

**SECTION VI**  
**PARTS LIST FOR 75A-4 RECEIVER**

TABLE 6-1

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
C-1	Calibration Oscillator frequency adjuster	CAPACITOR, variable: ceramic; 5-25 mmf; 350 wv	917 1073 00
C-2	V-1 Cathode bypass	CAPACITOR: ceramic; .01 mf, +100 -20%; 500 wv	9 13 3013 00
C-3	V-1 Screen bypass	CAPACITOR: mica; 200 mmf, $\pm 10\%$ , 500 wv	912 0519 00
C-4	V-1 plate decoupling	CAPACITOR: ceramic; .01 mf, +100 -20%, 500 wv	9 13 3013 00
C-5	Calibration signal coupling	CAPACITOR: ceramic; 1 mmf, $\pm 1/4$ mmf, 500 wv	916 0070 00
C-6	Padder for T-1	CAPACITOR: mica; 390 mmf, $\pm 2\%$ , 500 wv	912 0535 00
C-7	Trimmer for T-1	CAPACITOR, variable: ceramic; 8-50 mmf; 350 wv	917 1075 00
C-8	Trimmer for T-2	CAPACITOR, variable: ceramic; 8-50 mmf; 350 wv	917 1075 00
C-9	Padder for T-2	CAPACITOR: mica; 650 mmf, $\pm 2\%$ , 500 wv	912 0548 00
C-10	Padder for L-1	CAPACITOR: mica; 300 mmf, $\pm 2\%$ , 500 wv	912 0526 00
C-11	Trimmer for L-1	CAPACITOR, variable: ceramic; 8-50 mmf, 350 wv	917 1075 00
C-12	Padder for L-2	CAPACITOR: mica; 120 mmf, $\pm 5\%$ , 500 wv	9 12 0500 00
C-13	Trimmer for L-2	CAPACITOR, variable: ceramic; 8-50 mmf, 350 wv	917 1075 00
C-14	Padder for L-3	CAPACITOR: mica; 68 mmf, $\pm 5\%$ , 500 wv	9 12 0482 00
C-15	Trimmer for L-3	CAPACITOR, variable: ceramic; 8-50 mmf, 350 wv	917 1075 00
C-16	Trimmer for T-7	CAPACITOR, variable: ceramic; 5-25 mmf, 350 wv	917 1073 00
C-17	Trimmer for L-10	CAPACITOR, variable: ceramic; 5-25 mmf, 350 wv	917 1073 00

TABLE 6-1 (Cont.)

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
C-18	Antenna Trimmer	CAPACITOR, variable: air; 2.6-19.7 mmf	922 0033 00
C-19	V-2 grid blocking	CAPACITOR: mica; 100 mmf, $\pm 10\%$ , 500 wv	912 0495 00
C-20	V-2 grid decoupling	CAPACITOR: paper; .1 mmf, $\pm 10\%$ , 400 wv	931 0299 00
C-21	V-2 screen bypass	CAPACITOR: ceramic; .01 mf, +100 -20%, 500 wv	<b>913 3013 00</b>
C-22	Padder for T-7	CAPACITOR: mica; 24 mmf, $\pm 10\%$ , 500 wv	912 0450 00
C-23	Trimmer for L-6	CAPACITOR, variable: ceramic; 8-50 mmf, 350 wv	917 1075 00
C-24	Padder for L-6	CAPACITOR: mica; 650 mmf, $\pm 20\%$ , 500 wv	912 0548 00
C-25	Padder for L-7	CAPACITOR: mica; 300 mmf, $\pm 2\%$ , 500 wv	<b>912 0526 00</b>
C-26	Trimmer for L-7	CAPACITOR, variable: ceramic; 8-50 mmf, 350 wv	917 1075 00
C-27	Padder for L-8	CAPACITOR: mica; 120 mmf, $\pm 5\%$ , 500 wv	<b>912 0500 00</b>
C-28	Trimmer for L-8	CAPACITOR, variable: ceramic; 8-50 mmf, 350 wv	917 1075 00
C-29	Padder for L-9	CAPACITOR: mica; 68 mmf, $\pm 5\%$ , 500 wv	<b>912 0482 00</b>
C-30	Trimmer for L-9	CAPACITOR, variable: ceramic; 8-50 mmf, 350 wv	917 1075 00
C-31	Trimmer for L-10	CAPACITOR, variable: ceramic; 5-25 mmf, 350 wv	917 1073 00
C-32	Trimmer for L-10	CAPACITOR, variable: ceramic; 5-25 mmf, 350 wv	917 1073 00
C-33	V-2 plate decoupling	CAPACITOR: ceramic; .01 mf, +100-20%, 500 wv	<b>913 3013 00</b>
C-34	V-3 grid blocking	CAPACITOR: mica; 100 mmf, $\pm 10\%$ , 500 wv	912 0495 00
C-35	V-3 cathode bypass	CAPACITOR: ceramic; .01 mf, +100-20%, 500 wv	<b>913 3013 00</b>
C-36	V-3 screen bypass	CAPACITOR: ceramic; .01 mf, +100-20%, 500 wv	<b>913 3013 00</b>

TABLE 6-1 (Cont.)

