mmf $\pm 20\%$; 400 WV	913 0109 00
C35	H.F. i-f secondary padder	CAPACITOR: 51 mmf $\pm 5\%$; 500 WV	912 0297 00
C36	H.F. i-f secondary trimmer 3.5-5.5 mc	CAPACITOR: 45 mmf to 25.0 mmf; 500 WV	917 1006 00
C37	H.F. i-f secondary padder 1.5-2.5 mc	CAPACITOR: 330 mmf $\pm 5\%$; 500 WV	935 0126 00
C38	H.F. i-f secondary trimmer 1.5-2.5 mc	CAPACITOR: 5 mmf to 50 mmf; 500 WV	917 1007 00
C39 C39A C39B C39C	C39A, C39B, C39C V2 screen by-pass V5 plate decoupling V5 screen by-pass	CAPACITOR: Triple section; 0.1 mf per section; $\pm 20\%$; 400 WV	961 6045 00

PARTS LIST

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
C40 C40A C40B C40C	C40A, C40B, C40C Filament by-pass V2 plate decoupling V3 cathode by-pass	CAPACITOR: Triple section; 0.1 mf per section; $\pm 20\%$; 400 WV	961 6045 00
C41	V3 grid decoupling	CAPACITOR: 0.01 mf $\pm 20\%$; 600 WV	931 1005 00
C42	B+ by-pass	CAPACITOR: 0.01 mf $\pm 20\%$; 600 WV	931 1005 00
C43	H.F. i-f primary padder 1.5 - 2.5 mc	CAPACITOR: 330 mmf $\pm 5\%$; 500 WV	935 0126 00
C44	H.F. i-f primary trimmer 1.5 - 2.5mc	CAPACITOR: 5 mmf to 50 mmf; 500 WV	917 1007 00
C45	H.F. i-f primary padder	CAPACITOR: 51 mmf $\pm 5\%$; 500 WV	912 0297 00
C46	H.F. i-f primary trimmer 3.5 - 5.5mc	CAPACITOR: 4.5 mmf to 25.0 mmf; 500 WV	917 1006 00
C47	H.F. i-f coupler 3.5 - 5.5 mc	CAPACITOR: 1 mmf $\pm 20\%$; 400 WV	913 0109 00
C48	H.F. i-f coupler 1.5 - 2.5 mc	CAPACITOR: 5 mmf $\pm 20\%$; 400 WV	913 0100 00
C49	H.F. i-f secondary padder	CAPACITOR: 51 mmf $\pm 5\%$; 500 WV	912 0297 00
C50	H.F. i-f secondary trimmer 3.5 - 5.5mc	CAPACITOR: 4.5 mmf to 25.0 mmf; 500 WV	917 1006 00
C51	H.F. i-f secondary padder 1.5 - 2.5 mc	CAPACITOR: 330 mmf $\pm 5\%$; 500 WV	935 0126 00
C52	H.F. i-f secondary trimmer 1.5 - 2.5mc	CAPACITOR: 5 mmf to 50 mmf; 500 WV	917 1007 00
C53 C53A C53B C53C	C53A, C53B, C53C Gain control by-pass V3 screen by-pass V3 plate decoupling	CAPACITOR: Triple section; 0.1 mf per section; $\pm 20\%$; 400 WV	961 6045 00
C54 C54A C54B C54C	C54A, C54B, C54C V4 cathode by-pass V4 screen by-pass B+ by-pass	CAPACITOR: Triple section; 0.1 mf per section; $\pm 20\%$	956 3016 40

