



Resistors.

R ₁	1M	$\frac{1}{2}$ W.	R ₆	6.8k	$\frac{1}{2}$ W.	R ₁₁	56k	$\frac{1}{2}$ W.	R ₁₆	100k	$\frac{1}{2}$ W.	R ₂₁	150k	$\frac{1}{2}$ W.
R ₂	100k	$\frac{1}{2}$ W.	R ₇	8.2k	$\frac{1}{2}$ W.	R ₁₂	470K	$\frac{1}{2}$ W.	R ₁₇	2.2k	$\frac{1}{2}$ W.	R ₂₂	220	$\frac{1}{2}$ W.
R ₃	68	$\frac{1}{2}$ W.	R ₈	22k	$\frac{1}{2}$ W.	R ₁₃	1M	Pot.	R ₁₈	330k	$\frac{1}{2}$ W.	R ₂₃	55k	Pot.
R ₄	470	$\frac{1}{2}$ W.	R ₉	47k	$\frac{1}{2}$ W.	R ₁₄	470k	$\frac{1}{2}$ W.	R ₁₉	680k	$\frac{1}{2}$ W.	R ₂₄	100	$\frac{1}{2}$ W.
R ₅	6.8k	$\frac{1}{2}$ W.	R ₁₀	1M	$\frac{1}{2}$ W.	R ₁₅	10k	$\frac{1}{2}$ W.	R ₂₀	100	$\frac{1}{2}$ W.			

G.E.C.**Model BC4855**

General Description : Five-valve (including rectifier), three-waveband superheterodyne table receiver. Released 1948.

Power Supply : A.C./D.C. mains, 200–250 volts (A.C. 25–100 c/s).

Wavebands : S.W. 16.5–50 m.; M.W. 192–550 m.; L.W. 1000–2000 m.

Intermediate Frequency : 456 kc/s.

Valves : Osram (V1) X61M; (V2) KTW61; (V3) DH63; (V4) KT33C; (V5) U31. Barretter Type 304.

Dial Lamps : Two 6.5 volts, 0.3 amp. Osram Type OS75.

Ext. Loudspeaker : Impedance 2–4 ohms.

Gram. P.U. : High-impedance, not switched.

Alignment Procedure : See page 251. Trimmer Lay-out is similar to that shown for Models BC.4850, BC.4850L.

<i>Circuit to be Aligned</i>	<i>Alignment Frequency</i>	<i>Trimmers to be Adjusted</i>	<i>Remarks</i>
I.F.	456 kc/s.	T12, T11 T10, T9	Tune to 150 kc/s. Input to V2 grid Tune to 150 kc/s. Input to V1 grid
S.W.	18.0 Mc/s.	T4, T1	Use lower capacity peak of T4
M.W.	1.4 Mc/s. 600 kc/s.	T5, T2 T8	Rock gang whilst adjusting T8 for maximum response
L.W.	1.4 Mc/s. 300 kc/s. 150 kc/s. 300 kc/s.	T5, T2 T6, T3 T7 T6, T3	Check Repeat sequence twice Rock gang whilst adjusting T7 for maximum response

Notes : Switches are shown as they appear when the Medium key is pressed, and are suffixed with the initials of their operating keys. Depression of any key causes all switches with the appropriate suffix to open if previously closed, and to close if previously open. All range keys switch on S9.

Early chassis did not have R25 in the anode circuit of V4, and the speech coil and speaker bowl were isolated from chassis by the omission of C35; such receivers should be modified to conform to the standard circuit.

Component Values:*Capacitors.*

C1 22 pF. 10%
C2 1000 pF. (750 v.)
C3 0.02 (750 v.)
C4 0.02 (750 v.)
C5 3000 pF. (750 v.)
C6 100 pF.
C7 0.05 (500 v.)
C8 39 pF. 10%
C9 100 pF.

C10 3950 pF. 4%
C11 5000 pF. (1000 v.)
C12 100 pF. 10%
C13 8 (450 v.)
C14 0.05 (500 v.)
C15 0.05 (500 v.)
C16 0.05 (500 v.)
C17 22 pF. 10%
C18 300 pF.

C19 0.01 (1000 v.)
C20 0.02 (750 v.)
C21 0.01 (1000 v.)
C22 1000 pF. (1000 v.)
C23 4 (450 v.)
C24 500 pF.
C25 25 (25 v.)
C26 0.02 (750 v.)
C27 200 pF.

C28 1500 pF. 15%
C29 0.01 (1000 v.)
C30 25 (25 v.)
C31 0.1 (500 v.)
C32 32 (350 v.)
C33 16 (450 v.)
C34 0.01 (1000 v.)
C35 1000 pF. (1000 v.)