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
C-37	V-3 injection coupling	CAPACITOR: mica; 100 mmf, $\pm 10\%$ , 500 wv	912 0495 00
C-38	V-4 plate feedback	CAPACITOR: mica; 220 mmf, $\pm 10\%$ , 500 wv	912 0519 00
C-39	Padder for L-18	CAPACITOR: mica; 47 mmf, $\pm 5\%$ , 500 wv	<b>912 0470 00</b>
C-40	Padder for L-12	CAPACITOR: mica; 220 mmf, $\pm 10\%$ , 500 wv	912 0519 00
C-41	Padder for L-13	CAPACITOR: mica; 130 mmf, $\pm 10\%$ , 500 wv	912 0502 00
C-42	Padder for L-14	CAPACITOR: mica; 120 mmf, $\pm 10\%$ , 500 wv	912 0501 00
C-43	Padder for L-15	CAPACITOR: mica; 110 mmf, $\pm 2\%$ , 500 wv	912 0496 00
C-44	Padder for L-16	CAPACITOR: mica; 56 mmf, $\pm 10\%$ , 500 wv	912 0477 00
C-45	Padder for L-17	CAPACITOR: mica; 47 mmf, $\pm 10\%$ , 500 wv	912 0471 00
C-46	V-4 plate decoupler	CAPACITOR: ceramic; .01 mf, +100 -20%, 500 wv	<b>913 3013 00</b>
C-47	Padder for L-18	CAPACITOR: mica; 330 mmf, $\pm 2\%$ , 500 wv	<b>912 0529 00</b>
C-48	V-3 plate decoupler	CAPACITOR: ceramic; .01 mf, +100 -20%, 500 wv	<b>913 3013 00</b>
C-50	Padder for L-10	CAPACITOR: mica; 39 mmf, $\pm 10\%$ , 500 wv	912 0465 00
C-51	Padder for L-11	CAPACITOR: mica; 47 mmf, $\pm 10\%$ , 500 wv	912 0471 00
C-52	Coupler for L-18 and L-22	CAPACITOR: ceramic; 4 mmf, $\pm 1/2$ mmf, 500 wv	916 0114 00
C-53	Trimmer for L-18	CAPACITOR, variable: ceramic; 8-50 mmf, 350 wv	917 1075 00
C-54	V-6 cathode bypass	CAPACITOR: paper; .1 mf, $\pm 10\%$ , 150-200 wv	931 0333 00
C-55	Padder for L-22	CAPACITOR: mica; 330 mmf, $\pm 2\%$ , 500 wv	<b>912 0529 00</b>
C-56	Trimmer for L-22	CAPACITOR, variable: ceramic; 8-50 mmf, 350 wv	917 1075 00
C-57	Padder for L-22	CAPACITOR: mica; 75 mmf, $\pm 10\%$ , 500 wv	912 0485 00
C-58	Tweet trap series	CAPACITOR: mica; 270 mmf, $\pm 2\%$ , 500 wv	<b>912 0523 00</b>
C-59	V-5 cathode bypass	CAPACITOR: ceramic; .01 mf, +100-20%, 500 wv	<b>913 3013 00</b>

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TABLE 6-1 (Cont.)

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
C-60	V-5 screen bypass	CAPACITOR: ceramic; .01 mf, +100-20%, 500 wv (p/o L-27)	913 3013 00
C-61	Mechanical filter padder	CAPACITOR: mica; 100 mmf, $\pm 2\%$ , 500 wv	912 0493 00
C-62	V-5 plate decoupling	CAPACITOR: paper; .1 mmf, $\pm 10\%$ , 400 wv	931 0299 00
C-63	B+ bypass	CAPACITOR: ceramic; .01 mf, +100-20%, 500 wv	913 3013 00
C-64	Mechanical filter padder	CAPACITOR: mica; 100 mmf, $\pm 2\%$ , 500 wv	912 0493 00
C-65	V-6 grid decoupler	CAPACITOR: ceramic; .01 mf, +100-20%, 500 wv	913 3013 00
C-66	V-6 screen bypass	CAPACITOR: ceramic; .01 mf, +100-20%, 500 wv	913 3013 00
C-67	V-6 plate decoupling	CAPACITOR: ceramic; .01 mf, +100-20%, 500 wv	913 3013 00
C-68	V-6 plate to V-7 grid coupler	CAPACITOR: mica; 470 mmf, $\pm 10\%$ , 500 wv	912 0543 00
C-69	External padder for L-27	CAPACITOR: mica; 33 mmf, $\pm 20\%$ , 500 wv	912 0457 00
C-70	V-7 plate bypass	CAPACITOR: paper; .1 mf, $\pm 10\%$ , 400 wv	931 0299 00
C-71	V-7 plate blocking	CAPACITOR: mica; 1000 mmf, $\pm 10\%$ , 500 wv	935 5067 00
C-72	Rejection filter tuning	CAPACITOR, variable: air; 2.6-19.7 mmf	922 0033 00
C-73	Padder for L-26	CAPACITOR: mica; 1000 mmf, $\pm 2\%$ , 500 wv	935 5064 00
C-74	Padder for L-26	CAPACITOR: mica, 1000 mmf, $\pm 2\%$ , 500 wv	935 5064 00
C-75	V-8 grid coupling	CAPACITOR: mica; 470 mmf, $\pm 10\%$ , 500 wv	912 0543 00
C-76	V-8 grid decoupling	CAPACITOR: ceramic; .01 mf, +100-20%, 500 wv	913 3013 00
C-77	V-8 cathode bypass	CAPACITOR: ceramic; .01 mf, +100-20%, 500 wv	913 3013 00
C-78	V-8 screen bypass	CAPACITOR: ceramic; .01 mf, +100-20%, 500 wv	913 3013 00
C-79	V-8 plate decoupling	CAPACITOR: ceramic; .01 mf, +100-20%, 500 wv	913 3013 00
C-80	Padder for L-27	CAPACITOR: 100 mmf, part of L-27	

TABLE 6-1 (Cont.)

