

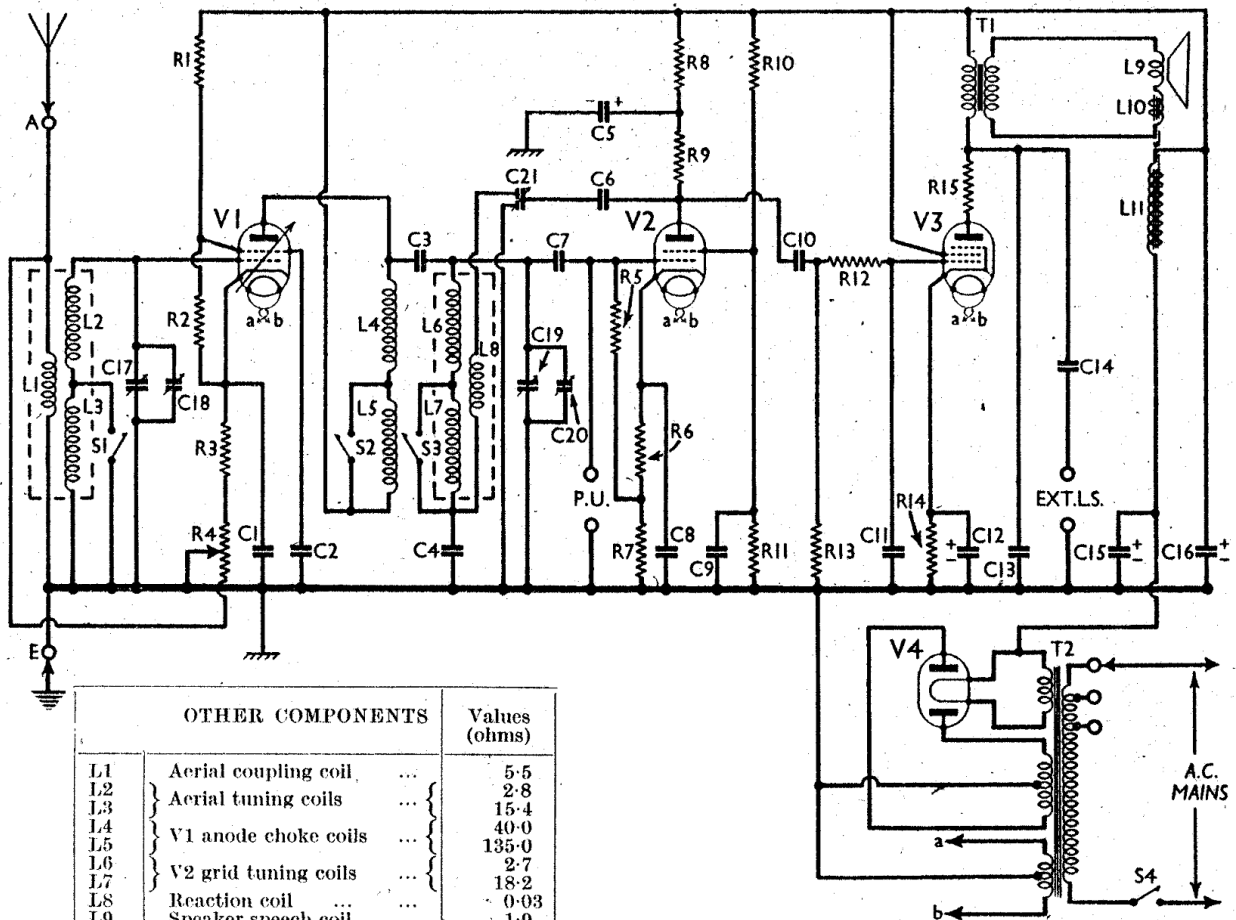
Valve	Anode Voltage (V)	Anode Current (mA)	Screen Voltage (V)	Screen Current (mA)
V1 VMS4	250	14.5	90	1.0
V2 MS4B	120	2.4	55	0.4
V3 N41	230	32.0	250	7.1
V4 U12	275†	—	—	—

† Each anode, A.C.

CONDENSERS		Values (μF)
C1	V1 cathode by-pass	0.25
C2	V1 SG decoupling	0.1
C3	RF coupling	0.000011
C4	Blocking condenser	0.05
C5*	V2 anode decoupling	3.0
C6	Reaction coupling	0.005
C7	V2 CG condenser	0.0005
C8	V2 cathode by-pass	0.5
C9	V2 SG decoupling	0.5
C10	AF coupling to V3	0.02
C11	V3 grid RF by-pass	0.0003
C12*	V3 cathode by-pass	50.0
C13	Tone corrector	0.005
C14	Ext. LS coupling	0.25
C15*	HT smoothing condensers	7.0
C16*		7.0
C17†	Aerial circuit tuning	—
C18†	Aerial circ. MW trimmer	—
C19†	RF trans. tuning	—
C20†	RF trans. MW trimmer	—
C21†	Differential reaction condenser	—

RESISTORS		Values (ohms)
R1	V1 SG pot. divider	50,000
R2		22,000
R3	V1 fixed GB resistor	200
R4	V1 gain control	7,000
R5	V2 grid leak	1,000,000
R6	V2 GB resistors	200
R7		200
R8	V2 anode decoupling	15,000
R9	V2 anode load	30,000
R10	V2 SG pot. divider	70,000
R11		30,000
R12	V3 grid RF stopper	55,000
R13	V3 CG resistor	220,000
R14	V3 GB resistor	100
R15	V3 anode stabiliser	100

* Electrolytic + Variable + Pro-set



OTHER COMPONENTS		Values (ohms)
L1	Aerial coupling coil	5.5
L2	Aerial tuning coils	2.8
L3		15.4
L4	V1 anode choke coils	40.0
L5		135.0
L6	V2 grid tuning coils	2.7
L7		18.2
L8	Reaction coil	0.03
L9	Speaker speech coil	1.9
L10	Hum neutralising coil	0.05
L11	Speaker field coil	1,400.0
T1	Speaker input	400.0
	trans. { Pri. ...	0.8
		41.0
T2	Mains { Heater sec. ...	0.08
		0.12
		540.0
S1-S3	Waveband switches	—
S4	Mains switch, ganged R4	—

CIRCUIT ALIGNMENT

With the gang at maximum, the pointer should coincide with the 550 m calibration mark on the scale. If necessary, the pointer should be adjusted by sliding its clip bodily round its spindle. Connect signal generator leads to **A** and **E** sockets, via a 0.0002 μF condenser.

MW.—Switch set to MW, tune to 225 m on scale, feed in a 225 m (1,333 kc/s) signal, and, with the volume control at maximum, adjust **C18** and **C20** for maximum output, manipulating the reaction control as required. Check calibration at 300 m (1,000 kc/s) and 500 m (600 kc/s).

LW.—There are no separate adjustments for the LW. band, but calibration and sensitivity should be checked at several points.