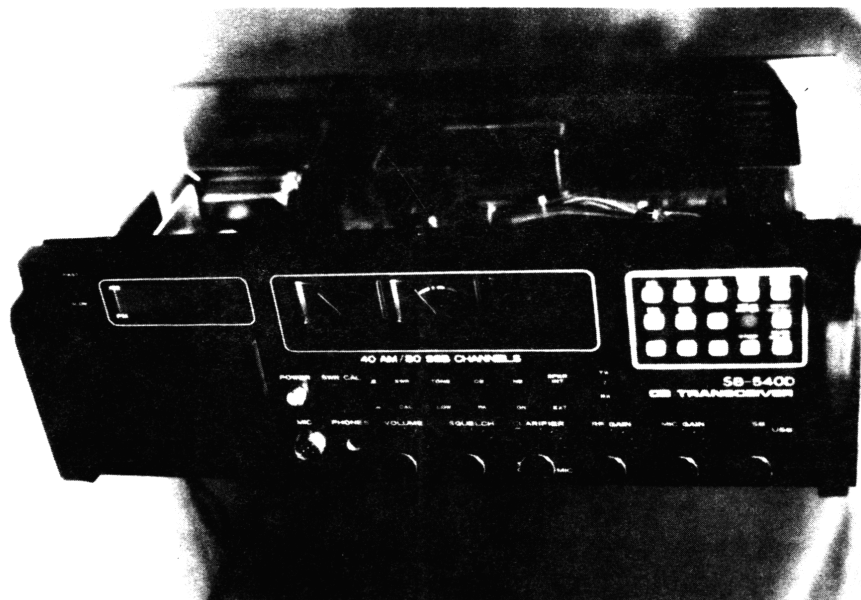


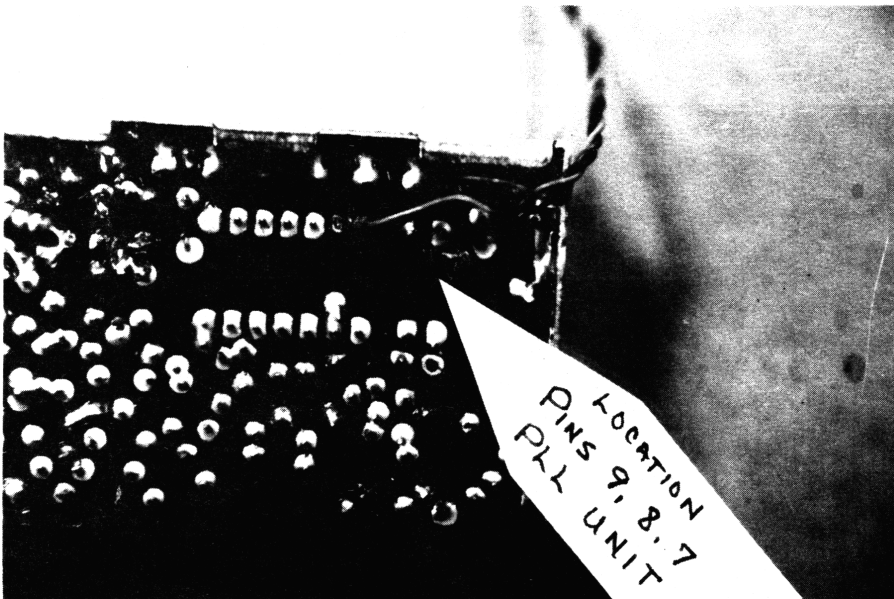
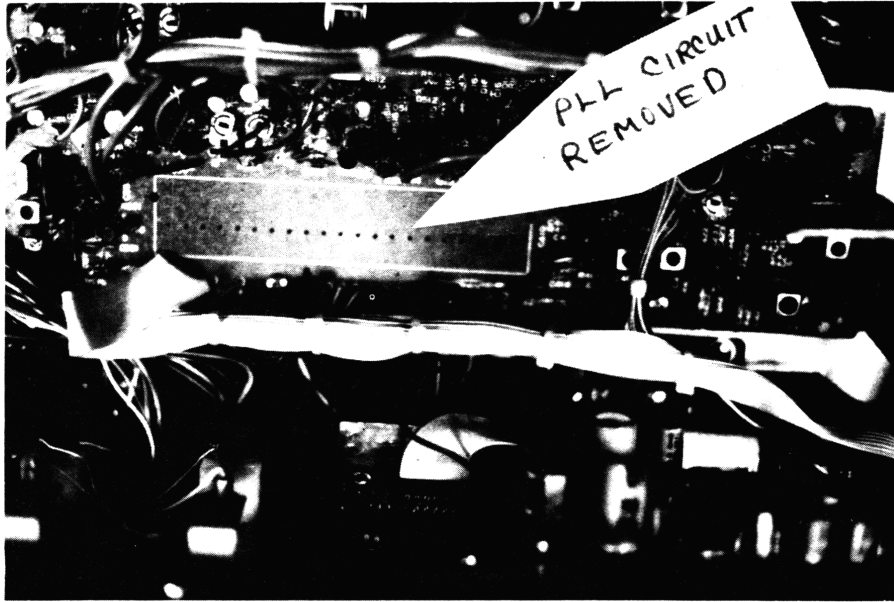
## ROBYN MODEL SB-540D 10 METER AMATEUR CONVERSION