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
C-81	V-9 grid coupling	CAPACITOR: mica; 470 mmf, $\pm 10\%$ , 500 wv	912 0543 00
C-82	V-9 grid decoupling	CAPACITOR: ceramic; .01 mf, +100-20%, 500 wv	913 3013 00
C-83	V-9 screen bypass	CAPACITOR: ceramic; .01 mf, +100-20%, 500 wv	913 3013 00
C-84	V-9 plate decoupling	CAPACITOR: ceramic; .01 mf, +100-20%, 500 wv	913 3013 00
C-85	T-3 primary padder	CAPACITOR: 500 mmf, part of T-3	
C-86	T-3 secondary padder	CAPACITOR: mica; 510 mmf, $\pm 5\%$ , 300 wv	912 0545 00
C-87	V-11 grid coupler	CAPACITOR: mica; 10 mmf, $\pm 10\%$ , 500 wv	912 0432 00
C-88	T-3 secondary bypass	CAPACITOR: mica; 330 mmf, $\pm 5\%$ , 500 wv	912 0530 00
C-89	V-11 plate bypass	CAPACITOR: ceramic; .01 mf, +100-20%, 500 wv	913 3013 00
C-90	V-11 load filter	CAPACITOR: mica; 220 mmf, $\pm 10\%$ , 500 wv	912 0519 00
C-91	V-11 load filter	CAPACITOR: mica; 220 mmf, $\pm 10\%$ , 500 wv	912 0519 00
C-92	V-11 grid coupler from BFO	CAPACITOR: mica; 100 mmf, $\pm 10\%$ , 500 wv	912 0495 00
C-93	AM detector audio output coupler	CAPACITOR: ceramic; .01 mf, +100-20%, 500 wv	913 3013 00
C-94 ABC	C-94A-Plate supply filter C-94B-Plate supply filter C-94C-V-11 plate decoupling	CAPACITOR: electrolytic; 40 mmf, -15% +100%, 300 wv	183 1115 00
C-95	CW detector audio output coupler	CAPACITOR: ceramic; .01 mf, +100-20%, 500 wv	913 3013 00
C-96	Noise limiter audio output coupler	CAPACITOR: ceramic; .01 mf, +100-20%, 500 wv	913 3013 00
C-97	V-12 cathode bypass	CAPACITOR: paper; .1 mmf, $\pm 10\%$ , 400 wv	931 0299 00
C-98	V-12 plate decoupler	CAPACITOR: paper; .1 mmf, $\pm 10\%$ , 400 wv	931 0299 00
C-99	V-11 grid divider	CAPACITOR: mica; 100 mmf, $\pm 10\%$ , 500 wv	912 0495 00
C-100	V-13 grid coupling	CAPACITOR: ceramic; .01 mf, +100-20%, 500 wv	913 3013 00

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TABLE 6-1 (Cont.)

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
C-101	V-22 grid coupling	CAPACITOR: ceramic; .01 mf, +100-20%, 500 wv	913 3013 00
C-102	V-22 grid decoupling	CAPACITOR: paper; 1 mf, +20-10% 200 wv	931 0170 00
C-103	V-22 plate stabilizing	CAPACITOR: ceramic; .01 mf, +100-20%, 500 wv	913 3013 00
C-104	V-21 grid coupling	CAPACITOR: mica; 470 mmf, ±10%, 500 wv	912 0543 00
C-105	V-21 cathode bypass	CAPACITOR: ceramic; .01 mf, +100-20%, 500 wv	913 3013 00
C-106	V-21 screen bypass	CAPACITOR: ceramic; .01 mf, +100-20%, 500 wv	913 3013 00
C-107	V-21 plate decoupling	CAPACITOR: ceramic; .01 mf, +100-20%, 500 wv	913 3013 00
C-108	V-16 cathode filter	CAPACITOR: paper; .1 mf, ±10%, 400 wv	931 0299 00
C-109	T-4 secondary tuning	CAPACITOR: mica; 510 mmf, ±5%, 300 wv	912 0545 00
C-110	V-16 cathode filter	CAPACITOR: mica; 330 mmf, ±5%, 500 wv	912 0530 00
C-111	V-16 plate bypass	CAPACITOR: paper; .1 mf, ±10%, 400 wv	931 0299 00
C-112	AVC time constant	CAPACITOR: paper; .1 mf, ±10%, 400 wv	931 0299 00
C-113	Bias supply filter	CAPACITOR: electrolytic; 50 mf, +100-10%, 150 wv	183 1045 00
C-114	V-9 cathode	CAPACITOR: ceramic; .01 mf, +100-20%, 500 wv	913 3013 00
C-115	Bias bypass	CAPACITOR: paper; .1 mf, ±10%, 400 wv	931 0299 00
C-116	V-18 anode bypass	CAPACITOR: paper; .1 mf, ±10%, 400 wv	931 0299 00
C-117	BFO tuning	CAPACITOR, variable: air; 23.7 mmf	922 0353 00
C-118	Trimmer for BFO	CAPACITOR, variable: air; 6-75 mmf	922 4200 00
C-119	Padder for BFO	CAPACITOR: mica; 1600 mmf, ±1%, 500 wv	912 1729 00
C-120	Padder for BFO	(p/o L-31)	
C-121	V-20 grid blocking	CAPACITOR: mica; 100 mmf, ±10%, 500 wv	912 0495 00
C-122	V-20 plate decoupling	CAPACITOR: ceramic; .01 mf, +100-20%, 500 wv	913 3013 00

TABLE 6-1 (Cont)

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
C-123	V-20 screen bypass	CAPACITOR: ceramic; .01 mf, +100-20% 500 wv	913 3013 00
C-124	B+ bypass	CAPACITOR: paper; .5 mmf, +20%, -10% 200 wv	931 0169 00
C-125	T-4 primary tuning	CAPACITOR: 500 mmf, part of T-4	
C-126	115-V line bypass	CAPACITOR: ceramic; .01 mf, +100-20% 500 wv	913 3013 00
C-127	115-V line bypass	CAPACITOR: ceramic; .01 mf, +100-20% 500 wv	913 3013 00
C-128	V-20 feedback	CAPACITOR: ceramic; 4 mmf, $\pm 1/2$ mmf, 500 wv	916 0114 00
C-130	Mech. filter primary tuning	CAPACITOR: mica; 100 mmf, $\pm 2\%$ , 500 wv	912 0493 00
C-131	Mech. filter secondary tuning	CAPACITOR: mica; 100 mmf, $\pm 2\%$ , 500 wv	912 0493 00
C-132	Mech. filter primary tuning	CAPACITOR: mica; 100 mmf, $\pm 2\%$ , 500 wv	912 0493 00
C-133	Mech. filter secondary tuning	CAPACITOR: mica; 100 mmf, $\pm 2\%$ , 500 wv	912 0493 00
C-134		Not Used	
C-135		(p/o L-31)	
C-136		(p/o L-31)	
C-137	Bias supply filter	CAPACITOR: electrolytic; 50 mf, +100%, -10%, 150 wv	183 1045 00
C-138	Padder for C-31	CAPACITOR: mica; 10 mmf, $\pm 5\%$ , 500 wv	912 0431 00
C-139	V-8 grid shunt	CAPACITOR: mica; 56 mmf, $\pm 5\%$ , 500 wv	912 0476 00
C-140	Tweet trap tuning	CAPACITOR: ceramic; 18 mmf, $\pm 5\%$ , 500 wv	916 4184 00
C-141	Muting circuit bypass	CAPACITOR: ceramic; .01 mf, +100-20%, 500 wv	913 3013 00
C-142	Pad for C-8	CAPACITOR: mica; 27 mmf; $\pm 5\%$ ; 500 wv	912 0452 00
C-143	Pad for C-23	CAPACITOR: mica; 27 mmf; $\pm 5\%$ , 500 wv	912 0452 00
C-144	V-5 plate blocking	CAPACITOR: ceramic; .001 mf, +100-20%, 500 wv	913 1186 00
C-145	L-32 Resonating	CAPACITOR: mica; 62 mmf; $\pm 2\%$ , 500 wv	912 0478 00
C-146	Filter	CAPACITOR: paper, .1 mf; $\pm 10\%$ , 4 wv	931 0299 00
C-147	V-12 Cathode bypass	CAPACITOR: mica; 510 mmf; $\pm 5\%$ , 300 wv	912 0545 00
C-148	V-12 Plate bypass	CAPACITOR: mica; 510 mmf; $\pm 5\%$ , 300 wv	912 0545 00

