

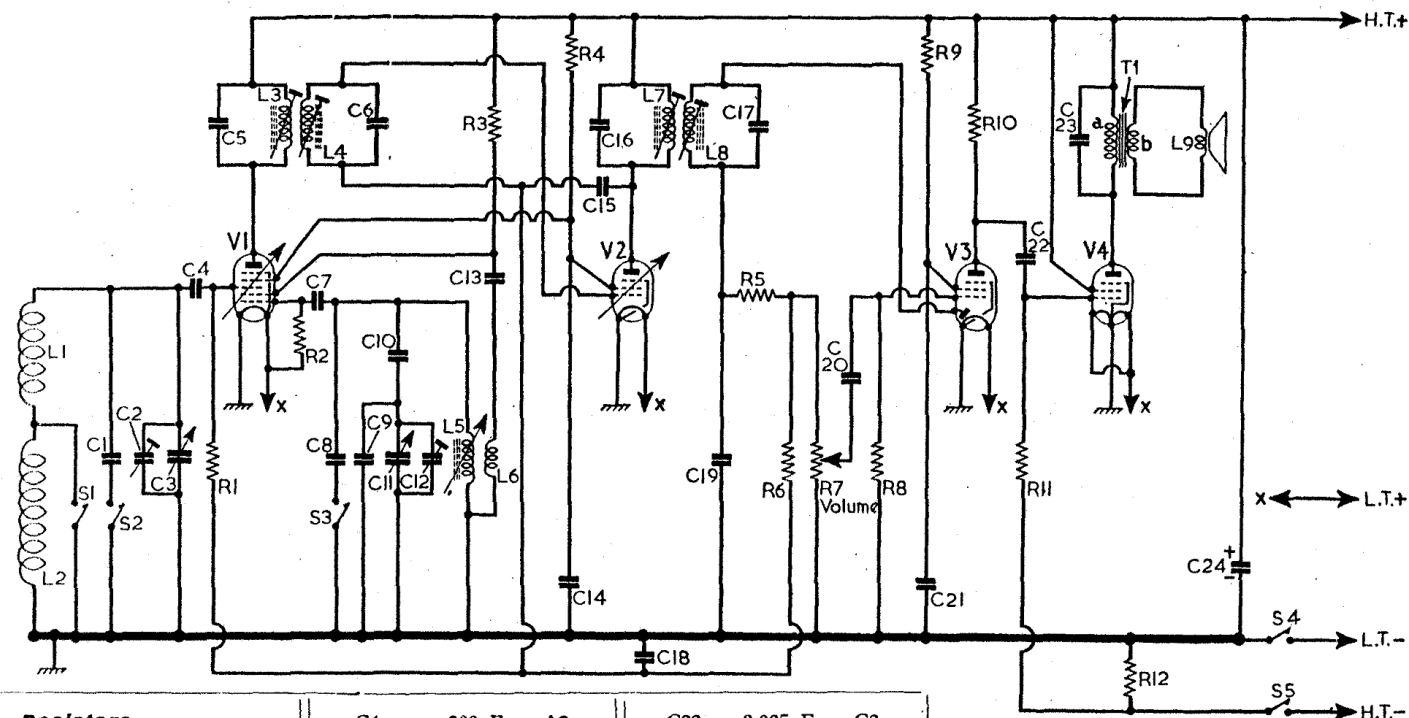
G.E.C. - BC1452

Valve	Anode		Screen	
	(V)	(mA)	(V)	(mA)
V1 X25 { mixer	85	0.31	74	0.08
V2 W25 { osc.	30	1.7	—	—
V3 ZD25 ..	85	1.5	74	0.55
V4 N25 ..	17	0.07	14	0.02
	81	4.7	85	0.9

Intermediate frequency 470 kc/s

Resistors								
R1	1MΩ	B2	C4	300pF	A2	C22	0.005μF	C2
R2	27kΩ	A2	C5	100pF	B2	C23	0.002μF	C2
R3	33kΩ	B2	C6	100pF	B2	C24	24μF	C1
R4	15kΩ	B2	C7	150pF	A2	Other Components*		
R5	68kΩ	B1	C8	505pF	B1			
R6	2.2kΩ	B1	C9	22pF	A2			
R7	1MΩ	C1	C10	570pF	A1			
R8	10MΩ	C2	C11	—	A1			
R9	3.3MΩ	C2	C12	—	A1			
R10	1MΩ	C2	C13	0.005μF	B2			
R11	1.5MΩ	C2	C14	0.04μF	A1			
R12	560Ω	C2	C15	5pF	B2			
Capacitors			C16	100pF	B2			
			C17	100pF	B2			
			C18	0.01μF	B2			
			C19	570pF	B2			
C1	150pF	B1	C20	0.04μF	C2			
C2	—	A2	C21	0.04μF	C2			
C3	—	A2						

*Approximate D.C. resistance in ohms.



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C2	—	A2	C21	0.04μF	C2			
C3	—	A2						

*Approximate D.C. resistance in ohms.

CIRCUIT ALIGNMENT

Equipment Required.—An accurately calibrated signal generator; an audio output meter; a 0.1μF isolating capacitor; a non-metallic trimming tool.

I.F. Stages

- 1.—Switch the receiver to L.W. and turn gang to minimum and volume control to maximum. Connect audio output meter across T1 secondary winding. Connect signal generator output via a 0.1μF isolating capacitor to C3 (A2) and chassis.
- 2.—Feed in a 470 kc/s signal and adjust L8 (B2), L7, L4 (B2) and L3 in that order for maximum output. Repeat these adjustments until no improvement in output can be obtained.

R.F. and Oscillator Stages

- 3.—Switch the receiver to M.W. and tune it to 500m. Feed in a 600 kc/s signal and adjust L5 (B1) for maximum reading on output meter.
- 4.—Tune the receiver to 200m, feed in a 1,500 kc/s signal and adjust C12 (A1) for maximum output.
- 5.—Loosely couple signal generator via a loop of wire to the frame aerial. Tune the receiver to 200m, feed in a 1,500 kc/s signal and adjust C2 (A2) for maximum output.
- 6.—Repeat operations 3, 4 and 5.