

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 +40 -20%; 600 WV	931 0195 00
C14 C15A C15B C15C	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
C16	V1 cathode bypass	CAPACITOR: 0.01 mf +40 -20%; 600 WV	931 0195 00
C17	V2 grid padder	CAPACITOR: 10 mmf $\pm 5\%$; 500 WV	912 4103 10
C18	10 meter trimmer	CAPACITOR: 4.5 mmf to 25.0 mmf; 500 WV CAPACITOR: Not used	917 1006 00
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

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ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
C23	20 meter trimmer	CAPACITOR: 5 mmf to 50 mmf; 500 WV	917 1007 0
C24	40 meter padder	CAPACITOR: 250 mmf $\pm 5\%$; 500 WV	912 3253 1
C25	40 meter trimmer	CAPACITOR: 5 mmf to 50 mmf; 500 WV	917 1007 0
C26	80 meter padder	CAPACITOR: 620 mmf $\pm 2\%$; 500 WV	935 4203 0
C27	80 meter trimmer	CAPACITOR: 5 mmf to 50 mmf; 500 WV	917 1007 0
C28	V1 plate blocking	CAPACITOR: 100 mmf $\pm 20\%$; 500 WV	935 0107 0
C29	H.F. i-f primary padder 1.5 to 2.5 mc	CAPACITOR: 330 mmf $\pm 5\%$; 500 WV	935 0126 0
C30	H.F. i-f primary trimmer 1.5 to 2.5 mc	CAPACITOR: 5 mmf to 50 mmf; 500 WV	917 1007 0
C31	H.F. i-f primary padder	CAPACITOR: 51 mmf $\pm 5\%$; 500 WV	912 0297 0
C32	H.F. i-f trimmer 3.5 to 5.5 mc	CAPACITOR: 4.5 mmf to 25.0 mmf; 500 WV	917 1006 0
C33	H.F. i-f coupling 1.5 to 2.5 mc	CAPACITOR: 5 mmf $\pm 20\%$; 400 WV	913 0100 0
C34	H.F. i-f coupling 3.5 to 5.5 mc	CAPACITOR: 1 mmf $\pm 20\%$; 400 WV	913 0109 0
C35	H.F. i-f secondary padder	CAPACITOR: 51 mmf $\pm 5\%$; 500 WV	912 0297 0
C36	H.F. i-f secondary trimmer 3.5-5.5 mc	CAPACITOR: 45 mmf to 25.0 mmf; 500 WV	917 1006 0
C37	H.F. i-f secondary padder 1.5 - 2.5 mc	CAPACITOR: 330 mmf $\pm 5\%$; 500 WV	935 0126 0
C38	H.F. i-f secondary trimmer 1.5 - 2.5 mc	CAPACITOR: 5 mmf to 50 mmf; 500 WV	917 1007 0
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 0

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EM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
C40 40A 40B 40C	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 +40 -20%; 600 WV	931 0195 00
C42	B+ by-pass	CAPACITOR: 0.01 mf +40 -20%; 600 WV	931 0195 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 A B C	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 A B C	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

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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
C56	10 meter band crystal compensator	CAPACITOR: 5 mmf to 50 mmf; 500 WV	917 1007
C57	11 meter band crystal compensator	CAPACITOR: 5 mmf to 50 mmf; 500 WV	917 1007
C58	15 meter band crystal compensator	CAPACITOR: 5 mmf to 50 mmf; 500 WV	917 1007
C59	20 meter band crystal compensator	CAPACITOR: 5 mmf to 50 mmf; 500 WV	917 1007
C60	40 meter band crystal compensator	CAPACITOR: 5 mmf to 50 mmf; 500 WV	917 1007
C61	80 meter band crystal compensator	CAPACITOR: 5 mmf to 50 mmf; 500 WV	917 1007
C62	Feedback voltage divider	CAPACITOR: 68 mmf $\pm 10\%$; 500 WV	935 0099
C63	10 meter crystal output padder	CAPACITOR: 51 mmf $\pm 10\%$; 500 WV	916 0011
C64	10 meter crystal output padder	CAPACITOR: 51 mmf $\pm 10\%$; 500 WV	916 0011
C65	11 meter crystal output padder	CAPACITOR: 51 mmf $\pm 10\%$; 500 WV	916 0011
C66	11 meter crystal output padder	CAPACITOR: 51 mmf $\pm 10\%$; 500 WV	916 0011
C67	15 meter crystal output padder	CAPACITOR: 150 mmf $\pm 2\%$; 300 WV	913 0017
C68	20 meter crystal output tuning	CAPACITOR: 350 mmf $\pm 10\%$; 500 WV	913 0081
C69	Injection voltage coupling	CAPACITOR: 100 mmf $\pm 20\%$; 500 WV	935 0107
C70			

