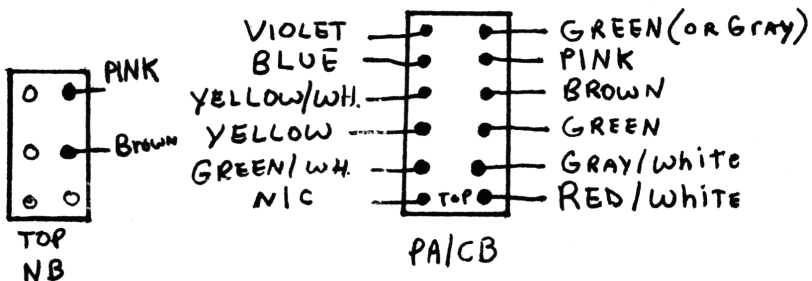


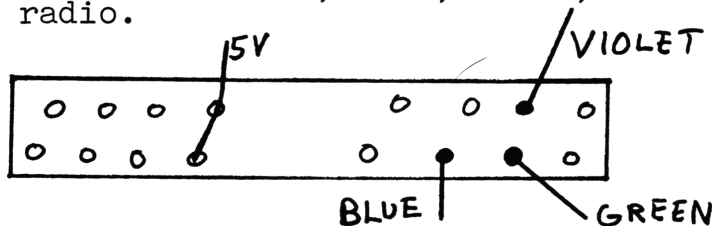
Channel expansion using NB and PA/CB switches. Below is a drawing of how the original switches should look, viewed with component side of chassis up.



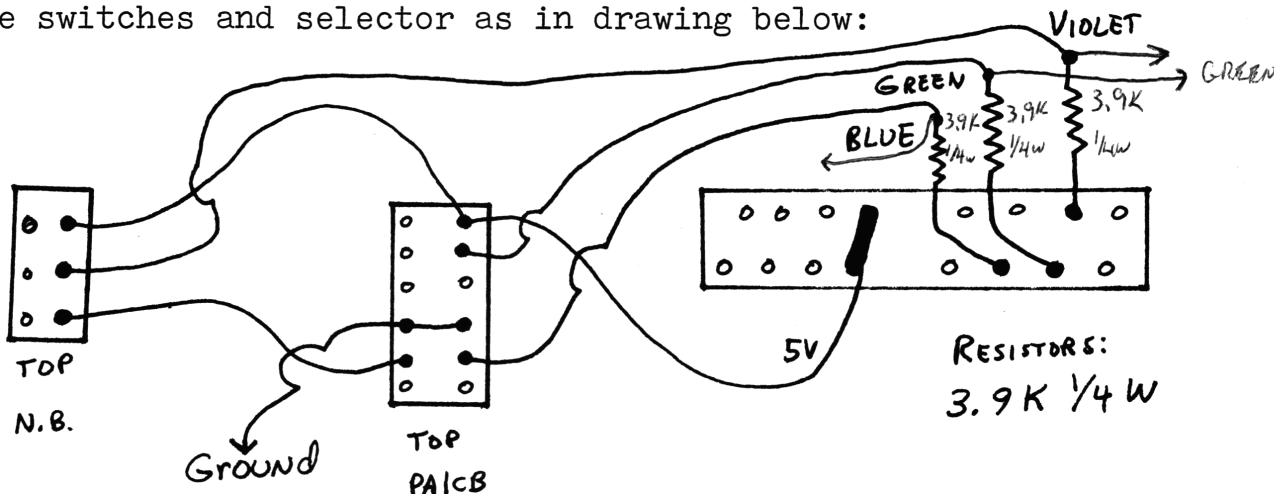
NB: Remove PINK and BROWN wires from switch, solder together and tape.

PA/CB: Remove VIOLET and BLUE wires from switch, solder together and tape.  
 Remove YELLOW and GREEN/WHITE wires from switch, solder together and tape.  
 Remove GREEN and PINK wires from switch, solder together and tape.  
 Remove GREEN and GRAY/WHITE wires from switch, solder together and tape.  
 Remove all remaining wires from switch and tape individually.

Below is a diagram of the CHANNEL SELECTOR SWITCH. Locate and unsolder 3 wires, BLUE, GREEN, AND VIOLET. Remove from radio.



Wire switches and selector as in drawing below:

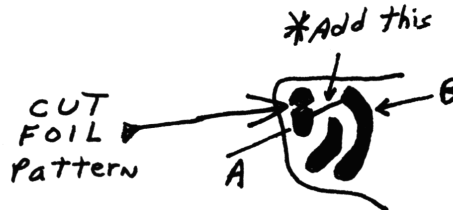


4730 con"t. Slider Info.

1. Locate BLUE wire that goes from the center of the FINE TUNE control over to the relay on PC board. Lift this wire at relay end.
2. Locate the junction of L2-R107. Resolder BLUE wire to that point.
3. Remove R104 variable resistor.
4. Retune L5 and L6 for center frequency.

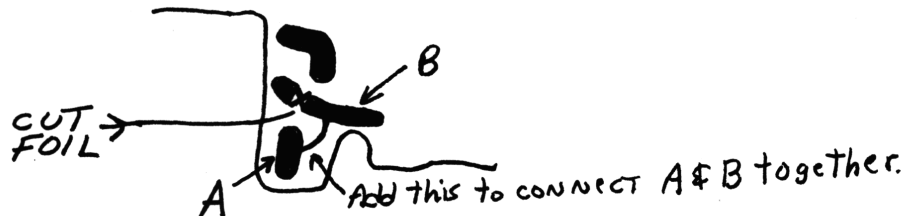
HOW TO BROADBAND THE VCO AND XMTR COILS:

Locate T406 VCO Output transformer and modify pc board as per drawing.



\*SHORT POINTS A & B together

Locate T701 and modify as per drawing.



Peak out and adjust as necessary for frequency coverage the following coils: T406, T701, T702, C746, T703, T704, T705, & T706. C738 is the TVI adjustment. R725 is SSB ALC; R207 is AMC; R727 RF Meter.

You will have to retune the PLL (T1, L3, L4) and T406 & T701 for complete coverage.

JOHNSON Model 4730 Frequency Chart follows:

CH.	PA/CB UP;NB DOWN;	PA/CB UP;NB UP;	PA/CB DOWN;NB UP;
01	27.605	26.965	26.965
02	.615	.975	.975
03	.625	.985	.985
04	.485	.845	27.005
05	.495	.855	.015
06	.505	.865	.025
07	.515	.875	.035
08	.535	.895	.055
09	.545	.905	.065
10	.555	.915	.075
11	.565	.925	.085
12	.585	.945	.105
13	.595	.955	.115
14	.605	.965	.125
15	.615	.975	.135
16	.635	.995	.155
17	.485	.845	26.525
18	.495	.855	.535
19	.505	.865	.545
20	.525	.885	.565
21	.535	.895	.575
22	.545	.905	.585
23	.575	.935	.615
24	.555	.915	.595
25	.565	.925	.605
26	.585	.945	.625
27	.595	.955	.635
28	.605	.965	.645
29	.615	.975	.655
30	.625	.985	.665
31	.635	.995	.675
32	.485	.845	.685
33	.495	.855	.695
34	.505	.865	.705
35	.515	.875	.715
36	.525	.885	.725
37	.535	.895	.735
38	.545	.905	.745
39	.555	.915	.755
40	.565	.925	.765