

SECTION 6

PARTS LIST

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
C-101	L-101 padding	CAPACITOR: mica, 800 mmf $\pm 2\%$, 300 WV	935 5016 00
C-102	L-101 trimming	CAPACITOR: variable ceramic, 8-50 mmf, 350 WV	917 1038 00
C-103	L-102 padding	CAPACITOR: mica, 390 mmf $\pm 2\%$, 300 WV	912 0535 00
C-104	L-102 trimming	CAPACITOR: variable ceramic, 8-50 mmf, 350 WV	917 1038 00
C-105	L-103 padding	CAPACITOR: mica, 220 mmf $\pm 2\%$, 500 WV	912 0517 00
C-106	L-103 trimming	CAPACITOR: variable ceramic, 8-50 mmf, 350 WV	917 1038 00
C-107	L-104 padding	CAPACITOR: mica, 130 mmf $\pm 5\%$, 500 WV	912 0503 00
C-108	L-104 trimming	CAPACITOR: variable ceramic, 8-50 mmf, 350 WV	917 1038 00
C-109	L-105 padding	CAPACITOR: mica, 20 mmf $\pm 5\%$, 500 WV	912 0443 00
C-110	L-105 trimming	CAPACITOR: variable ceramic, 5-25 mmf, 350 WV	917 1036 00
C-111	V-101 grid coupling	CAPACITOR: ceramic, 2.0 mmf $\pm 1/4$ mmf, 500 WV	916 0075 00
C-112		CAPACITOR: Not used	
C-113	V-101 grid coupling	CAPACITOR: mica, 100 mmf $\pm 5\%$, 500 WV	912 0494 00
C-114	V-101 grid decoupling	CAPACITOR: ceramic, 10,000 mmf, 350WV	913 0566 00
C-115	V-101 screen bypass	CAPACITOR: ceramic, 10,000 mmf, 350WV	913 0566 00
C-116	V-102 grid coupling	CAPACITOR: ceramic, 1.0 mmf $\pm 1/4$ mmf, 500 WV	916 0070 00
C-117	V-101 plate coupling	CAPACITOR: ceramic, 2.0 mmf $\pm 1/4$ mmf, 500 WV	916 0075 00
C-118	L-110 padding	CAPACITOR: mica, 910 mmf $\pm 1\%$, 300 WV	935 5015 00
C-119	L-110 trimming	CAPACITOR: variable ceramic, 8-50 mmf, 350 WV	917 1038 00

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5LJ-4 COMMUNICATIONS RECEIVER

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
C-120	L-107 trimming	CAPACITOR: variable ceramic, 8-50 mmf, 350 WV	917 1038 00
C-121	L-107 padding	CAPACITOR: mica, 200 mmf \pm 2%, 500 WV	912 0514 00
C-122	L-108 trimming	CAPACITOR: variable ceramic, 5-25 mmf, 350 WV	917 1036 00
C-123	L-108 padding	CAPACITOR: mica, 62 mmf \pm 2%, 500 WV	912 0478 00
C-124	L-109 trimming	CAPACITOR: variable ceramic, 5-25 mmf, 350 WV	917 1036 00
C-125		CAPACITOR: Not used	
C-126	V-101 plate bypass	CAPACITOR: ceramic, 10,000 mmf, 350 WV	913 0566 00
C-127	L-111 padding	CAPACITOR: mica, 200 mmf \pm 2%, 500WV	912 0514 00
C-128	L-111 trimming	CAPACITOR: variable ceramic, 8-50 mmf, 350 WV	917 1038 00
C-129	L-112 padding	CAPACITOR: mica, 62 mmf \pm 2%, 500 WV	912 0478 00
C-130	L-112 trimming	CAPACITOR: variable ceramic, 5-25 mmf, 350 WV	917 1036 00
C-131		CAPACITOR: Not used	
C-132	L-113 trimming	CAPACITOR: variable ceramic, 5-25 mmf, 350 WV	917 1036 00
C-133	V-102 grid coupling, bands 4 and 7	CAPACITOR: ceramic, 1.5 mmf \pm 1/4 mmf, 500 WV	916 0072 00
C-134	V-102 cathode bypass	CAPACITOR: ceramic, 10,000 mmf, 350 WV	913 0566 00
C-135	V-102 screen bypass	CAPACITOR: ceramic, 10,000 mmf, 350 WV	913 0566 00
C-136	V-102 injection coupling	CAPACITOR: mica, 100 mmf \pm 5%, 500 WV	912 0494 00

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
C-137	L-114 to L-115 coupling	CAPACITOR: ceramic, 10,000 mmf, 350 WV	913 0566 00
C-138	V-102 plate bypass	CAPACITOR: ceramic, 10,000 mmf, 350 WV	913 0566 00
C-139	L-115 padding	CAPACITOR: ceramic, 20 mmf \pm 5%, 500 WV	916 4188 00
C-140	L-115 trimming	CAPACITOR: variable ceramic, 8-50 mmf, 350 WV	917 1038 00
C-141	V-103 cathode bypass	CAPACITOR: ceramic, 10,000 mmf, 350 WV	913 0566 00
C-142	V-103 screen bypass	CAPACITOR: ceramic, 10,000 mmf, 350 WV	913 0566 00
C-143	V-103 injection coupling	CAPACITOR: mica, 100 mmf \pm 5%, 500 WV	912 0494 00
C-144	L-121 trimming	CAPACITOR: variable ceramic, 8-50 mmf, 350 WV	917 1038 00
C-145	L-121 padding	CAPACITOR: mica, 150 mmf \pm 5%, 500 WV	912 0506 00
C-146	Bands 29, 30 harmonic tuning	CAPACITOR: variable ceramic, 5-25 mmf, 350 WV	917 1036 00
C-147	Bands 27, 28 harmonic tuning	CAPACITOR: variable ceramic, 5-25 mmf, 350 WV	917 1036 00
C-148	Bands 25, 26 harmonic tuning	CAPACITOR: variable ceramic, 5-25 mmf, 350 WV	917 1036 00
C-149	Bands 23, 24 harmonic tuning	CAPACITOR: variable ceramic, 5-25 mmf, 350 WV	917 1036 00
C-150	Bands 21, 22 harmonic tuning	CAPACITOR: variable ceramic, 8-50 mmf, 350 WV	917 1038 00
C-151	Bands 23, 24 harmonic tuning	CAPACITOR: ceramic, 15 mmf \pm 5%, 500 WV	916 4180 00
C-152	Bands 12, 20 harmonic tuning	CAPACITOR: variable ceramic, 8-50 mmf, 350 WV	917 1038 00

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ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
C-153	Bands 17, 18 harmonic tuning	CAPACITOR: ceramic, 36 mmf $\pm 5\%$, 500 WV	916 4347 00
C-154	Bands 17, 18 harmonic tuning	CAPACITOR: variable ceramic, 8-50 mmf, 350 WV	917 1038 00
C-155	Bands 15, 16 harmonic tuning	CAPACITOR: ceramic, 47 mmf $\pm 5\%$, 500 WV	916 4362 00
C-156	Bands 15, 16 harmonic tuning	CAPACITOR: variable ceramic, 8-50 mmf, 350 WV	917 1038 00
C-157	Bands 13, 14 harmonic tuning	CAPACITOR: ceramic, 68 mmf $\pm 5\%$, 500 WV	916 4972 00
C-158	Bands 13, 14 harmonic tuning	CAPACITOR: variable ceramic, 8-50 mmf, 350 WV	917 1038 00
C-159	Spurious filter tuning	CAPACITOR: mica, 150 mmf $\pm 5\%$, 500 WV	912 0506 00
C-160		CAPACITOR: Not used	
C-161	Band 1 harmonic tuning	CAPACITOR: mica, 200 mmf $\pm 2\%$, 500 WV	912 0514 00
C-162	Band 1 harmonic tuning	CAPACITOR: variable ceramic, 8-50 mmf, 350 WV	917 1038 00
C-163	V-105 plate bypass	CAPACITOR: ceramic, 10,000 mmf, 350 WV	913 0566 00
C-164	V-105 screen bypass	CAPACITOR: ceramic, 10,000 mmf, 350WV	913 0566 00
C-165	Osc. feedback network	CAPACITOR: ceramic, 15 mmf $\pm 5\%$, 500WV	916 4180 00
C-166	Osc. feedback network	CAPACITOR: mica, 100 mmf $\pm 5\%$, 500WV	912 0494 00
C-167	Osc. grid circuit trimmer	CAPACITOR: variable ceramic, 3-12 mmf, 350 WV	917 1035 00
C-168	Second Mixer grid trap	CAPACITOR: mica, 220 mmf $\pm 2\%$, 500 WV	912 0517 00
C-169	Freq. standard adjusting	CAPACITOR: variable ceramic, 5-25 mmf, 350 WV	917 1036 00
C-170	V-104 cathode bypass	CAPACITOR: ceramic, 10,000 mmf, 350WV	913 0566 00
C-171	V-104 screen bypass	CAPACITOR: mica, 100 mmf $\pm 5\%$, 500 WV	912 0494 00

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
C-172	V-104 plate decoupling	CAPACITOR: ceramic, 10,000 mmf, 350 WV	913 0566 00
C-173	Freq. standard coupling	CAPACITOR: ceramic, 10 mmf ± 1 mmf, 500 WV	916 0139 00
C-174	L-116 trimming	CAPACITOR: variable ceramic, 8-50 mmf, 350 WV	917 1038 00
C-175	L-116 padding	CAPACITOR: mica, 180 mmf $\pm 2\%$, 500 WV	912 0511 00
C-176	L-117 trimming	CAPACITOR: variable ceramic, 8-50 mmf, 350 WV	917 1038 00
C-177	L-117 padding	CAPACITOR: mica, 300 mmf $\pm 2\%$, 500 WV	912 0526 00
C-178	V-103 plate bypass	CAPACITOR: ceramic, 10,000 mmf 350WV	913 0566 00
C-179	L-118 padding	CAPACITOR: mica, 180 mmf $\pm 2\%$, 500 WV	912 0511 00
C-180	L-118 trimming	CAPACITOR: variable ceramic, 8-50 mmf, 350 WV	917 1038 00
C-181	L-119 padding	CAPACITOR: mica, 300 mmf $\pm 2\%$, 500 WV	912 0526 00
C-182	L-119 trimming	CAPACITOR: variable ceramic, 8-50 mmf, 350 WV	917 1038 00
C-183	V-106 cathode bypass	CAPACITOR: ceramic, 10,000 mmf, 350WV	913 0566 00
C-184	V-106 grid bypass	CAPACITOR: mica, 100 mmf $\pm 5\%$, 500 WV	912 0494 00
C-185	V-106 screen bypass	CAPACITOR: ceramic, 10,000 mmf, 350WV	913 0566 00
C-186	V-106 plate bypass	CAPACITOR: ceramic, 10,000 mmf, 350WV	913 0566 00
C-187	Filter crystal parallel	CAPACITOR: ceramic, 10 mmf ± 1 mmf, 500 WV	916 0139 00
C-188	Filter crystal phasing	CAPACITOR: variable air, midget, single section, 3.5-27 mmf	922 0079 00
C-189	V-301 grid decoupling	CAPACITOR: ceramic, 10,000 mmf, 350WV	913 0566 00

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
C-192		Not used	
C-194	V-108 screen bypass	CAPACITOR: ceramic, 10,000 mmf, 350 WV	913 0566 00
C-195	V-108 plate bypass	CAPACITOR: ceramic, 10,000 mmf, 350 WV	913 0566 00
C-196	T-104 top coupling	CAPACITOR: ceramic, 2.0 mmf $\pm 1/4$ mmf, 500 WV	916 0075 00
C-197	V-109 grid decoupling	CAPACITOR: ceramic, 10,000 mmf, 350 WV	913 0566 00
C-198	A. V-109 cathode bypass B. 6.3 ac filament bypass	CAPACITOR: paper, 0.1 -0.1 mf $\pm 20\%$, -10%, 600 WV	961 5169 00
C-199	V-109 screen bypass	CAPACITOR: ceramic, 10,000 mmf, 350 WV	913 0566 00
C-200	V-109 plate bypass	CAPACITOR: ceramic, 10,000 mmf, 350 WV	913 0566 00
C-201	T-105 top coupling	CAPACITOR: ceramic, 5.0 mmf $\pm 1/4$ mmf, 500 WV	916 0118 00
C-202	Detector filter	CAPACITOR: mica, 330 mmf $\pm 2\%$, 500 WV	912 0529 00
C-203		CAPACITOR: Not used	
C-204	AVC rectifier coupling	CAPACITOR: mica, 100 mmf $\pm 5\%$, 500 WV	912 0494 00
C-205	A. Back bias r-f filter B. AVC amplr. stabilizing C. Noise limiter filter	CAPACITOR: paper, 0.1-0.11011 mf $\pm 20\%$ -10%, 600 WV	961 5187 00
C-206*		CAPACITOR: mica, 1.5 mmf $\pm 1/2$ mmf 500 WV	916 0072 00
C-206*	BFO coupling	CAPACITOR: mica, 2 mmf $\pm 1/2$ mmf, 500 WV	916 0075 00
C-207	Line filter	CAPACITOR: ceramic, 10,000 mmf, 350 WV	913 0566 00
C-208	AVC amplr. stabilizing	CAPACITOR: ceramic, 10,000 mmf, 350 WV	913 0566 00

* Value of C206 selected in test to provide optimum BFO coupling while maintaining BFO injection below AVC threshold. Unused capacitor to be soldered into radio across two ground terminals.

