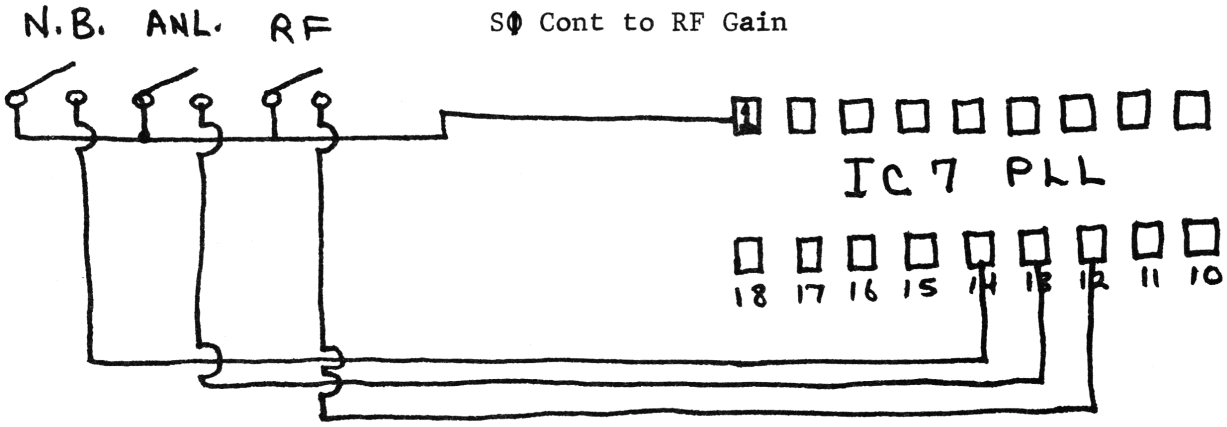
PALOMAR SSB 500

CHANNEL EXPANSION AND SLIDE CHANGE
SΦ Cont to RF Gain



1. Cut Leads from NB SW and solder the wires together.

2. Cut Leads from RF SW and tape back.

3. Cut Leads from ANL SW and tape back.

4. Run a wire from pin 1 IC7 to the common of the NB ANL and RF switch. Run 3 wires from the NO position of the NB -RF ANL switch to pin 14-13-12. This completes the channel expansion from 27.415 to 27.965.

5. Slide Mod - Remove D30 - R119 - R162 and D32. Replace R-162 4.7K~ with a 1K~. Install R119 100~ ¼w ristor from C-135 pos side to C110 pos side on the PC side of the board. Short R116. This completes the slide +2.5 -5 KHZ.

6. Cut leads from SΦ cont. Solder red & brown wires together and tape. Solder orange wire from RF Gain SW to middle SΦ cont. Red wire from RF SW to term closest to vol control, tape the black wire. Adjust VR2 for RF Gain range. This completes the change from SΦ to RF Gain

7. SSB ALC cut C155 Adjust VR408 for max L28 for Max with 2 tone source.

8. Power AM - Adjust VR8 Max L29 L30 - L32 for Max PEP with 1000 HZ tone.

9. For Max FΦ spread - adjust L37 - L38 - L39 for Max AM power and Mod over the range.

OFF	NB	ANL	NB+ANL	RF	NB+RF	ANL+RF	NB+ANL+RF
33	27.415	27.495	27.575	27.655	27.735	27.815	27.895
34	27.425	27.505	27.585	27.665	27.745	27.825	27.905
35	27.435	27.515	27.595	27.675	27.755	27.835	27.915
36	27.445	27.525	27.605	27.685	27.765	27.845	27.925
37	27.455	27.535	27.615	27.695	27.775	27.855	27.935
38	27.465	27.545	27.625	27.705	27.785	27.865	27.945
39	27.475	27.555	27.635	27.715	27.795	27.875	27.955
40	27.485	27.565	27.645	27.725	27.805	27.885	27.965

NB	41-48
ANL	49-56
NB+ANL	57-64
RF	65-72
NB+RF	73-80
ANL+RF	81-88
NB+ANL+RF	89-96