

EKCO

Model U332

General Description: Four-valve (including rectifier), two-waveband table receiver with ferrite-rod aerial and provision for external aerial and loudspeaker.

Power Supplies: A.C./D.C. mains, 200–250 volts (A.C. 40–100 c/s.). Consumption about 40 watts.

Wavebands: M.W. 182–560 m.; L.W. 1100–2000 m.

Valves: Following readings taken under no-signal conditions with Avo Model 8 (20,000 ohms/volt).

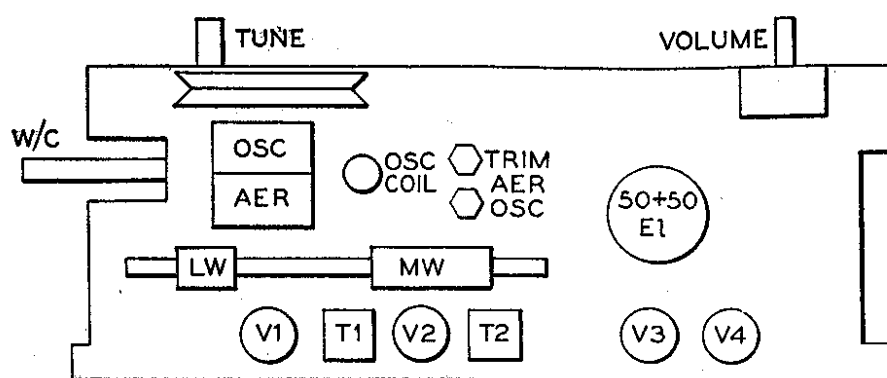
Valve		Anode, volts	Anode, mA.	Screen, volts	Screen, mA.	Cathode, volts
V ₁	UCH81	92	1.8	59	4.2	—
	(osc.)	50	2.1	—	—	—
V ₂	UBF89	90	6.3	59	3.6	—
V _{3A}	UCL82	44	0.2	—	—	—
V _{3B}	UCL82	148	30	92	4.9	5.5

Alignment Procedure: *I.F.:* With receiver on M.W., inject a 470-kc/s. signal to signal grid of V₁ (pin 2) and adjust cores of T₂ then T₁ for maximum output.

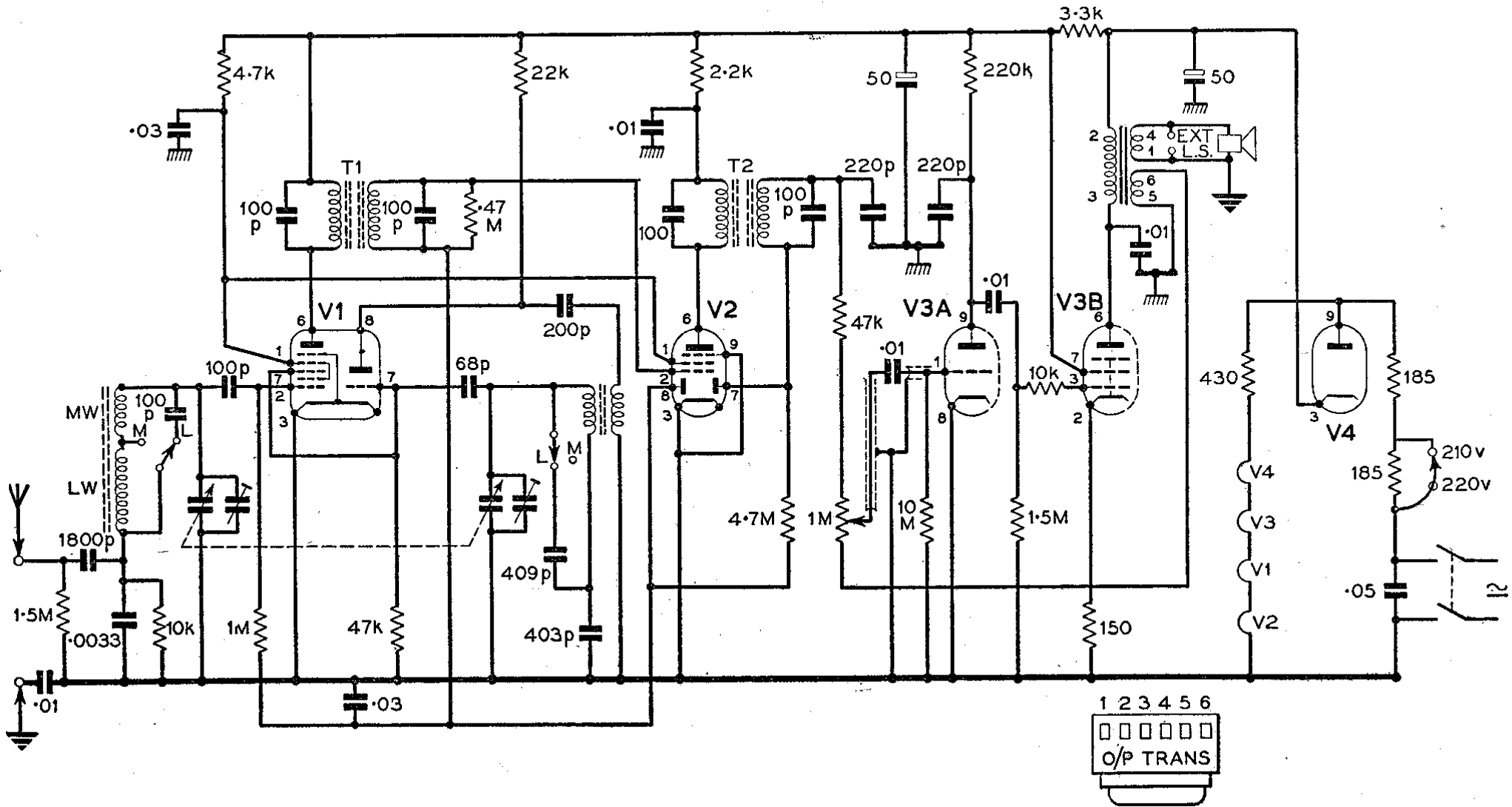
R.F.: Check that with gang at maximum capacitance, the pointer coincides with mark on right-hand end of the scale. Inject signals to aerial and earth sockets via dummy aerial.

M.W.: Set generator to 600 kc/s., tune receiver to 500 m. and adjust oscillator coil core then M.W. aerial coil by sliding along rod. Set generator to 1546 kc/s., tune to "third programme" mark and adjust oscillator trimmer and then aerial trimmer for maximum response. Repeat above operations until calibration is correct and optimum sensitivity attained.

L.W.: Set generator to 214.3 kc/s., tune to 1400 m. and adjust L.W. aerial coil for maximum output.



CHASSIS LAY-OUT



CIRCUIT DIAGRAM—ECKO MODEL U332