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ITEM	CIRCUIT FUNCTION	DESCRIPTION	PART NUMBER
C70	C70A, C70B, C70C V4 plate decoupling $\pm 20\%$; 400 W	CAPACITOR: Triple section; 0.1 mf per section;	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 V7 grid decoupling $\pm 20\%$	CAPACITOR: Triple section; 0.1 mf per section;	956 3016 40
C72B	filament by-pass		
C72C	V6 cathode by-pass		
C73	C73A, C73B, C73C V7 cathode by-pass $\pm 20\%$; 400 W	CAPACITOR: Triple section; 0.1 mf per section;	961 6045 00
C73A	V7 cathode by-pass		
C73B	V4 screen by-pass		
C73C	V7 plate decoupling		
C74	AVC r-f coupling	CAPACITOR: 100 mmf $\pm 20\%$; 500 W	935 0107 00
C75	Detector r-f fil-ter	CAPACITOR: 350 mmf $\pm 20\%$; 500 W	913 0082 00
C76	V4 cathode by-pass	CAPACITOR: 0.1 mf $\pm 20\%$; 150 W	931 0001 00
C77	Detector r-f filter	CAPACITOR: 350 mmf $\pm 20\%$; 500 W	913 0082 00
C78	Audio coupling	CAPACITOR: 0.1 mf $\pm 20\%$; 150 W	931 0001 00
C79	Audio coupling	CAPACITOR: 0.01 mf $\pm 40 -20\%$; 600 W	931 0195 00
C80	C80A, C80B, C80C AVC time constant $\pm 20\%$	CAPACITOR: Triple section; 0.1 mf per section;	956 3016 40
C80B	Audio filter		
C80C	Det. cathode by-pass		
C81	C81A, C81B, C81C Transient filter	CAPACITOR: Triple section; 0.1 mf per section;	956 3016 40
C81A	V10 screen by-pass		
C81B	V11 screen by-pass		
C82	V11-V12 audio coupling	CAPACITOR: 0.01 mf $\pm 40 -20\%$; 600 W	931 0195 00
C83	Equalizer capacitor	CAPACITOR: .002 mf $\pm 20\%$; 300 W	909 0005 00

COLLINS

PART NUMBER

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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 0
C85	BFO coupling	CAPACITOR: 1 mmf $\pm 1/4$ mmf; 500 WV	916 4194 0
C86	Crystal shunt	CAPACITOR: 3 mmf $\pm 1/2$ mmf; 500 WV	916 4203 0
C87, C88	Gain control bypass	CAPACITOR: 10 mf +100% -10%; 50 WV	183 1008 0
C89	RF Bypass	CAPACITOR: 470 mmf $\pm 20\%$; 500 WV	935 0135 0
F1	Primary fuse	FUSE: 2 amp; 250 v	264 4070 0
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 0
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
I14, I15	Dial lamp	LAMP: Midget flange base; T-1-3/4 bulb; 6 v; 0.200 amp	262 0023
J1	Headphone jack	RECEPTACLE: Phone jack; 2 circuit; for use with 1/4" plug	360 0004
L1	10 meter r-f coil	COIL: 9 turns #28 DL enameled wire	503 1300
L2	11 meter r-f coil	COIL: 9 turns #28 DL enameled wire	503 1300
L3	15 meter r-f coil	COIL: 7 turns #28 DL enameled wire	503 1295
L4	20 meter r-f coil	COIL: 10 turns #28 DL enameled wire	503 1296
L5	40 meter r-f coil	COIL: 18 turns #28 DL enameled wire	503 1297
L6	80 meter r-f coil	COIL: Variable pitch wound; first coil; 17 turns, second coil; 3 turns #32 DL enameled wire	503 1318