PARTS LIST

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
C55 C55A C55B C55C	C55A, C55B, C55C B+ by-pass B+ by-pass V13 filament by-pass	CAPACITOR: Triple section; 0.1 mf per section; $\pm 20\%$; 400 WV	961 6045 00
C56	10 meter band crystal compensator	CAPACITOR: 5 mmf to 50 mmf; 500 WV	917 1007 00
C57	11 meter band crystal compensator	CAPACITOR: 5 mmf to 50 mmf; 500 WV	917 1007 00
C58	15 meter band crystal compensator	CAPACITOR: 5 mmf to 50 mmf; 500 WV	917 1007 00
C59	20 meter band crystal compensator	CAPACITOR: 5 mmf to 50 mmf; 500 WV	917 1007 00
C60	40 meter band crystal compensator	CAPACITOR: 5 mmf to 50 mmf; 500 WV	917 1007 00
C61	80 meter band crystal compensator	CAPACITOR: 5 mmf to 50 mmf; 500 WV	917 1007 00
C62	Feedback voltage divider	CAPACITOR: 100 mmf $\pm 20\%$; 500 WV	935 0107 00
C63	10 meter crystal output padder	CAPACITOR: 51 mmf $\pm 10\%$; 500 WV	916 0011 00
C64	10 meter crystal output padder	CAPACITOR: 51 mmf $\pm 10\%$; 500 WV	916 0011 00
C65	11 meter crystal output padder	CAPACITOR: 51 mmf $\pm 10\%$; 500 WV	916 0011 00
C66	11 meter crystal output padder	CAPACITOR: 51 mmf $\pm 10\%$; 500 WV	916 0011 00
C67	15 meter crystal output padder	CAPACITOR: 150 mmf $\pm 2\%$; 300 WV	913 0017 00
C68	20 meter crystal output tuning	CAPACITOR: 350 mmf $\pm 10\%$; 500 WV	913 0081 00
C69	Injection voltage coupling	CAPACITOR: 100 mmf $\pm 20\%$; 500 WV	935 0107 00
C70			

PARTS LIST

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
C70 C70A C70B C70C	C70A, C70B, C70C V4 plate decoupling V6 screen by-pass V6 plate decoupling	CAPACITOR: Triple section; 0.1 mf per section; $\pm 20\%$; 400 WV	961 6045 00
C71	Crystal filter phasing	CAPACITOR: Dual section; 3 mmf ± 1 mmf min, 10 mmf ± 1 mmf max per section	922 0023 00
C72 C72A C72B C72C	C72A, C72B, C72C V7 grid decoupling Filament by-pass V6 cathode by-pass	CAPACITOR: Triple section; 0.1 mf per section; $\pm 20\%$	956 3016 40
C73 C73A C73B C73C	C73A, C73B, C73C V7 cathode by-pass V4 screen by-pass V7 plate decoupling	CAPACITOR: Triple section; 0.1 mf per section; $\pm 20\%$; 400 WV	961 6045 00
C74	AVC r-f coupling	CAPACITOR: 100 mmf $\pm 20\%$; 500 WV	935 0107 00
C75	Dectector r-f fil- ter	CAPACITOR: 350 mmf $\pm 20\%$; 500 WV	913 0082 00
C76	V4 cathode by-pass	CAPACITOR: 0.1 mf $\pm 20\%$; 150 WV	931 0001 00
C77	Dectector r-f filter	CAPACITOR: 350 mmf $\pm 20\%$; 500 WV	913 0082 00
C78	Audio coupling	CAPACITOR: 0.1 mf $\pm 20\%$; 150 WV	931 0001 00
C79	Audio coupling	CAPACITOR: 0.01 mf $\pm 20\%$; 600 WV	931 0005 00
C80 C80A C80B C80C	C80A, C80B, C80C AVC time constant Audio filter Det. cathode by-pass	CAPACITOR: Triple section; 0.1 mf per section; $\pm 20\%$	956 3016 40
C81 C81A C81B C81C	C81A, C81B, C81C Transient filter V10 screen by-pass V11 screen by-pass	CAPACITOR: Triple section; 0.1 mf per section;	956 3016 40
C82	V11-V12 audio coupling	CAPACITOR: 0.01 mf $\pm 20\%$; 600 WV	931 0005 00
C83	Equalizer capacitor	CAPACITOR: .002 mf $\pm 20\%$; 300 WV	909 0005 00