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
C-209	Audio coupling	CAPACITOR: ceramic, 10,000 mmf, 350 WV	913 0566 00
C-210		CAPACITOR: Not used	
C-211	Audio coupling	CAPACITOR: ceramic, 10,000 mmf, 350WV	913 0566 00
C-212	Audio output equalizer	CAPACITOR: mica 6,800 mmf $\pm 10\%$, 300WV	935 2110 00
C-213	AVC time constant	CAPACITOR: ceramic, 10,000 mmf, 350WV	913 0566 00
C-214	K-101 noise filter	CAPACITOR: paper, 0.1-0.1 mf +20% -10%, 600 WV	961 4175 00
C-215	V-111 cathode bypass	CAPACITOR: dry electrolytic, 20 mf 150 WV	184 6509 00
C-216	Back bias filter	CAPACITOR: dry electrolytic, 20 mf 150 WV	184 6509 00
C-217	Power supply filter	CAPACITOR: dry electrolytic, dual section; 35 mf each section -10% +25% 450 WV	184 5000 00
C-218	V-114 screen bypass	CAPACITOR: ceramic, 10,000 mmf, 350 WV	913 0566 00
C-219	V-114 screen decoupling	CAPACITOR: ceramic, 10,000 mmf, 350WV	913 0566 00
C-220	L-116, L-118 top coupling	CAPACITOR: ceramic, 4.0 mmf $\pm 1/4$ mmf, 500 WV	916 0113 00
C-221	L-117, L-119 top coupling	CAPACITOR: ceramic, 2.0 mmf $\pm 1/4$ mmf, 500 WV	916 0075 00
C-222		CAPACITOR: Not used	
C-223	B+ isolation capacitor	CAPACITOR: dry electrolytic, 8 mf, 350 WV	184 6515 00
C-224	Cal. osc. adjustment	CAPACITOR: variable air, 7-100 mmf	922 0153 00
C-225		CAPACITOR: Not used	
C-226	V-111B grid coupling	CAPACITOR: mica, 100 mmf $\pm 5\%$, 500WV	912 0494 00
C-227	V-111B plate bypass	CAPACITOR: ceramic, 10,000 mmf, 350WV	913 0566 00

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ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
C-228	IF output coupling	CAPACITOR: ceramic, 10,000 mmf 350WV	913 0566 00
C-229		CAPACITOR: Not used	
C-230	Antenna trimmer, all bands	CAPACITOR: variable air, 7-100 mmf	922 0153 00
C-231	Antenna fixed trimmer, bands 8-15	CAPACITOR: ceramic, 100 mmf $\pm 5\%$, 500WV	916 4059 00
C-232	Antenna fixed trimmer, bands 16-30	CAPACITOR: ceramic, 24 mmf $\pm 5\%$, 500WV	916 4327 00
C-233	Antenna coupling, band 1	CAPACITOR: ceramic, 100 mmf $\pm 5\%$, 500WV	916 4059 00
C-234	Antenna coupling, band 2	CAPACITOR: ceramic, 51 mmf $\pm 5\%$, 500WV	916 0476 00
C-235	Antenna coupling, band 3	CAPACITOR: ceramic, 36 mmf $\pm 5\%$, 500WV	916 4347 00
C-236	Antenna coupling, bands 4-7	CAPACITOR: ceramic, 22 mmf $\pm 5\%$, 500WV	916 4323 00
C-237	Antenna coupling, bands 8-15	CAPACITOR: ceramic, 10 mmf ± 1 mmf, 500 WV	916 0139 00
C-238	Antenna coupling, bands 16-30	CAPACITOR: ceramic, 5 mmf $\pm 1/2$ mmf, 500 WV	916 0118 00
C-301	Mech. filter input tuning	CAPACITOR: mica, 240 mmf $\pm 2\%$; 500 vdcw	912 0520 00
C-302	Mech. filter output tuning	CAPACITOR: mica, 240 mmf $\pm 2\%$; 500 VDCW	912 0520 00
C-303	V-301 cathode bypass	CAPACITOR: ceramic, 10,000 mmf; 500 VDCW	913 1188 00
C-304	V-301 screen bypass	CAPACITOR: ceramic, 10,000 mmf; 500 VDCW	913 1188 00
C-305	V-301 plate bypass	CAPACITOR: ceramic, 10,000 mmf; 500 VDCW	913 1188 00
C-306	L-301 tuning	CAPACITOR: mica, 270 mmf $\pm 5\%$; 500 VDCW	912 0524 00

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
C-307	V-108 grid coupling	CAPACITOR: mica, 100 mmf $\pm 2\%$ 500 VDCW	912 0493 00
C-308	V-301 screen bypass	CAPACITOR: ceramic, 10,000 mmf, 500 WV	913 1188 00
C-309	V-301 plate bypass	CAPACITOR: ceramic, 10,000 mmf, 500 WV	913 1188 00
C-310	V-108 grid decoupling	CAPACITOR: ceramic, 10,000 mmf, 500 WV	913 1188 00
CR-101	M-101 rectifier	RECTIFIER: dry disc, instrument type	353 3000 00
E-101	K-101 term bd.	BOARD, terminal	306 0158 00
E-102	Audio output term. bd.	BOARD, terminal	306 0158 00
F-101	Primary power fuse	FUSE: cartridge, 1.5 amp, one time	264 0007 00
I-101	Dial light	LAMP: pilot light, miniature bayonet base bulb, T-3-1/4 bulb	262 3240 00
I-102	Dial light	LAMP: pilot light, miniature bayonet base bulb, T-3-1/4 bulb	262 3240 00
I-103	Dial light	LAMP: pilot light, miniature bayonet base bulb, T-3-1/4 bulb	262 3240 00
I-104	Static discharge	LAMP: glow, bayonet candelabra base, T-4-1/2 bulb	262 0238 00
I-105	Band drum	DIAL: band indicating drum	504 3097 00
J-101	Antenna input	CONNECTOR: receptacle, single round female contact	357 9005 00
J-102	Speaker output	JACK: telephone, 3 circuit, for use with .206" diam plug	358 1050 00
J-103	Phone output	JACK: telephone, 2 circuit, for use with .206" diam plug	358 1040 00
J-104	I-F output	CONNECTOR: receptacle, single round female contact	357 9005 00
K-101	Break-in relay	RELAY: armature, contact rating 1A 150 amp at 27.5 Volts DC	972 1175 00
L-101	Antenna coil, band 1	COIL ASSEMBLY: R-F, single winding, 75 turns, single layer wound	504 3056 001
L-102	Antenna coil, band 2	COIL: R-F, single layer wound, 48 turns #28 enameled wire	505 2147 002

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ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
L-103	Antenna coil, band 3	COIL: RF, single layer wound, 43 turns #28 enameled wire	505 2148 002
L-104	Antenna coil, bands 4-7	COIL ASSEMBLY: RF, single winding, 27 turns single layer wound	504 3060 001
L-105	Antenna coil, bands 8-15	COIL ASSEMBLY: RF, single winding, 20 turns, single layer wound	504 3061 001
L-106	Antenna coil, bands 16-30	COIL ASSEMBLY: RF, single winding, 20 turns, single layer wound	504 3062 001
L-107	Mixer coil pri., bands 4-7	COIL ASSEMBLY: RF, single winding, 27 turns, single layer wound	504 3060 001
L-108	Mixer coil pri., bands 8-15	COIL ASSEMBLY: RF, single winding, 20 turns, single layer wound	504 3061 001
L-109	Mixer coil pri, bands 16-30	COIL ASSEMBLY: RF, single winding, 20 turns, single layer wound	504 3062 001
L-110	Mixer coil, band 1	COIL ASSEMBLY: RF, single winding, 75 turns, single layer wound	504 3056 001
L-111	Mixer coil sec, bands 4-7	COIL ASSEMBLY: RF, single winding, 27 turns, single layer wound	504 3060 001
L-112	Mixer coil sec, bands 8-15	COIL ASSEMBLY: RF, single winding, 20 turns, single layer wound	504 3061 001
L-113	Mixer coil sec, bands 16-30	COIL ASSEMBLY: RF, single winding, 20 turns, single layer wound	504 3062 001
L-114	11.5-10.5 mc i-f coil, band 1	COIL: IF, transformer, single winding, 48 turns, single layer wound	504 3064 001
L-115	11.5-10.5 mc i-f coil, band 1	COIL: IF, transformer, single winding, 16 turns, single layer wound	504 3057 001
L-116	Variable i-f coil pri.	COIL: IF, transformer, single winding, 48 turns, single layer wound	504 3064 001
L-117	Variable i-f coil pri.	COIL: IF, transformer, single winding, 46 turns, universal wound	504 3066 001

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
L-118	Variable i-f coil sec.	COIL: IF, transformer, single winding, 48 turns, single layer wound	504 5347 001
L-119	Variable i-f coil sec.	COIL: IF, transformer, single winding, 46 turns, universal wound	504 3066 001
L-120	Inj. osc. cathode coil	COIL: RF, 3 windings, 112 turns, universal wound	503 4535 001
L-121	Inj. osc. harmonic selector	COIL: RF, single winding, 46 turns, single layer wound	504 3074 002
L-122	Power filter	REACTOR: filter choke, 3.0 hy 120 ma, 100 ohm 250 TV RMS	678 0432 00
L-123	Power filter	REACTOR: filter choke, 5 hy 80 ma, 300 ohm, 2500 TV RMS	678 0431 00
L-124	Spurious filter	FILTER: band suppression, rejection frequency 4 megacycles, .260" diam hole for mounting	504 6646 002
L-125	Spurious filter	COIL: RF, choke, 0.5 millihenry $\pm 10\%$, #36 wire	240 0073 00
M-101	Single level & db meter	METER: audio level, 0-1 ma 46 ohms $\pm 10\%$	476 9017 00
P-101	AC plug	CONNECTOR: plug, 2 parallel blade male contacts	368 0040 00
R-101	V-101 grid return	RESISTOR: 1 megohm $\pm 10\%$, 1/2 w	745 1478 00
R-102	V-101 grid decoupling	RESISTOR: .10 megohm $\pm 10\%$, 1/2 w	745 1436 00
R-103		RESISTOR: Not used	
R-104	V-101 screen dropping	RESISTOR: 33,000 ohm $\pm 10\%$, 1/2 w	745 1415 00
R-105	V-101 plate load, band 1	RESISTOR: 10,000 ohm $\pm 10\%$, 1 w	745 3394 00
R-106	V-101 plate decoupling	RESISTOR: 6800 ohm $\pm 10\%$, 1/2 w	745 1386 00
R-107	V-102 cathode	RESISTOR: 470 ohm $\pm 10\%$, 1/2 w	745 1338 00

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ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
R-108	V-102 grid 1 return	RESISTOR: .33 megohm $\pm 10\%$, 1/2 w	745 1457 00
R-109	V-102 screen dropping	RESISTOR: 47,000 ohm $\pm 10\%$, 1 w	745 3422 00
R-110	V-102 plate decoupling	RESISTOR: 2200 ohm $\pm 10\%$, 1/2 w	745 1366 00
R-111	V-103 cathode	RESISTOR: 470 ohm $\pm 10\%$, 1/2 w	745 1338 00
R-112	V-103 grid 1 return	RESISTOR: .10 megohm $\pm 10\%$, 1/2 w	745 1436 00
R-113	V-103 screen dropping	RESISTOR: 33,000 ohm $\pm 10\%$, 1 w	745 3415 00
R-114	V-105 screen dropping	RESISTOR: 33,000 ohm $\pm 10\%$, 1/2 w	745 1415 00
R-115	V-105 grid leak	RESISTOR: 10 megohm $\pm 10\%$, 1/2 w	745 1436 00
R-116	V-103 plate load	RESISTOR: 2200 ohm $\pm 10\%$, 1/2 w	745 1366 00
R-117	V-103 plate load	RESISTOR: 47,000 ohm $\pm 10\%$, 1/2 w	745 1422 00
R-118	V-104 grid leak	RESISTOR: .68 megohm $\pm 10\%$, 1/2 w	745 1471 00
R-119	V-104 cathode	RESISTOR: 4700 ohm $\pm 10\%$, 1/2 w	745 1380 00
R-120	V-104 screen dropping	RESISTOR: .10 megohm $\pm 10\%$, 1/2 w	745 1436 00
R-121	V-104 plate dropping	RESISTOR: .22 megohm $\pm 10\%$, 1/2 w	745 1450 00
R-122	V-104 plate, screen decoupling	RESISTOR: 10,000 ohm $\pm 10\%$, 1/2 w	745 1394 00
R-123	V-106 grid leak bias	RESISTOR: .10 megohm $\pm 10\%$, 1/2 w	745 1436 00
R-124	V-103 plate decoupling	RESISTOR: 2200 ohm $\pm 10\%$, 1/2 w	745 1366 00
R-125	V-107 grid load	RESISTOR: .47 megohm $\pm 10\%$, 1/2 w	745 1464 00
R-126	V-107 screen dropping	RESISTOR: 27,000 ohm $\pm 10\%$, 1/2 w	745 1412 00
R-127	V-106 cathode	RESISTOR: 470 ohm $\pm 10\%$, 1/2 w	745 1338 00
R-128	V-106 screen dropping	RESISTOR: 33,000 ohm $\pm 10\%$, 1 w	745 3415 00
R-129	V-106 plate decoupling	RESISTOR: 2200 ohm $\pm 10\%$, 1/2 w	745 1366 00
R-130	Crystal filter selectivity	RESISTOR: .10 megohm $\pm 10\%$, 1/2 w	745 1436 00

