

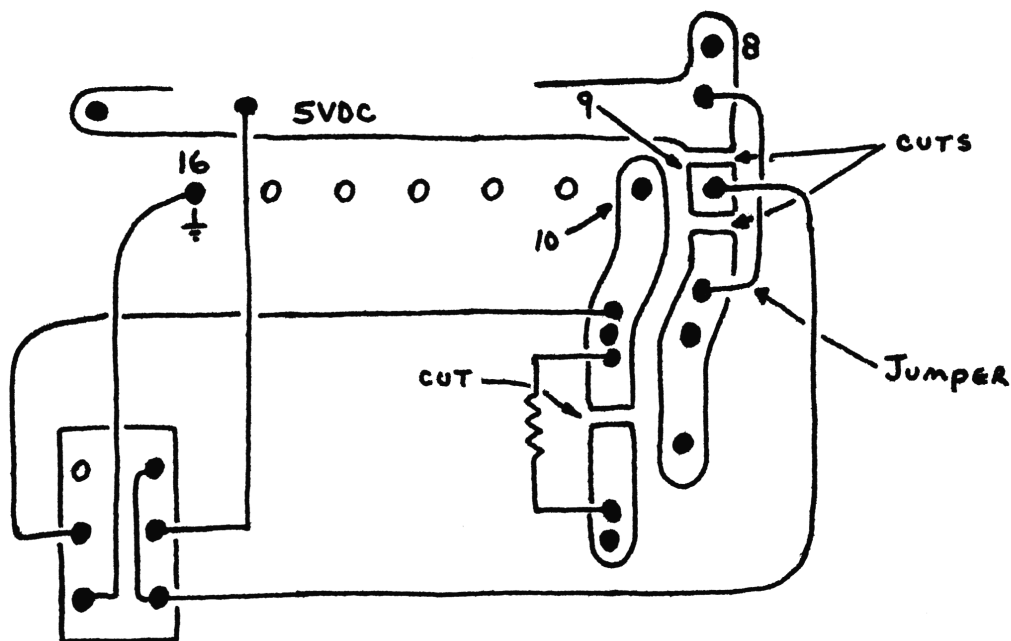
PANASONIC RJ3150

26.325-26.955MHz Modification

Follow steps below exactly! (*)-See drawing for amplification....

1. Change X2 to a 28.875MHz crystal.
2. Change X3 to a 18.18MHz crystal.
3. Change D10 to a 'Super Diode', this will increase the VCO's range.
- * 4. Cut run between pin 10 and the channel selector.
- * 5. Bridge cut with 1K $\frac{1}{4}$ watt 5% resistor.
- * 6. Isolate Pin 9 completely from the 5VDC buss line, don't forget to install the jumper.
- * 7. Wire up the Double Pole-Double Throw-Center Off switch exactly as shown.

CAUTION: Some units might have a squeal on transmit; this is caused by changing D10 to a 'Super Diode'. If adding a lpf in parallel to the diode doesn't cure the problem; you will have to go back to the original varactor; and settle for less bandwidth!



If switch is wired exactly as shown will have the following:

Switch DOWN: Selector Position 1-40; 26.325 - 26.765MHz

Switch UP: Selector Position 1-27; 26.645 - 26.955MHz

Switch CENTER: Normal Operation..