

## CRAIG L-132, L-232

### CLARIFIER & CHANNEL EXPANSION

#### SLIDER

1. The white wire from the clarifier should be cut loose from the P/C board and reconnected to ground. Connect the black/white wire from the clarifier pot to Pin 3 of IC5.
2. Remove R142 and D55. This will allow +1.5 and -5 KHz slide.
3. For more slide, replace D-54 with a Super Diode. By placing a Super Slide in series with the Super Diode, you can have as much as 30KHz slide.
4. For AM power, adjust VR6 for maximum.
5. For SSB power, adjust L26, L27, L28, L29, L36 for maximum peak power with a 1000 Hz. tone.
6. For SSB ALC, adjust VR7 for maximum, and for AM ALC, cut the collector of TR32.
7. "S" Meter adjust: VR1  
Power Meter adjust: VR10  
Squelch Range adjust: VR2

#### EXTRA FREQUENCIES:

Replace X4, 11.2858 MHz crystal with:

- 11.4358 - for 27.415 to 27.855
- 11.5858 - for 27.865 to 28.305
- 11.7974 - for 28.500 to 28.940
- 11.946 - for 28.950 to 29.390

## CRAIG L-131, L-231

### CLARIFIER & CHANNEL EXPANSION

#### SLIDER:

1. Cut the gray and green wires just to the left of the T/R relay and solder them together.
2. Cut the blue wire (next to the relay) and solder it to P/C board ground.
3. ~~Remove C24 of the PLL circuit board and also~~ replace CR4 with a Super Diode.

CRAIG L-131, L-231 (Cont'd):

FREQUENCY EXPANSION:

1. At the top of the channel selector board lift the blue-white wire from the number 6 on the board and solder it to an on-off switch. Connect hook-up wire between the switch and number 6 on the channel selector board.
2. Lift the yellow-white wires from the number 4 on the board. Solder it to an on-off switch. Connect some hook-up wire between the switch and number 4 on the board.
3. Solder a wire to number 8 on the board and run it to an on-off switch. Solder a wire to number 7 on the board to the same switch.
4. For normal 1-40, switch 1 on, switch 2 on, switch 3 off. If the VCO L-3 does not go to 27.795, change the CR1 to a Super Diode.

FREQUENCY CHART

S-1 OFF, S-2 ON, S-3 OFF:

17 -27.485	29 - 27.615
18 27.495	30 27.625
19 27.505	31 27.635
20 27.525	32 27.645
21 27.535	33 27.655
22 27.545	34 27.665
23 27.575	35 27.675
24 27.555	36 27.685
25 27.565	37 27.695
26 27.585	38 27.705
27 27.595	39 27.715
28 27.605	40 27.725

S-1 ON, S-2 OFF, S-3 OFF:

33 27.415	37 27.455
34 27.425	38 27.465
35 27.435	39 27.475
36 27.445	

S-1 OFF, S-2 OFF, S-3 OFF:

33 27.735	37 27.775
34 27.745	38 27.785
35 27.755	39 27.795
36 27.765	

FREQUENCY CHART

S-1 ON, S-2 ON, S-3 ON:

17	26.525	29	26.655
18	26.535	30	26.665
19	26.545	31	26.675
20	26.565	32	26.685
21	26.575	33	26.695
22	26.585	34	26.705
23	26.615	35	26.715
24	26.595	36	26.725
25	26.605	37	26.735
26	26.625	38	26.745
27	26.635	39	26.755
28	26.645	40	26.765

S-1 ON, S-2 OFF, S-3 ON:

33	26.775	37	26.815
34	26.785	38	26.825
35	26.795	39	26.835
36	26.805		

S-1 OFF, S-2 ON, S-3 ON:

17	26.845	29	26.975
18	26.855	30	26.985
19	26.865	31	26.995
20	26.885	32	27.005
21	26.895	33	27.015
22	26.905	34	27.025
23	26.935	35	27.035
24	26.915	36	27.045
25	26.925	37	27.055
26	26.945	38	27.065
27	26.955	39	27.075
28	26.965	40	27.085