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
R-131	Crystal filter selectivity	RESISTOR: 22,000 ohm $\pm 10\%$, 1/2 w	745 1408 00
R-132	Crystal filter selectivity	RESISTOR: 4700 ohm $\pm 10\%$, 1/2 w	745 1380 00
R-133	V-301 grid decoupling	RESISTOR: 10,000 ohm $\pm 10\%$, 1/2 w	745 1394 00
R-137	V-108 screen dropping	RESISTOR: 47,000 ohm $\pm 10\%$, 1/2 w	745 1422 00
R-138	V-108 plate decoupling	RESISTOR: 2200 ohm $\pm 10\%$, 1/2 w	745 1366 00
R-139	V-109 grid decoupling	RESISTOR: 10,000 ohm $\pm 10\%$, 1/2 w	745 1394 00
R-140	"S" meter zero adjust	RESISTOR: 100 ohm $\pm 20\%$, 2 w	380 0120 00
R-141	V-109 screen dropping	RESISTOR: 47,000 ohm $\pm 10\%$, 1/2 w	745 1422 00
R-142	V-109 plate decoupling	RESISTOR: 2200 ohm $\pm 10\%$, 1 w	745 3366 00
R-143	V-112 filament series	RESISTOR: 10 ohm $\pm 10\%$, 1/2 w	745 1268 00
R-144	AVC amplr stabilizing	RESISTOR: .47 megohm $\pm 10\%$, 1/2 w	745 1464 00
R-145	AVC rectifier load	RESISTOR: .10 megohm $\pm 10\%$, 1/2 w	745 1436 00
R-146	AVC amplr load	RESISTOR: 47,000 ohm $\pm 10\%$, 1/2 w	745 1422 00
R-147	AVC amplr plate dropping	RESISTOR: 27,000 ohm $\pm 5\%$, 1/2 w	745 1412 00
R-148	RF gain control	RESISTOR: 10,000 ohm $\pm 20\%$, 2 w	380 0118 00
R-149	RF gain control, fixed	RESISTOR: 820 ohm $\pm 5\%$, 1/2 w	745 1348 00
R-150	Detector load	RESISTOR: 68,000 ohm $\pm 10\%$, 1/2 w	745 1429 00
R-151	Detector load	RESISTOR: 33,000 ohm $\pm 10\%$, 1/2 w	745 1415 00
R-152	Limiter filter	RESISTOR: .47 megohm $\pm 10\%$, 1/2 w	745 1464 00

Section 6
Parts List

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
R-153	Limiter filter	RESISTOR: .47 megohm $\pm 10\%$, 1/2 w	745 1464 00
R-154	Audio gain control	RESISTOR: 500,000 ohm $\pm 20\%$, 2 w	380 0119 00
R-155	V-112B cathode	RESISTOR: 3300 ohm $\pm 10\%$, 1/2 w	745 1373 00
R-156	V-112B plate load	RESISTOR: .22 megohm $\pm 10\%$, 1/2 w	745 1450 00
R-157	V-113 grid load	RESISTOR: .10 megohm $\pm 10\%$, 1/2 w	745 1436 00
R-158		Not Used	
R-159		Not Used	
R-160	V-114 screen dropping	RESISTOR: 10 megohm $\pm 10\%$, 1 w	745 3436 00
R-161	V-114 plate load	RESISTOR: 33,000 ohm $\pm 10\%$, 1/2 w	745 1415 00
R-162	V-114 plate dropping	RESISTOR: 2200 ohm $\pm 10\%$, 1/2 w	745 1366 00
R-163	"S" meter series	RESISTOR: 160 ohm $\pm 5\%$, 1/2 w	745 1319 00
R-164	Back bias dropping	RESISTOR: wire-wound, 100 ohm $\pm 5\%$, 8 w	747 0072 00
R-165	Back bias dropping	RESISTOR: wire-wound, 310 ohm $\pm 5\%$, 8 w	747 0077 00
R-166	Back bias dropping	RESISTOR: wire-wound, 100 ohm $\pm 5\%$, 8 w	747 0072 00
R-167	AVC amplr stabilizing	RESISTOR: .10 megohm $\pm 10\%$, 1/2 w	745 1436 00
R-168	V-111A cathode	RESISTOR: 2200 ohm $\pm 10\%$, 1/2 w	745 1366 00
R-169	V-108 screen dropping	RESISTOR: 27,000 ohm $\pm 10\%$, 1/2 w	745 1412 00
R-170		RESISTOR: 100 ohm $\pm 10\%$, 1/2 w	745 1331 00
R-171	AVC amplr stabilizing	RESISTOR: 120,000 ohm $\pm 10\%$, 1/2 w	745 1440 00
R-172	Static drain	RESISTOR: .47 megohm $\pm 10\%$, 1/2 w	745 1464 00
R-173	Audio voltage dropping	RESISTOR: 1800 ohm $\pm 5\%$, 2 w	745 5662 00
R-174	B + isolation	RESISTOR: 1000 ohm $\pm 10\%$, 2 w	745 5652 00
R-175		RESISTOR: Not used	
R-176		RESISTOR: Not used	
R-177	V-111B grid	RESISTOR: .22 megohm $\pm 10\%$, 1/2 w	745 1170 00
R-178	V-111B grid	RESISTOR: .10 megohm $\pm 10\%$, 1/2 w	745 1184 00

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
R-179	V-111B cathode	RESISTOR: 1000 ohm $\pm 10\%$, 1/2 w	745 1352 00
R-180	V-111B plate dropping	RESISTOR: 2200 ohm $\pm 10\%$, 1/2 w	745 1366 00
R-181	V-116 plate load	RESISTOR: 3100 ohm $\pm 5\%$, 12 w	747 1045 00
R-182	M-101 rectifier load	RESISTOR: 220 ohm $\pm 10\%$, 1/2 w	745 1324 00
R-183	T-105 pri load	RESISTOR: comp, 68,000 ohm p/m $\pm 10\%$ 1/2 w	745 1429 00
R-184	Back bias dropping	RESISTOR: comp, 12 ohm p/m $\pm 10\%$, 2 w	745 5572 00
R-301	V-301 screen dropping	RESISTOR: 39,000 ohm $\pm 10\%$, 1 w	745 3419 00
R-302	V-301 plate load	RESISTOR: 12,000 ohm $\pm 10\%$, 1/2 w	745 1440 00
R-303	V-301 plate decoupling	RESISTOR: 1,000 ohm $\pm 10\%$, 1/2 w	745 1352 00
R-304	V-301 grid	RESISTOR: 470,000 ohm $\pm 10\%$, 1/2 w	745 1464 00
R-305	V-301 cathode	RESISTOR: 270 ohm $\pm 10\%$, 1/2 w	745 1328 00
R-306		Not used	
R-307	V-301 screen dropping	RESISTOR: 47,000 ohm $\pm 10\%$, 1/2 w	745 1422 00
R-308	"S" meter bridge	RESISTOR: 100 ohm $\pm 10\%$, 1/2 w	745 1310 00
R-309	V-301 plate decoupling	RESISTOR: 2200 ohm $\pm 10\%$, 1/2 w	745 1366 00
R-310	V-108 grid decoupling	RESISTOR: 10,000 ohm $\pm 10\%$, 1/2 w	745 1394 00
S-101	Antenna coil selector	SWITCH: rotary, 1 circuit, 17 position	269 1271 00
S-102	Antenna trimmer selector	SWITCH: rotary, 1 circuit, 17 position	269 1271 00
S-103	RF coil selector	SWITCH: rotary, 1 circuit, 18 position	269 1273 00
S-104	RF amplr plate coil selector	SWITCH: rotary, 1 circuit, 18 position	269 1273 00
S-105	Mixer grid coil selector	SWITCH: rotary, 1 circuit, 18 position	269 1273 00
S-106	Mixer plate circuit selector	SWITCH: rotary, 1 circuit, 17 position	269 1271 00
S-107	Mixer plate circuit selector	SWITCH: rotary, 1 circuit, 17 position	269 1271 00
S-108	Inj osc harmonic selector	SWITCH: rotary, 2 circuit, 15 position	269 1272 00
S-109	Crystal selector	SWITCH: rotary, 1 circuit, 17 position	269 1271 00
S-110	Variable i-f selector	SWITCH: rotary, 1 circuit, 2 position	269 1270 00
S-111	Variable i-f selector	SWITCH: rotary, 1 circuit, 2 position	269 1270 00

Section 6
Parts List

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ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
S-112	BFO ON-OFF	SWITCH: rotary, 2 circuit, 2 position	259 0380 00
S-113	ON-STANDBY-OFF	SWITCH: band change, 2 circuit, 3 position, shorting	259 0381 00
S-114	SELECTIVITY	SWITCH: band change, 1 circuit, shorting, 5 position	259 0379 00
S-115	AVC ON-OFF	SWITCH: rotary, 2 circuit, 2 position	259 0380 00
S-116	LIMITER IN-OUT	SWITCH: rotary, 2 circuit, 2 position	259 0380 00
S-117	METER INPUT-OUTPUT	SWITCH: toggle, DPDT, 30 ampere continuous	266 3062 00
S-118	CALIBRATE ON-OFF	SWITCH: rotary, 2 circuit, 2 position	259 0380 00
T-101	Crystal filter input	TRANSFORMER: IF, frequency range 490 to 510 kc	278 0093 00
T-102	Crystal filter output	FILTER: bandpass, frequency range 490 to 510 kc	278 0092 00
T-103		Not used	
T-104	Second i-f	TRANSFORMER: IF, frequency 490 to 510 kc	278 0090 00
T-105	Third i-f	TRANSFORMER: IF, frequency 490 to 510 kc	278 0090 00
T-106	BFO coil	OSCILLATOR SUBASSEMBLY: frequency range 480 to 520 kc	278 0091 00
T-107	Audio output	TRANSFORMER: AF, line type, pri 5000 ohm, secd 600 ohm tapped at 4 ohms, 1500 TV, 3 w max	677 0430 00
T-108	Power input	TRANSFORMER: power pri 115 v, secd #1, 700V, secd #2, 5.0V, secd #3, 6.3 V, 45/70 cps	672 0575 00
V-101	RF amplr	TUBE: type 6AK5, pentode JAN COMMERCIAL	254 0121 00 257 0040 00
V-102	First Mixer	TUBE: type 6BE6, pentagrid JAN COMMERCIAL	254 0799 00 257 0048 00

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
V-103	Band 1 mixer	TUBE: type 6BE6, pentagrid COMMERCIAL	JAN 254 0799 00 257 0048 00
V-104	Cal. osc.	TUBE: type 6BA6, pentode COMMERCIAL	JAN 254 0787 00 255 0185 00
V-105	Inj. osc.	TUBE: type 6AK5, pentode COMMERCIAL	JAN 254 0121 00 257 0040 00
V-106	Second mixer	TUBE: type 6BE6, pentagrid COMMERCIAL	JAN 254 0799 00 257 0048 00
V-301	First i-f amplr.	TUBE: type 6BA6, pentode COMMERCIAL	JAN 254 0787 00 255 0185 00
V-302	Second i-f amplr.	TUBE: type 6BA6 COMMERCIAL	JAN 254 0787 00 255 0185 00
V-108	Third i-f amplr.	TUBE: type 6BA6, pentode COMMERCIAL	JAN 254 0787 00 255 0185 00
V-109	Fourth i-f amplr.	TUBE: type 6BA6, pentode COMMERCIAL	JAN 254 0787 00 255 0185 00
V-110	Detector & AVC rectifier	TUBE: type 12AX7, twin triode COMMERCIAL	JAN 254 0790 00 255 0201 00
V-111	AVC amplr. & IF output	TUBE: type 12AU7, twin triode COMMERCIAL	JAN 254 0792 00 255 0199 00
V-112	Limiter & first audio amplr	TUBE: type 12AX7, twin triode COMMERCIAL	JAN 254 0790 00 255 0201 00
V-113	Second audio amplr	TUBE: type 6AQ5, pentode COMMERCIAL	JAN 254 0788 00 255 0195 00
V-114	BFO	TUBE: type 6BA6, pentode COMMERCIAL	JAN 254 0787 00 255 0185 00
V-115	Power rectifier	TUBE: type 5V4G, rectifier COMMERCIAL	JAN 254 0102 00 255 0081 00
V-116	Voltage regulator	TUBE: type 0A2, voltage regulator COMMERCIAL	JAN 254 0793 00 257 0052 00
XC-217	Socket for C-217	SOCKET; tube: octal	220 1121 00

