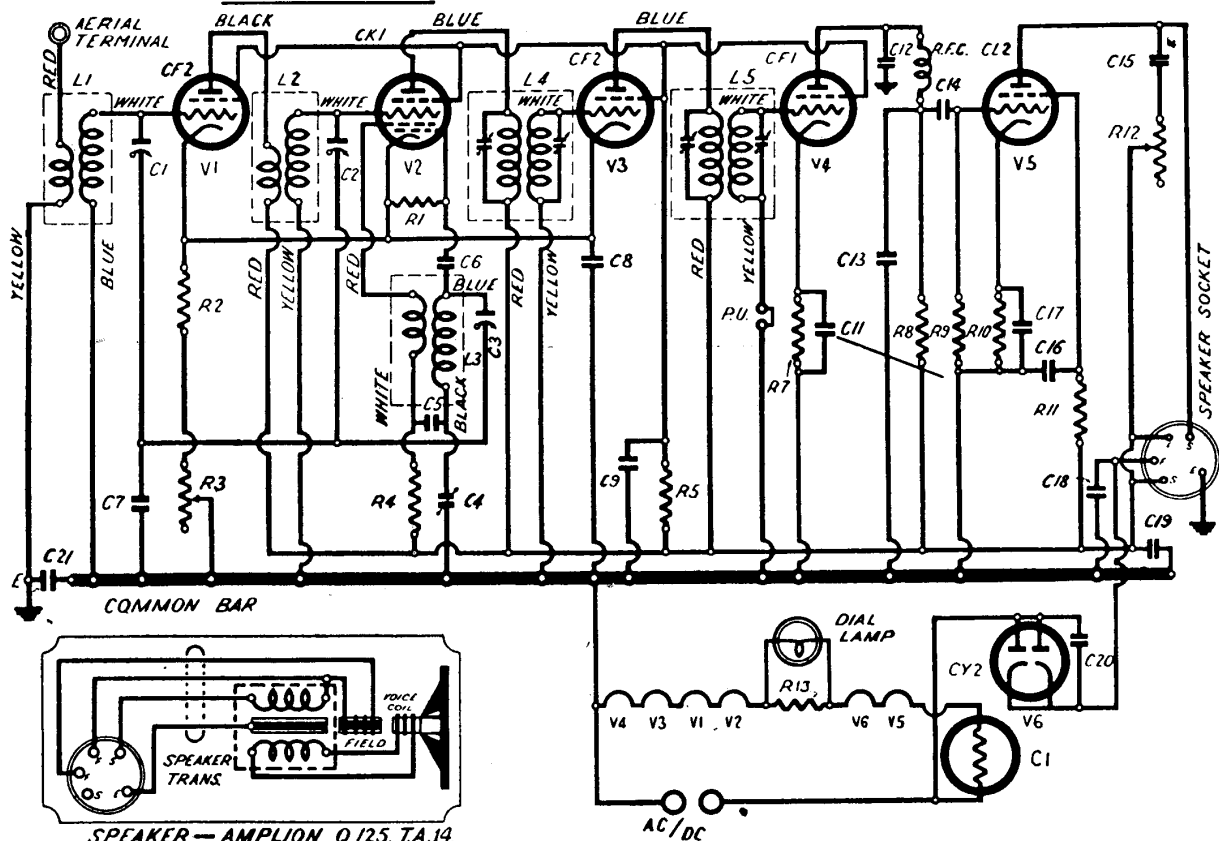


"Lekmek" A.C./D.C. Broadcast Model 606

TYPE - 606

I.F. 458 KC.



Lekmek model "606" is a six-valve, broadcast receiver designed for operation from 200-260 volts A.C. or D.C. mains. This receiver is of the console type and is fitted with three controls—volume, tuning, and tone (continuous). The loud-speaker is an 8-inch unit with a field coil resistance of 1,250 ohms.

The circuit arrangement of this receiver is fairly conventional, but it should be noted that no A.V.C. system is incorporated and that the volume control (R3) is of the bias variation ("radio") type. The valves used are all of the Philips "200 mA." A.C./D.C. type,

with type numbers, functions, and operating voltages as given below. Note that the volume control was full-on when these measurements were taken.

CF2, R.F. Amplifier: Plate, 180 v.; screen, 125 v.; cathode, 3 v. Plate current, 4 mA.

CK1, Frequency Converter: Plate, 180 v.; screen, 125 v.; cathode, 3 v.; osc. anode grid, 150 v. Plate current, 1 mA.; osc. anode current, 5 mA.

CF2, 458 KC. I.F. Amplifier: Plate, 180 v.; screen, 125 v.; cathode, 3 v. Plate current, 4 mA.

CF1, "Anode-bend" Second Detector: Plate, 75 v.; screen, 125 v.; cathode, 3.5 v. Plate current, 0.2 mA.

CL2, Output Pentode: Plate, 165 v.; screen, 100 v.; cathode, 16 v. Plate current, 40 mA.

COMPONENT VALUES.

RESISTORS.

R1—50,000 ohms, 1 W.; R2—200 ohms, wire-wound; R3—2,500 ohms volume control; R4, R11—20,000 ohms, 1 W.; R5, R7—10,000 ohms, 1 W.; R8—250,000 ohms, 1 W.; R9—500,000 ohms, 1 W.; R10—425 ohms, wire-wound; R12—500,000 ohms tone control; R13—30 ohms, 200 mA., wire-wound.

CONDENSERS.

C1, C2, C3—sections of 3-gang variable; C4—7 plate padder; C5, C14, C20—0.01 mfd., mica; C6, C13—0.00025 mfd., mica; C7, C9, C11—0.5 mfd., tubular; C8, C16—0.1 mfd., tubular; C12—0.001 mfd., mica; C15, C21—0.05 mfd., mica; C17—25 mfd., 25 v., electro.; C18, C19—8 mfd., 500 v., electros.