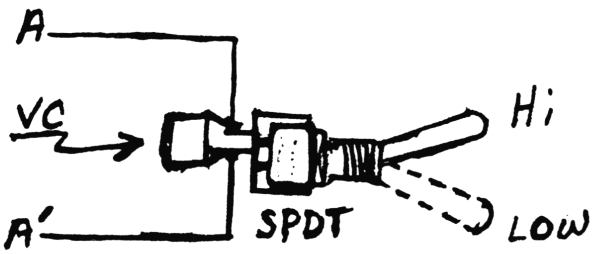
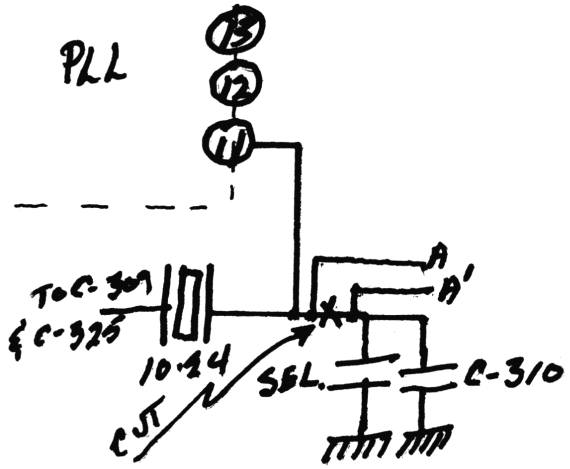
5K OFFSET





NOTE: This unit like the Colt-355 is an extra small unit and it is hard to even find space for the epoxy pack. We strongly suggest using the existing switch IF 5K Offset is desired.

1. If you do select to incorporate the 5K Offset, cut the printed circuit trace between the 10.24 crystal and C-310 with its selected trimmer. as shown above.

2. Solder the two wires from the installed VC to each side of the cut trace.

3. With the channel selector on ch.10 and the switch in the position that would short across the VC, apply power to the unit. Check the TX-frequency for a reading of 27.075. If the reading is too low remove or replace the sel. parallel capacitor . A change of 1pf. will shift the frequency ± 100 to 200 Hz.

4. Switch the existing switch to its other position and adjust the VC for a reading of 27.080.

CHANNEL CONVERSION - K-40's K-401

1. Remove CF-1 (10.7 creamic filter). Solder cable #1 in its place. Put the white or yellow wire on the side that is connected to L-203.

2. Cut the printed circuit trace between the anode of D-401 and pin 20 of the PLL chip.

3. Separate the three wires of Cable #2. Solder the orange wire to pin 20 of the PLL chip. Solder the brown wire to the side of the cut trace connected to the anode of D-401.

4. Solder the red wire to pin 18 of the PLL chip.

5. With channel selector on ch. 10, the existing switch on shorted position and the epoxy pack switch on normal position, apply power to the unit. Peak the unit in your normal manner. Mark the settings of L-203 & L-204.

6. Switch the epoxy pack switch to the low position. Inject a low signal level of 26.620 or use another unit previously modified on the same settings. Repeak the receiver usingL-203 and L-204 only. First peak using L-203 then back it off by 1/3 of the achieved gain in signal strength. Then peak again using L-204. Back it off by 1/3 of the increase in signal strength.

7. Mount the epoxy pack using the mounting hints.