

Five-valve, including rectifier, table model superheterodyne receiver, covering LW (1,050-1,935 metres) and MW (187-560 metres), and operating from AC or DC mains.

Price. 15 gns. inclusive.

Manufacturer. Bush Radio, Ltd., Power Road, Chigwick, London, W4.

Service Department. Kew Works, Mortlake Road, Kew, Richmond, Surrey.

Voltage range. 200-250V (40-100c/s) AC or DC.

Consumption. 45W (including pilot lamp).

Pilot lamp. 250, 15W, pigmy, SBC cap type.

Loudspeaker. 6 x 4in. elliptical.

Power output. 2W.

Aerial. Ferrite rod aerial is fitted internally

for use on both wavebands. There is no provision for an external aerial.

Intermediate frequency. 470kc/s.

### ALIGNMENT

Equipment required. Signal generator, calibration accuracy of  $\pm 1$  per cent., 30 per cent. modulated at 400c/s, and covering frequency range 155-1,605kc/s. Output meter matched to 2.5-3 ohms impedance. Non-metallic trimming tool.

Setting up. Allow ten-minute warming-up period for receiver and generator. Alignment of RF and oscillator may be carried out with chassis in cabinet, but chassis must be removed for IF procedure.

During alignment, audio output should be maintained at 50mW, and volume control should be set at maximum.

### COMPONENT RATINGS

#### Capacitors

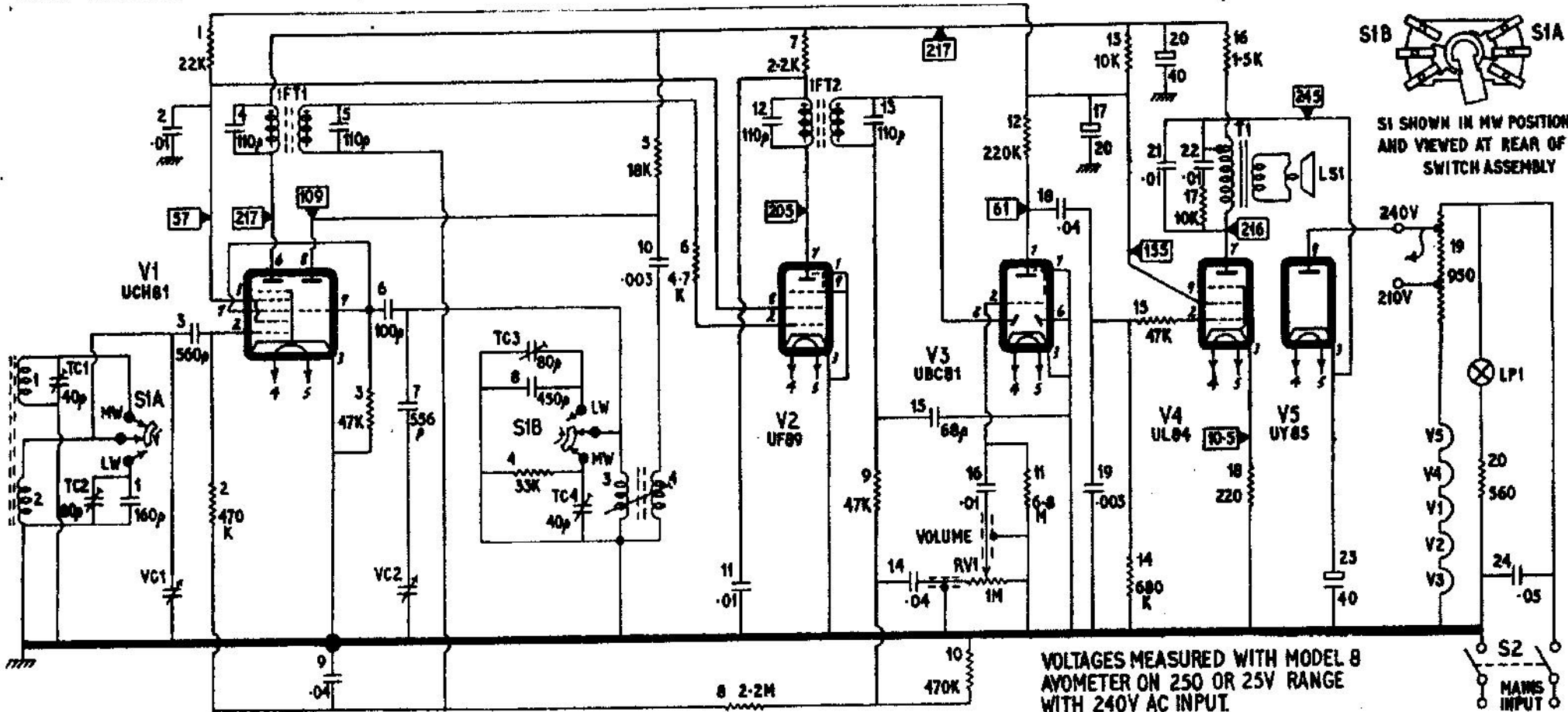
- 750V: C3 & 15.
- 500V: C21 & 24.
- 400V: C2 10 11 16 19 22.
- 350V: C1 4 5 7 8 12 13.
- 200V: C18.
- 150V: C9 14.
- Electrolytic 275V: C17 20 23.
- TC1, TC4 4-40pF.
- TC2, TC3 10-80pF.
- VC1, VC2 528pF.

#### Resistors

- 18W: R19 (100-300+350)

#### Inductors

- 4W: R16 20.
  - 1W: R1 5 13 18.
  - All others 1W.
- |      |            |           |
|------|------------|-----------|
| 1FT1 | Ohms.      | Pri. 12.5 |
|      |            | Sec. 12.5 |
| 1FT2 | Ohms.      | Pri. 12.5 |
|      |            | Sec. 12.5 |
| L1   |            | 0.5       |
| L2   |            | 14        |
| L3   |            | 5         |
| L4   |            | 1.5       |
| T1   | Pri.       | 600       |
|      | Humbucking | 16.5      |
|      | Sec.       | 0.5       |



VOLTAGES MEASURED WITH MODEL 8 AVOMETER ON 250 OR 25V RANGE WITH 240V AC INPUT