Section 6
Parts List

51J-4 COMMUNICATIONS RECEIVER

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
XF-101	Holder for F-101	HOLDER: fuse, extractor post for single 3AG fuse	265 1003 00
XI-101	Socket for I-101	SOCKET: lamp, pilot light bracket, miniature bayonet base	262 0240 00
XI-102	Socket for I-102	SOCKET: lamp, pilot light bracket, miniature bayonet base	262 0240 00
XI-103	Socket for I-103	SOCKET: lamp, pilot light assembly, miniature bayonet base	262 0239 00
XV-101 thru XV-109	Sockets for V-101, V-102, V-103, V-104, V-105, V-106, V-107, V-108, V-109	SOCKET: tube, 7 contact miniature, shielded	220 1111 00
XV-107A	Socket for V-107A	SOCKET: tube 7 contact miniature, shielded	220 1046 00
XV-110	Socket for V-110	SOCKET: tube, 9 contact miniature, shielded	220 1103 00
XV-111	Socket for V-111	SOCKET: tube, 9 contact miniature, shielded	220 1103 00
XV-112	Socket for V-112	SOCKET: tube, 9 contact miniature, shielded	220 1103 00
XV-113	Socket for V-113	SOCKET: tube, 7 contact miniature, shielded	220 1111 00
XV-114	Socket for V-114	SOCKET: tube, 7 contact miniature, shielded	220 1111 00
XV-115	Socket for V-115	SOCKET: tube octal	220 1121 00
XV-116	Socket for V-116	SOCKET: tube 7 contact miniature, shielded	220 1111 00
XY-101 XY-110	Socket for Y-101 thru Y-110	BOARD: crystal, accommodates 10 type CR-18/U crystals	504 5009 001
XY-111	Socket for Y-111	SOCKET: crystal, for 100 kc crystal	292 0055 00
Y-101	Bands 29-30 crystal	CRYSTAL: type CR-18/U, 10666.67 kc	291 8134 00

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
Y-102	Bands 23-24 crystal	CRYSTAL: type CR-18/U, 13,000.000 kc	291 8102 00
Y-103	Bands 19-20 crystal	CRYSTAL: type CR-18/U, 11,000.00 kc	291 8114 00
Y-104	Bands 15-16 crystal	CRYSTAL: type CR-18/U, 9,000.00 kc	291 8083 00
Y-105	Bands 11-12, 25-26 crystal	CRYSTAL: type CR-18/U, 14000.00 kc	291 8135 00
Y-106	Bands 9-10, 21-22 crystal	CRYSTAL: type CR-18/U, 12,000.000 kc	291 8117 00
Y-107	Bands 7-8, 17-18, 27-28 crystal	CRYSTAL: type CR-18/U, 10,000.00 kc	291 8133 00
Y-108	Bands 5-6, 13-14 crystal	CRYSTAL: type CR-18/U, 8000.000 kc	291 8113 00
Y-109	Band 3 crystal	CRYSTAL: type CR-18/U, 6000.00 kc	291 8132 00
Y-110	Band 1 crystal	CRYSTAL: type CR-18/U, 4000.000 kc	291 8131 00
Y-111	Calibration crystal	CRYSTAL: special 100 kc unit	291 5954 00
Y-112	Filter crystal	CRYSTAL: type CR-7, 500 kc	291 5175 00
70E-15	Variable frequency oscillator, 2-3 mc	This unit has been dehydrated and hermetically sealed, and should be returned to the Collins Radio Company, if servicing is required.	505 0410 003 505 0411 004 505 0411 014 505 0411 024

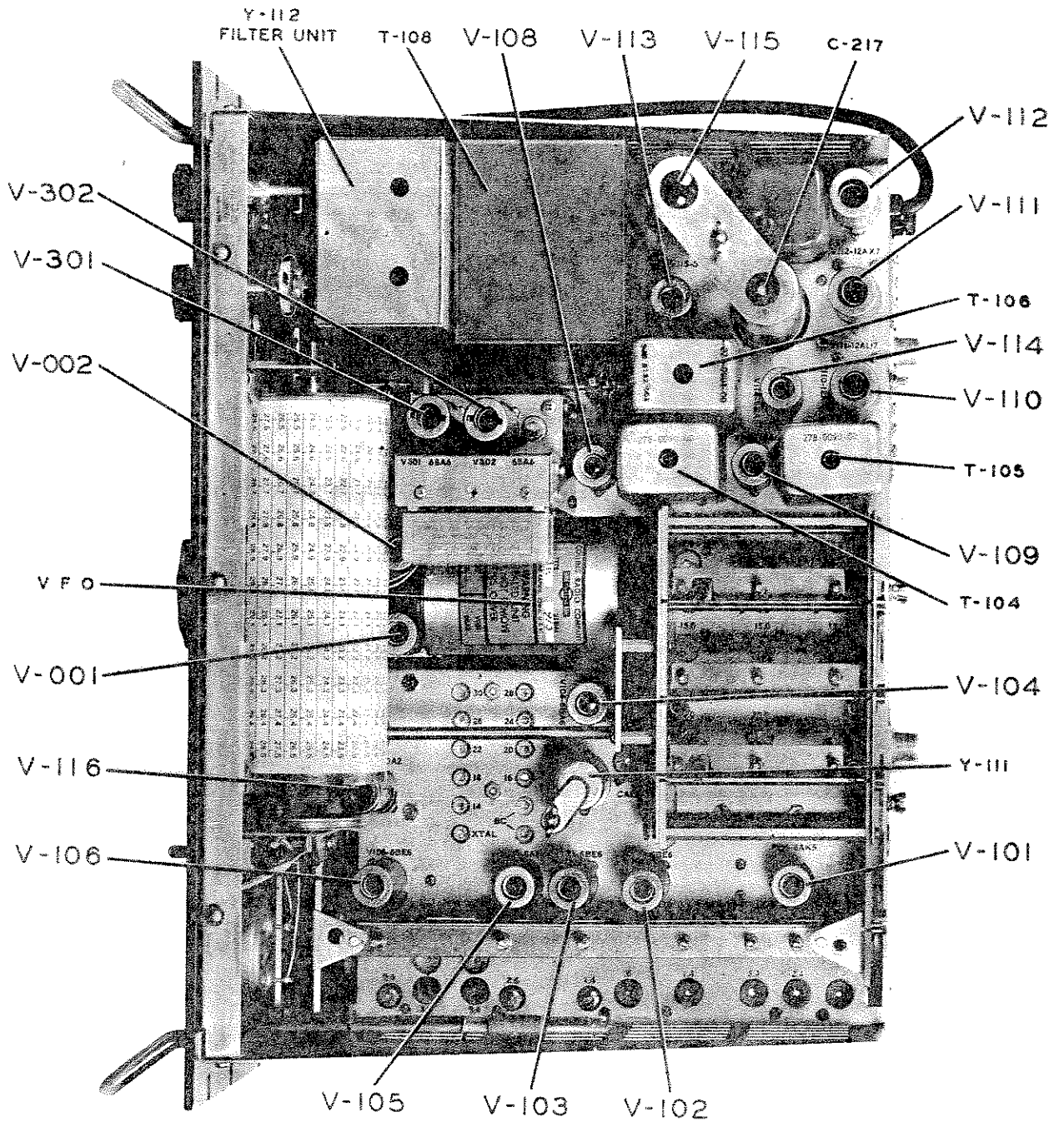
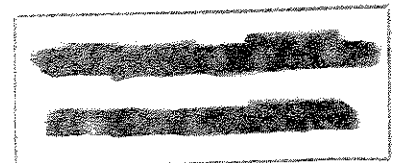


