

PARTS LIST

399C-1 External VFO Unit

ITEM	DESCRIPTION	COLLINS PART NUMBER
70K-2 OSCILLATOR		522 1093 00
	70K-2 Oscillator consists of the following. This equipment should be returned to Collins Radio Company for repair.	
* C301	CAPACITOR, CERAMIC: 20 uuf ±5%, 500 vdcw	913 0053 00
* C301	CAPACITOR, CERAMIC: 20 uuf ±5%, 500 vdcw	913 0054 00
* C301	CAPACITOR, CERAMIC: 20 uuf ±5%, 500 vdcw	913 0055 00
* C301	CAPACITOR, CERAMIC: 20 uuf ±5%, 500 vdcw	913 0056 00
* C301	CAPACITOR, CERAMIC: 20 uuf ±5%, 500 vdcw	913 0057 00
* C301	CAPACITOR, CERAMIC: 20 uuf ±5%, 500 vdcw	913 0058 00
* C301	CAPACITOR, CERAMIC: 20 uuf ±5%, 500 vdcw	913 0232 00
* C301	CAPACITOR, CERAMIC: 20 uuf ±5%, 500 vdcw	913 0233 00
* C301	CAPACITOR, CERAMIC: 20 uuf ±5%, 500 vdcw	913 0234 00
C302	CAPACITOR, MICA: 1000 uuf ±2%, 500 vdcw	912 1737 00
C303	CAPACITOR, MICA: 3000 uuf ±1%, 500 vdcw	912 1748 00
C304	CAPACITOR, MICA: 470 uuf ±2%, 300 vdcw	912 0541 00
**C305	CAPACITOR, CERAMIC: 100 uuf ±2%, 500 vdcw	913 0074 00
**C305	CAPACITOR, CERAMIC: 100 uuf ±2%, 500 vdcw	913 0246 00
C306, C307, C309	CAPACITOR, CERAMIC: 0.02 uf +60% -40%, 250 vdcw	913 2097 00
C308	CAPACITOR, VARIABLE, CERAMIC: 5 uuf min to 37.5 uuf max, 350 vdcw	917 1073 00
CR301	SEMICONDUCTOR DEVICE, DIODE: germanium; Sylvania part no. 1N34A	353 0103 00
L301	COIL, RADIO FREQUENCY: 22 turns #28 AWG double formvar, 2.4 uh inductance	240 0652 00
L302	TRIMMER ASSEMBLY: 9 turns #28 AWG wire, 1 toroid coil and hardware	543 7323 00
L303	INDUCTOR, TUNING: 10 turns #30 AWG wire	543 7333 003
L304	COIL, RADIO FREQUENCY: single layer wound, magnet wire, 3.30 uh	240 0695 00
R301, R303	RESISTOR, COMPOSITION: 0.10 megohms ±10%, 1/2 w	745 1436 00
R302	RESISTOR, COMPOSITION: 82,000 ohms ±5%, 1/2 w	745 1432 00
T301	TRANSFORMER, RADIO FREQUENCY: pri 380 uh nom 790 kc; sec 2.7 uh nom., 2.6 mc	240 0665 00
* Chosen per operational requirement.		
** Selected in final test.		

ITEM	DESCRIPTION	COLLINS PART NUMBER
V301	ELECTRON TUBE: pentode; General Electric type 6AU6	255 0202 00
399C-1 EXTERNAL VFO		522 1597 00
J401	CONNECTOR, RECEPTACLE, ELECTRICAL: 11 pin male, phenolic insulation, 5 amp, straight shape	372 1757 00
J402	JACK, TIP: accommodates 1/8 in. plug; ceramic insulation, brass contacts	360 0088 00
LS401	LOUDSPEAKER, PERMANENT MAGNET: 4-9 w nominal power, 3-4 ohms; 5 in. by 7 in. overall	271 0215 00
R401	RESISTOR, FIXED, COMPOSITION: 15,000 ohms ±10%; 1 w	745 3401 00
R402	RESISTOR, FIXED, COMPOSITION: 33,000 ohms ±10%; 2 w	745 5715 00
S401	ROTARY, SWITCH: 3 circuit (3 pole), 3 position, 1 section; 3 moving and 12 fixed contacts	259 1108 00
	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL: 8 strands #36 AWG, 2 strands #31 AWG; 0.155 in. min od, 0.160 in. max od; 36 in. lg; terminated both ends in phono plug	426 2026 00
	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL: 8 strands #36 AWG, 2 strands #31 AWG; 0.155 in. min. od, 0.160 in. max od; terminated one end phone plug, other stripped and tinned	426 1808 00
CABLE ASSEMBLY		545 6105 00
P301	CONNECTOR, RECEPTACLE, ELECTRICAL: 11 female socket contacts	372 1759 00
P17	CONNECTOR, PLUG, ELECTRICAL: 9 male contacts; for u/w miniature tube socket	372 1822 00
	CAP, ELECTRICAL: steel, black Japan finish; 1-7/16 in. lg by 1-3/16 in. dia. o/a; snap-on type; metal clamp to accommodate 5/8 in. dia. cable	372 1762 00