PARTS LIST

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
C84 C84A C84B	C84A, C84B Filter	CAPACITOR: Dual section; 40 mf per section; -15% +100%; 450 WV	183 1009 00
C85	BFO coupling	CAPACITOR: 1 mmf \pm 1/4 mmf; 500 WV	916 4194 00
C86	Crystal shunt	CAPACITOR: 3 mmf \pm 1/2 mmf; 500 WV	916 4203 00
C87 C88	Gain control by- pass	CAPACITOR: 10 mf +100% -10%; 50 WV	183 1008 00
F1	Primary fuse	FUSE: 2 amp; 250 v;	264 4070 00
I1, I2, I3, I4, I5, I6, I7, I8, I9, I10, I11, I12	Dial lamp	LAMP: Midget flange base; T-1-3/4 bulb; 6 v; 0.200 amp	262 0023 00
I13	S meter lamp	LAMP: Pilot light bulb; frosted; miniature bayonet base; 6.8 v; .150 amp; 7/16" diam, 1-1/8" lg	262 3230 00
I14, I15	Dial lamp	LAMP: Midget flange base; T-1-3/4 bulb; 6 v; 0.200 amp	262 0023 00
J1	Headphone jack	RECEPTACLE: Phone jack; 2 circuit; for use with 1/4" plug	360 0004 00
L1	10 meter r-f coil	COIL: 9 turns #28 DL enameled wire	503 1300 001
L2	11 meter r-f coil	COIL: 9 turns #28 DL enameled wire	503 1300 001
L3	15 meter r-f coil	COIL: 7 turns #28 DL enameled wire	503 1295 001
L4	20 meter r-f coil	COIL: 10 turns #28 DL enameled wire	503 1296 001
L5	40 meter r-f coil	COIL: 18 turns #28 DL enameled wire	503 1297 001
L6	80 meter r-f coil	COIL: Variable pitch wound; first coil; 17 turns, second coil; 3 turns #32 DL enameled wire	503 1318 002

PARTS LIST

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
L7	10 meter mixer coil	COIL: 9 turns #28 DL enameled wire	503 1300 001
L8	11 meter mixer coil	COIL: 9 turns #28 DL enameled wire	503 1300 001
L9	15 meter mixer coil	COIL: 7 turns #28 DL enameled wire	503 1295 001
L10	20 meter mixer coil	COIL: 10 turns #28 DL enameled wire	503 1296 001
L11	40 meter mixer coil	COIL: 18 turns #28 DL enameled wire	503 1297 001
L12	80 meter mixer coil	COIL: Variable pitch wound; 17 turns #32 DL enameled wire	503 1319 002
L13	Variable i-f coil 1.5 - 2.5 mc	COIL: Variable pitch wound; 55 turns #32 DL enameled wire	503 1317 002
L14	Variable i-f coil 3.5 - 5.5 mc	COIL: 88 turns 1/4" wide pie wound; 9-41 Litz wire	503 1294 001
L15	Variable i-f coil (secondary) 3.5 - 5.5 mc	COIL: 88 turns 1/4" wide pie wound; 9-41 Litz wire	503 1294 001
L16	Variable i-f coil (secondary) 1.5 - 2.5 mc	COIL: Variable pitch wound; 55 turns #32 DL enameled wire	503 1317 002
L17	Second mixer coil 1.5 - 2.5 mc	COIL: Variable pitch wound; 55 turns #32 DL enameled wire	503 1317 002
L18	Second mixer coil (secondary) 3.5 - 5.5 mc	COIL: 88 turns 1/4" wide pie wound; 9-41 Litz wire	503 1294 001
L19	Second mixer coil (secondary) 3.5 - 5.5 mc	COIL: 88 turns 1/4" wide pie wound; 9-41 Litz wire	503 1294 001
L20	Second mixer coil (secondary) 1.5 - 2.5 mc	COIL: Variable pitch wound; 55 turns #32 DL enameled wire	503 1317 002
L22	10 meter crystal coil	COIL: 5 turns #28 DL enameled wire	503 1298 001
L23	10 meter crystal coil	COIL: 5 turns #28 DL enameled wire	503 1298 001
L24	11 meter crystal coil	COIL: 5 turns #28 DL enameled wire	503 1298 001

