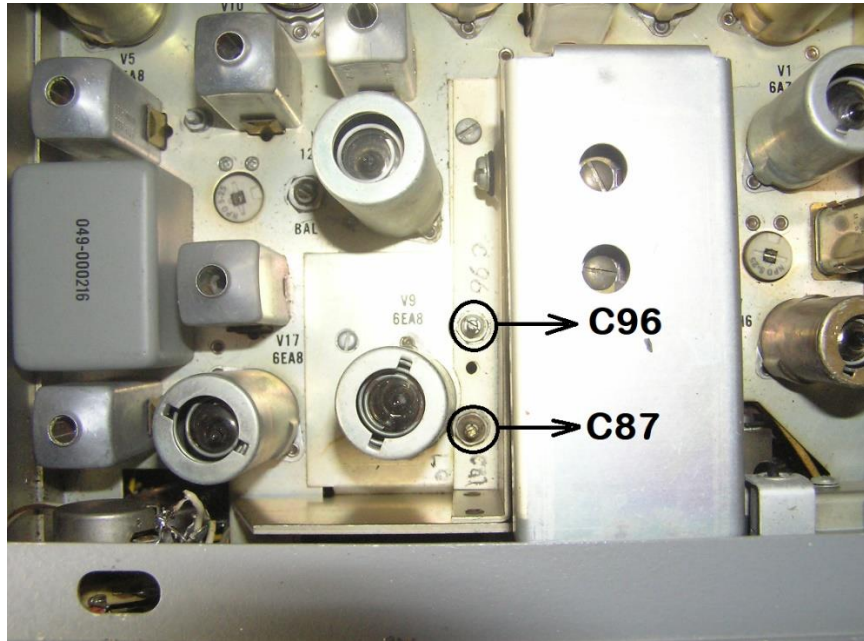


# SR-150 VFO QUICK ALIGN

## SETUP

Preset C87 to center. Carefully rotate the screw clockwise until it hits the stop. Then rotate counterclockwise **COUNTING THE TURNS** until you hit the stop again. Now go clockwise half the total turns.



Power up, warm up (30 minutes), adjust the VFO to 300 on the dial, OPERATION to STANDBY, FUNCTION to LSB, RIT to OFF, CAL ADJ to center of its rotation, RIT control to center of its rotation.

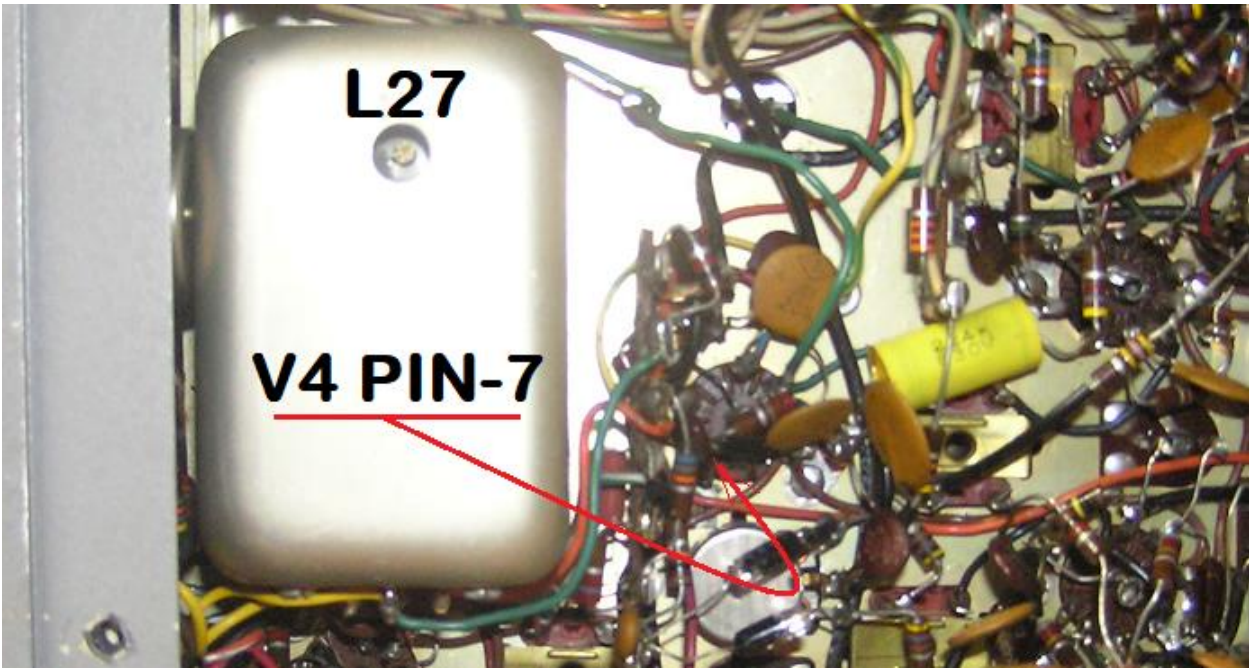
## ADJUSTMENT

Connect a frequency counter to pin 7 of V4. With the VFO dial set to 300 adjust L27 for an output frequency of 4.5519MHz. That will be your starting point. Then go back and forth from 100 to 400 on the dial. Adjust L27 for 4.7519MHz at 100 and C87 for 4.4519 at 400. It can be tedious since the adjustments do interact. A technique of over or under correction on one end or the other may be needed.

Once you are satisfied with the alignment at 100 and 400 check the frequency at 0, 100, 200, 300, 400, and 500. You are shooting for the following:

DIAL	FREQUENCY
0	4.8519 MHz
100	4.7519 MHz
200	4.6519 MHz
300	4.5519 MHz
400	4.4519 MHz
500	4.4519MHz

The spec tolerance is +/- 1KHz at any point on the dial. However, experience has shown that a properly operating VFO can easily meet +/- 500Hz. Remember dial accuracy across the band is dependent on the accuracy of all the oscillators. Better performance is well worth extra effort in the alignment.



**You are not quite done yet. Once you are satisfied with the alignment switch from LSB to USB the VFO should drop 3600Hz. If not adjust C96 to get it right on.**

**Now you are done.**