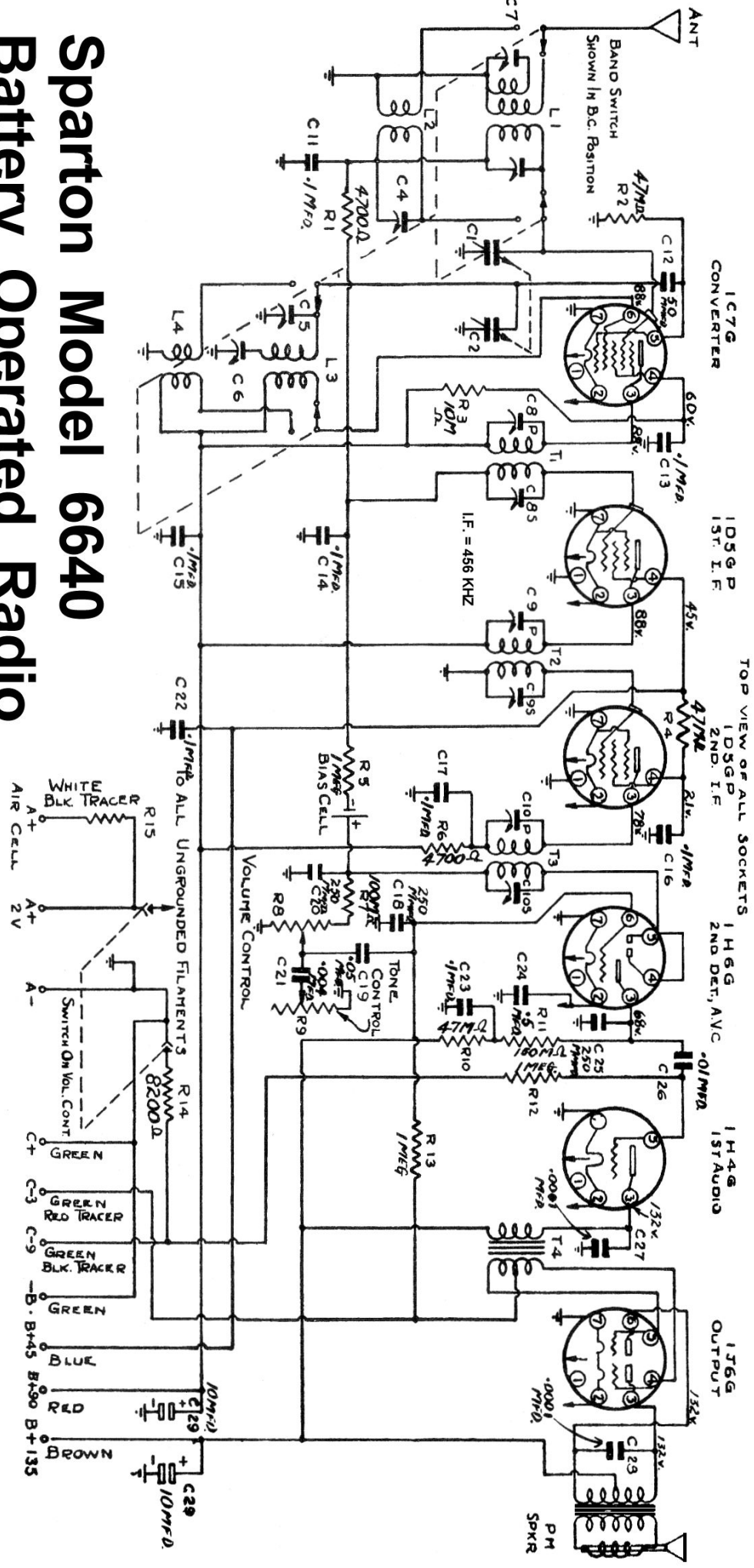


# Sparton Model 6640 Battery Operated Radio



# Sparton Model 6640 Alignment Data

Automatic tuning is featured in this model, the appeal of which is due to the ease of adjusting the six push buttons for **any six stations**. Simply insert a small screw driver in the slotted end of the push button, push in and rotate button either way until desired station is tuned in. This is all that is necessary for a permanent setting of the station. The six stations can be set up in any order and in any portion of the dial.

To tune the set manually, merely push in tuning knob slightly and tune in.

## I.F. ALIGNMENT—

With the service oscillator set at 456 K.C. and the oscillator lead connected to the 1C7G grid cap, adjust trimmers C8p, C8s, C9p, C9s, C10p and C10s for maximum output. The selector should be turned out or opened while making these adjustments.

## I.F. REJECTOR—

With the service oscillator set at 456 K.C. and its output lead attached to the aerial of the chassis, adjust trimmer C7 for minimum output. Caution—Make sure the chassis is not tuned to a harmonic of 456.

## R.F. ALIGNMENT—

### 1. B. C. OSCILLATOR TRIMMER

With the service oscillator tuned to 1500 K.C., adjust trimmer C5 until signal is tuned in, when dial is set at 1500.