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TABLE 6-1 (Cont)

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
E-1	Antenna input connector	STRIP: terminal; 3 screw term on bakelite board	306 0033 00
E-2	V-2 grid suppressor	PARASITIC SUPPRESSOR: 47 ohm; #24 bus wire	504 7064 00
E-3	Muting-standby connector	STRIP: terminal; 4 screw term on bakelite board	306 0034 00
E-4	Audio output connector	STRIP: terminal; 4 screw term on bakelite board	306 0034 00
F-1	Primary fuse	FUSE: cartridge; 2 amp, 125 v Slo-Blo 3AG	264 0297 00
I-1	Meter lamp	LAMP: part of M-1	
I-2	KILOCYCLE dial bulb	LAMP: pilot light bulb w/ miniature bayonet base	262 3240 00
I-3	Megacycle dial bulb	LAMP: pilot light bulb w/ miniature bayonet base	262 3240 00
I-4	Megacycle dial bulb	LAMP: pilot light bulb w/ miniature bayonet base	262 3240 00
J-1	Antenna Coaxial input	CONNECTOR, receptacle: single round female contact	357 9183 00
J-2	Headphone connector	JACK: phone; 2 circuit for 1/4" diam plug	360 0025 00
J-3	Diode load test	CONNECTOR, receptacle: single round female contact	360 0062 00
J-4	AVC test	CONNECTOR, receptacle: single round female contact	360 0064 00
L-1	40 meter RF	COIL, RF: single wnd, single layer wnd, 18 turns #28 AWG DS wire	504 7000 001
L-2	20 meter RF	COIL, RF: single wnd, single layer wnd, 9 turns #28 AWG DS wire	504 6999 001
L-3	15 meter RF	COIL, RF: single wnd, single layer wnd, 7 turns #28 AWG DS wire	504 6997 001
L-6	80 meter mixer	COIL, RF: single wnd, single layer wnd, 16 turns #26 AWG DS wire	504 7037 002
L-7	40 meter mixer	COIL, RF: single wnd, single layer wnd, 18 turns #28 AWG DS wire	504 7000 001
L-8	20 meter mixer	COIL, RF: single wnd, single layer wnd, 9 turns #28 AWG DS wire	504 6999 001
L-9	15 meter mixer	COIL, RF: single wnd, single layer wnd, 7 turns #28 AWG DS wire	504 6997 001
L-10	11-10-10 meter mixer	COIL, RF: single layer wnd, 6 turns @19 turns per inch	540 4608 00



TABLE 6-1 (Cont.)

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
L-11	10 meter crystal (high freq.)	COIL, RF: 23, 31, 33 mc; single wnd, single layer wnd, 5 turns #28 AWG DS wire	504 7001 001
L-12	80 meter crystal	COIL, RF: 5.7 mc, single wnd, single layer wnd, 16 turns #28 AWG E wire	504 7004 001
L-13	40 meter crystal	COIL, RF: single wnd, single layer wnd, 12 turns #28 AWG DS wire	504 6998 001
L-14	20 meter crystal	COIL, RF: single wnd, single layer wnd, 7 turns #28 AWG DS wire	504 6997 001
L-15	15 meter crystal	COIL, RF: 23, 31, 33 mc; single wnd, single layer wnd, 5 turns #28 AWG DS wire	504 7001 001
L-16	11 meter crystal	COIL, RF: 23, 31, 33 mc; single wnd, single layer wnd, 5 turns #28 AWG DS wire	504 7001 001
L-17	10 meter crystal (low)	COIL, RF: 23, 31, 33 mc; single wnd, single layer wnd, 5 turns #28 AWG DS wire	504 7001 001
L-18	Variable IF. primary	COIL, RF: 1.5-2.5 mc, single wnd, single layer wnd, 52 turns #32 AWG E wire	504 7005 001
L-20	Tweet trap inductor	COIL, RF: single wnd, 3 pie universal wnd, 500 uh p/m 10%, at 1000 kc	240 0073 00
L-22	Variable IF. secondary	COIL, RF: 1.5-2.5 mc, single wnd, single layer wnd, 52 turns #32 AWG E wire	504 7005 001
L-23	5.7 mc tweet trap	COIL, RF: single pie, duo lat wnd, 124 turns litz wire	540 7017 002
L-24	V-16 plate	COIL, RF: 2 mh	240 0084 00
L-25	V-7 plate choke	COIL, RF: 2 mh	240 0084 00
L-26	Bridge T filter coil	COIL, IF. and Audio Assy.	540 4635 00
L-27	V-8 plate coil	COIL, RF: crystal filter grid; freq. range 440-470 kc (incl. C-60, C-80)	278 0085 00
L-28	V-11 detector output filter	COIL, RF: 2 mh	240 0084 00
L-29	Power supply filter	REACTOR: filter; 3.0 hy at 0.120 amp	668 0020 00
L-30	Power supply filter	REACTOR: filter; 5.0 hy at 0.080 amp	668 0019 00
L-31	BFO coil	COIL, RF: 70 turns (incl C-120, C-135, C-136)	540 3785 00
L-32	V-5 plate load	COIL, RF: 2 mh	240 0084 00

