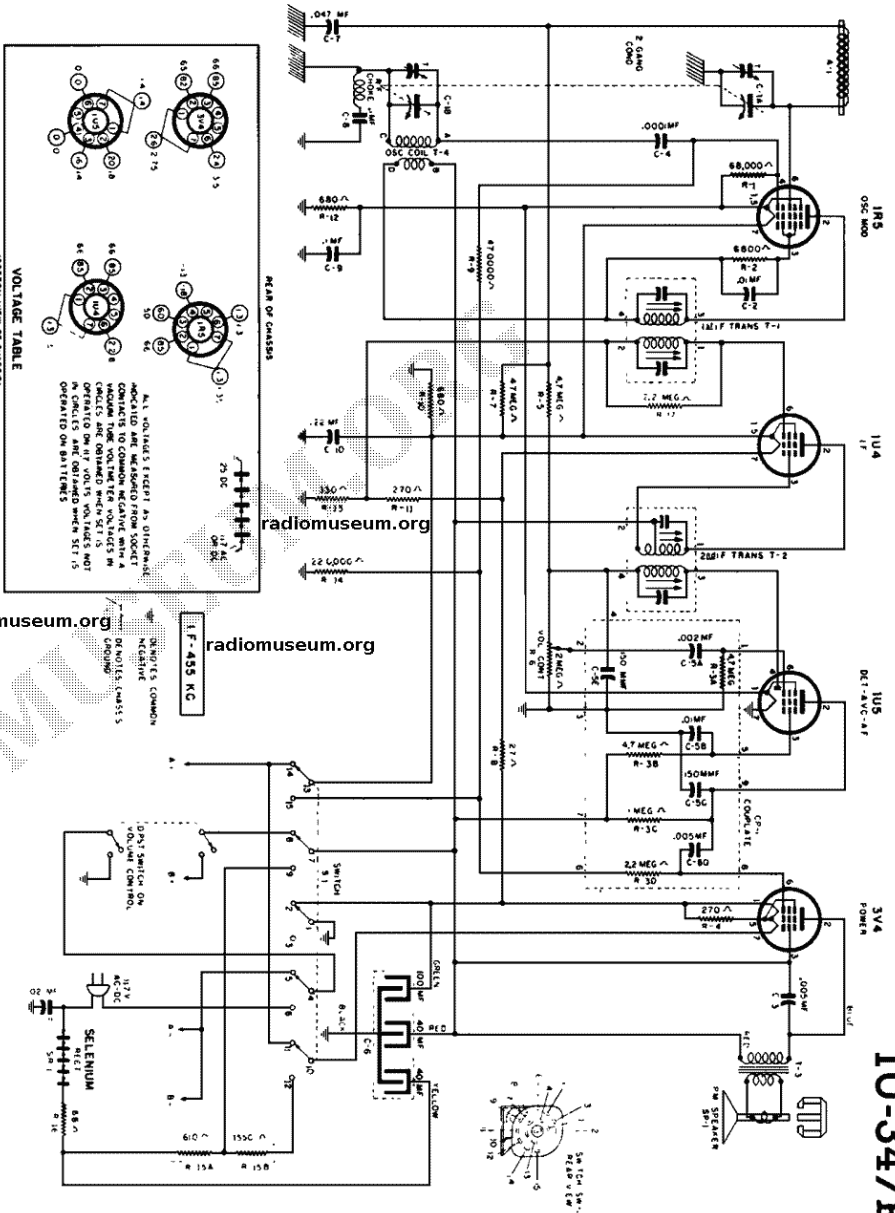


Sentinel Radio

MODELS
347P
1U-347P



ALIGNMENT PROCEDURE

When aligning the I.F. slugs use a non-metallic screwdriver. Use an accurately calibrated test oscillator with some type of output measuring device.

TO ALIGN 1650 KC OSCILLATOR AND 1400 KC ANTENNA TRIMMERS: Couple oscillator to receiver by: (1) make loop of five turns of No. 20 to 30 size wire, wound on a 2" or 3" form; (2) connect this loop across output of oscillator; (3) place test loop near radio antenna. **BE SURE THAT NEITHER LOOP OR RADIO MOVES WHILE ALIGNING.**

TEST OSCILLATOR

| Set receiver dial to: | Adjust test oscillator frequency to: | Use dummy antenna in series with output of test oscillator consisting of: | Attach output of test oscillator to | Refer to parts layout diagram for location of trimmers mentioned below: |
|---|--------------------------------------|---|--|--|
| Any point where no interfering signal is received | Exactly 455 K. C. | 0.2 MFD. Condenser | High side to pin 6 grid of 1B6 tube. Low side to common negative through a .02 MFD blocking condenser. | Adjust each of the 2nd I.F. transformer slugs for maximum output, then adjust each of the 1st I.F. transformer slugs for maximum output. |
| Rotate gang condenser to minimum capacity | Exactly 1650 K. C. | See Alignment Procedure above | See Alignment Procedure above | Adjust 1650 K. C. oscillator trimmer for maximum output. |
| Approximately 1400 K. C. | Approx. 1400 K. C. | See Alignment Procedure above | See Alignment Procedure above | Adjust 1400 K. C. antenna trimmer for maximum output. |

