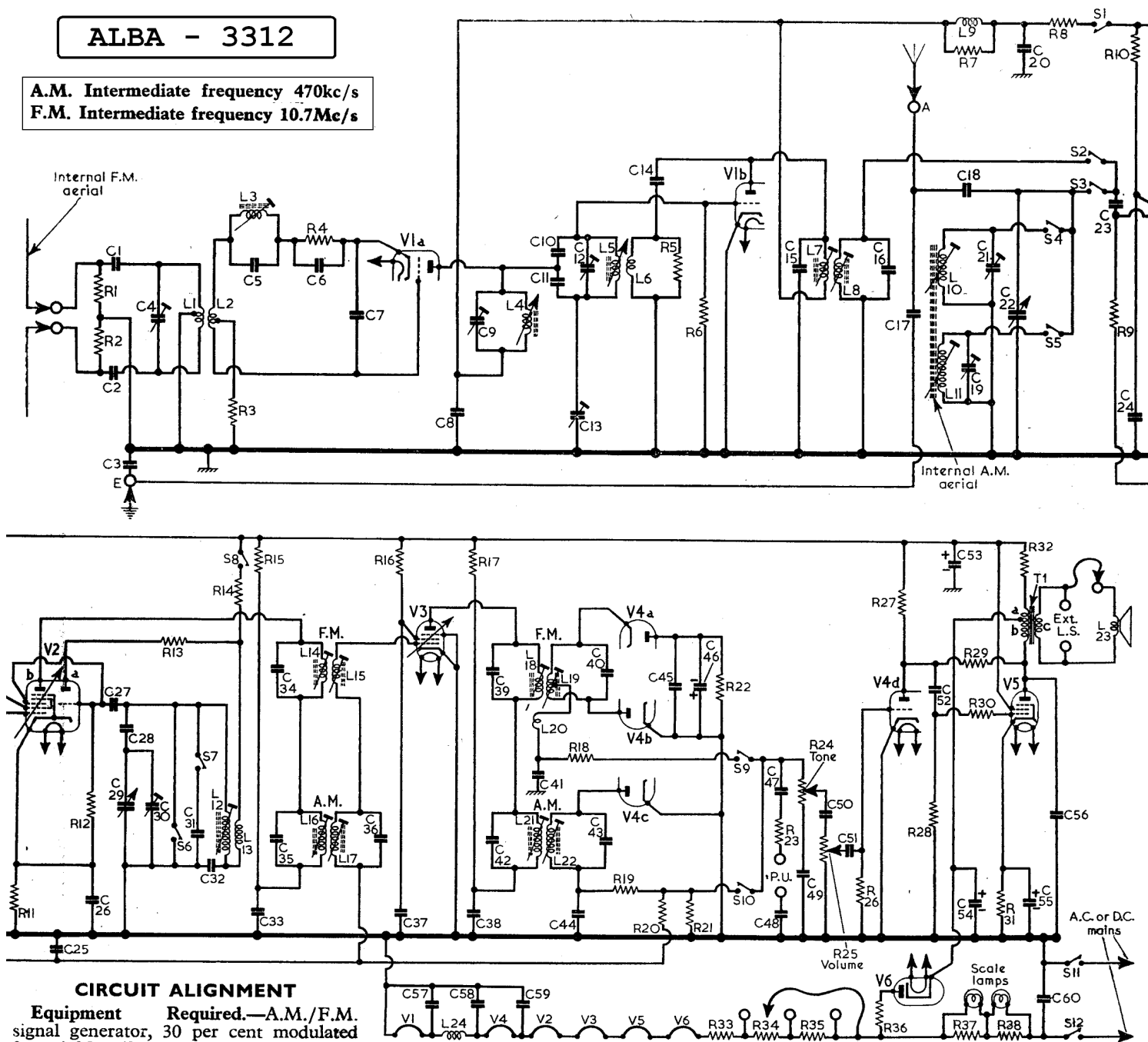


ALBA - 3312

A.M. Intermediate frequency 470kc/s
F.M. Intermediate frequency 10.7Mc/s



CIRCUIT ALIGNMENT

Equipment Required.—A.M./F.M. signal generator, 30 per cent modulated for A.M. (for F.M. alignment the 88.1Mc/s signal is deviated by ± 25 kc/s), an output meter; a valve-voltmeter or 20,000 Ω /V meter; and an insulated trimming tool for core adjustments.

As the tuning scale remains fixed to the cabinet when the chassis is removed for alignment purposes, the scale backing plate is marked with small holes which indicate alignment points. The corresponding frequency to each point is shown in the sketch in col. 4 overleaf.

Check that with the gang at maximum capacitance the cursor coincides with the points at the low-frequency end of the scale backing plate.

L10 (A1) and L11 (A2) are ferrite rod tuned and should be adjusted for maximum output by sliding the formers along the ferrite rod and securing them to the rod with an adhesive after alignment to prevent them from moving.

A.M. Alignment

- 1.—Connect output meter across external speaker sockets.
- 2.—Switch receiver to M.W. and turn tuning gang and volume control to maximum, and the tone control fully anti-clockwise (without operating switch). Short-circuit oscillator section of gang C29 (A1). Connect signal generator to C22 on gang (A1) and via a 0.1 μ F capacitor to chassis. Feed in a 470kc/s signal, modulated 30 per cent at 400 c/s and adjust L16 (E4), L17 (B2), L21 (E4) and L22 (C2) for maximum output. Repeat adjustments until no improvement can be obtained.
- 3.—Tune receiver to 500m and connect signal generator via dummy aerial to the A.M. aerial socket and chassis. Feed in a 600kc/s signal and adjust L12 (B1) and L10 (A1) for maximum output.
- 4.—Tune receiver to 200m, feed in a 1,500kc/s signal and adjust C30 (B1) and C21 (B1) for maximum output.
- 5.—Repeat operations 3 and 4 for optimum calibration.
- 6.—Switch receiver to L.W. and tune to 1,950m. Feed in a 154kc/s signal and adjust L11 (A2) for max. output.
- 7.—Tune receiver to 1,200m, feed in a