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M	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
	10 meter mixer coil	COIL: 9 turns #28 DL enameled wire	503 1300 001
	11 meter mixer coil	COIL: 9 turns #28 DL enameled wire	503 1300 001
	15 meter mixer coil	COIL: 7 turns #28 DL enameled wire	503 1295 001
0	20 meter mixer coil	COIL: 10 turns #28 DL enameled wire	503 1296 001
1	40 meter mixer coil	COIL: 18 turns #28 DL enameled wire	503 1297 001
2	80 meter mixer coil	COIL: Variable pitch wound; 17 turns #32 DL enameled wire	503 1319 002
3	Variable i-f coil 1.5 - 2.5 mc	COIL: Variable pitch wound; 56 turns #32 DL enameled wire	503 1317 002
4	Variable i-f coil 3.5 - 5.5 mc	COIL: 88 turns 1/4" wide pie wound; 9-41 Litz wire	503 1294 001
5	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
6	Variable i-f coil (secondary) 1.5 - 2.5 mc	COIL: Variable pitch wound; 56 turns #32 DL enameled wire	503 1317 002
7	Second mixer coil 1.5 - 2.5 mc	COIL: Variable pitch wound; 56 turns #32 DL enameled wire	503 1317 002
3	Second mixer coil (secondary) 3.5 - 5.5 mc	COIL: 88 turns 1/4" wide pie wound; 9-41 Litz wire	503 1294 001
7	Second mixer coil (secondary) 3.5 - 5.5 mc	COIL: 88 turns 1/4" wide pie wound; 9-41 Litz wire	503 1294 001
0	Second mixer coil (secondary) 1.5 - 2.5 mc	COIL: Variable pitch wound; 56 turns #32 DL enameled wire	503 1317 002
2	10 meter crystal coil	COIL: 5 turns #28 DL enameled wire	503 1298 001
3	10 meter crystal coil	COIL: 5 turns #28 DL enameled wire	503 1298 001
4	11 meter crystal coil	COIL: 5 turns #28 DL enameled wire	503 1298 001

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ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
L25	11 meter crystal	COIL: 5 turns #28 DL enameled wire	503 1298 00
L26	15 meter crystal	COIL: 6 turns #28 DL enameled wire	503 1299 00
L27	20 meter crystal	COIL: 6 turns #28 DL enameled wire	503 1299 00
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

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EM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
17	40, 80 meter crystal load	RESISTOR: 330 ohm $\pm 10\%$; 1/2 watt	745 1065 00
17A, 17B	V5 cathode	RESISTOR: 470 ohm $\pm 20\%$; 1/2 watt	745 1073 00
18	V5 plate decoupling	RESISTOR: 2200 ohm $\pm 10\%$; 1 watt	745 3100 00
19	V2 injector grid return	RESISTOR: 0.33 megohm $\pm 10\%$; 1/2 watt	745 1191 00
20	V4 plate decoupling	RESISTOR: 2200 ohm $\pm 10\%$; 1 watt	745 3100 00
21	Selectivity control resistor	RESISTOR: 0.10 megohm $\pm 10\%$; 1/2 watt	745 1170 00
22	Selectivity control resistor	RESISTOR: 22,000 ohm $\pm 10\%$; 1/2 watt	745 1142 00
23	Selectivity control resistor	RESISTOR: 4,700 ohm $\pm 10\%$; 1/2 watt	745 1114 00
24	S meter zero adjust	RESISTOR: 500 ohm $\pm 20\%$; 1/2 watt	376 3753 00
25	V6 cathode	RESISTOR: 330 ohm $\pm 10\%$; 1/2 watt	745 1065 00
26	V6 screen dropping	RESISTOR: 22,000 ohm $\pm 10\%$; 1 watt	745 3142 00
27	V6 plate decoupling	RESISTOR: 2200 ohm $\pm 10\%$; 1 watt	745 3100 00
28	V7 grid decoupling	RESISTOR: 10,000 ohm $\pm 10\%$; 1/2 watt	745 1128 00
29	RF gain control	RESISTOR: 10,000 ohm $\pm 20\%$; 1/2 watt	376 4037 00
30	V7 cathode	RESISTOR: 560 ohm $\pm 10\%$; 1/2 watt	745 1076 00
31	V7 screen dropping	RESISTOR: 0.33 megohm $\pm 20\%$; 1 watt	745 1192 00
32	V7 plate decoupling	RESISTOR: 0.12 megohm $\pm 10\%$; 1 watt	745 3174 00
33	V10 plate load	RESISTOR: 0.10 megohm $\pm 10\%$; 1 watt	745 3170 00
34	V10 screen dropping	RESISTOR: 0.33 megohm $\pm 10\%$; 1 watt	745 3191 00
35	AVC series resistor	RESISTOR: 0.47 megohm $\pm 10\%$; 1/2 watt	745 1198 00

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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
R46	Audio gain	RESISTOR: 0.50 megohm; $\pm 20\%$; 1/2 watt	376 3132 00
R47	V11 cathode	RESISTOR: 1500 ohm $\pm 20\%$; 1/2 watt	745 1094 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

