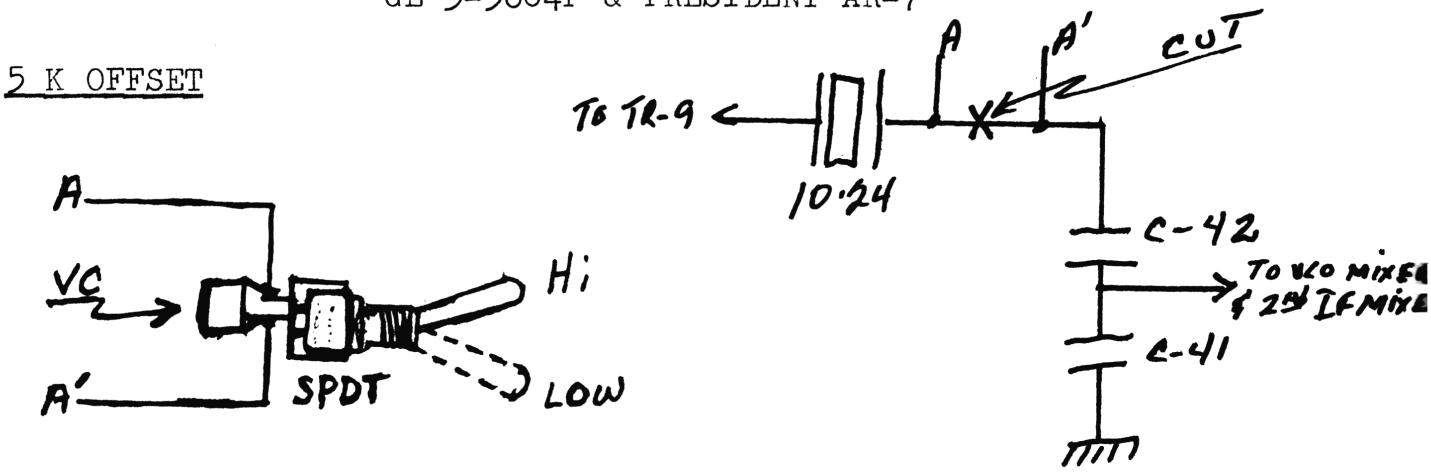
5 K OFFSET



1. Wire the SPDT switch and the variable capacitor (supplied) as shown above.

2. Cut the printed circuit trace as shown between the 10.24 crystal and C-42.

3. Solder the two wires from the SPDT switch on each side of this cut as shown.

4. With the channel selector on ch. 10 and the SPDT switch in low position apply power to the unit. Check the TX-frequency for a reading of 27.075. If the reading is too low replace C-42 with a smaller value capacitor (approx. 47pf.), then trim on frequency by adding very small value capacitors in parallel with it. (printed circuit side.)

5. Switch the SPDT switch to Hi position and adjust the VC for a TX-frequency reading of 27.080.

> NOTE: These units are mid-size units but it might be difficult to mount the epoxy pack on the same side of the unit as the PLL chip is located. You will find sufficient space on the opposite side.

CHANNEL CONVERSION - GE 3-5804F & President AR-7

1. Remove FL-1 (ceramic filter). Solder cable #1 in its place. Put the white or yellow wire on the side the is connected to L-4.

2. Remove R-47.

3. Separate the three wires of cable #2. Solder the orange wire to the point where R-47 was connected to pin 8 of the PLL chip. Solder the brown wire to the other point where R-47 was connected

4. Solder the red wire to pin 1 of the PLL chip.

5. With the channel selector on ch.10, the SPDT switch in low position and the epoxy pack switch in normal position, apply power to the unit. Peak the receiver in your normal manner. Mark the settings of L-4 & L-6.

6. Switch the epoxy pack switch to the low position. Inject a low signal level of 26.620, or use a previously modified unit on the same settings. Repeak the receiver. First bring it to peak by adjusting L-4, then back it off by 1/3 of the increase in signal that the adjustment made. Next bring the receive to peak again using L-6. Again back it off by 1/3 of the gained signal strength.

7. Mount the epoxy pack using the mounting hints.