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ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
M-1	"S" meter	METER: single level; 1 ma DC, 50 ohm $\pm 20\%$ , DC resistance, illuminated dial (incl. I-1)	458 0044 00
P-1	Antenna coaxial	CONNECTOR: male coax, UG-88/U	357 9018 00
P-2	Power connector	CONNECTOR: two conductor flexible AC cord	426 1003 00
R-1	V-1 grid	RESISTOR: 680,000 ohm $\pm 10\%$ , 1/2 w	745 1471 00
R-2	V-1 cathode	RESISTOR: 4,700 ohm $\pm 10\%$ , 1/2 w	745 1380 00
R-3	V-1 screen	RESISTOR: 100,000 ohm $\pm 10\%$ , 1/2 w	745 1436 00
R-4	V-1 plate	RESISTOR: 220,000 ohm $\pm 10\%$ , 1/2 w	745 1450 00
R-5	V-1 plate decoupling	RESISTOR: 10,000 ohm $\pm 10\%$ , 1/2 w	745 1394 00
R-6	L-6 series	RESISTOR: 4,700 ohm $\pm 10\%$ , 1/2 w	745 1380 00
R-7	V-2 grid	RESISTOR: 1.0 megohm $\pm 10\%$ , 1/2 w	745 1478 00
R-8	V-2 grid decoupling	RESISTOR: 100,000 ohm $\pm 10\%$ , 1/2 w	745 1436 00
R-9	V-6 cathode	RESISTOR: 2,500 ohms $\pm 20\%$ , 1/4 w	376 4205 00
R-10	V-2 plate series	RESISTOR: 47 ohm $\pm 10\%$ , 1/2 w	745 1296 00
R-11	V-2 screen	RESISTOR: 33,000 ohm $\pm 10\%$ , 1/2 w	745 1415 00
R-12	V-2 plate decoupling	RESISTOR: 2,200 ohm $\pm 10\%$ , 1/2 w	745 1366 00
R-13	V-3 grid	RESISTOR: 470,000 ohm $\pm 10\%$ , 1/2 w	745 1464 00
R-14	V-3 cathode	RESISTOR: 120 ohm $\pm 10\%$ , 1/2 w	745 1314 00
R-15	V-3 screen	RESISTOR: 4,700 ohm $\pm 10\%$ , 2 w	745 5680 00
R-16	V-3 injection grid	RESISTOR: 22,000 ohm $\pm 10\%$ , 1/2 w	745 1408 00
R-17	V-4 cathode	RESISTOR: 330 ohm $\pm 10\%$ , 1/2 w	745 1331 00
R-18	V-4 cathode	RESISTOR: 330 ohm $\pm 10\%$ , 1/2 w	745 1331 00
R-19	V-4 plate series	RESISTOR: 47 ohm $\pm 10\%$ , 1/2 w	745 1296 00
R-20	V-4 grid	RESISTOR: 10,000 ohm $\pm 10\%$ , 1/2 w	745 1394 00
R-21	V-4 plate decoupling	RESISTOR: 2200 ohm $\pm 10\%$ , 1/2 w	745 1366 00

TABLE 6-1 (Cont.)

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
R-22	V-3 plate decoupling	RESISTOR: 2200 ohm $\pm 10\%$ , 1/2 w	745 1366 00
R-23	V-5 grid	RESISTOR: 100,000 ohm $\pm 10\%$ , 1/2 w	745 1436 00
R-24	V-5 cathode	RESISTOR: 68 ohm $\pm 10\%$ , 1/2 w	745 1303 00
R-25	V-5 screen	RESISTOR: 8200 ohm $\pm 10\%$ , 2 w	745 5691 00
R-26	V-5 plate decoupling	RESISTOR: 2200 ohm $\pm 10\%$ , 1/2 w	745 1366 00
R-27	V-6 grid decoupling	RESISTOR: 3.3 megohm $\pm 10\%$ , 1/2 w	745 1499 00
R-28	V-6 "S" meter dropping	RESISTOR: 68,000 ohm $\pm 10\%$ , 1/2 w	745 1429 00
R-29	L-24 shunt	RESISTOR: 15,000 ohm $\pm 10\%$ , 1/2 w	745 1401 00
R-30	V-6 screen	RESISTOR: 47,000 ohm $\pm 10\%$ , 1/2 w	745 1422 00
R-31	V-6 plate decoupling	RESISTOR: 2200 ohms $\pm 10\%$ , 1/2 w	745 1366 00
R-32	V-7 cathode	RESISTOR: 680 ohm $\pm 10\%$ , 1/2 w	745 1345 00
R-33	V-7 plate dropping	RESISTOR: 2200 ohm $\pm 10\%$ , 1/2 w	745 1366 00
R-34	V-7 plate load	RESISTOR: 330,000 ohm $\pm 10\%$ , 1/2 w	745 1457 00
R-35	Bridge T adjustor series	RESISTOR: 30,000 ohm $\pm 1\%$ , 1/2 w	705 2166 00
R-36	Bridge T regeneration adjuster	RESISTOR: 10,000 ohm $\pm 20\%$ , 1/4 w	376 4207 00
R-37	V-8 grid	RESISTOR: 1.0 megohm $\pm 10\%$ , 1/2 w	745 1478 00
R-38	V-8 grid decoupling	RESISTOR: 22,000 ohm $\pm 10\%$ , 1/2 w	745 1408 00
R-39	"S" meter bridge	RESISTOR: 150 ohm $\pm 10\%$ , 1/2 w	745 1317 00
R-41	"S" meter SENS adjust	RESISTOR: 500 ohm $\pm 10\%$ , 2 w, wire wound	750 8081 00
R-43	"S" meter zero	RESISTOR: 500 ohm $\pm 10\%$ , 2 w, wire wound	750 8081 00
R-44	V-8 "S" meter dropping	RESISTOR: 68,000 ohm $\pm 10\%$ , 1/2 w	745 1429 00
R-45	V-8 screen	RESISTOR: 47,000 ohm $\pm 10\%$ , 1/2 w	745 1422 00
R-46	L-27 shunt	RESISTOR: 22,000 ohm $\pm 10\%$ , 1/2 w	745 1408 00
R-47	V-8 plate decoupling	RESISTOR: 220 ohm $\pm 10\%$ , 1/2 w	745 1366 00

\*Some Receivers may have a 1000-ohm potentiometer with a fixed 1000 ohm resistor in shunt. Use the 500-ohm potentiometer here listed for replacement purposes without the 1000 ohm shunt resistor.