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ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
1	RF band-switch	SWITCH: 6 position; 1 pole tap switch section	269 1020 00
2	Mixer band switch	SWITCH: 6 position; 1 pole tap switch section	269 1020 00
3	Variable i-f band switch	SWITCH: 6 position; 1 pole tap switch section	269 1020 00
4	Variable i-f band switch	SWITCH: 6 position; 1 pole tap switch section	269 1020 00
5	Second mixer band switch	SWITCH: 6 position; 1 pole tap switch section	269 1020 00
6	Second mixer band switch	SWITCH: 6 position; 1 pole tap switch section	269 1020 00
7	Pilot light band switch	SWITCH: 6 position; 2 pole tap switch section	269 1021 00
8	Crystal band switch	SWITCH: 6 position; 1 pole tap switch section	269 1020 00
9	Harmonic selector band switch	SWITCH: 6 position, 2 pole tap switch section	269 1021 00
10	Harmonic selector band switch	SWITCH: 6 position; 2 pole tap switch section	269 1021 00
11	Selectivity control switch	SWITCH: Band change; 1 circuit, shorting; 5 position; 1 deck	259 0033 00
12	MAN-AVG-CW selector	SWITCH: Band change; two circuit, shorting; 3 position; 1 deck	259 0054 00
13	OFF-FIL-ON-B+ -ON selector switch	SWITCH: Band change; two circuit, shorting; 3 position, 1 deck	259 0034 00
14	Limiter	SWITCH: DFTT toggle	266 0002 00
15	Crystal filter transformer	TRANSFORMER: Crystal filter plate; 490 to 510 kc; adjustable powdered iron core	278 0056 00
16	First i-f transformer	TRANSFORMER: Crystal filter grid coil assem; 490 to 510 kc; adjustable powdered iron core	278 0059 00
17	Interstage i-f transformer	TRANSFORMER: I F, interstage; 490 to 510 kc; adjustable powdered iron core	278 0028 00

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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 0
T5	Audio output transformer	TRANSFORMER: Audio output Pur: 5000 ohm; Sec: 500 ohm; tapped at 4 ohm; 300 to 3500 cps	667 0018 0
T6	BFO transformer	TRANSFORMER: BFO coil assembly; adjustable powdered iron core; 480 to 520 kc	278 0027 0
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 0
V1	RF tube	TUBE: Type 6AK5; r-f amplifier pentode	257 0040 0
V2	First mixer	TUBE: Type 6SA7; pentagrid converter	255 0121 0
V3	Variable i-f tube	TUBE: Type 6SK7; triple grid super-control amplifier	255 0064 0
V4	Second mixer	TUBE: Type 6L7; pentagrid mixer amplifier	255 0127 0
V5	Crystal oscillator	TUBE: Type 6AK5; r-f amplifier pentode	257 0040 0
V6	First i-f tube	TUBE: Type 6SG7; h-f amplifier pentode	255 0177 0
V7	Second i-f tube	TUBE: Type 6SG7; h-f amplifier pentode	255 0177 0
V8	Detector and limiter	TUBE: Type 6H6; twin diode	255 0117 0
V9	AVC tube	TUBE: Type 6SJ7; triple grid detector amplifier	255 0030 0
V10	BFO tube	TUBE: Type 6SJ7; triple grid detector amplifier	255 0030 0
V11	Audio amplifier	TUBE: Type 6SJ7; triple grid detector amplifier	255 0030 0
V12	Power amplifier	TUBE: Type 6V6; beam power amplifier	255 0090 0
V14	Rectifier	TUBE: Type 5Y3GT; full-wave high-vacuum rectifier	255 0157 0
X1	Socket for V1	SOCKET: Miniature; tube; ceramic	220 1003 0
X2, X3, X4	Socket for V2, V3, V4	SOCKET: Octal tube; black bakelite	220 1015
6-12 X5	Socket for V5	SOCKET: Miniature tube; ceramic	220 1003 0

PARTS LIST

	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
7, 8, 9, 10, 11, 12	Socket for V6, V7, V8, V9, V10, V11, V12	SOCKET: Octal tube; black bakelite	220 1015 00
3	Fuse holder	HOLDER: Fuse; for 3 AG fuses	265 1002 00
4	Socket for V14	SOCKET: Octal tube; black bakelite	220 1015 00
5, 16, 17, 18	Socket for Y1, Y2, Y3, Y4	SOCKET: 8 eyelets with ends flattened on mounting plate	503 1290 001
19, 20	Socket for Y5, Y6	SOCKET: 4 eyelets with ends flattened on mounting plate	503 1291 001
1	Crystal for 10 meter operation	CRYSTAL: 11,166 kc	291 2927 00
2	Crystal for 11 meter operation	CRYSTAL: 10,500 kc	291 2926 00
3	Crystal for 15 meter operation	CRYSTAL: 11,650 kc	291 2928 00
4	Crystal for 20 meter operation	CRYSTAL: 8,250 kc	291 2924 00
5	Crystal for 40 meter operation	CRYSTAL: 9,300 kc	291 2925 00
6	Crystal for 80 meter operation	CRYSTAL: 5700 kc	291 2923 00
7	Filter crystal	CRYSTAL: 500 kc	291 2922 00
DE-7A	OSCILLATOR	This unit has been dehydrated and her- metically sealed, and should be returned to the Collins Radio Company, if ser- vicing is required.	