

10Kc Jump Switch
on CB/PA is in
the files

Excalibur SSB

10KHz Jump/Roger Beep Switch Modifications

by B.W.

This modification was performed on S/N 300205, no problems were encountered.

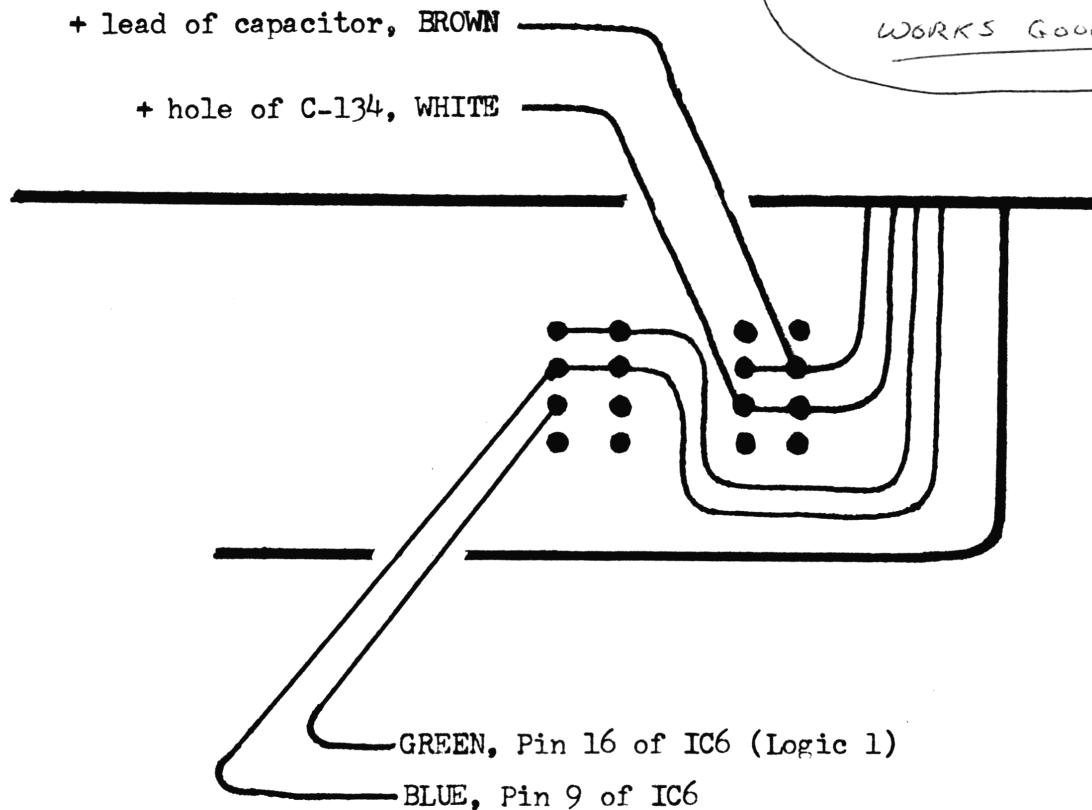
The NB and ANL switches are utilized for modifications; are permanently hard-wired; ON.

1. Trace #62 (White) and #63 (Brown) from switch PCB to main PCB, unsolder from main board.
2. "CUT OFF - flush" at small PCB the Brown wire #63, and White wire #62. Save the wires..
3. Trace #61 (Blue) and #64 (Green) from switch PCB to main PCB, unsolder-CLEAN OUT HOLES.. Save the wires..
4. Make a small 'insulated jumper' and install between the cleaned out holes.
5. "CUT OFF - flush" at small PCB the Green wire #64, and Blue wire #61. Save the wires..
6. Obtain 1.0Mfd/50VDC axial capacitor. (NOTE: have found that a 0.33Mfd is needed to lower the Beep time far enough.)
7. Remove C134 (2.2Mfd/50VDC), clean out holes.
8. Solder White wire to (+) on PCB where capacitor removed.
9. Solder (-) of capacitor (1.0Mfd/50VDC) to (-) on PCB.
10. Solder Brown wire to (+) lead of capacitor, sleeve.
11. Solder Brown and White wires to small switch PCB, see drawing 'A' for location. NB is now Roger Beep switch, Off is Off! Up position will give beep, with shorter beep time.
- * 12. Remove J49 on main PCB, clean out holes. (NOTE: will have to move shield, be careful). Replace the jumper with 4.3K $\frac{1}{4}$ W 5% resistor.
- * 13. Solder Blue wire to Pin 9 of IC6.
- * 14. Solder Green wire to Pin 16 of IC6 (Logic 1).
- * 15. Route the Blue and Green wires to etch side of small switch PCB, see drawing 'A' for soldering placement. ANL is now the +10KHz Jump switch; Off is normal frequencies per chart. UP gives +10KHz jump all frequencies/all bands.

10Kc
Jump.
see
mod
in files.

Excalibur SSB
Roger Beep, 10KHz Jump Sw. Mod. (Cont.)

Drawing 'A'



See Drawing of
10KHz Jump Switch
on EB/PA in files.
WORKS GOOD!

Excalibur SSB

Additional alignment missing from Owner's Manual:

- VR601 - Power Supply adjustment; set for 13.5VDC. Measure from D92 (+) to DC Gnd (case of T1).
.....SPECIAL NOTE: I doubt that the power supply will hold up in this unit. The heat sink used now gets HOT; even when in receive mode; add a winged heat sink to current one for additional dissipation.....Ed. Note.
- VR802 - SSB Low Power adjustment: RF switch in Low Pwr, TX in LSB at max mike gain. Set VR802 for 4W output.
- VR803 - AM Low Power adjustment: RF switch in Low Pwr, TX in AM mode. Set VR803 for 1W output. (NOTE: If you can't achieve 1W; set the pot fully CCW; then adjust VRL3 for maximum low power desired. However the high power adjustment is directly affected.....)

Change R238 TO 2.2K,
Remove TR32 for MORE AM mod
Set Low WATT RANGE for 2w to 12
Set High WATT RANGE for 6w to 20