

NEW PALOMAR SSB 500

Using LC7120 Chip

CHANNEL EXPANSION

1. Disconnect pins #7 and #8 of IC #7 from the printed circuit board. Reconnect each pin through a single-pole single throw toggle switch.
2. NORMAL CHANNELS - Both switches ON. 27.860 - 27.420 - #7 and #8 OFF. 27.875 - 28.315 - #7 off and #8 on. Below channel 1 coverage, both switches are off.

CLARIFIER EXPANSION

3. On clarifier control VR401, remove black wire from printed circuit board at junction with 1K ohm resistor and connect to PC board ground.
4. Remove brown wire at printed circuit board from junction of R119 and D32 and connect to cathode of D44.
5. Remove R119.
6. Remove pink wire from D29 anode.
7. Remove D29 and D30.
8. Install pink wire at D29 cathode.

CONVERSION CHART

PIN 7:

1	27.420	11	27.540	21	27.670	31	27.770
2	27.430	12	27.560	22	27.680	32	27.780
3	27.440	13	27.570	23	27.710	33	27.790
4	27.460	14	27.580	24	27.690	34	27.800
5	27.470	15	27.590	25	27.700	35	27.810
6	27.480	16	27.610	26	27.720	36	27.820
7	27.490	17	27.620	27	27.730	37	27.830
8	27.510	18	27.630	28	27.740	38	27.840
9	27.520	19	27.640	29	27.750	39	27.850
10	27.530	20	27.660	30	27.760	40	27.860

PIN 8:

1	27.875	11	27.995	21	28.125	31	28.225
2	27.885	12	28.015	22	28.135	32	28.235
3	27.895	13	28.025	23	28.165	33	28.245
4	27.915	14	28.035	24	28.145	34	28.255
5	27.925	15	28.045	25	28.155	35	28.265
6	27.935	16	28.065	26	28.175	36	28.275
7	27.945	17	28.075	27	28.185	37	28.285
8	27.965	18	28.085	28	28.195	38	28.295
9	27.975	19	28.095	29	28.205	39	28.305
10	27.985	20	28.115	30	28.215	40	28.315