

Sparton Model 87 Alignment Information

ALIGNMENT INSTRUCTIONS

Due to the arrangement of the R.F. coils in this model, alignment of all R.F. bands is very easily done.

I.F. ALIGNMENT

Set service oscillator at 456 K.C. and connect oscillator output lead to grid cap of 6A8 tube. Connect output meter in speaker circuit either across voice coil, or in series with a condenser between one 6F6G plate and ground. (Complete instructions are supplied with your output meter to suit that particular instrument). With service oscillator turned on, adjust trimmers C44A and B and C45 A and B for maximum output.

1. B.C. OSCILLATOR TRIMMER

Turn band switch to "white" or B.C. position. Set service oscillator at 1500 K.C. and turn set dial to 1500. Then, with oscillator output lead attached to aerial terminal, adjust trimmer C8 until signal is tuned in.

2. B.C. OSCILLATOR PADDER

Set service oscillator at 600 K.C. and turn set dial to 600. Adjust padder C11 until signal is tuned in. Recheck at 1500 as in section one.

3. B.C. R.F. TRIMMERS

With set tuned to 1500 and oscillator set at that frequency adjust trimmers C2 and C5 for maximum output.

4. "RED" BAND OSCILLATOR TRIMMER

Set service oscillator at 6000 K.C. and turn set dial to 6 on the Red band. Then adjust trimmer C9 until signal is tuned in.

5. "RED" BAND OSCILLATOR PADDER

Set service oscillator at 2000 K.C. Turn set dial to 2 on the Red band. Adjust padder C12 until signal is tuned in. Recheck at 6000 K.C. as in section four.

6. "RED" BAND R.F. TRIMMERS

Set service oscillator at 6000 K.C. and tune set to 6 (on Red band). Then adjust trimmers C3 and C6 for maximum output.

7. "BLUE" BAND OSCILLATOR TRIMMER

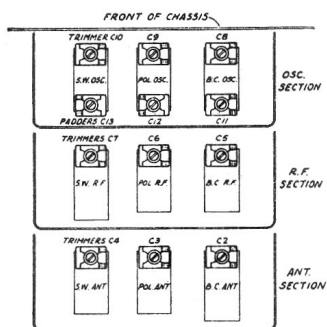
Set service oscillator at 15000 K.C. and turn set dial to 15 on the Blue band. Then adjust trimmer C10 until signal is tuned in.

8. "BLUE" BAND OSCILLATOR PADDER

Set service oscillator at 6000 K.C. and turn set dial to 6 on the Blue band. Adjust padder C13 until signal is tuned in. Recheck at 15000 as in section 7.

9. "BLUE" BAND R.F. TRIMMERS

With service oscillator set at 15000 K.C. and set tuned to that frequency, adjust trimmers C4 and C7 for maximum output.



BOTTOM VIEW OF 87 SHOWING TRIMMERS, PADDERS & COILS

