

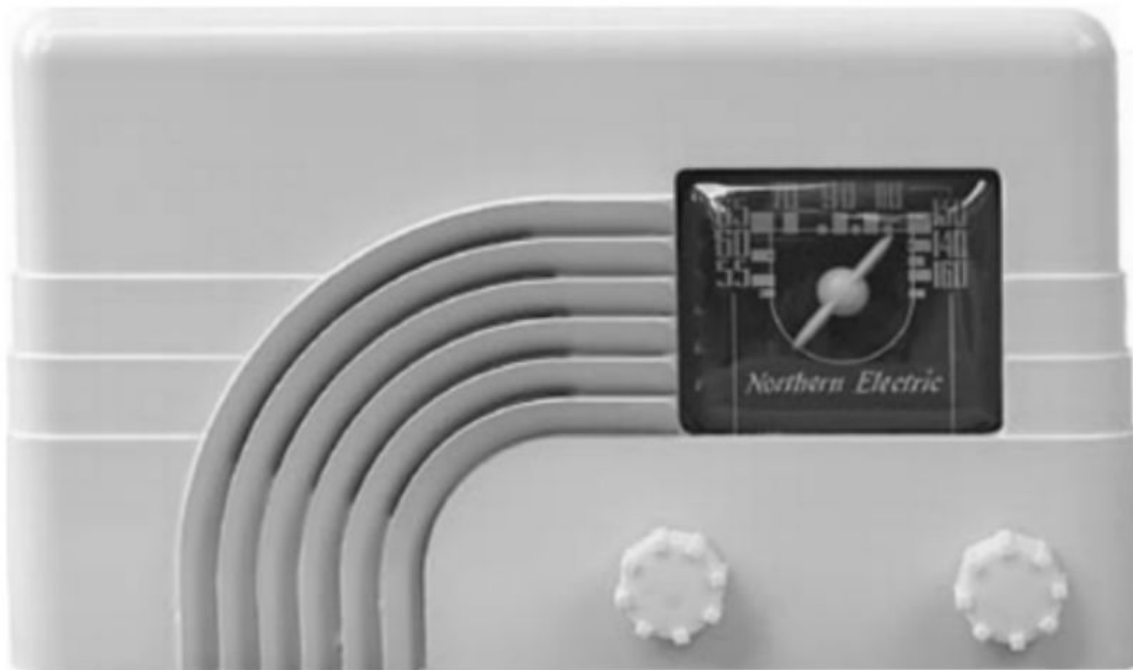
Northern Electric B4000

- NOTES:**
- 1- ITEM 40 MUST BE CONNECTED IN SERIES WITH 'A' BATTERY WHEN A SERIES STORAGE BATTERY IS USED.
 - 2- WIRING SIDE OF TUBES SHOWN.
 - 3- VOLTAGES MEASURED WITH D.C.V.T. VOLT-METER.



M = 1,000,000 OHMS
K = 1,000 OHMS
ALL CAPACITORS MFD EXCEPT AS MARKED PF
ALL RESISTORS 1/2 WATT UNLESS OTHERWISE NOTED

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I.F. Alignment

Rotate the gang condenser to the position of minimum capacity. Connect the signal generator ground lead to the chassis and the signal generator "Hot" lead, through a 0.1 mfd. capacitor, to the grid cap on the 1A7GT tube.

Set the signal generator to 455 KC. using 30% modulation at 400 c.p.s. and adjust the I.F. trimmer capacitors until maximum output is obtained.

R.F. Alignment

With the signal generator ground lead still connected to the chassis, connect the signal generator "Hot" lead to the antenna terminal of the receiver through a 100 mmf. capacitor.

Set the receiver tuning gang and signal generator to 1400 KC. adjust the oscillator gang trimmer, then the antenna gang trimmer for maximum output.

Set the receiver tuning gang and signal generator to 600 KC. Adjust the oscillator padder, item 6, for maximum output while rocking the gang. Reset the dial indicator to 600 KC. on the dial if necessary.

For maximum sensitivity the R.F. alignment should be repeated.