PARTS LIST

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
L25	11 meter crystal	COIL: 5 turns #28 DL enameled wire	503 1298 001
L26	15 meter crystal	COIL: 6 turns #28 DL enameled wire	503 1299 001
L27	20 meter crystal	COIL: 6 turns #28 DL enameled wire	503 1299 001
L28	Power supply filter reactor	REACTOR: Filter; 3 henries; 100 ohms; 120 cps; 2500 TV rms	668 0020 00
L29	Power supply filter reactor	REACTOR: Filter; 5 henries; 300 ohms; 120 cps; 2500 TV rms	668 0019 00
M1	S meter	METER: Signal level; 1 ma dc at full scale; 45 ohms; 2% accuracy; illuminated dial	458 0044 00
P1	Power cord and plug	CONNECTOR: Two conductor flexible AC cord; standard AC plug	426 1003 00
R1	V1 grid decoupling	RESISTOR: 10,000 ohm $\pm 10\%$; 1/2 watt	745 1128 00
R2	V1 cathode	RESISTOR: 220 ohm $\pm 10\%$; 1/2 watt	745 1058 00
R3	V1 screen dropping	RESISTOR: 68,000 ohm $\pm 10\%$; 1 watt	745 3163 00
R4	V1 plate decoupling	RESISTOR: 10,000 ohm $\pm 10\%$; 1 watt	745 3128 00
R5	V2 grid decoupling	RESISTOR: 0.10 megohm $\pm 10\%$; 1/2 watt	745 1170 00
R6	V2 cathode	RESISTOR: 220 ohm $\pm 10\%$; 1/2 watt	745 1058 00
R7	V2 screen dropping	RESISTOR: 15,000 ohm $\pm 10\%$; 1 watt	745 3135 00
R8	V2 plate decoupling	RESISTOR: 2200 ohm $\pm 10\%$; 1 watt	745 3100 00
R9	V3 grid decoupling	RESISTOR: 10,000 ohm $\pm 10\%$; 1/2 watt	745 1128 00
R10	V3 screen dropping	RESISTOR: 0.10 megohm $\pm 10\%$; 1 watt	745 3170 00
R11	V3 plate decoupling	RESISTOR: 2200 ohm $\pm 10\%$; 1 watt	745 3100 00
R12	V4 cathode	RESISTOR: 820 ohms $\pm 10\%$; 1/2 watt	745 1083 00
R13	V4 screen dropping	RESISTOR: 22,000 ohm $\pm 10\%$; 1 watt	745 3142 00
R14	V13 B+ filter	RESISTOR: 3300 ohm $\pm 20\%$; 1/2 watt	745 1108 00
R15	V5 grid leak	RESISTOR: 0.10 megohm $\pm 10\%$; 1/2 watt	745 1170 00
R16	V5 screen dropping	RESISTOR: 22,000 ohm $\pm 10\%$; 1 watt	745 3142 00

PARTS LIST

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
R17	40, 80 meter crystal load	RESISTOR: 330 ohm $\pm 10\%$; 1/2 watt	745 1065 00
R17A, R17B	V5 cathode	RESISTOR: 470 ohm $\pm 20\%$; 1/2 watt	745 1073 00
R18	V5 plate decoupling	RESISTOR: 2200 ohm $\pm 10\%$; 1 watt	745 3100 00
R19	V2 injector grid return	RESISTOR: 0.33 megohm $\pm 10\%$; 1/2 watt	745 1191 00
R20	V4 plate decoupling	RESISTOR: 2200 ohm $\pm 10\%$; 1 watt	745 3100 00
R21	Selectivity control resistor	RESISTOR: 0.10 megohm $\pm 10\%$; 1/2 watt	745 1170 00
R22	Selectivity control resistor	RESISTOR: 22,000 ohm $\pm 10\%$; 1/2 watt	745 1142 00
R23	Selectivity control resistor	RESISTOR: 4,700 ohm $\pm 10\%$; 1/2 watt	745 1114 00
R24	S meter zero adjust	RESISTOR: 500 ohm $\pm 20\%$; 1/2 watt	376 3753 00
R25	V6 cathode	RESISTOR: 330 ohm $\pm 10\%$; 1/2 watt	745 1065 00
R26	V6 screen dropping	RESISTOR: 22,000 ohm $\pm 10\%$; 1 watt	745 3142 00
R27	V6 plate decoupling	RESISTOR: 2200 ohm $\pm 10\%$; 1 watt	745 3100 00
R28	V7 grid decoupling	RESISTOR: 10,000 ohm $\pm 10\%$; 1/2 watt	745 1128 00
R29	RF gain control	RESISTOR: 10,000 ohm $\pm 20\%$; 1/2 watt	376 4037 00
R30	V7 cathode	RESISTOR: 560 ohm $\pm 10\%$; 1/2 watt	745 1076 00
R31	V7 screen dropping	RESISTOR: 0.33 megohm $\pm 20\%$; 1 watt	745 1192 00
R32	V7 plate decoupling	RESISTOR: 0.12 megohm $\pm 10\%$; 1 watt	745 3174 00
R33	V10 plate load	RESISTOR: 0.10 megohm $\pm 10\%$; 1 watt	745 3170 00
R34	V10 screen dropping	RESISTOR: 0.33 megohm $\pm 10\%$; 1 watt	745 3191 00
R35	AVC series resistor	RESISTOR: 0.47 megohm $\pm 10\%$; 1/2 watt	745 1198 00