### 2. B.C. ANTENNA TRIMMER

With service oscillator set at 1500 K.C., adjust C3 for maximum output.

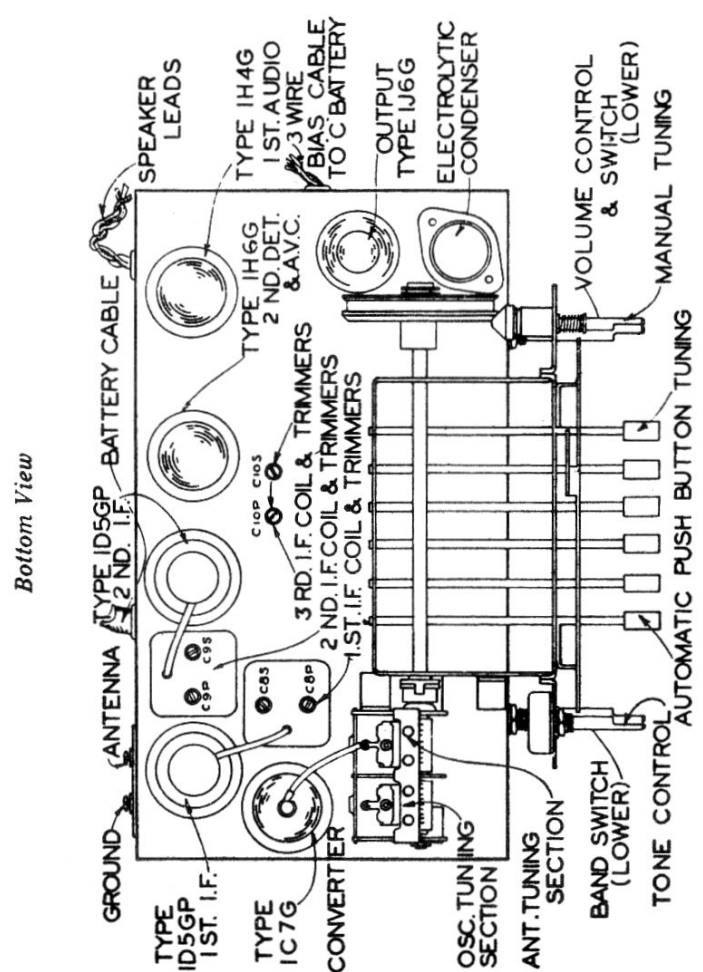
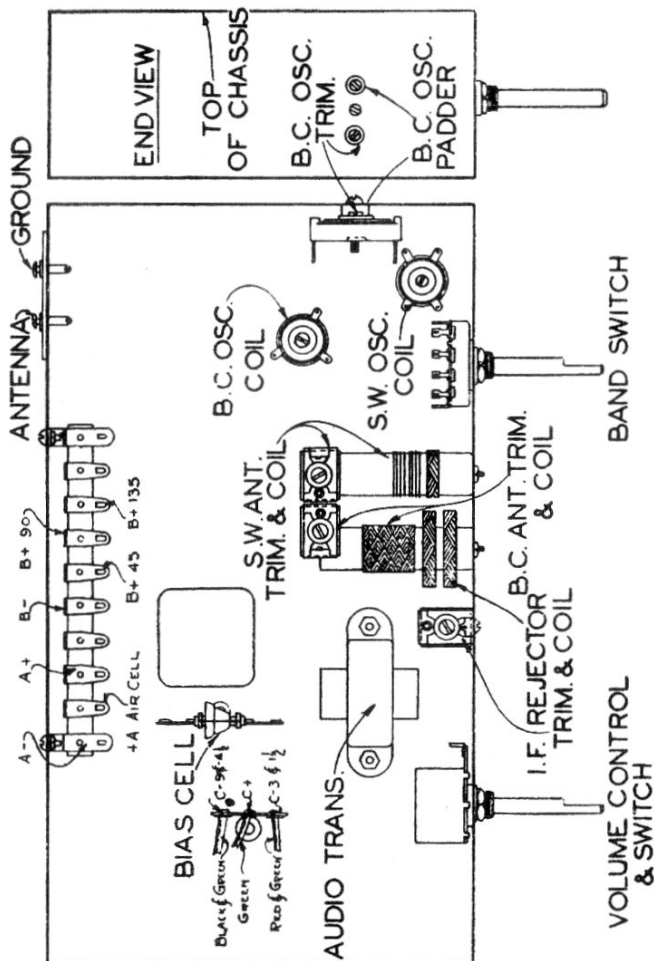
### 3. B.C. OSCILLATOR PADDER

Tune the set to 600 K.C., feed a 600 K.C. signal into the antenna and adjust trimmer C6 for maximum output. Recheck B.C. antenna trimmer as in 2 above.

### 4. S.W. ANTENNAE TRIMMER

Feed a 15 M.C. signal into the antenna and with the dial turned to 15 on the S.W. band adjust C4 until maximum output is obtained while the selector knob is being rocked.

**Note:** Be sure the set is not trimmed to the image frequency. It should be trimmed to the lower frequency of the two signals.



Top View of Model 6640