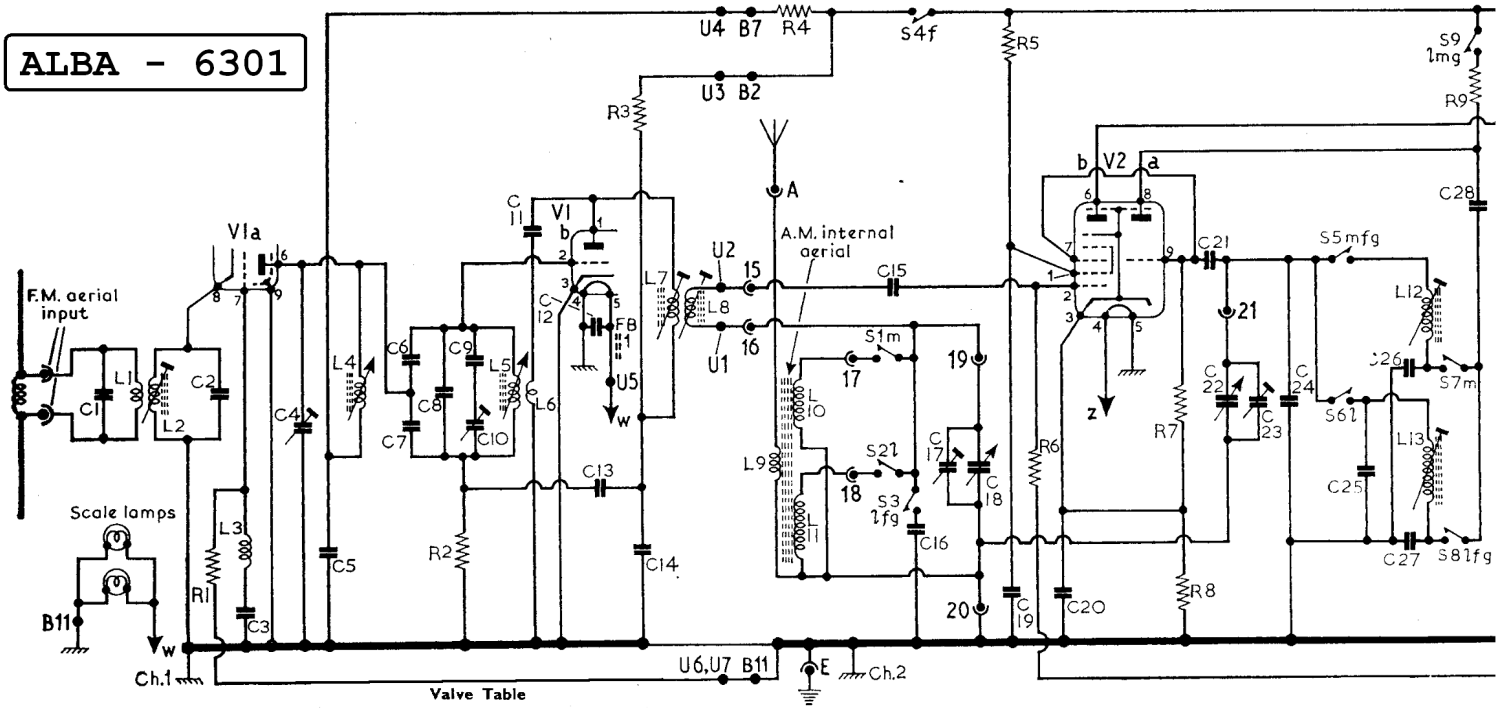
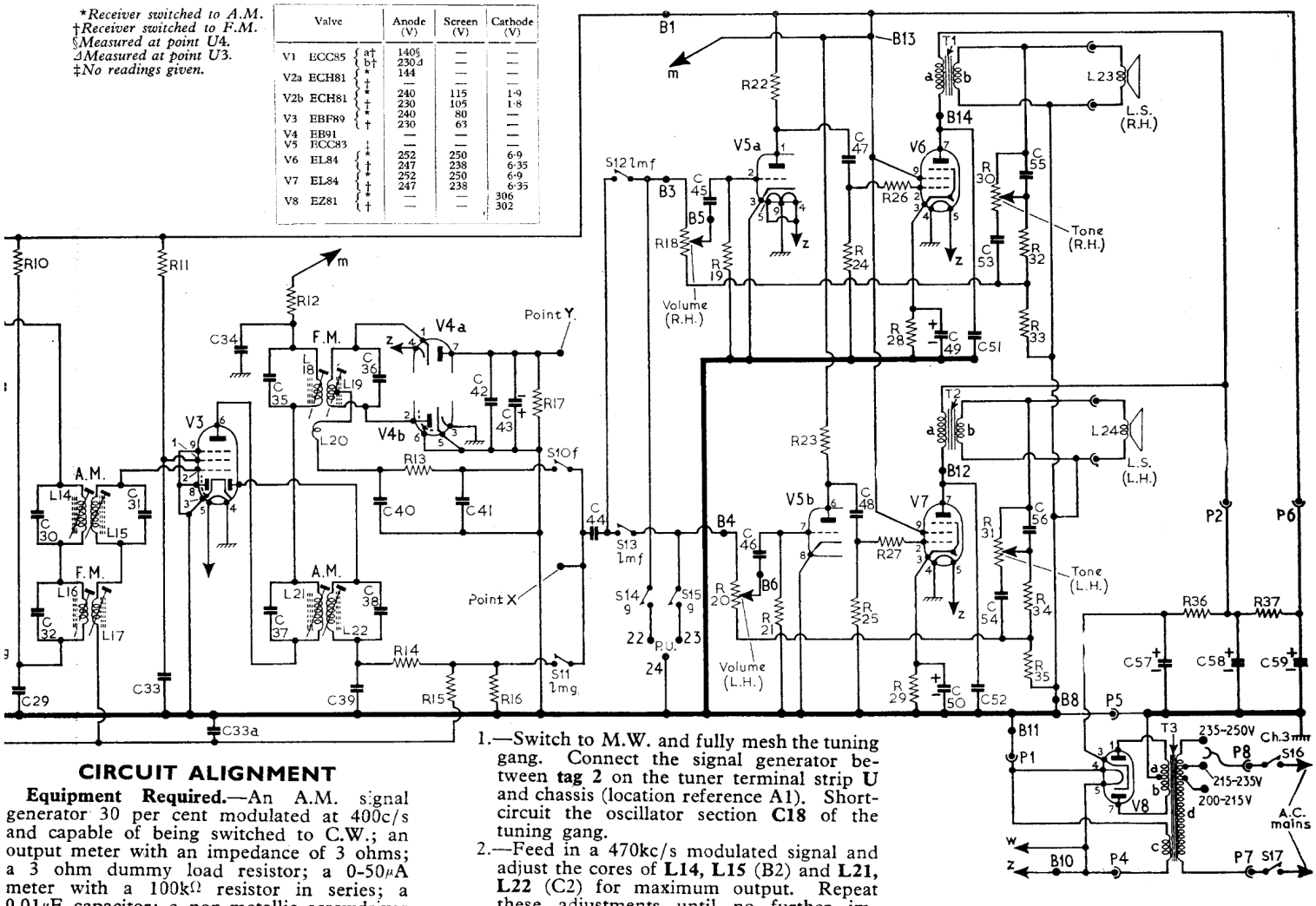
ALBA - 6301