PARTS LIST

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
R36	V9 plate load	RESISTOR: 0.47 megohm $\pm 10\%$; 1/2 watt	745 1198 00
R37	Detector load	RESISTOR: 47,000 ohm $\pm 20\%$; 1/2 watt	745 1157 00
R38	Detector load	RESISTOR: 10,000 ohm $\pm 10\%$; 1/2 watt	745 1128 00
R39	Limiter filter	RESISTOR: 0.33 megohm $\pm 20\%$; 1/2 watt	745 1192 00
R40	Limiter filter	RESISTOR: 0.10 megohm $\pm 10\%$; 1/2 watt	745 1170 00
R41	Detector load	RESISTOR: 0.47 megohm $\pm 20\%$; 1/2 watt	745 1199 00
R42	Limiter cathode	RESISTOR: 0.47 megohm $\pm 10\%$; 1/2 watt	745 1198 00
R43	AVC delay voltage divider	RESISTOR: 0.22 megohm $\pm 10\%$; 1 watt	745 3184 00
R44	V9 cathode and AVC voltage divider	RESISTOR: 2200 ohm $\pm 10\%$; 1/2 watt	745 1100 00
R45	S meter sensitivity control	RESISTOR: 1000 ohm $\pm 20\%$	376 3754 00 1087
R46	Audio gain	RESISTOR: 0.50 megohm; $\pm 20\%$; 1/2 watt	376 3132 00
R47	V11 cathode	RESISTOR: 1000 ohm $\pm 20\%$; 1/2 watt	745 1087 00
R48	V11 screen dropping	RESISTOR: 1.2 megohm $\pm 10\%$; 1 watt	745 3216 00
R49	V11 plate load	RESISTOR: 0.22 megohm $\pm 10\%$; 1 watt	745 3184 00
R50	V12 grid load	RESISTOR: 0.47 megohm $\pm 10\%$; 1/2 watt	745 1198 00
R51	V12 cathode	RESISTOR: 330 ohm $\pm 10\%$; 1 watt	745 3065 00
R52	V4 cathode	RESISTOR: 330 ohm $\pm 10\%$; 1/2 watt	745 1065 00
R53	V6 screen bleeder	RESISTOR: 18,000 ohm $\pm 10\%$; 1 watt	745 3139 00
R54	RF bias bleeder	RESISTOR: 0.22 megohm $\pm 10\%$; 1/2 watt	745 1184 00
R55	Transient filter	RESISTOR: 430 ohm $\pm 5\%$; 1/2 watt	745 1070 00
R56	T2 primary loading	RESISTOR: 0.33 megohm $\pm 10\%$; 1/2 watt	745 1191 00
R57	Audio output loading	RESISTOR: 2200 ohm $\pm 10\%$; 2 watt	745 5100 00

PARTS LIST

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
S1	RF band-switch	SWITCH: 6 position; 1 pole tap switch section	269 1020 00
S2	Mixer band switch	SWITCH: 6 position; 1 pole tap switch section	269 1020 00
S3	Variable i-f band switch	SWITCH: 6 position; 1 pole tap switch section	269 1020 00
S4	Variable i-f band switch	SWITCH: 6 position; 1 pole tap switch section	269 1020 00
S5	Second mixer band switch	SWITCH: 6 position; 1 pole tap switch section	269 1020 00
S6	Second mixer band switch	SWITCH: 6 position; 1 pole tap switch section	269 1020 00
S7	Pilot light band switch	SWITCH: 6 position; 2 pole tap switch section	269 1021 00
S8	Crystal band switch	SWITCH: 6 position; 1 pole tap switch section	269 1020 00
S9	Harmonic selector band switch	SWITCH: 6 position, 2 pole tap switch section	269 1021 00
S10	Harmonic selector band switch	SWITCH: 6 position; 2 pole tap switch section	269 1021 00
S11	Selectivity control switch	SWITCH: Band change; 1 circuit, shorting; 5 position; 1 deck	259 0033 00
S12	MAN-AVC-CW selector	SWITCH: Band change; two circuit, shorting; 3 position; 1 deck	259 0054 00
S13	OFF-FIL-ON-B+ ON selector switch	SWITCH: Band change; two circuit, shorting; 3 position, 1 deck	259 0034 00
S14	Limiter	SWITCH: DPST toggle	260 0632 00
T1	Crystal filter transformer	TRANSFORMER: Crystal filter plate; 490 to 510 kc; adjustable powdered iron core	278 0058 00
T2	First i-f transformer	TRANSFORMER: Crystal filter grid coil assem; 490 to 510 kc; adjustable powdered iron core	278 0059 00
T3	Interstage i-f transformer	TRANSFORMER: I.,F. interstage; 490 to 510 kc; adjustable powdered iron core	278 0028 00