Figure 7-1. 51J-4 Top View, Tube and Parts Identification



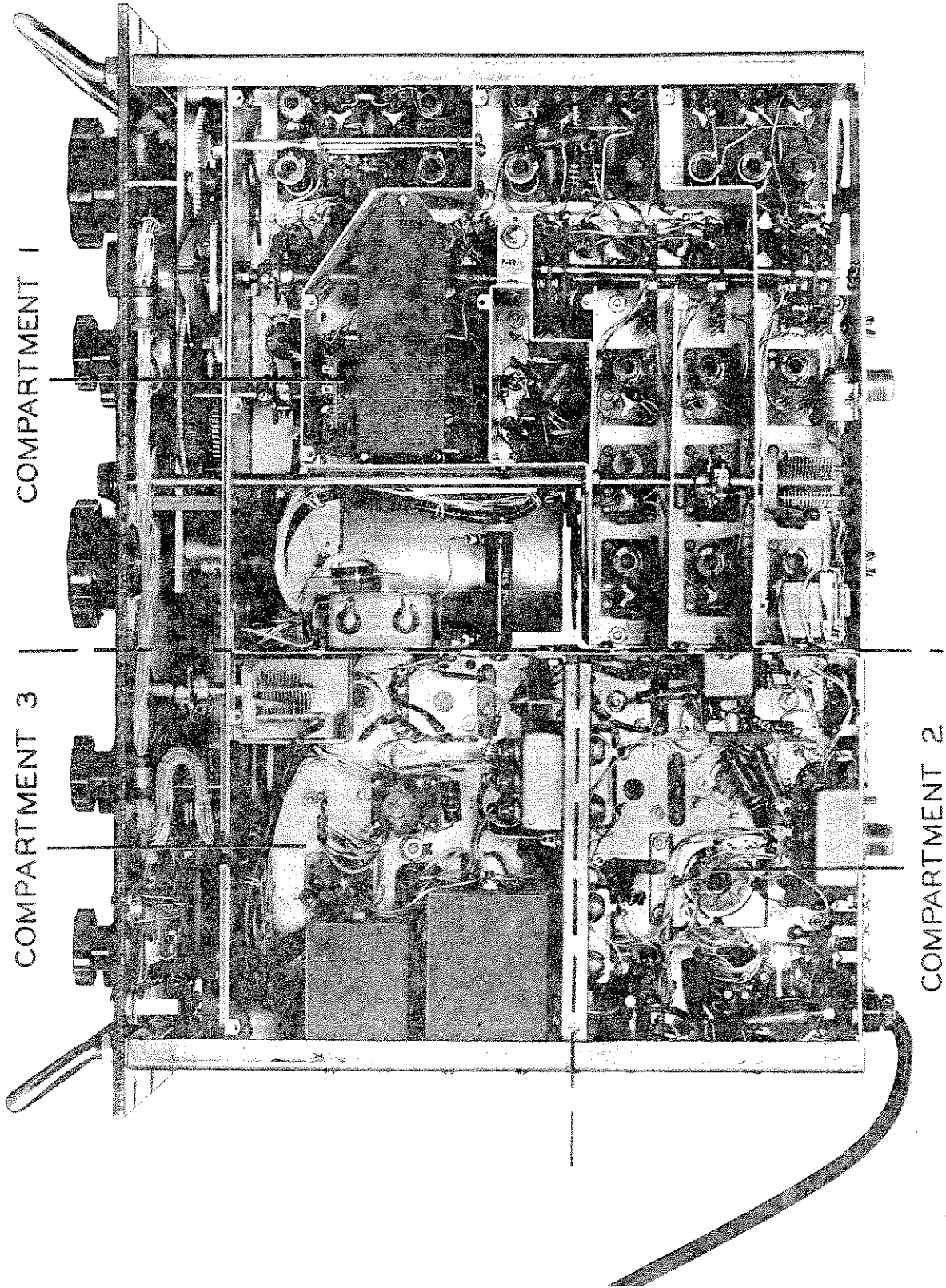


Figure 7-2. 5LJ-4 Bottom View

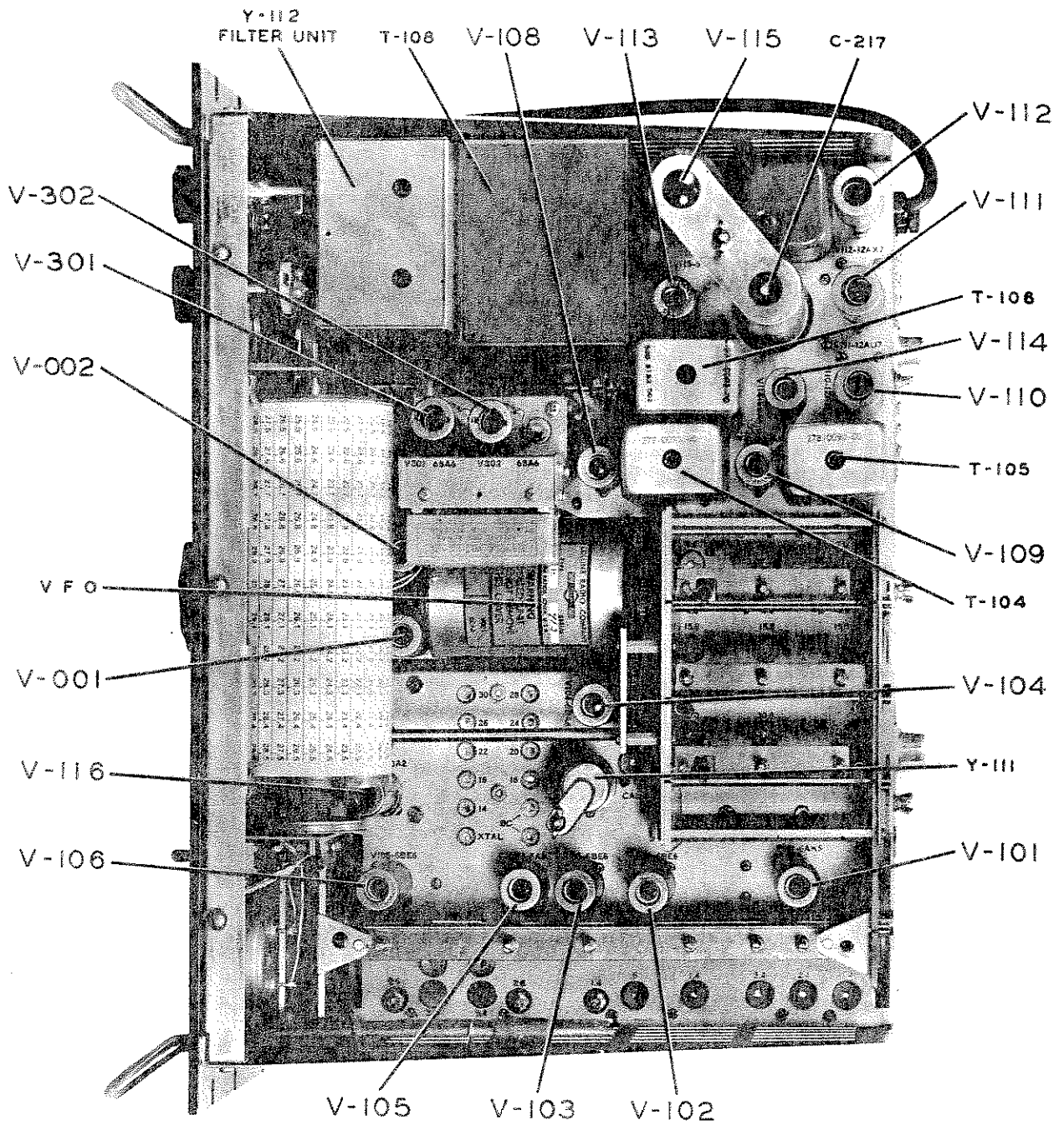


Figure 7-1. 51J-4 Top View, Tube and Parts Identification

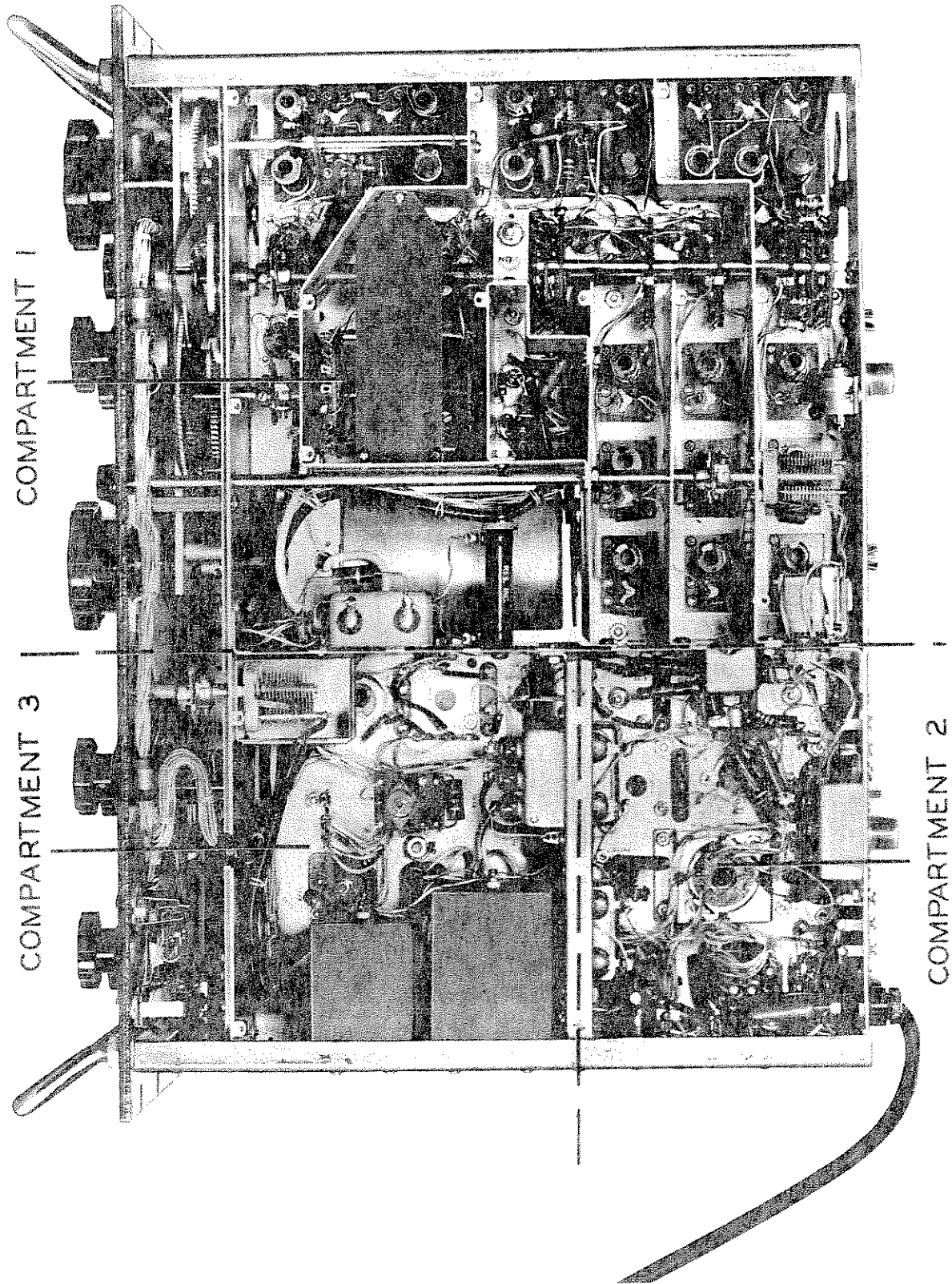


Figure 7-2. 5LJ-4 Bottom View

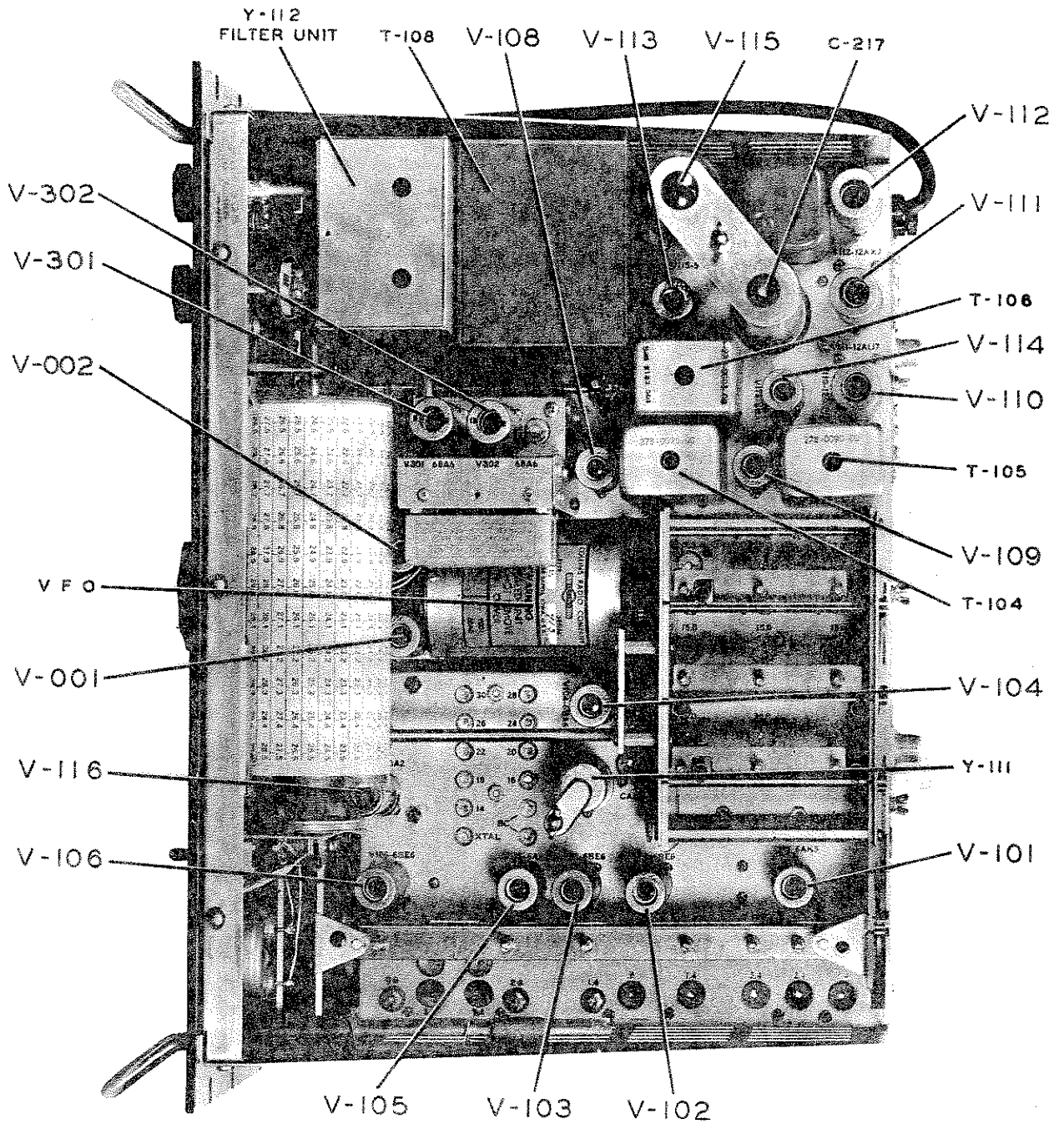


Figure 7-1. 5LJ-4 Top View, Tube and Parts Identification

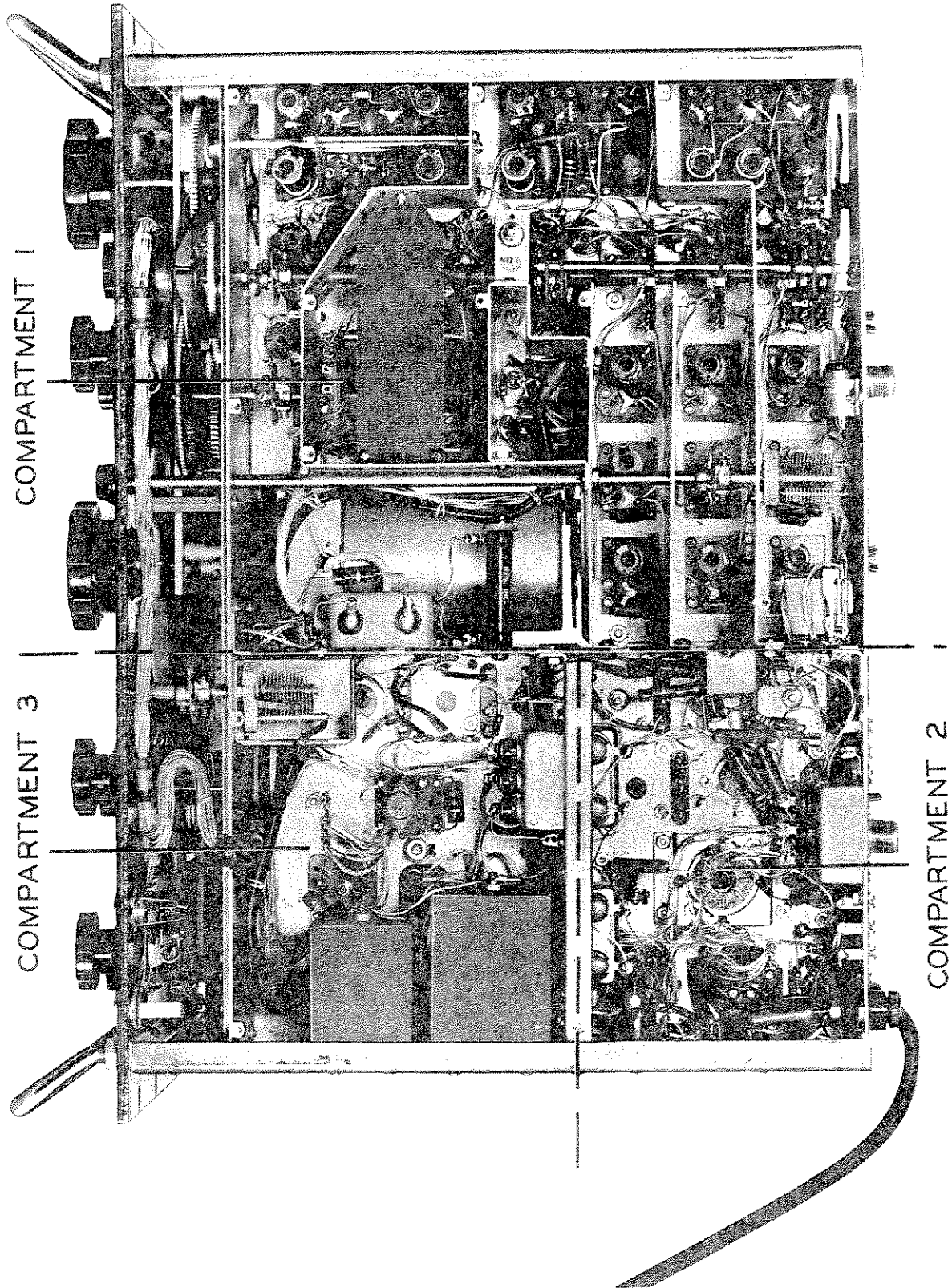


Figure 7-2. 51J-4 Bottom View

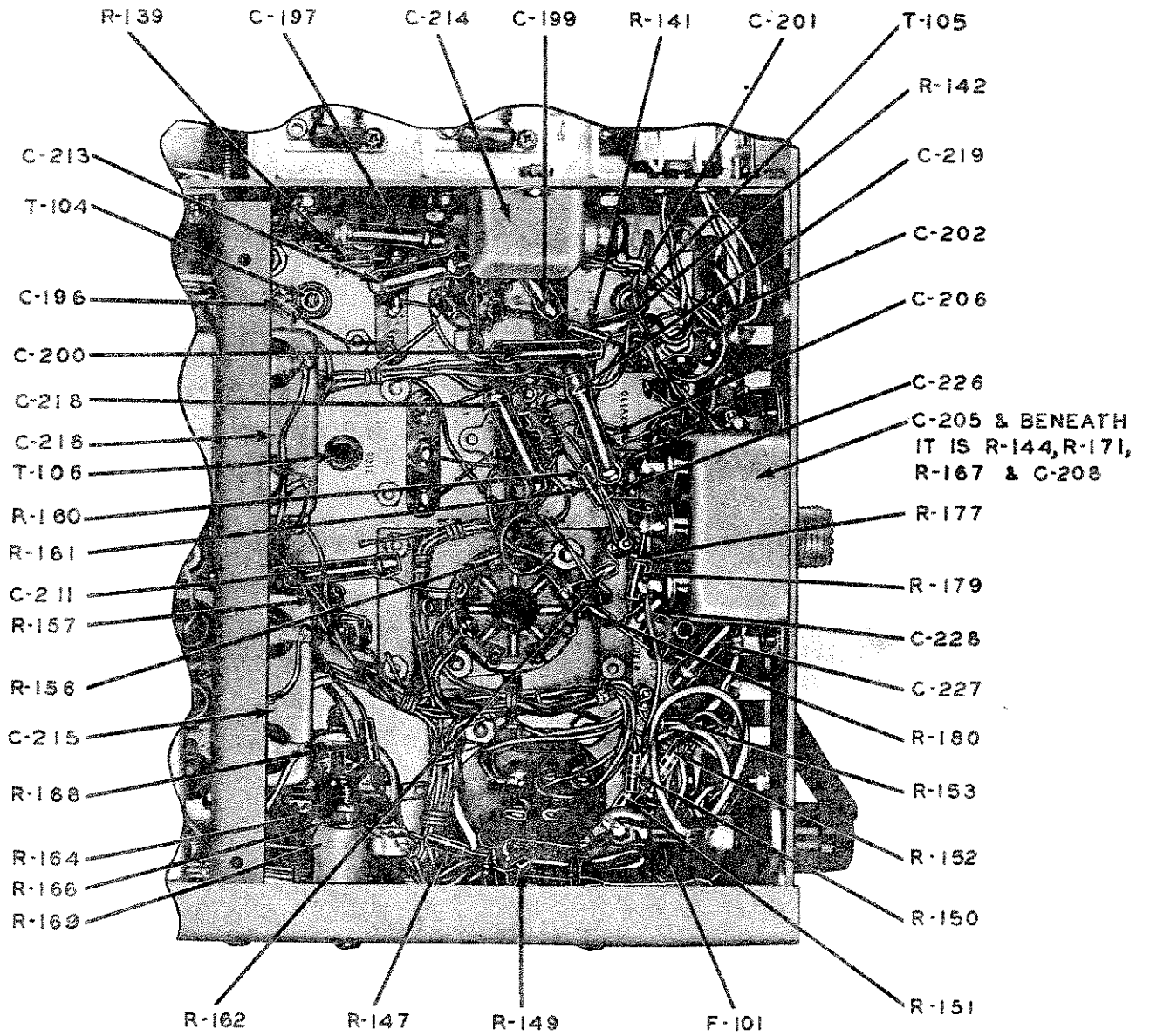


Figure 7-5. 51J-4 Bottom View, Compartment 2

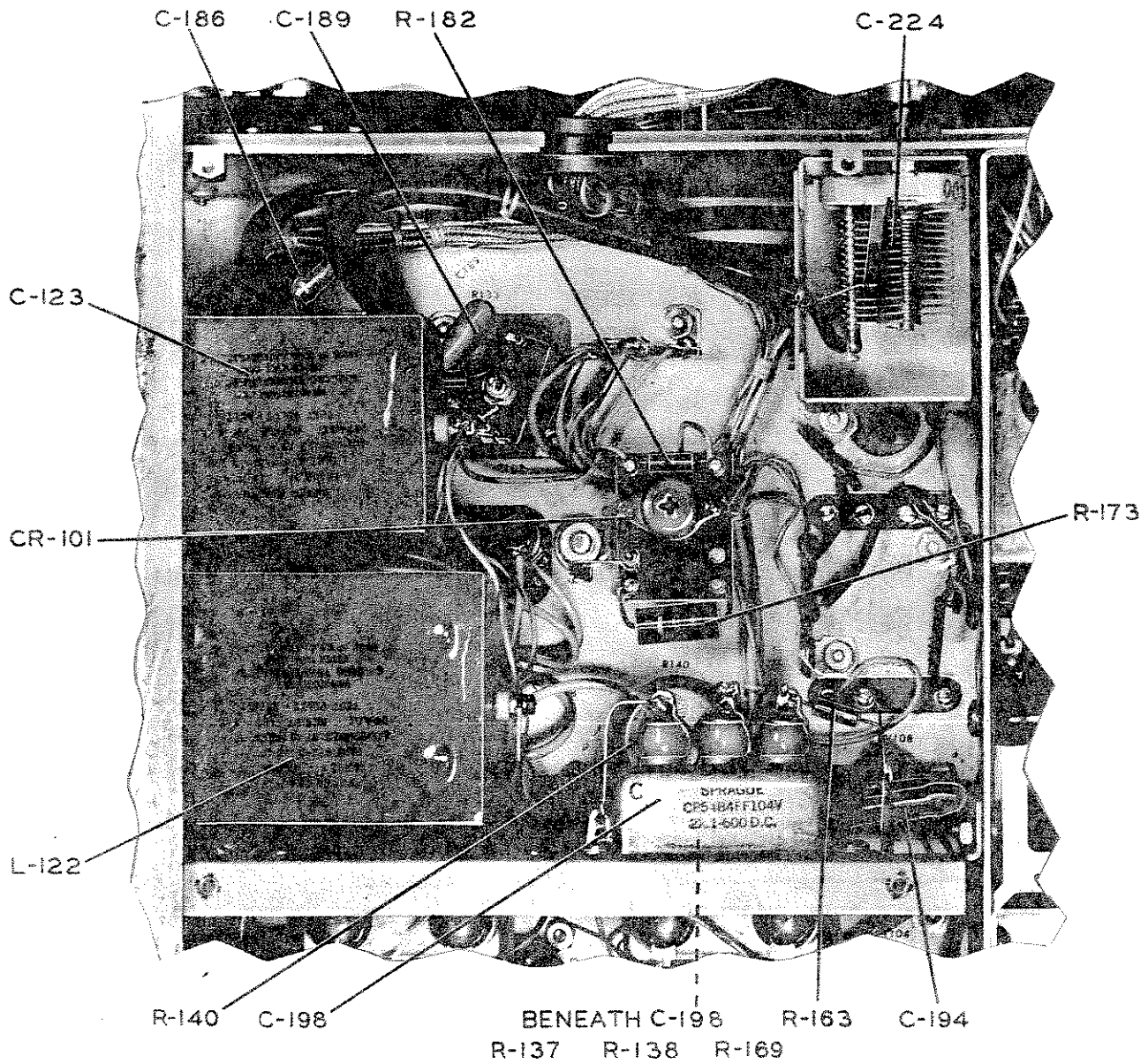


Figure 7-6. 5LJ-4 Bottom View, Compartment 3

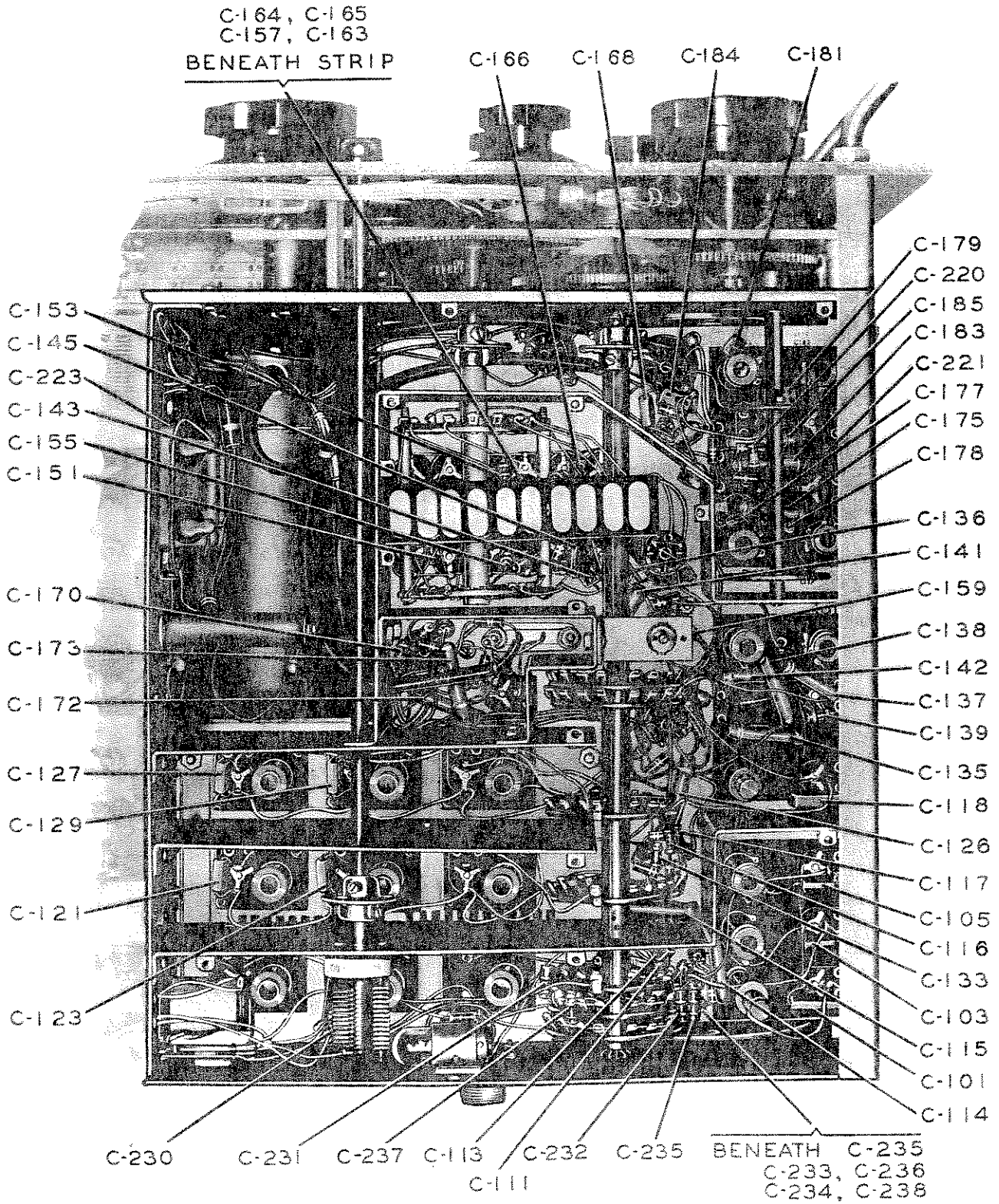


Figure 7-3. 5LJ-4 Bottom View, Compartment 1, Capacitor

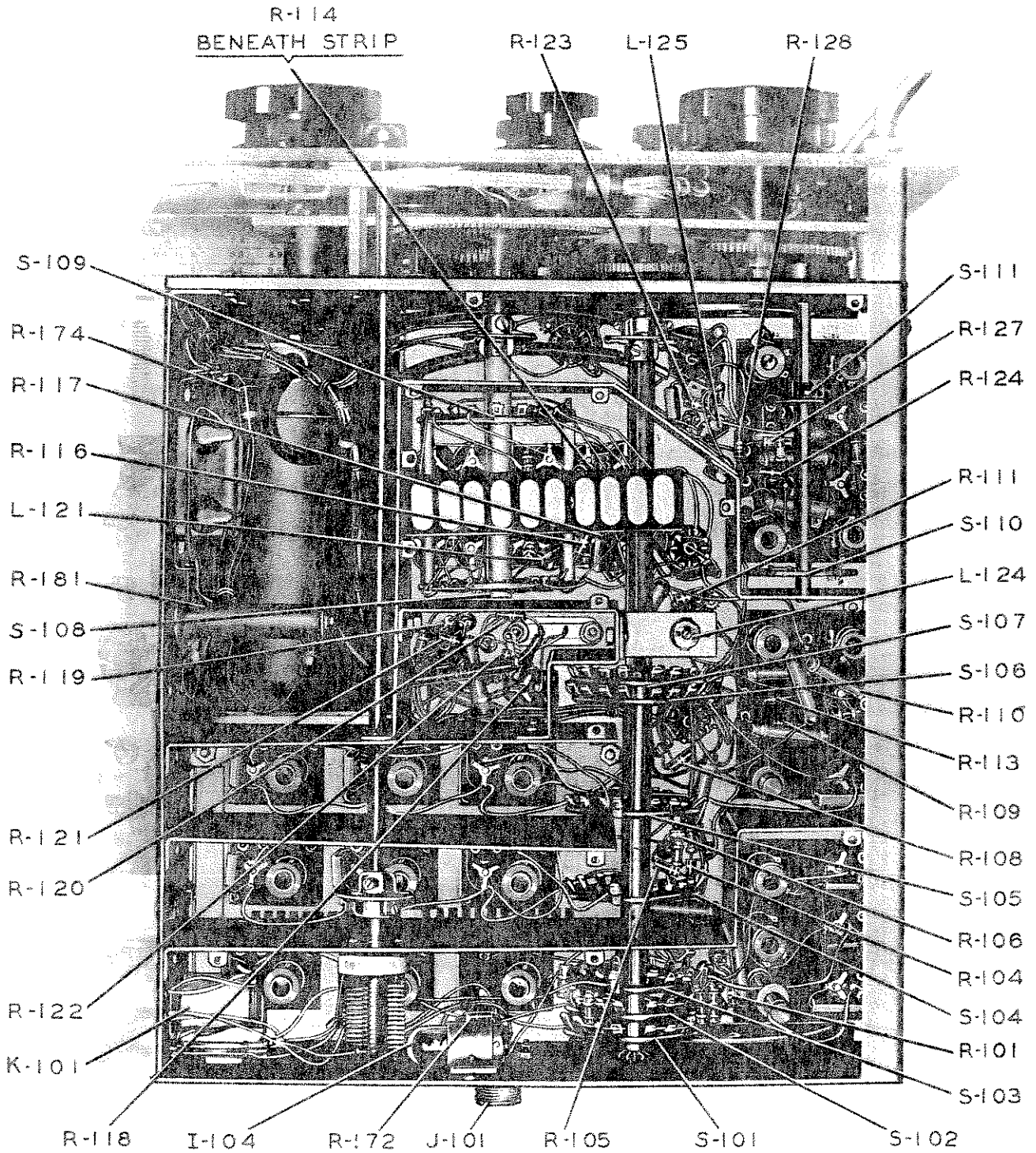


Figure 7-4. 5LJ-4 Bottom View, Compartment 1, General

RECOMMENDED SERVICE PARTS LIST

PRICES AND DISCOUNTS

The prices on this service parts list are those of parts considered replacement parts for this equipment by our Field Service Engineering Department. Items identified by an asterisk in the price column are not subject to discount. Refer to the following discount schedule to obtain prices for quantity purchases of other items. All prices are quoted F.O.B., Our Plant, Cedar Rapids, Iowa, and are subject to change without notice.

<u>QUANTITIES</u>	<u>DISCOUNT</u>
1 - 4	List
5 - 9	5%
10 - 24	10%
25 - 99	15%

A price quotation for parts not appearing on this list, or for quantities greater than one hundred (100), will be furnished upon request.

HOW TO ORDER

When ordering service parts from this list, please refer to the equipment type and direct your order to:

COLLINS RADIO COMPANY
SERVICE PARTS DEPARTMENT
CEDAR RAPIDS, IOWA

Collins Radio Company will stock minimum quantities of the parts shown on this recommended service parts list to cover emergency requirements. A lead time of approximately thirty (30) to ninety (90) days should be allowed for normal procurement. Since the demand for replacement parts is often highly irregular, it is difficult to foresee all future needs and to maintain sufficient stock to satisfy all requirements. It is advisable for customers having large or unusual requirements to place their orders as far in advance of their needs as possible.

