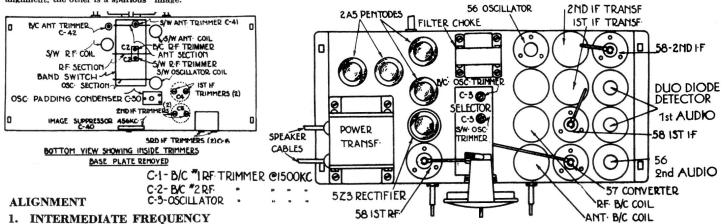
# Sparton Model 800 A.C. Receiver

#### CAUTION

With a receiver slightly off alignment two signals will be noticed within 900 K.C. of each other. The signal of highest frequency is the signal to be used in alignment, the other is a spurious "image."



(d) Adjust condensers C-6 until output meter reading is a maximum. If the trimmer adjustment increases the output meter reading to off scale values, the oscillator output to bring the needle on scale again, and continue to adjust for a maximum. In a similar manner adjust C-5 and C-4 condensors.

(e) Repeat adjustment of all 6 condensers C-6, C-5 and C-4.

## 2. IMAGE SUPPRESSOR ADJUSTMENT

(a) Leaving oscillator set at 455 K.C. remove the leads from the 57 grid and connect it to the antenna post of the receiver. Turn on oscillator full and adjust trimmer C-40 to minimum speaker output either according to the output meter or the ear.

- (a) Leave oscillator connected to antenna, and adjust it to exactly 1500 K.C. Tune in receiver to oscillator signal and if the pointer reads exactly 1500 K.C. oscillator trimmer C-3 (B/C) is properly adjusted. If the pointer reads more than 1500 K.C. screw up trimmer C-3 until, with the receiver tuned to the test oscillator signal, the dial reads exactly 1500. If it is less than 1500, screw trimmer C-3 up.

  (b) Set test oscillator to 600 K.C. exactly, and tune receiver to the signal, adjusting padding condenser C-30 until dial pointer reads exactly 600 K.C. with
- (b) Set test oscillator to 600 K.C. exactly, and tune receiver to the signal, adjusting padding condenser C-30 until dial pointer reads exactly 600 K.C. with the signal tuned in.

  (c) If C-30 has to be moved any great amount, the adjustment of condenser C-3 will have to be repeated. Continue adjustment of C-3 and C-30 until calibration is correct at both 600 K.C. and 1500 K.C.

  (d) With Band selector switch thrown to Short Wave position, adjust S. W. trimmer C-3 so that with test oscillator set at 12000 Kilocycles the signal is received at exactly 12 megacycles on the dial.

## ADJUSTMENT OF R. F. TRIMMER CONDENSERS

- (a) Set oscillator to 1500 K.C. and tune receiver to this signal exactly, so as a maximum reading of the output meter is obtained.

  (b) Adjust condensers C-1, C-2 Broadcast trimmer, and C-42 successively until a maximum reading of the output meter is obtained. Repeat these adjust-
- (a) Adjust condensers C-1, C-2 Broadcast trimmer, and C-2 successively that a maximum reading of the output meter is obtained. Repeat these adjustments several times to obtain best adjustment possible.

  (c) Turn Band Selector switch to Short Wave position. Set test oscillator to a frequency of 15,000 K.C. and tune receiver exactly to that signal. Adjust short wave condensers C-2 and C-41 to give maximum reading of the output meter.

  (d) Set oscillator to 12,000 K.C. and tune receiver exactly to that signal. Adjust short wave trimmer C-2. If considerable adjustment is necessary set this trimmer at a position midway between the positions occupied at the two 15,000 K.C. and 12,000 K.C. adjustments.