PARTS LIST

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
T4	Output i-f transformer	TRANSFORMER: I.F. diode 490 to 510 kc; adjustable powdered iron core	278 0029 00
T5	Audio output transformer	TRANSFORMER: Audio output Pri: 5000 ohm; Sec: 500 ohm; tapped at 4 ohm; 300 to 3500 cps	667 0018 00
T6	BFO transformer	TRANSFORMER: BFO coil assembly; adjustable powdered iron core; 480 to 520 kc	278 0027 00
T7	Power transformer	TRANSFORMER: Power; Pri: 117 v, Sec #1: 700 v CT; 0.090 amp, Sec #2: 5 v, 2 amp, Sec #3: 6.3 v, 5 amp, 50/60 cps	662 0017 00
V1	RF tube	TUBE: Type 6AK5; r-f amplifier pentode	257 0040 00
V2	First mixer	TUBE: Type 6SA7; pentagrid converter	255 0121 00
V3	Variable i-f tube	TUBE: Type 6SK7; triple grid super-control amplifier	255 0064 00
V4	Second mixer	TUBE: Type 6L7; pentagrid mixer amplifier	255 0127 00
V5	Crystal oscillator	TUBE: Type 6AK5; r-f amplifier pentode	257 0040 00
V6	First i-f tube	TUBE: Type 6SG7; h-f amplifier pentode	255 0177 00
V7	Second i-f tube	TUBE: Type 6SG7; h-f amplifier pentode	255 0177 00
V8	Detector and limiter	TUBE: Type 6H6; twin diode	255 0117 00
V9	AVC tube	TUBE: Type 6SJ7; triple grid detector amplifier	255 0030 00
V10	BFO tube	TUBE: Type 6SJ7; triple grid detector amplifier	255 0030 00
V11	Audio amplifier	TUBE: Type 6SJ7; triple grid detector amplifier	255 0030 00
V12	Power amplifier	TUBE: Type 6V6; beam power amplifier	255 0090 00
V14	Rectifier	TUBE: Type 5Y3GT; full-wave high-vacuum rectifier	255 0157 00
X1	Socket for V1	SOCKET: Miniature; tube; ceramic	220 1003 00
X2, X3, X4	Socket for V2, V3, V4	SOCKET: Octal tube; black bakelite	220 1015 00
X5	Socket for V5	SOCKET: Miniature tube; ceramic	220 1003 00

13646

PARTS LIST

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
X6, X7, X8, X9, X10, X11, X12	Socket for V6, V7, V8, V9, V10, V11, V12	SOCKET: Octal tube; black bakelite	220 1015 00
X13	Fuse holder	HOLDER: Fuse; for 3 AG fuses	265 1002 00
X14	Socket for V14	SOCKET: Octal tube; black bakelite	220 1015 00
X15, X16, X17, X18	Socket for Y1, Y2, Y3, Y4	SOCKET: 8 eyelets with ends flattened on mounting plate	503 1290 001
X19, X20	Socket for Y5, Y6	SOCKET: 4 eyelets with ends flattened on mounting plate	503 1291 001
Y1	Crystal for 10 meter operation	CRYSTAL: 11,166 kc	291 2927 00
Y2	Crystal for 11 meter operation	CRYSTAL: 10,500 kc	291 2926 00
Y3	Crystal for 15 meter operation	CRYSTAL: 11,650 kc	291 2928 00
Y4	Crystal for 20 meter operation	CRYSTAL: 8,250 kc	291 2924 00
Y5	Crystal for 40 meter operation	CRYSTAL: 9,300 kc	291 2925 00
Y6	Crystal for 80 meter operation	CRYSTAL: 5700 kc	291 2923 00
Y7	Filter crystal	CRYSTAL: 500 kc	291 2922 00
70E-7A	Oscillator	This unit has been dehydrated and hermetically sealed and should be returned to the Collins Radio Company if servicing is required.	