GUARANTEE

Equipments, parts or accessories sold by Collins Radio Company are guaranteed in accordance with the terms and conditions of sale as specified on the applicable Collins Sales Order.

HOW TO RETURN MATERIAL OR EQUIPMENT

To return material or equipment, under the guarantee or otherwise, notify the Customer Returned Goods Department, Cedar Rapids, Iowa, giving full particulars and requesting a Return Material Authorization Form. If the Item is thought to be defective, give full information as to the nature of defect and identification of part. Failure to secure our authorization prior to the forwarding of the goods or failure to provide full particulars may cause unnecessary delay in handling of your return merchandise.

NOTE: This service parts list supersedes any previous service parts list or price list published for these parts.

COLLINS RADIO COMPANY

CUSTOMER SERVICE PARTS LIST

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PART NO.	DESCRIPTION	REFERENCE SYMBOLS	LIST PRICE	QUAN. IN EQUIP.	RECOMMENDED SPARES QTY FOR 1 YEAR'S OPERATION				
					1	5	10	20	20
<u>CAPACITORS</u>									
935 5016 00	Mica, 800mmf \pm 2%, 300wv	C101	.26	1	1	2	2	2	
917 1038 00	Variable Ceramic, 8-50mmf, 350wv	C102, 104, 106, 108, 119, 120, 128, 140, 144, 150, 152, 154, 156, 158, 162, 174, 176, 180, 182	1.10	19	4	12	13	17	
912 0535 00	Mica, 390mmf \pm 2%, 500wv	C103	.42	1	1	2	2	2	
912 0517 00	Mica, 220 mmf \pm 2%, 500wv	C105, 168	.26	2	1	2	2	3	
912 0503 00	Mica, 130mmf \pm 5%, 500wv	C107	.20	1	1	2	2	2	
912 0437 00	Mica, 15mmf \pm 5%, 500wv	C109	.12	1	1	2	2	2	
917 1036 00	Variable Ceramic, 5-25mmf	C110, 122, 124, 130, 132, 146, 147, 148, 149, 169	1.10	10	2	6	8	10	
916 0075 00	Ceramic, 2mmf \pm 1/4mmf, 500wv (See C206)	C111, 117, 196, 221	.74	4	1	3	3	4	
912 0494 00	Mica, 100mmf \pm 5%, 500wv	C113, 136, 143, 166, 171, 184, 204, 226	.19	8	2	5	7	8	
913 0566 00	Ceramic, 10000mmf OMV, 350wv	C114, 115, 126, 134, 135, 137, 138, 141, 142, 163, 164, 170, 172, 178, 183, 185, 186, 189, 194, 195, 197, 199, 200, 207, 208, 209, 211, 213, 218, 219, 227, 228	.21	35	6	19	22	35	
916 0070 00	Ceramic, 1mmf \pm 1/4mmf, 500wv	C116	.53	1	1	2	2	2	
935 5015 00	Mica, 910mmf \pm 1%, 300wv	C118	.37	1	1	2	2	2	
