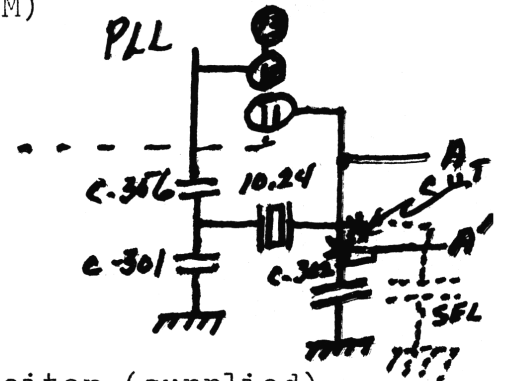
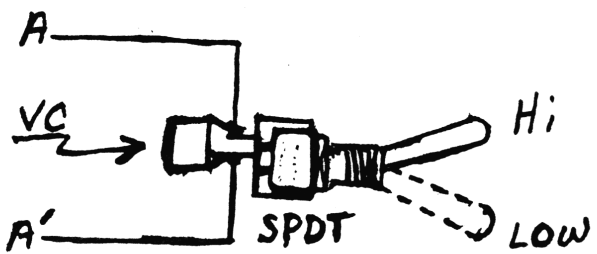


COBRA -19X, COLT -210, GE-3-5805B, MAXCOM-4A
 MIDLAND 100M, 102M, 150M, 151M, 800M, 2001, 3001,4001

5K OFFSET (not recommended for the Midland 800M)



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-302 withits parallel capacitor if present.
3. Solder the two wires from the SPDT switch on each side of the cut as shown above.
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 the reading is too low decrease the value of C-302 or if there is a selected parallel capacitor, change its value. If the reading is too high then increase the value of C-302 or its parallel capacitor.
5. Switch the SPDT switch to the Hi position and adjust VC for a TX-frequency reading of 27.080.

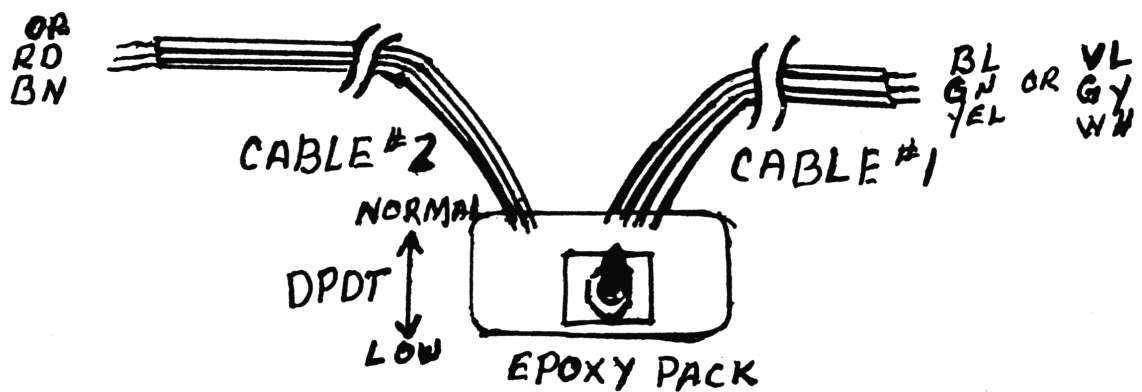
NOTE: The Colt-355 is a very small unit. Space to mount even the epoxy pack is difficult, so we suggest that IF 5K OFFSET is to be used that you use the existing switch.

ALSO

Most of these units are large enough to accommodate both the "A" & "B" kits. Read modification for COBRA-21&25GTL & LTD. Adapt in the same manner except there would be a cut where the R-58 was.

CHANNEL CONVERSION - Cobra 19X, Colt 210, GE 3-5805B, Maxcom 4A, Midland 100M,102M,150M,151M,800M,2001,3001,4001

1. Remove CF-1 (10.7 Ceramic filter). Solder cable #1 in its place. Put the white or yellow wire to the side that is connected to L-103.
2. Cut the printed circuit trace running between the Anode of D-206 and pin 20 of the PLL chip. (On most of these units this run is right on the front edge of the mother board and can easily be nicked.)
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 connected to the anode of D-206.
4. Solder the red wire to pin 18 of the PLL chip.
5. With the channel selector on ch. 10, the SPDT switch on 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-103 & L-104.
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. Repeat the receiver. First peak using L-103. Bring it to peak then back it off by 1/3 of the increased signal strength. Now peak using L-104, bring it to peak and then back it off by 1/3 of the increase in signal strength.



7. Mount the epoxy pack using the mounting hints.