

SLIDER

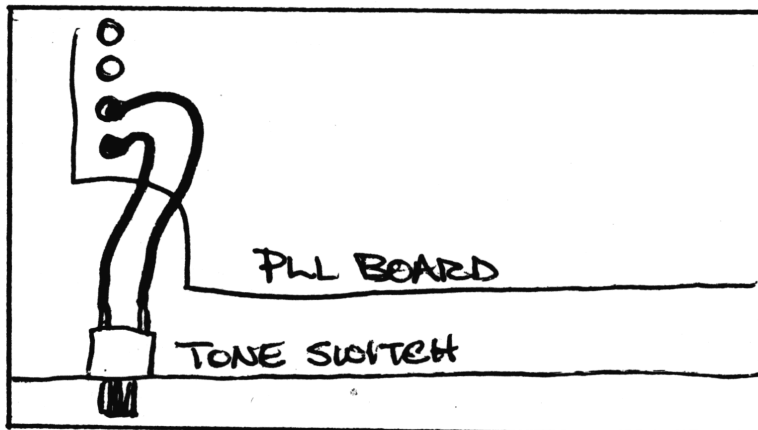
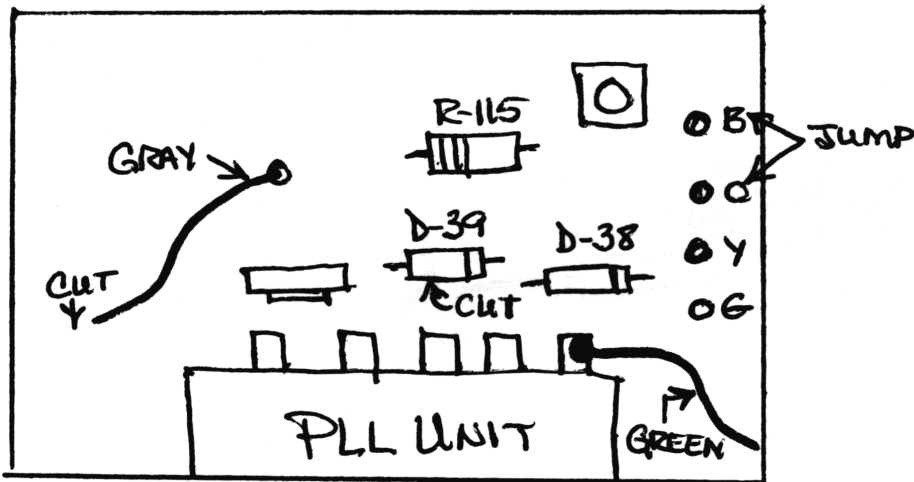
1. Remove the unit from its cabinet and locate D-39, just behind the PLL circuit and cut it out.
2. Follow the gray wire to its other end and cut it loose from the board as shown in the figure.
3. Solder the cut end of the gray wire to the end terminal on the PLL unit, which also has a ~~green~~ YELLOW wire attached to it.
4. Solder a small jumper wire between the black wire and the orange wire located on the right side.
5. The clarifier will now slide up 2 KHz and down 5 KHz.

MODULATION

1. Locate C-96 in the far left corner of the circuit board and cut it out, thus removing the limiter and allowing full modulation on both AM and SSB.

27.145 MHz

1. Remove the two wires from the tone switch and tape them out of the way.
2. Solder two wires approximately 4" long to the switch and connect the other ends to the first two terminals on the PLL circuit board as shown.
3. With the switch pulled out, channel 15 becomes 27.145 MHz and channel 16 becomes 27.165 MHz.



COURIER SPARTAN/GLADIATOR/CENTURION PLL
CHANNEL EXPANSION

1. Remove the top cover of the unit and the PLL circuit cover plate.
2. Carefully count 6 pins towards the front of the unit and cut the pin as shown in the figure.
3. Obtain a 4700 ohm resistor and a 1N60 diode and solder them to the IC side of the cut pin as shown.
4. Mount a SPST switch in a convenient place and wire it up so as to correspond to the diagram.
5. To use the switch on the 23 channel models, the channel selector must be on channels 8 through 22. On the 40 channel units, it is functional on channel 8 and up.
6. NOTE: if the unit is a 40 channel, do not use wire B on the switch as it is not needed. If the unit is a 23 channel, the switch must have a center off position.

