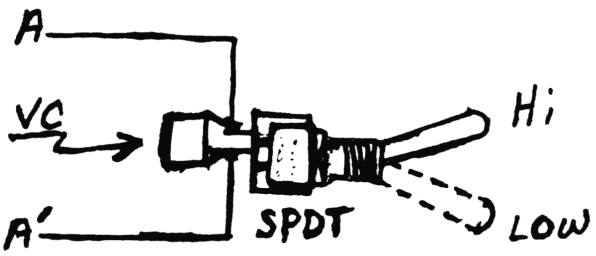
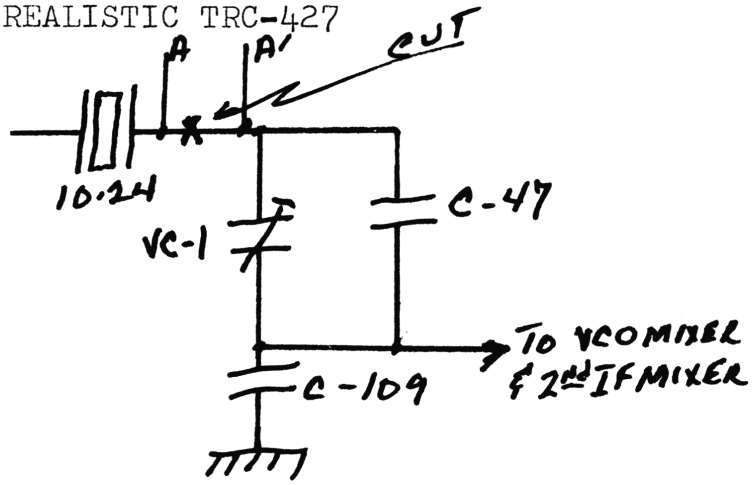
MIDLAND 77-824B & REALISTIC TRC-427

5 K OFFSET





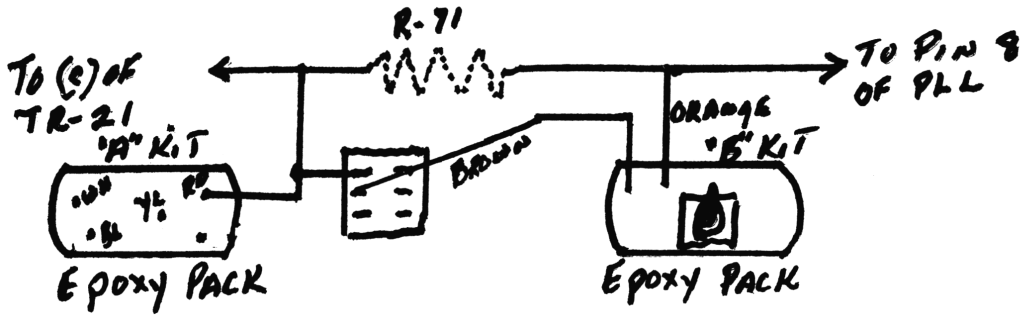
1. Wire up the SPDT switch and the variable capacitor (supplied) as shown above.

2. Cut the printed circuit trace as shown between the 10.24 crystal and C-47 with its parallel VC-1.

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 on low position apply power to the unit. Check the TX-frequency for a reading of 27.075. If needed adjust VC-1 to obtain this reading.

NOTE: These are larger units and can easily accommodate both the "A" & "B" kits. Refer to the data on Cobra 21 & 25 GTL & LTD. The removed resistor would be R-71 instead of R-58.



CHANNEL CONVERSION-- Midland 77-824B & Realistic TRC-427

1. Remove CF-1 (10.7 ceramic filter). Solder cable #1 in its place. Put the white or yellow wire on the side that is connected to L-3.

2. Remove R-71.

3. Separate the three wires of cable #2. Solder the orange wire to the point where R-71 was connected to pin 8 of the PLL chip. Solder the Brown wire to the other point where R-71 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-3 & L-4.

6. Switch the epoxy pack switch to its low position. Inject a low signal level of 26.620, or use another unit that was previously modified on the same settings. Repeak the receiver. First use L-3 and bring the receiver to peak, then back it off by 1/3 of the increase in signal strength gain. Next, bring the receiver to peak agin using L-4, then back it off by 1/3 of the increase in signal strength.

7. Mount the epoxy pack using the mounting hints.