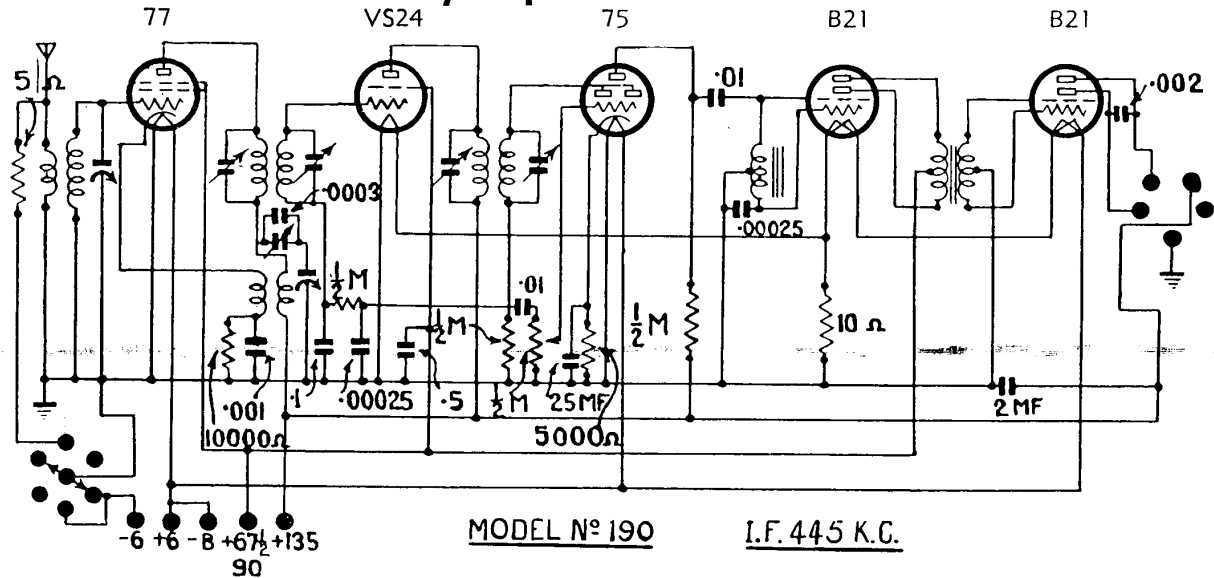


"Genalex" Battery Operated Broadcast Model 190



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77, "Autodyne" Frequency Converter: Plate, 135 v.; screen, 90 v.; cathode, 5.5 v. Plate current, 0.4 mA.

VS24, 445 kC. I.F. Amplifier: Plate, 135 v.; screen, 90 v.; no bias, negative end of filament is earthed. Plate current, 6 mA.

75, Detector, A.V.C. Rectifier and A.F. Amplifier: Plate, 60 v.; cathode, 0.5 v. Plate current, 0.15 mA.

B21, Push-pull A.F. Driver: Each plate, 90 v.; bias is 2 volts, as negative filament is 2 volts above earth. Plate current (total) 2.4 mA.

B21, Class "B" Output: Each plate, 130 v.; bias is 4 volts, as negative filament is 4 volts above earth. Plate current (total), 5 mA.

COMPONENT MOUNTING.

To facilitate construction, most of the smaller components in this receiver are grouped on a mounting panel underneath the chassis. This panel is not numbered, but the terminal lugs are fitted in such a manner that they may be counted without difficulty. With the chassis

turned upside down and looking at the mounting panel from the front of the chassis, the components corresponding to each pair of lugs (counting from the left-hand end of the panel) are as follows:—

1—spare; 2—500,000 ohms; 3—0.1 mfd.; 4—spare; 5—0.5 mfd.; 6—0.001 mfd.; 7—10,000 ohms; 8—spare; 9—spare; 10—5,000 ohms; 11—25 mfd., 25 v., electro; 12—spare; 13—0.00025 mfd.; 14—R.F. choke and 5,000 ohms resistor; 15—0.01 mfd.; 16—500,000 ohms; 17—0.01 mfd.; 18—spare.