- (1) Remove PLL unit from radio using a temperature control grounded soldering iron and a solder sucker.
- (2) Remove the cover from the unit and isolate pins #7 and #8 using an exacto knife to cut the p/c board. Solder a wire to pin 9, 8, and 7 approximately ten inches long. This will be used later.
- (3) Cut R642.
- (4) Locate D611. Remove and replace with a super diode - this will increase your VCO range.
- (5) Remove and replace D631 with a super diode - this will increase your slider range.
- (6) Reinstall PLL unit.
- (7) Remove the gray wire from VR641 clarifier that goes to the main p/c board. There are two wires on the control, One goes to the mike plug. Do not remove the wire to the mike plug.
- (8) Run a wire from the gray wire on the clarifier to the 9.20 volt source as shown in the drawing.
- (9) Remove the orange wire from the switch on the back of the clarifier control that goes to point 13 on the main p/c board and tape back.
- (10) Run a wire from the switch where the orange wire was removed to the main p/c board ground.
- (11) Remove the violet and orange wire from the noise blanker switch and solder together then tape. Remove the yellow and blue wires from the noise blanker switch and tape separately. The noise blanker will be on all the time.
- (12) Remove the black and yellow wires from the tone control and solder together and tape. Low tone will be on all the time.
- (13) The wires from the PLL will now be connected up. Run them through the chassis to the bottom of the set.

ROBYN MODEL SB-540D CONTINUED

- (14) The wire from pin #9 goes to the common of both switches.
- (15) The wire from pin #8 goes to the front terminal or the n/c position of the tone switch.
- (16) The wire from pin #7 goes to the noise blanker switch front terminal.
- (17) VC631 is adjusted on normal channels with the clarifier control at 12:00.
- (18) The slide will allow +5KC and -4KC.
- (19) L611, L621, L451, L442, L431, L421, L413, L412, UR312, SSBALC, UR311, AMALC, UR531 AM POWER must be tuned for the upper frequency and power.





ROBYN SB-540-D CONTINUED:

tone "ON"

BOTH "OFF" NORMAL

Alt FREQs have a 0 for the last digit BECAUSE The PLL IS A Rom.

1	27.425	11	27.545	21	27.675	31	27.775
2	27.435	12	27.565	22	27.685	32	27.785
3	27.445	13	27.575	23	27.715	33	27.795
4	27.465	14	27.585	24	27.695	34	27.805
5	27.475	15	27.595	25	27.705	35	27.815
6	27.485	16	27.615	26	27.725	36	27.825
7	27.495	17	27.625	27	27.735	37	27.835
8	27.515	18	27.635	28	27.745	38	27.845
9	27.525	19	27.645	29	27.755	39	27.855
10	27.535	20	27.665	30	27.765	40	27.865

NB "ON"

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	28.165	36	28.275
7	27.945	17	28.075	27	28.175	37	28.285
8	27.965	18	28.085	28	28.185	38	28.295
9	27.975	19	28.095	29	28.195	39	28.305
10	27.985	20	28.115	30	28.215	40	28.315

