

THE C TEAM

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HOPPING UP THE 8719 RECIEVER

Someone stated before that not enough attention is being paid to the reciever of all these multi frequency converted radios.I for One agree with that statement and intend to do something about it.That something follows.This is for the single conversion chassis.Like the Washington,140 & 142GTL etc.

- 1.Change R39 to a 330 ohm.
- 2.BRIDGE L9 with a 1pf cap.From primary hot side to secondary hot side.(Sides opposite power supplys and grounds.)
- 3.Parallel C42 and C44 with 1pf caps or replace with 3pf caps.

I know whats going through your mind at this point."Why bother with just 1pf? Why not two or three?"...Well if you do try 2 or 3pf you'll figure it out real quick!

NOTE:DO "NOT" parallel C38 with a 1pf.This actually degrades the broadbanding effect of the cap bridged accross L9.

- 4.Replace C166 (in FT2s' holes) with a 33pf cap.If unit has FT2,leave FT2 in.
- 5.Remove R58 and replace with a 10 ohm resistor.Keep the leads short!If the radio goes into oscillations (noted by a repeated chirping sound),you will have to increase the resistance of the new R58.Go up in 50 ohm increments.

TUNE UP

- 1.Go to the center of your frequency spread.Adjust L10,L7,L6,& L5,here for peak WEAK signal reading on S/RF meter.Don't try to adjust them using an S9 signal!

- 2.Go to your highest frequency now and adjust L9 for peak.

- 3.Now go to your lowest frequency and adjust L8 for peak.Bounce back and forth between these two adjustments until you have a satisfactory balance of recieve gain.

NOTE:You don't have to have a signal generator to do the alignment.You can just use background noise and get it pretty close,but,listen closely!

One thing you will notice as soon as you start using the radio is an increase in bleedover.This happens when you increase the gain of the IF stage such as we've done.If you can't stand the bleedover you have 2 choices to get rid of it.First,you can order an extra FT2 and mount it in series with the present one (or install one if radio doesn't have one.)or...#2.Put the old R58 back in.Don't try replacing R58 with a pot.You'll be tuning in all kinds of AM BROADCAST radio stations!

If your radio does not have an RF GAIN,I would suggest that you install one.You're going to need it now!