912 0514 00	Mica, 200mmf \pm 2%, 500wv	C121, 127, 161	.21	3	1	2	3	3	
912 0478 00	Mica, 62 mmf \pm 2%, 500wv	C122, 129	.19	2	1	2	2	3	
916 0072 00	Ceramic, 1.5mmf \pm 1/4mmf, 500wv (See C206)	C133	.53	1	1	2	2	2	
916 4188 00	Ceramic, 20 mmf \pm 5%, 500wv	C139	.32	1	1	2	2	2	
912 0506 00	Mica, 150 mmf \pm 5%, 500w v	C145, 159	.21	2	1	2	2	3	
916 4180 00	Ceramic, 15mmf \pm 5%, 500wv	C151, 165	.32	2	1	2	2	3	

CUSTOMER SERVICE PARTS LIST
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DATE 9/12/56

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PART NO.	DESCRIPTION	REFERENCE SYMBOLS	LIST PRICE	QUAN. IN EQUIP.	RECOMMENDED SPARES QTY. FOR 1 YEAR'S OPERATION			
					Number of Equipments			
					1	5	10	20
916 4317 00	Ceramic, 36 mmf \pm 5%, 500wv	C153,235	.53	1	1	2	2	2
916 4362 00	Ceramic, 47mmf \pm 5%, 500wv	C155	.32	1	1	2	2	2
916 4972 00	Ceramic, 68 mmf \pm 5%, 500wv	C157	.32	1	1	2	2	2
917 1035 00	Variable Ceramic, 3-12mmf, 350wv	C157	1.10	1	1	2	2	2
916 0139 00	Ceramic, 10 mmf \pm 10%, 500wv	C173,187,237	.32	3	1	2	3	3
912 0511 00	Mica, 180 mmf \pm 2%, 500wv	C175,179	.26	2	1	2	2	3
912 0526 00	Mica, 300 mmf \pm 2%, 500wv	C177,181	.32	2	1	2	2	3
922 0079 00	Variable Air, 3.5-27 mmf	C188	2.63	1	1	2	2	2
961 5169 00	Paper, 0.1-0.1, +20%-10%, 600wv	C198	3.15	1	1	2	2	2
916 0118 00	Ceramic, 5 mmf \pm 10%, 500wv	C201,238	.26	2	1	2	2	3
912 0529 00	Mica, 330 mmf \pm 2%, 500wv	C202	.37	1	1	2	2	2
961 5187 00	Paper, 0.1-0.1-0.1, +20%-10%, 600wv	C205	2.63	1	1	2	2	2
	C206 is selected from following:							
916 0072 00	Ceramic, 1.5 mmf \pm 1/4mmf, 500w v		.53					
916 0075 00	Ceramic, 2.0 mmf \pm 1/4mmf, 500wv		.74					
935 2110 00	Mica, 6800 mmf \pm 10%, 300wv	C212	.47	1	1	2	2	2
184 6509 00	Electrolytic, 20 mf \pm 20% -10%, 150wv	C215,216	2.73	2	1	2	2	3
184 5000 00	Electrolytic, 35-35 mf \pm 250%-10%, 450wv	C217	3.78	1	1	2	2	2
916 0113 00	Ceramic, 4mmf \pm 1/4mmf, 500wv	C220	.79	1	1	2	2	2
184 6515 00	Electrolytic, 8 mf \pm 250% -10%, 350wv	C223	2.78	1	1	2	2	2
922 0153 00	Variable Air, 7-100 mmf	C224,230	2.00	1	1	2	2	2
916 4059 00	Ceramic, 24mmf \pm 2%, 500wv	C231,233	.32	2	1	2	2	3
916 4327 00	Ceramic, 24mmf \pm 2%, 500wv	C232	.32	1	1	2	2	2
916 0476 00	Ceramic, 51mmf \pm 5%, 500wv	C234	.32	1	1	2	2	2