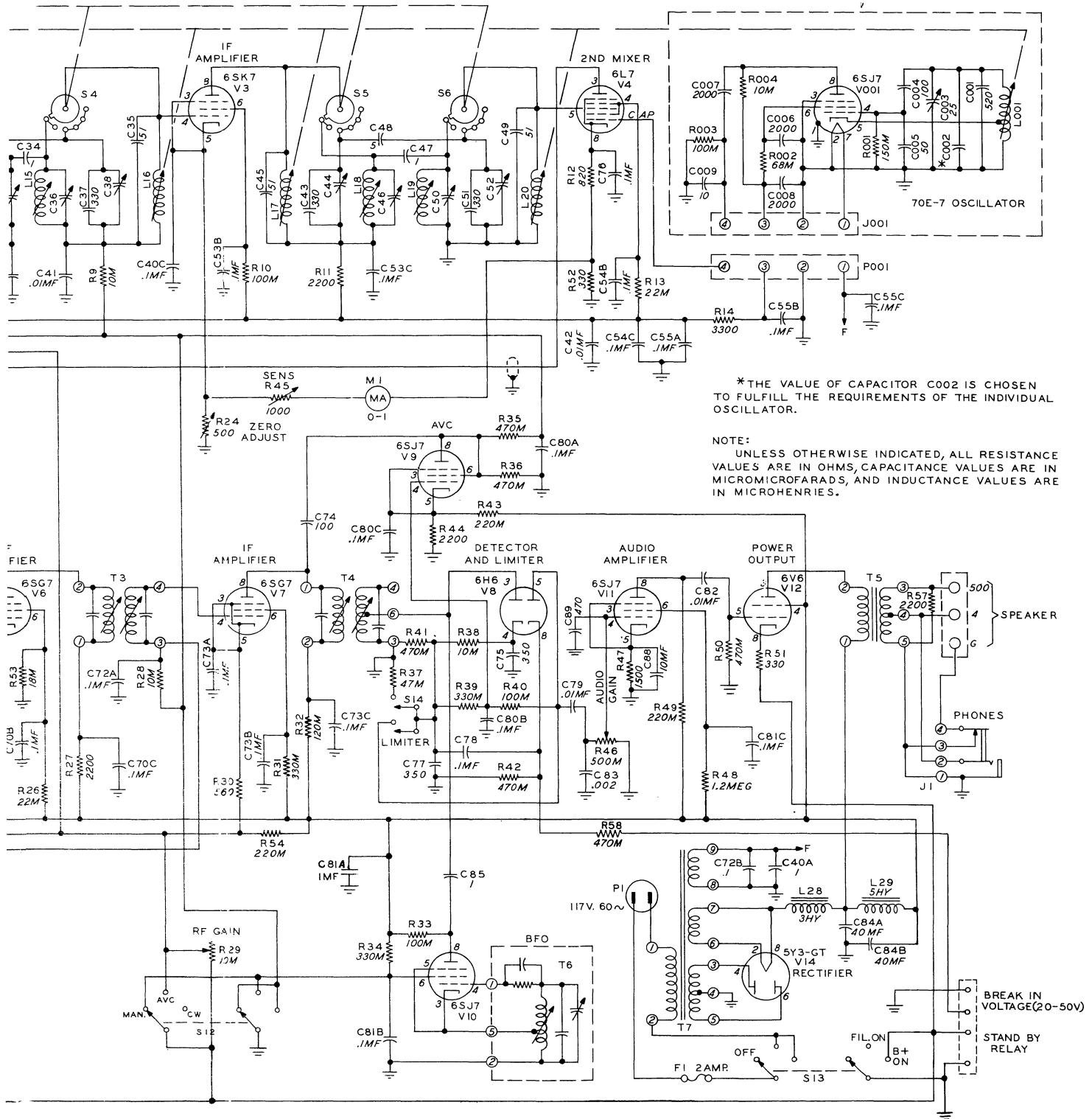


Figure 5-4 Receiver Schematic Diagram

