



# Sparton Models 10140 & 10240

# Sparton Models 10140 & 10240 Alignment Data

## I. F. ALIGNMENT—

With the service oscillator set at 456 K.C. and the oscillator lead connected to the stator of the top or R. F. section of the gang condenser, adjust trimmers C11P, C11S, C12P, C12S, C13P and C13S 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 antenna of the chassis, adjust trimmer C10 for **minimum** output. Caution—Make sure the chassis is not tuned to a harmonic of 456.

## B. C. ALIGNMENT—

NOTE—In order to have condenser plates fully closed with indicator shadow line on first vertical line at right hand end of dial scale, the right hand dial stop must be loosened. This is done by loosening the mounting of this stop so that it can be turned out of the way of the stop screw. The condenser is then fully closed and indicator line set at first vertical line at right hand end of the dial while on the broadcast band position. The condenser is then opened and the stop set to stop the dial at about 1/2 division from end of dial scale. The stop at the left hand end should be set to stop the dial at about 1680 K.C. This stop has been set at the factory and should need no adjustment unless moved.

With service oscillator set at 600 K.C., adjust C9 until indicator reads 600 K.C. With oscillator at 1500 K.C., adjust C6 until indicator reads 1500 K.C. Remaining at the same point, adjust C3 for maximum output.

## 1st S. W. BAND ALIGNMENT—

With oscillator at 6 M.C., adjust C7 until indicator reads 6 M.C. Remaining at the same point, adjust C4 for maximum output.

## 2nd S. W. BAND ALIGNMENT—

With oscillator at 15 M.C., adjust C8 until indicator reads 15 M.C. Remaining at the same point, adjust C5 for maximum output.

NOTE.—On the 1st S. W. Alignment the Oscillator is trimmed to the higher of the two frequencies of which the lower one is the image frequency. On the 2nd S. W. Alignment the Oscillator is trimmed to the lower of the two frequencies, of which the higher one is the image.