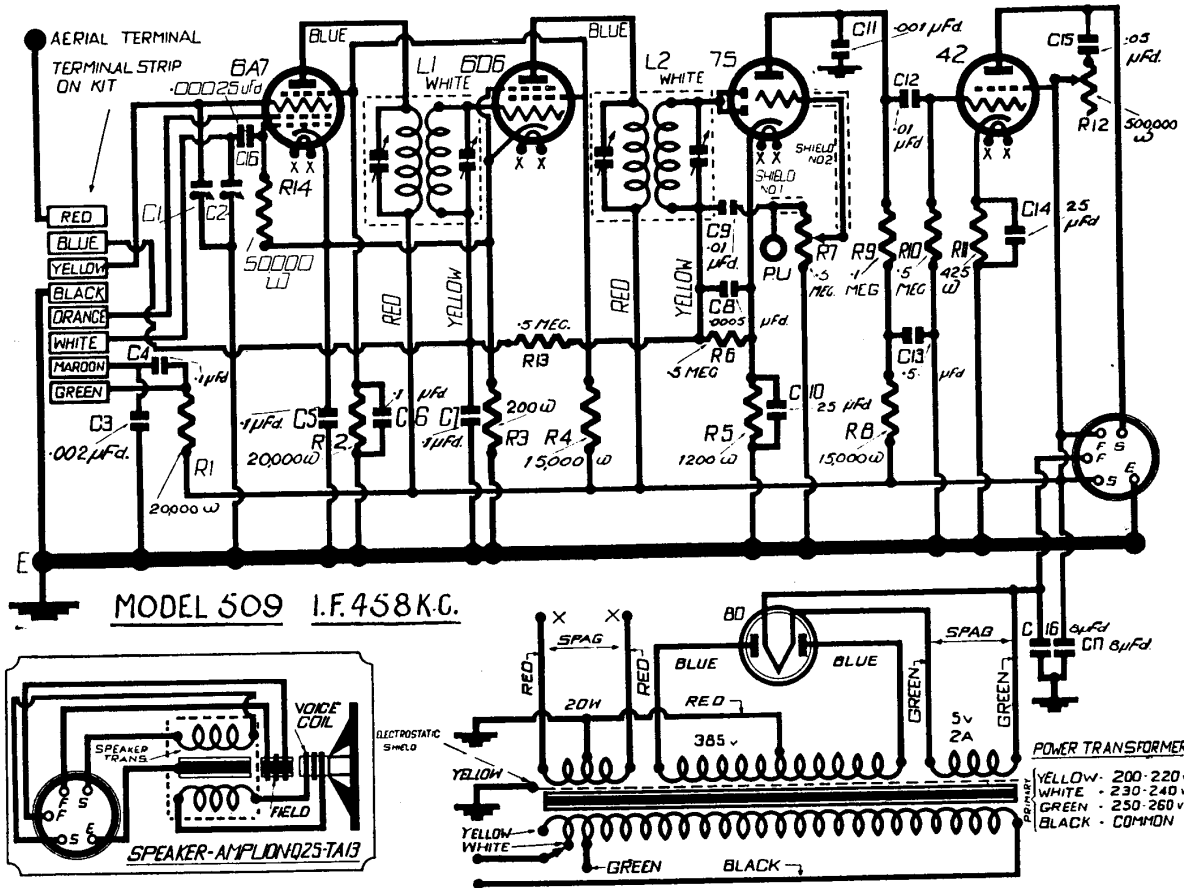


"Lekmek" A.C. Operated Dual-Wave Model 509



Lekmek model "509" is a five-valve receiver designed for dual-wave coverage and operation from 200-260 volts A.C. mains. This receiver is of the console type and is fitted with four controls — volume, tuning, wave-change, and tone (continuous). The loudspeaker is an 8-inch unit with a field resistance of 2,500 ohms.

The circuit arrangement of this receiver is basically the same as that of the "504" series; major points of difference being the use of a dual-wave tuning system and the incorporation of an A.V.C. system, with an "audio" type volume control (R7) as standard.

Operating voltages for this receiver, taken under the usual conditions, are as follow:—

- 6A7, Frequency Converter: Plate, 225 v.; screen, 110 v.; cathode, 2 v.; osc. anode grid, 180 v. Plate current, 4 mA.
- 6D6, 458 KC. I.F. Amplifier: Plate, 225 v.; screen, 110 v.; cathode, 2 v. Plate current, 9 mA.
- 75, Detector, A.V.C. Rectifier, and A.F. Amplifier: Plate, 110 v.; cathode, 1 v. Plate current, 0.75 mA.
- 42, Output Pentode: Plate, 215 v.; screen, 225 v.; cathode, 14.5 v. Plate current, 32 mA.