
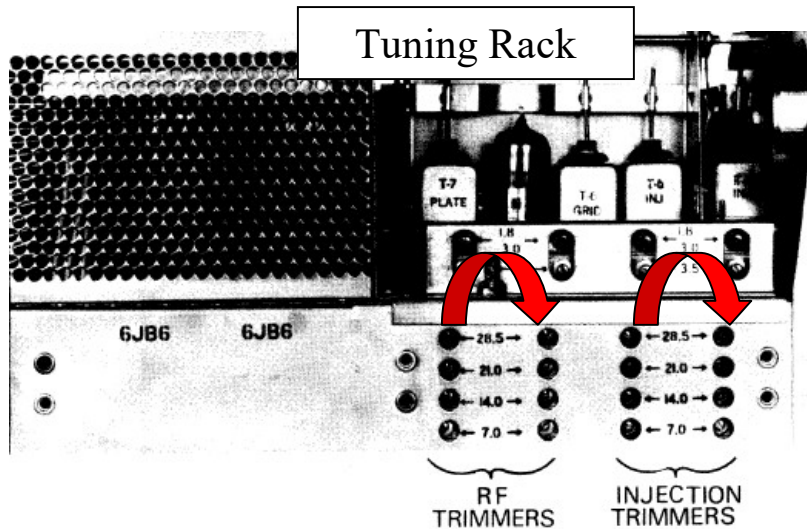


## T4X Series RF and Mixer Stage Rack Alignment Notes

When doing an alignment, you might find the RF and or injection trimmer capacitors are loose and won't stay in alignment, or to tight and hard to adjust. It could be one, or several. It could be on a single band or several. When doing the RF & Mixer alignment it's important for the trimmers to stay secure after alignment.


To snug up a loose trimmer capacitor:

- 1) Load up the transmitter, per the manual, on the band needing trimmer adjustments.
- 2) Lower your drive to 200ma or less.
- 3) Adjust the RF TUNE knob clockwise until plate current has dropped 50% or more.
- 4) If you have a watt meter in line, this is the preferred indicator for peaking the output in the following steps. .
- 5) Re adjust (peak) the RF and Injection trimmers  clockwise (tighten).
- 6) Repeat this procedure if the trimmers are still loose. They should be just snug enough to hold position on their own and not to tight.



clockwise (tighten).

You should now have normal power output that peaks in a slightly different part of the RF tune control. The trimmers should now be snug, but not tight so they will maintain alignment.

The procedure is the same if the trimmers are to tight and need to be loosened up a bit except the RF tune control and injection trimmers will be rotated counter  clockwise.