CUSTOMER SERVICE PARTS LIST

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PART NO.	DESCRIPTION	REFERENCE SYMBOLS	LIST PRICE	QUAN. IN EQUIP.	RECOMMENDED SPARES QTY FOR 1 YEAR'S OPERATION Number of Equipments			
					1	5	10	20
916 4323 00	Ceramic, 22mmf \pm 5%, 500wv	C236	.19	1	1	2	2	2
912 0520 00	Mica, 240 mmf \pm 2%, 500wv	C301,302	.32	2	1	2	2	3
913 1188 00	Ceramic, .01 mf + 100% - 20%, 500wv	C303,304,305,308,309,310,	.12	6	2	4	5	6
912 0524 00	Mica, 270 mmf \pm 5%, 500wv	C306	.26	1	1	2	2	2
912 0495 00	Mica, 100mmf \pm 10%, 500wv	C307	.17	1	1	2	2	2
	<u>COILS</u>							
504 3056 001	RF, 75 turns	L101,110	4.83	2	1	1	2	2
505 2147 002	RF, 48 turns #28 wire	L102	4.20	1	1	1	.1	2
505 2148 002	RF, 43 turns #28 wire	L103	4.46	1	1	1	1	2
504 3060 001	RF, 27 turns	L104,107,111	4.36	3	1	1	2	3
504 3061 001	RF, 20 turns	L105,108,112	4.36	3	1	1	2	3
504 3062 001	RF, 20 turns	L106,109,113	4.36	3	1	1	2	3
504 3064 001	IF, 48 turns	L114,116	4.20	1	1	1	1	2
504 3057 001	IF, 16 turns	L115	3.47	1	1	1	1	2
504 3066 001	IF, 46 turns	L117,119	3.47	2	1	1	2	2
504 5347 001	IF, 48 turns	L118	4.20	1	1	1	1	2
503 4535 001	RF, 3 windings, 112 turns	L120	.58	1	1	1	1	2
504 3074 001	RF, 46 turns	L121	2.94	1	1	1	1	2
678 0432 00	Reactor, 3 hy, 120 ma, 100 ohm	L122	11.55	1	1	1	1	2
678 0431 00	Reactor, 5 hy 80 mag 300 ohm	L123	10.50	1	1	1	1	2
504 6646 002	Band Suppression Filter	L124	4.36	1	1	1	1	2
240 0073 00	RF Choke, 015 mh \pm 10%	L125	.42	1	1	1	2	2
	<u>CONNECTORS</u>							
357 9005 00	RF	J101,104	.84	2	1	1	2	2
358 1050 00	3 Circuit Phone Jack	J102	.37	1	1	1	1	2

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					Number of Equipments				
					1	5	10	20	
358 1040 00	2 Circuit Phone Jack	J103	.37	1	1	1	1	2	
368 0040 00	AC 2 male contacts	P101	.74	1	1	1	1	2	
	<u>CRYSTALS</u>								
291 8134 00	CR-18/U, 10666.67 KC	Y101	5.04	1	1	1	1	2	
291 8102 00	CR-18/U, 13 MC	Y102	5.04	1	1	1	1	2	
291 8114 00	CR-18/U, 11MC	Y103	5.04	1	1	1	1	2	
291 8083 00	CR-18/U, 9 MC	Y104	5.04	1	1	1	1	2	
291 8135 00	CR-18/U, 14 MC	Y105	5.04	1	1	1	1	2	
291 8117 00	CR-18/U, 12 MC	Y106	5.04	1	1	1	1	2	
291 8133 00	CR-18/U, 10 MC	Y107	5.04	1	1	1	1	2	
291 8113 00	CR-18/U, 8 MC	Y108	5.04	1	1	1	1	2	
291 8132 00	CR-18/U, 6 MC	Y109	5.04	1	1	1	1	2	
291 8131 00	CR-18/U, 4 MC	Y110	5.04	1	1	1	1	2	
291 5954 00	Special 100 KC Unit	Y111	9.98	1	1	1	1	2	
291 5175 00	CR-7, 500 KC	Y112	7.61	1	1	1	1	2	
	<u>CRYSTAL RECTIFIER</u>								
353 3000 00	Dry Disc, Instrument type	CR101	2.00	1	1	1	1	2	
	<u>FUSES</u>								
264 0007 00	1.5 Amps., 3 AG	F101	.20	1	3	3	5	5	
	<u>LAMPS</u>								
262 3240 00	6.3V, 0.15 a	I101,102,103	.06	3	1	3	3	4	
262 0238 00	NE-48	I104	.63	1	1	2	2	2	
	<u>METER</u>								
476 0030 00	Signal Level & db	M101	11.55	1	1	1	1	2	

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					Number of Equipments			
					1	5	10	20
	<u>RELAYS</u>							
972 1176 00	Break-in	K101	6.30	1	1	2	2	2
	<u>RESISTORS</u>							
745 1212 00	Comp., 1M \pm 10%, 1/2w	R101	.10*	1	1	2	2	2
745 1170 00	Comp., 100K \pm 10%, 1/2w	R102, 112, 115, 120, 123, 130, 145, 157, 167, 177	.10*	10	2	6	8	10
745 1149 00	Comp., 33K \pm 10%, 1/2w	R104, 114, 151, 161	.10*	4	1	3	3	4
745 3128 00	Comp., 10K \pm 10%, 1w	R105	.17*	1	1	2	2	2
745 1121 00	Comp., 6.8K \pm 10%, 1/2w	R106	.10*	1	1	2	2	2
745 1072 00	Comp., 470 ohm \pm 10%, 1/2w	R107, 111, 127	.10*	3	1	2	2	3
745 1191 00	Comp., 330K \pm 10%, 1/2w	R108	.10*	1	1	2	2	2
745 3156 00	Comp., 47K \pm 10%, 1w	R109	.17*	1	1	2	2	2
745 1100 00	Comp., 2.2K \pm 10%, 1/2w	R110, 116, 124, 129, 309, 138, 162, 168, 180	.10*	9	2	5	7	9
745 3149 00	Comp., 33K \pm 10%, 1w	R113, 128	.17*	2	1	2	2	3
745 1156 00	Comp., 47K \pm 10%, 1/2w	R117, 137, 141, 146	.10*	4	1	3	3	4
745 1205 00	Comp., 680K \pm 10%, 1/2w	R118	.10*	1	1	2	2	2
745 1114 00	Comp., 4.7K \pm 10%, 1/2w	R119, 132	.10*	2	1	2	2	3
745 1184 00	Comp., 220K \pm 10%, 1/2w	R121, 156, 178	.10*	3	1	3	3	4
745 1128 00	Comp., 10K \pm 10%, 1/2w	R122, 133, 139, 310	.10*	4	1	3	3	4
745 1198 00	Comp., 470K \pm 10%, 1/2w	R125, 144, 152, 153, 172, 304	.10*	6	2	4	5	6
745 1142 00	Comp., 22K \pm 10%, 1/2w	R131	.10*	1	1	2	2	2
380 0120 00	Potentiometer, 100 ohm \pm 20%, 2w	R140	4.36	1	1	2	2	2
745 3100 00	Comp., 27K \pm 10%, 1/2w	R142	.17*	1	1	2	2	2
745 1002 00	Comp., 10 ohm \pm 10%, 1/2w	R143	.10*	1	1	2	2	2
745 1146 00	Comp., 27K \pm 10%, 1/2w	R147, 169	.10*	2	1	2	2	3

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					1	5	10	20
380 0118 00	Potentiometer, 10K \pm 20%, 2w	R148	4.46	1	1	2	2	2
745 1082 00	Comp., 820 ohm \pm 5%, 1/2w	R149	.21*	1	1	2	2	2
745 1163 00	Comp., 68K \pm 10%, 1/2w	R150,183	.10*	1	1	2	2	2
380 0119 00	Potentiometer, 500K \pm 20%, 2w	R154	4.46	1	1	2	2	2
745 1107 00	Comp., 3.3K \pm 10%, 1/2w	R155	.10*	1	1	2	2	2
745 3170 00	Comp., 100K \pm 10%, 1w	R160	.17*	1	1	2	2	2
745 1050 00	Comp., 150 ohm \pm 5%, 1/2w	R163	.21*	1	1	2	2	2
747 0072 00	WW, 100 ohm \pm 5%, 8w	R164,166	.63	2	1	2	2	3
747 0077 00	WW, 310 ohm \pm 5%, 8w	R165	.63	1	1	2	2	2
745 1174 00	Comp., 120K \pm 10%, 1/2w	R171,302	.10*	2	1	2	2	3
745 9107 00	Comp., 1.8K \pm 5%, 2w	R173	.42*	1	1	2	2	2
745 9097 00	Comp., 1K \pm 10%, 2w	R174	.21*	1	1	2	2	2
745 1086 00	Comp., 1K \pm 10%, 1/2w	R179	.10*	1	1	2	2	2
747 1139 00	WW, 3.1K \pm 5%, 12w	R181	.79	1	1	2	2	2
745 1058 00	Comp., 220 ohm \pm 10%, 1/2w	R182	.10*	1	1	2	2	2
745 9017 00	Comp., 12 ohm \pm 10%, 2w	R184	.21*	1	1	2	2	2
745 3419 00	Comp., 39K \pm 10%, 1w	R301	.17*	1	1	2	2	2
745 1352 00	Comp., 1K \pm 10%, 1/2w	R303	.10*	1	1	2	2	2
745 1062 00	Comp., 270 ohm \pm 10%, 1/2w	R305	.10*	1	1	2	2	2
745 1412 00	Comp., 27K \pm 10%, 1/2w	R306	.10*	1	1	2	2	2
745 3422 00	Comp., 47K \pm 10%, 1w	R307	.17*	1	1	2	2	2
745 1044 00	Comp., 100 ohm \pm 10%, 1/2w	R308	.10*	1	1	2	2	2
<u>SOCKETS</u>								
265 1003 00	3 AG Fuse Holder	XF101	.53	1	1	1	1	2

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					Number of Equipments			
					1	5	10	20
262 0240 00	Pilot Lamp	XI101,102	.17	2	1	1	2	2
262 0239 00	Pilot Lamp	XI103	.16	1	1	1	1	2
220 1111 00	7 pin miniature	XV101,107,109, 113,114,116	.19	11	1	3	4	6
220 1103 00	9 pin miniature	XV110,111,112	.26	3	1	1	2	2
220 1121 00	Octal	XV115,XC217	.42	2	1	1	2	2
220 9011 00	7 pin miniature	XV301,302	.08	2	1	1	2	2
504 5009 001	Crystal Board	XY101,110	4.69	1	1	1	1	2
292 0055 00	Crystal	XY111	.63	1	1	1	1	2
292 0023 00	Sockets for Mechanical Filters		.37	6	1	2	3	3
<u>SWITCHES</u>								
269 1271 00	Rotary, 1 ckt, 17 pos.	S101,102,106, 107,109	.74	5	1	2	2	3
269 1273 00	Rotary, 1 ckt., 18 pos;	S103,104,105	.74	3	1	1	2	2
269 1272 00	Rotary, 2 ckt. 15 pos.	S108	1.10	1	1	1	2	2
269 1270 00	Rotary, 1 ckt, 2 pos.	S110,111	.53	2	1	1	2	2
259 0380 00	Rotary, 2 ckt , 2 pos.	S112,115,116, 118	1.47	4	1	2	2	2
259 0381 00	Rotary, 2 ckt, 3 pos.	S113	2.15	1	1	1	1	2
259 0379 00	Rotary, 1 ckt, 5 pos.	S114	2.42	1	1	1	1	2
266 3062 00	Toggle, DPDT, 30 amp.	S117	2.89	1	1	1	1	2
269 9016 00	Rotary, 1 ckt., 12 pos.	S301,302	.74	2	1	1	2	2
<u>TRANSFORMERS</u>								
278 0093 00	Crystal Filter Input	T101	4.20	1	1	1	1	2
278 0092 00	Crystal Filter Output	T102	3.36	1	1	1	1	2
278 0090 00	IF	T104,105	5.25	2	1	1	2	2
505 2122 002	BFO	T106	17.59	1	1	1	1	2

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					Number of Equipments			
					1	5	10	20
677 0430 00	Audio Output	T107	11.55	1	1	1	1	2
672 0575 00	Power	T108	28.35	1	1	1	1	2
278 9005 00	500kc Plate	L301	2.31	1	1	1	1	2
	<u>TUBES</u>							
257 0040 00	Commercial 6AK5	V101,105	3.35*	2	2	3	4	5
257 0048 00	Commercial 6BE6	V102,103,106	1.50*	3	3	4	5	6
255 0185 00	Commercial 6BA6	V104,108,109, 114,001,002, 301,302	1.45*	8	10	7	10	13
255 0201 00	Commercial 12AX7	V110,112	1.85*	2	3	5	6	8
255 0199 00	Commercial 12AU7	V111	1.75*	3	3	3	5	6
255 0195 00	Commercial 6AQ5	V113	1.50*	1	3	3	5	6
255 0081 00	Commercial 5V4G	V115	2.05*	1	3	3	5	6
257 0052 00	Commercial 0A2	V116	1.40*	1	3	3	5	6

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