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TABLE 6-1 (Cont.)

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
R-48	V-9 grid	RESISTOR: 3.3 megohm $\pm 10\%$ , 1/2 w	745 1499 00
R-49	V-9 grid decoupling	RESISTOR: 22,000 ohm $\pm 10\%$ , 1/2 w	745 1408 00
R-50	T-3 primary shunt	RESISTOR: 4700 ohm $\pm 10\%$ , 1/2 w	745 1422 00
R-51	V-9 screen	RESISTOR: 4700 ohm $\pm 10\%$ , 1/2 w	745 1422 00
R-52	V-9 plate decoupling	RESISTOR: 2200 ohm $\pm 10\%$ , 1/2 w	745 1366 00
R-53	V-9 grid bleeder	RESISTOR: 68,000 ohm $\pm 10\%$ , 1/2 w	745 1429 00
R-54	V-11 grid	RESISTOR: 100,000 ohm $\pm 10\%$ , 1/2 w	745 1436 00
R-55	V-9 cathode	RESISTOR: 150 ohm $\pm 10\%$ , 1/2 w	745 1317 00
R-56	V-10A diode load	RESISTOR: 22,000 ohm $\pm 10\%$ , 1/2 w	745 1408 00
R-57	V-10A diode load	RESISTOR: 4700 ohm $\pm 10\%$ , 1/2 w	745 1422 00
R-58	V-11 cathode	RESISTOR: 820 ohm $\pm 10\%$ , 1/2 w	745 1349 00
R-59	V-11 grid	RESISTOR: 100,000 ohm $\pm 10\%$ , 1/2 w	745 1436 00
R-60	V-11 plate load	RESISTOR: 47,000 ohm $\pm 10\%$ , 1/2 w	745 1422 00
R-61	V-11 plate decoupling	RESISTOR: 15,000 ohm $\pm 10\%$ , 1/2 w	745 1401 00
R-62	AF gain control	RESISTOR: 500,000 ohm $\pm 20\%$ , 1/4 w	376 4499 00
R-63	V-12 plate load	RESISTOR: 470,000 ohm $\pm 10\%$ , 1/2 w	745 1464 00
R-64	V-12 plate dropping	RESISTOR: 680,000 ohm $\pm 10\%$ , 1/2 w	745 1471 00
R-65	V-12 cathode	RESISTOR: 220,000 ohm $\pm 10\%$ , 1/2 w	745 1450 00
R-66	V-12 cathode	RESISTOR: 47,000 ohm $\pm 10\%$ , 1/2 w	745 1422 00
R-67	Noise limiter adjust	RESISTOR: 500,000 ohm $\pm 20\%$ , 1/2 w (Incl. S-4)	376 5701 00
R-68	V-12 plate load	RESISTOR: 220,000 ohm $\pm 10\%$ , 1/2 w	745 1450 00
R-69	V-13 cathode	RESISTOR: 3300 ohm $\pm 10\%$ , 1/2 w	745 1373 00
R-70	V-9 grid bleeder	RESISTOR: 470,000 ohm $\pm 10\%$ , 1/2 w	745 1464 00
R-71	V-9 feedback	RESISTOR: 33,000 ohm $\pm 10\%$ , 1/2 w	745 1415 00
R-72	V-13 plate load	RESISTOR: 270,000 ohm $\pm 10\%$ , 1/2 w	745 1454 00

TABLE 6-1 (Cont.)

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
R-73	V-13 plate load	RESISTOR: 270,000 ohm $\pm 10\%$ , 1/2 w	745 1454 00
R-74	V-13 cathode	RESISTOR: 3300 ohm $\pm 10\%$ , 1/2 w	745 1373 00
R-75	V-13 grid	RESISTOR: 470,000 ohm $\pm 10\%$ , 1/2 w	745 1464 00
R-76	V-22 grid	RESISTOR: 100,000 ohm $\pm 10\%$ , 1/2 w	745 1436 00
R-77	V-22 grid bias series	RESISTOR: 180,000 ohm $\pm 10\%$ , 1/2 w	745 1447 00
R-78	Audio load	RESISTOR: 10 ohm $\pm 10\%$ , 2 w	745 9013 00
R-81	V-21 grid	RESISTOR: 1.0 megohm $\pm 10\%$ , 1/2 w	745 1478 00
R-82	V-21 cathode	RESISTOR: 150 ohm $\pm 10\%$ , 1/2 w	745 1317 00
R-83	V-21 screen	RESISTOR: 47,000 ohm $\pm 10\%$ , 1/2 w	745 1422 00
R-84	V-21 plate decoupling	RESISTOR: 2200 ohm $\pm 10\%$ , 1/2 w	745 1366 00
R-85	T-4 primary shunt	RESISTOR: 47,000 ohm $\pm 10\%$ , 1/2 w	745 1422 00
R-86	V-16 diode load	RESISTOR: 39,000 ohm $\pm 10\%$ , 1 w	745 3419 00
R-87	V-16 diode load	RESISTOR: 3300 ohm $\pm 10\%$ , 1/2 w	745 1373 00
R-88	V-16 plate load	RESISTOR: 2.2 megohm $\pm 10\%$ , 1/2 w	745 1492 00
R-89	V-16 diode load	RESISTOR: 10,000 ohm $\pm 10\%$ , 1/2 w	745 1394 00
R-90	AVC time constant	RESISTOR: 2200 ohm $\pm 10\%$ , 1/2 w	745 1366 00
R-91	AVC time constant "fast"	RESISTOR: 330,000 ohm $\pm 10\%$ , 1/2 w	745 1457 00
R-92	AVC time constant "slow"	RESISTOR: 3.3 megohm $\pm 10\%$ , 1/2 w	745 1499 00
R-93	RF gain bleeder	RESISTOR: 330,000 ohm $\pm 10\%$ , 1/2 w	745 1457 00
R-94	Voltage regulator dropping	RESISTOR: 2500 ohm $\pm 10\%$ , 10 w	710 0030 00
R-95	V-19 plate series	RESISTOR: 1000 ohm $\pm 10\%$ , 1/2 w	745 1352 00
R-96	Bias rectifier filter	RESISTOR: 4700 ohm $\pm 10\%$ , 1/2 w	745 1380 00
R-97	Bias rectifier filter	RESISTOR: 15,000 ohm $\pm 10\%$ , 1/2 w	745 1401 00
R-98	Standby bias divider	RESISTOR: 22,000 ohm $\pm 10\%$ , 1/2 w	745 1408 00
R-99	RF gain control	RESISTOR: 10,000 ohm $\pm 20\%$ , 1/2 w	376 3522 00
R-100	V-20 plate decoupling	RESISTOR: 2200 ohm $\pm 10\%$ , 1/2 w	745 1366 00

