

# ETRONIC

# Model WB430

**General Description :** Four-valve, three-waveband battery super-heterodyne receiver. Released 1948. Price £13 13s. od. plus tax.

**Power Supplies :** H.T. 120 volts; L.T. 2 volts (accumulator).

**Wavebands :** S.W. 15-50 m.; M.W. 200-550 m.; L.W. 1000-2000 m.

**Intermediate Frequency :** 465 kc/s.

**Valves :** (V<sub>1</sub>) TP25; (V<sub>2</sub>) VP23; (V<sub>3</sub>) HL23DD; (V<sub>4</sub>) Pen 25.

**Cord Drive :** The drive can be made easily accessible by first removing the top crossbar and scale and then removing the scale backing plate, which is fixed to the upright bracket by six screws.

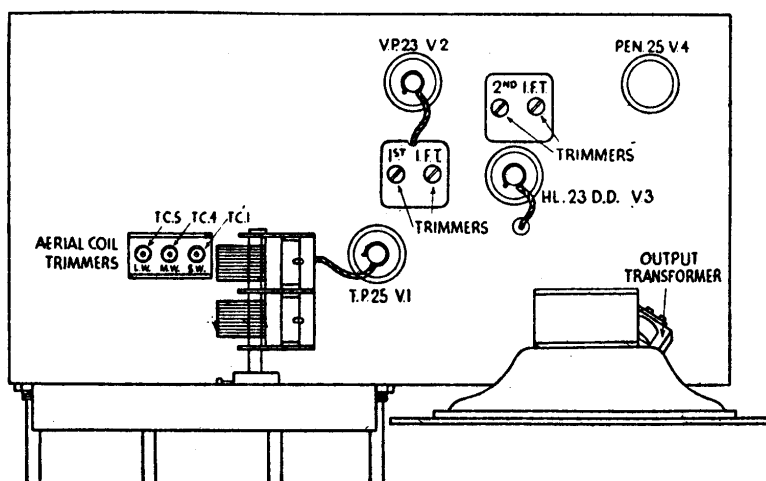
**Alignment Procedure :** The alignment procedure for the WB430 receiver is identical with that given for the RA640 receiver. Alignment points: I.F. 465 kc/s.; I.F. filter 465 kc/s.; M.W. 600 kc/s. (500 m.); 1500 kc/s. (200 m.); L.W. 150 kc/s. (2000 m.); 300 kc/s. (1000 m.); S.W. 15 Mc/s. (20 m.).

### Approximate D.C. Resistances :

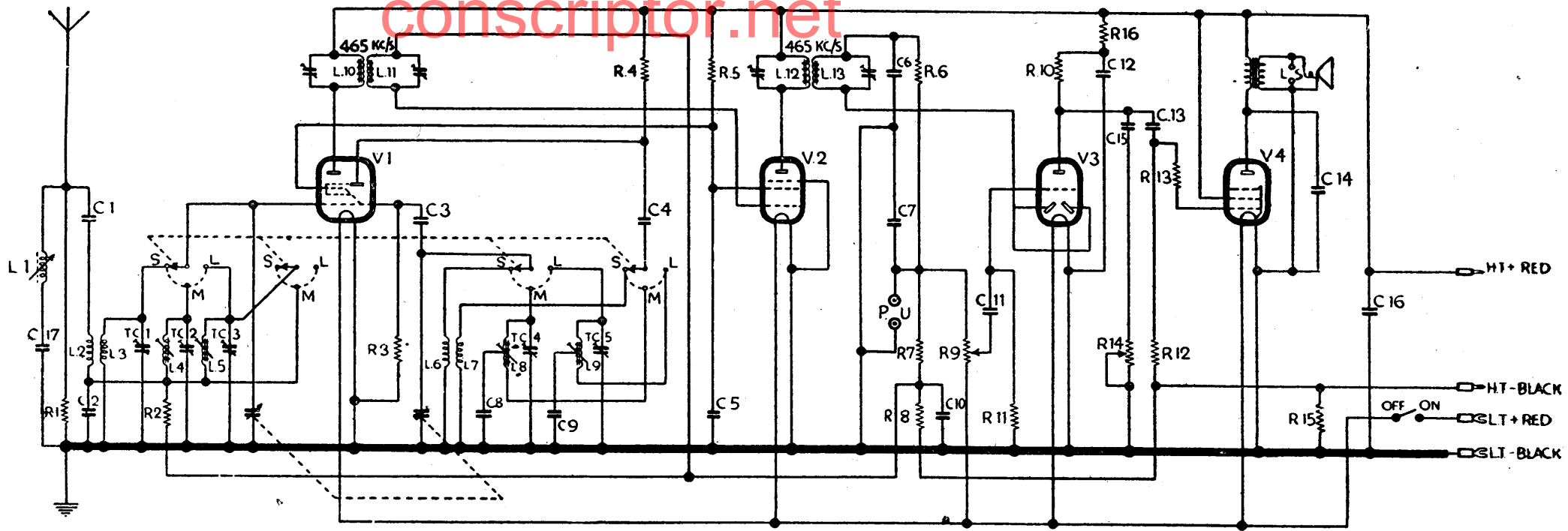
L1	6 ohms	L5	11 ohms	L9	6.5 ohms	L13	8.5 ohms
L2	14 ohms	L6	Very Low	L10	4 ohms	Output transformer (pri-	
L3	Very Low	L7	20 ohms	L11	4 ohms	mary) 500 ohms	
L4	2.2 ohms	L8	3.2 ohms	L12	8.5 ohms		

### Voltage Check Points :

V <sub>1</sub>	Pin 2	116 v.	Pin 3	116 v.	Pin 4	25 v.	Pin 7	32 v.
V <sub>2</sub>	Pin 3	116 v.	Pin 4	32 v.		—		—
V <sub>3</sub>	Pin 3	25 v.		—		—		—
V <sub>4</sub>	Pin 3	112 v.	Pin 4	116 v.	Pin 7	-4 v.		—



ABOVE-CHASSIS  
LAY-OUT—  
ETRONIC MODEL  
WB430



Capacitors.

- C1 500 pF.
- C2 2000 pF.
- C3 50 pF.
- C4 0.01
- C5 0.1
- C6 100 pF.
- C7 100 pF.
- C8 300 pF.
- C9 150 pF.
- C10 0.05
- C11 0.01
- C12 0.5
- C13 0.01
- C14 0.005
- C15 0.05
- C16 0.25
- C17 150 pF.
- TC1 4-40 pF.
- TC2 4-40 pF.
- TC3 4-40 pF.
- TC4 4-40 pF.
- TC5 30-80 pF.

Resistors.

- R1 47k
- R2 470k
- R3 22k
- R4 47k
- R5 47k
- R6 39k
- R7 2.2M
- R8 3.3M
- R9 500k Pot.
- R10 56k
- R11 3.3M
- R12 470k
- R13 82k
- R14 50k Pot.
- R15 390
- R16 10k (1/2 W.)