*Receiver switched to A.M.
†Receiver switched to F.M.
§Measured at point U4.
ΔMeasured at point U3.
‡No readings given.

Valve Table

Valve		Anode (V)	Screen (V)	Cathode (V)
V1 ECC85	a†	140§	—	—
	b†	230Δ	—	—
V2a ECH81	*	144	—	—
	†	—	—	—
V2b ECH81	*	240	115	1·9
	†	230	105	1·8
V3 EBF89	*	240	80	—
	†	230	65	—
V4 EB91		—	—	—
V5 ECC83	‡	—	—	—
V6 EL84	*	252	250	6·9
	‡	247	238	6·35
V7 EL84	*	252	250	6·9
	‡	247	238	6·35
V8 EZ81	‡	—	—	306
	†	—	—	302



CIRCUIT ALIGNMENT

Equipment Required.—An A.M. signal generator 30 per cent modulated at 400c/s and capable of being switched to C.W.; an output meter with an impedance of 3 ohms; a 3 ohm dummy load resistor; a 0-50μA meter with a 100kΩ resistor in series; a 0.01μF capacitor; a non-metallic screwdriver trimming tool and a hexagonal trimming tool for the tuner I.F. coils.

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First check that both audio channels are operating correctly, then connect the output meter in place of one speaker speech coil and the 3 ohms dummy load in place of the other. Set both volume controls to maximum and the tone controls fully clockwise.

Input from the signal generator should be maintained as low as possible to prevent A.G.C. action. Where two peaks occur, the one with the core nearer to its end of the former is correct.

1.—Switch to M.W. and fully mesh the tuning gang. Connect the signal generator between **tag 2** on the tuner terminal strip **U** and chassis (location reference A1). Short-circuit the oscillator section **C18** of the tuning gang.

2.—Feed in a 470kc/s modulated signal and adjust the cores of **L14, L15** (B2) and **L21, L22** (C2) for maximum output. Repeat these adjustments until no further improvement can be obtained.

cursor is used for calibration in conjunction with holes punched into the scale backing plate. Disconnect the signal generator from the tuner terminal strip and connect it across coupling coil **L9** on the ferrite rod. Remove the short-circuit from **C18.**