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TABLE 6-1 (Cont)

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
R-101	V-20 grid	RESISTOR: 150,000 ohm $\pm 10\%$ , 1/2 w	745 1443 00
R-102	V-20 plate	RESISTOR: 100,000 ohm $\pm 10\%$ , 1/2 w	745 1436 00
R-103	V-20 screen	RESISTOR: 150,000 ohm $\pm 10\%$ , 1/2 w	745 1443 00
R-104	RF gain series	RESISTOR: 270 ohm $\pm 10\%$ , 1/2 w	745 1328 00
R-105	V-7 grid	RESISTOR: 100,000 ohm $\pm 10\%$ , 1/2 w	745 1436 00
R-106	V-20 B+ divider	RESISTOR: 10,000 ohm $\pm 10\%$ , 1/2 w	745 1394 00
R-107	V-12 filament dropping	RESISTOR: 10 ohm $\pm 10\%$ , 2 w	745 5568 00
R-108	AVC bleeder	Deleted	
R-109	Audio Feedback	RESISTOR: 390,000 ohm $\pm 10\%$ , 1/2 w	745 1461 00
R-110	V-7 grid	RESISTOR: 47 ohm $\pm 10\%$ , 1/2 w	745 1296 00
R-111	V-20 grid series	RESISTOR: 47 ohm $\pm 10\%$ , 1/2 w	745 1296 00
R-112	V-22 screen	RESISTOR: 3300 ohm $\pm 10\%$ , 1 w	745 3373 00
R-113	V-7 Parasitic suppressor	RESISTOR: 120 ohm $\pm 10\%$ , 1/2 w	745 1314 00
R-114	V-5 Parasitic suppressor	RESISTOR: 47 ohm $\pm 10\%$ , 1/2 w	745 1296 00
R-115	Limiter bias bleeder	RESISTOR: 1200 ohm $\pm 10\%$ , 1/2 w	745 1356 00
R-116	Limiter bias series	RESISTOR: 100,000 ohm $\pm 10\%$ , 1 w	745 3436 00
R-117	Filter	RESISTOR: 47,000 ohm $\pm 10\%$ , 1/2 w	745 1422 00
R-118	NL Feedback	RESISTOR: 6800 ohm $\pm 10\%$ , 1/2 w	745 1387 00
R-130	IF GAIN divider	RESISTOR: 56K $\pm 10\%$ , 2 w	745 5726 00
R-131	AVC diode load	RESISTOR: 330K $\pm 10\%$ , 1/2 w	745 1457 00
S-1A	Band switch, ant coil sel.	SWITCH SECTION, rotary: 2 circuit, 12 position, shorting	269 1689 00
S-1B	Band switch, RF coil sel.	SWITCH SECTION , rotary: 2 circuit, 12 position, shorting	269 1690 00
S-1C	Band switch, mixer coil sel.	SWITCH SECTION, rotary: 2 circuit, 12 position, shorting	269 1690 00
S-1D	Band switch, crystal sel.	SWITCH SECTION, rotary: 1 circuit, 12 position, shorting	269 1688 00
S-1E	Band switch, crystal coil sel.	SWITCH SECTION, rotary: 1 circuit, 12 position, shorting	269 1688 00
S-1F	Band switch, 10-10-11 meter padder selector	SWITCH SECTION, rotary: 1 circuit, 12 position, shorting	269 1691 00
S-2	S-2A, S-2B	SWITCH, rotary: detent, 3 position 30° angle of detent	269 1435 00

TABLE 6-1 (Cont)

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
S-2A	Mechanical filter primary selector	SWITCH SECTION, rotary: 1 circuit, 12 position, shorting	269 1666 00
S-2B	Mechanical filter secondary selector	SWITCH SECTION, rotary: 1 circuit, 12 position, shorting	269 1667 00
S-3	AM-CW-SSB selector switch	SWITCH, rotary: 4 circuit, 2 position, non-shorting	259 0655 00
S-4	Noise limiter on-off	SWITCH: part of R-67	
S-5	AVC selector switch	SWITCH, rotary: 2 circuit, 3 position, non-shorting	259 0417 00
S-6	OFF-STANDBY-ON-CAL selector switch	SWITCH, rotary: 3 circuit, 4 position, positive shorting	259 0656 00
T-1	160 meter RF coil	COIL, RF: two wnd, single layer wnd, one wnd, w/51 turns, other wnd w/4 turns	504 7038 002
T-2	80 meter RF coil	COIL, RF: two wnd, single layer wnd, one wnd, w/16 turns, other wnd w/3 turns	504 7039 002
T-3	455 KC IF. coil	TRANSFORMER: intermediate freq. 455; freq. range 440-470 KC (incl. C-85)	278 0197 00
T-4	AVC 455 KC IF. coil	TRANSFORMER: intermediate freq. 455; freq. range 440-470 KC	278 0197 00
T-5	Audio output transformer	TRANSFORMER: audio output; pri 5000 ohm; secd 500 ohm tapped at 4 ohm, 2500 TV	667 0018 00
T-6	Power transformer	TRANSFORMER, power: pri 115 v, secd #1; 100 v CT, secd #2; 5.0 v secd #3; 6.3 v 1500 TV, 50/60 cps	662 0145 00
T-7	11-10-10 meter RF coil	COIL ASSY: 6 turns @ 19 turns per inch	540 4609 00
V-1	Calibrator	TUBE: type 6BA6; pentode	255 0185 00
V-2	RF amplifier	TUBE: type 6DC6; pentode	255 0226 00
V-3	First mixer	TUBE: type 6BA7; pentagrid	255 0209 00
V-4	HF crystal osc.	TUBE: type 12AT7; double triode	255 0205 00
V-5	Second mixer	TUBE: type 6BA7; pentagrid	255 0209 00
V-6	Mechanical filter 455 IF. amplifier	TUBE: type 6BA6; pentode	255 0185 00
V-7	"Q" multiplier	TUBE: type 12AX7; double triode	255 0201 00

