

BUSH - BP61

Valve	Anode (V)	Screen (V)	Grid (V)
V1 DK96 { mixer	78	72	—
V2 DF96 { osc.	28	—	—
V3 DAF96 ..	81	72	—
V4 DL96 ..	28	30	—
	80	82	-4.9*

* Measured across R14.

Resistors

R1	1MΩ	B1
R2	27kΩ	A2
R3	56kΩ	B1
R4	47kΩ	B2
R5	15kΩ	B2
R6	100kΩ	B1
R7	2.2MΩ	B1
R8	1MΩ	C1
R9	10MΩ	B2
R10	1.2MΩ	B2
R11	3.3MΩ	B2
R12	2.2MΩ	C2
R13	470kΩ	C2
R14	560Ω	C2

Capacitors

C1	160pF	B1
C2	—	A2
C3	100pF	A1

C4	100pF	B2
C5	100pF	B2
C6	15pF	B1
C7	556pF	A2
C8	160pF	B1
C9	26pF	A1
C10	—	A1
C11	610pF	A2
C12	270pF	A2
C13	0.04μF	B2
C14	100pF	B2
C15	100pF	B2
C16	100pF	B2
C17	0.04μF	B2
C18	100μF	C1
C19	0.002μF	C2
C20	0.01μF	C2
C21	0.01μF	C2
C22	0.001μF	C2
C23	0.25μF	A2
C24	8μF	C1

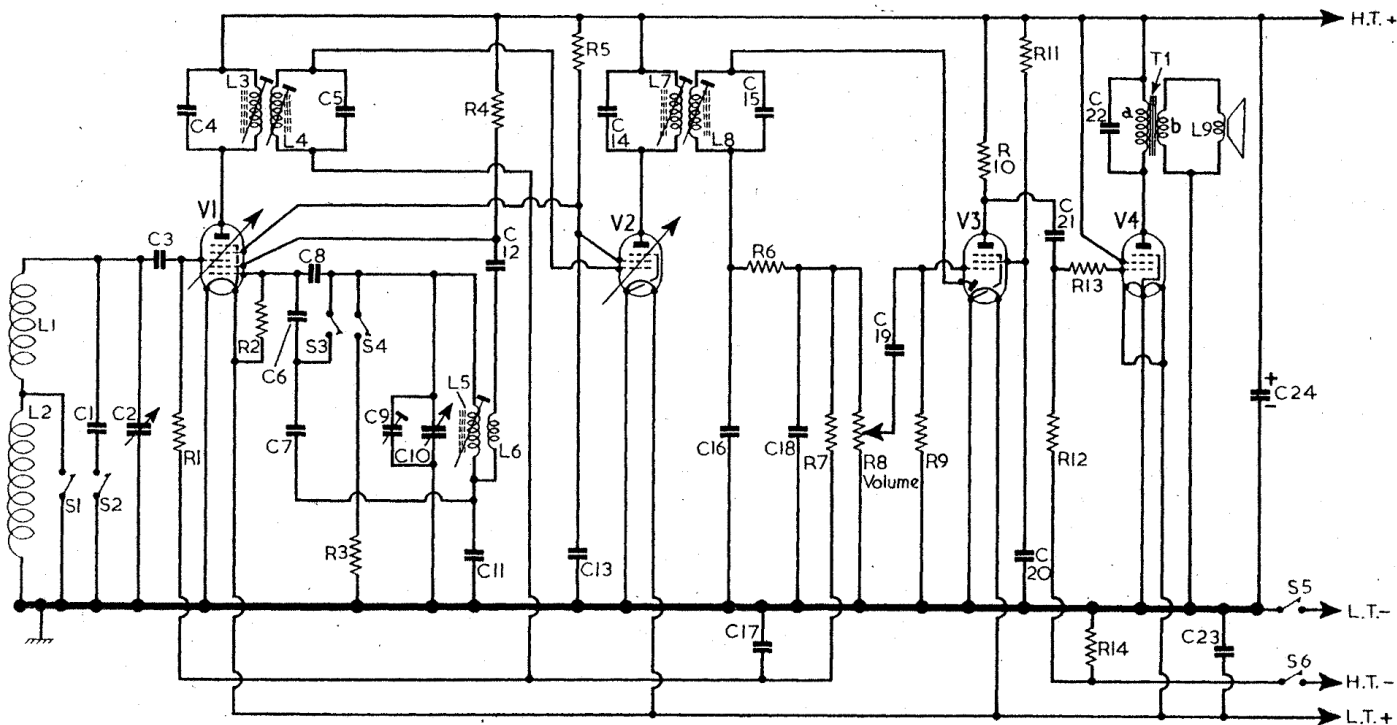
Coils*

L1	2.5	—
L2	13.0	—
L3	8.6	B2
L4	8.6	B2
L5	6.0	A1
L6	1.0	A1
L7	8.6	B2
L8	8.6	B2
L9	3.0	—

Other Components*

T1 { a	600.0	—
b	0.37	—
S1-S4	—	B1
S5, S6	—	C1

* Approximate D.C. resistance in ohms.



CIRCUIT ALIGNMENT

Equipment Required.—An accurately calibrated signal generator modulated 30 per cent at 400c/s; an audio output meter; a non-metallic trimming tool.

1.—Turn volume control and tuning gang to maximum. Connect audio output meter across T1 secondary winding. Connect signal generator output to C2 (A2) and chassis.

2.—Feed in a 470kc/s signal and adjust the cores of L8 (B2), L7 (B2), L4 (B2) and L3 (B2) for maximum output. Repeat these adjustments until no improvement in output can be obtained.

3.—Loosely couple signal generator output to the frame aerial. Switch the receiver to M.W. and tune it to 500m. Feed in a 600kc/s signal and adjust the core of L5 (A1) for maximum output. Rock the tuning control slightly during this adjustment.

4.—Tune the receiver to 200m. Feed in a 1,500kc/s signal and adjust C9 (A1) for maximum output.

5.—Repeat operations 3 and 4 until no improvement in calibration can be obtained.