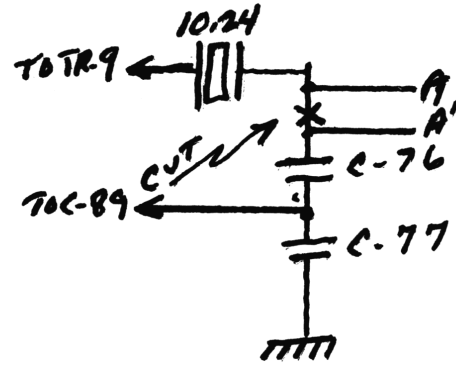
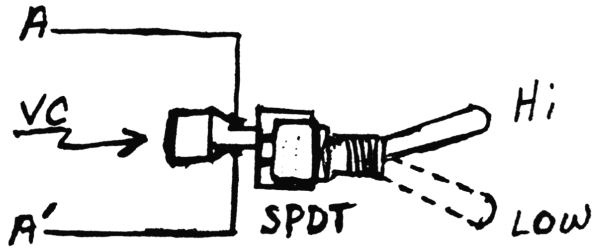


5K OFFSET



1. Wire up the SPDT switch and the variable capacitor (supplied) as shown above.
2. Cut the printed circuit trace as show, between the 10.24 crystal and C-76.
3. Solder the two wires from the SPDT switch on each side of the cut trace.
4. With the channel selector switch 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 it is too low change C-76 (47pf) to a smaller value capacitor, about 39pf. Now add small capacitance if needed in parallel to bring the reading back down.
5. Switch the SPDT switch to the Hi position and adjust the VC for a TX-frequency reading of 27.080.

Note: The COBRA 18LTD, President-AX4, & Stalker 3 may be modified in this same manner except you will have to add a 10.695 tank in the place provided and remove the collector load resistor.

CHANNEL CONVERSION - COBRA 20LTD

1. Remove FT-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-16.
2. Remove R-63.
3. Separate the three wires in cable #2. Connect the orange wire to the point where R-63 was connected to pin 8 of the PLL chip. Connect the brown wire to the other point where R-63 was removed.
4. Connect 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 position of L-16.
6. Switch the epoxy pack switch to low position. Inject a low signal level of 26.620, or use a previously modified unit on the same settings. Repeat the receiver using L-16 only. Note the amount and direction of adjustment required. When you achieve peak back off the adjustment by $\frac{1}{2}$ of the signal level increase.
7. Mount the epoxy pack using the mounting hints.

Note: In most cases the epoxy pack will have to be mounted on the opposite side from the PLL chip.