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TABLE 6-1 (Cont.)

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
V-8	455 KC IF. amplifier	TUBE: type 6BA6; pentode	255 0185 00
V-9	455 KC IF. amplifier	TUBE: type 6BA6; pentode	255 0185 00
V-10	AM detector muting diode	TUBE: type 6AL5; double diode	257 0018 00
V-11	CW-SSB detector	TUBE: type 12AU7; twin triode	255 0199 00
V-12	Noise limiter	TUBE: type 6AL5; double diode	257 0018 00
V-13	Audio amplifier	TUBE: type 12AT7; double triode	255 0205 00
V-14	VFO oscillator	TUBE: type 6BA6; pentode	255 0250 00
V-15	VFO amplifier	TUBE: type 6BA6; pentode	255 0250 00
V-16	AVC Det-noise clipper	TUBE: type 6AL5; double diode	257 0018 00
V-17	Power rectifier	TUBE: type 5Y3GT; full wave rectifier	255 0157 00
V-18	Voltage regulator	TUBE: type OA2	257 0052 00
V-19	RF gain gate - Bias rectifier	TUBE: type 6AL5; double diode	257 0018 00
V-20	BFO	TUBE: type 6BA6; pentode	255 0185 00
V-21	AVC amplifier	TUBE: type 6BA6; pentode	255 0185 00
V-22	Audio output	TUBE: type 6AQ5; beam pentode	255 0195 00
XF-1	Holder for F-1	FUSE HOLDER: extractor post for 3AG fuse	265 1002 00
XFL-1	Socket for Mechanical filter	SOCKET, tube: 9 contact miniature	220 1216 00
XFL-2	Socket for Mechanical filter	SOCKET, tube: 9 contact miniature	220 1216 00
XFL-3	Socket for Mechanical filter	SOCKET, tube: 9 contact miniature	220 1216 00
XI-3	Socket for I-3	LAMP HOLDER: bracket for miniature bayonet base bulb	262 1210 00
XI-4	Socket for I-4	LAMP HOLDER: bracket for miniature bayonet base bulb	262 1210 00
XV-1	Socket for V-1	SOCKET, tube: 7 contact miniature	220 1034 00
XV-2	Socket for V-2	SOCKET, tube: 7 contact miniature	220 1034 00
XV-3	Socket for V-3	SOCKET, tube: 9 contact miniature	220 1062 00
XV-4	Socket for V-4	SOCKET, tube: 9 contact miniature	220 1062 00



TABLE 6-1 (Cont.)

ITEM	CIRCUIT FUNCTION	DESCRIPTION	COLLINS PART NUMBER
XV-5	Socket for V-5	SOCKET, tube: 9 contact miniature	220 1062 00
XV-6	Socket for V-6	SOCKET, tube: 7 contact miniature	220 1034 00
XV-7	Socket for V-7	SOCKET, tube: 9 contact miniature	220 1062 00
XV-8, XV-9, XV-10	Socket for V-8, V-9, V-10	SOCKET, tube: 7 contact miniature	220 1034 00
XV-11	Socket for V-11	SOCKET, tube: 9 contact miniature	220 1062 00
XV-12	Socket for V-12	SOCKET, tube: 7 contact miniature	220 1034 00
XV-13	Socket for V-13	SOCKET, tube: 9 contact miniature	220 1052 00
XV-16	Socket for V-16	SOCKET, tube: 7 contact miniature	220 1034 00
XV-17	Socket for V-17	SOCKET, tube: 8 contact miniature	220 1157 00
XV-18, XV-19	Socket for V-18, V-19	SOCKET, tube: 7 contact miniature	220 1046 00
XV-20 XV-21	Socket for V-20, V-21	SOCKET, tube: 7 contact miniature	220 1034 00
XV-22	Socket for V-22	SOCKET, tube: 7 contact miniature	220 1046 00
XY-1	Socket for Y-1	SOCKET, crystal: crystal holders with .094 dia. pins spaced 500	292 0055 00
Y-1	Calibrator crystal	CRYSTAL: 100 KC	291 5954 00
Y-2	80 meter crystal	CRYSTAL: 5.7 mc	291 8070 00
Y-3	40 meter crystal	CRYSTAL: 9.3 mc	291 8071 00
Y-4	20 meter crystal	CRYSTAL: 16.5 mc	291 8072 00
Y-5	15 meter crystal	CRYSTAL: 23.3 mc	291 8073 00
Y-6	11 meter crystal	CRYSTAL: 29 mc	291 8076 00
Y-7	10 meter crystal	CRYSTAL: 30.5 mc	291 8077 00
Y-8	10 meter crystal	CRYSTAL: 31.5 mc	291 8078 00
70E-24	OSCILLATOR (VFO)	This unit has been dehydrated and hermetically sealed, and should be returned to the Collins Radio Company if servicing is required.	
455 J-05 (500 cps) 455 J-31 (3.1 kc) 455 J-60 (6.0 kc)	MECHANICAL FILTER	This unit has been dehydrated and hermetically sealed, and should be returned to the Collins Radio Company if servicing is required.	526 9154 00 526 9089 00 526 9091 00
	VERNIER TUNING KNOB		541 6291 001

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