

Courtesy of nucow.com

NOTE -  
 (A) ALL RESISTORS ARE 1/2 WATT UNLESS OTHERWISE SPECIFIED  
 K = 1000  
 M = MEGOHM  
 (B) ALL CONDENSERS IN M F UNLESS OTHERWISE SPECIFIED  
 IF - 455 KC

### Tube Complement

1R5	Oscillator, Mixer
1U4	I.F. Amplifier
1U5	Detector, AVC, 1st Audio Amplifier
3V4	Audio Output Amplifier

### Tuning Range

535 - 1660 KC

### Power Supply

#### AC Operation using Selenium Rectifier

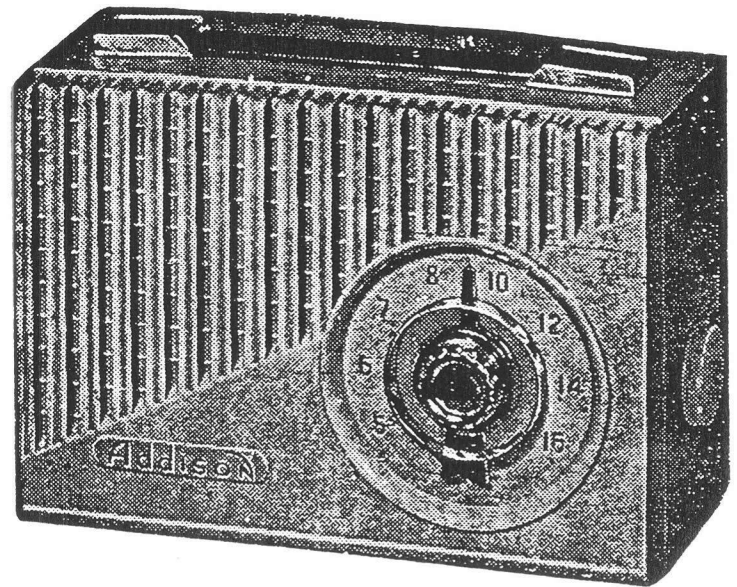
110-120 Volts AC 25-60 Cycle

110-120 Volts DC

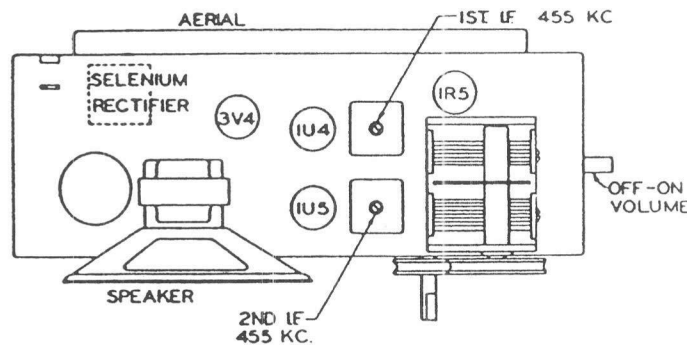
#### Battery Operation

"A" 4½ Volts — Eveready 746A or equivalent

"B" 90 Volts — Eveready 490B or equivalent



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### ALIGNMENT PROCEDURE

#### I.F. Alignment

1. Connect the output from Signal Generator through a 200 MMFD Mica Condenser to the wire leading from the Antenna to the Gang Condenser.
2. Connect output meter across speaker voice coil.
3. Set volume control at maximum clockwise position and tuning condenser with plates fully out of mesh.
4. Adjust Signal Generator to 455 KCS with modulation, on.
5. Adjust top and bottom iron cores of 2nd I.F. Transformer for maximum output.
6. Adjust top and bottom iron cores of 1st I.F. Transformer for maximum output.
7. For best results this procedure should be repeated with the Signal Generator set to lowest usable output.

#### R.F. Alignment

1. Place the output lead from Signal Generator near the loop antenna, to couple Signal without detuning antenna circuit.
2. Adjust Signal Generator to 1500 KC and set the tuning condenser to 1500 KC on dial.
3. Adjust the Oscillator Trimmer on tuning condenser for maximum output.
4. Adjust the Antenna Trimmer on tuning condenser for maximum output.