

SuperStar 3900 (High Band)

10KHz Jump/Roger Beep Switch Modifications

by B.W.

This modification was performed on S/N 200341, no problems were encountered.

NB/ANL and Channel 9 switches are utilized, both hardwired.

Roger Beep Switch modification: NB/ANL switch utilized.

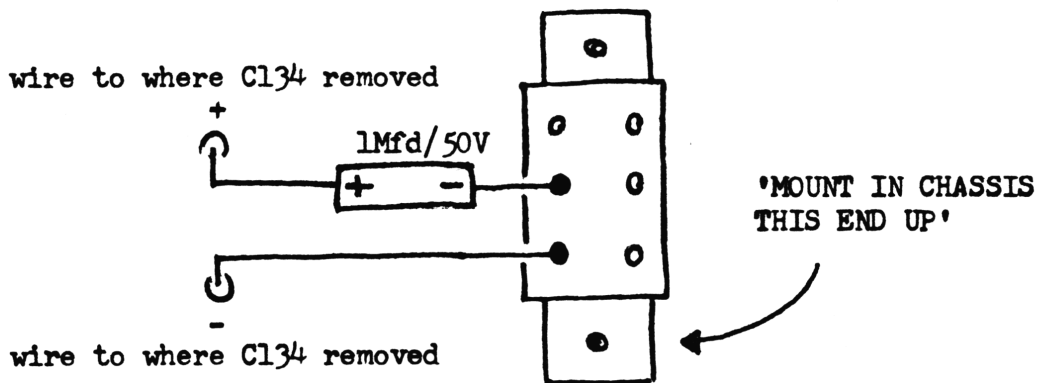
Permanent Hardwire - Remove Green wire from switch, trace to PCB and remove at hole #63, delete.

Remove Blue wire from switch, trace to PCB and remove at hole #62, delete.

Remove Gray wire at switch, trace to PCB and remove at hole #61, - clean out hole.

Remove Yellow wire at switch; re-route to hole #61 on PCB; solder in place.

1. Clean off all switch terminals. The 'Beep' was too long on this particular unit, so changed the capacitor to 1Mfd/50V electrolytic. For even shorter 'Beep', use smaller capacitance, but not voltage.
2. Remove C-134 from PCB, clean out holes. If not going to change the 'beep' on time, save capacitor.
3. Wire up the switch as shown below; wire length 7"; cut to proper length when installing.



4. When switch is down - NO BEEP. UP, 'BEEP!'

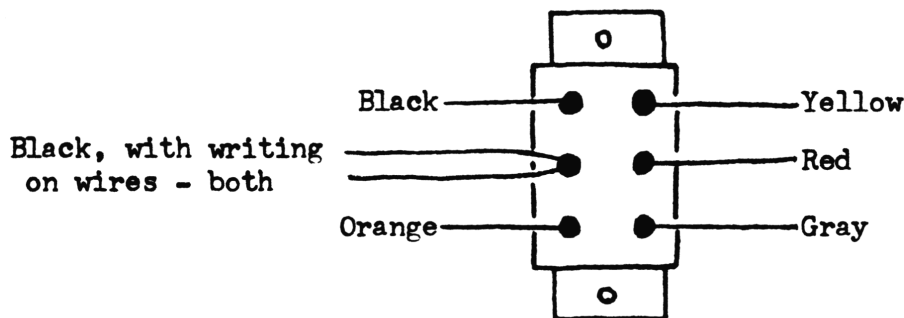
Caution: If not going to change the 'Beep' ON time; suggest changing capacitor to one of higher voltage rating; minimum 50WVDC.

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10KHz Jump/Roger Beep Sw. Mod. (Cont.)

10KHz Jump Switch modification; Ch 9 switch utilized.

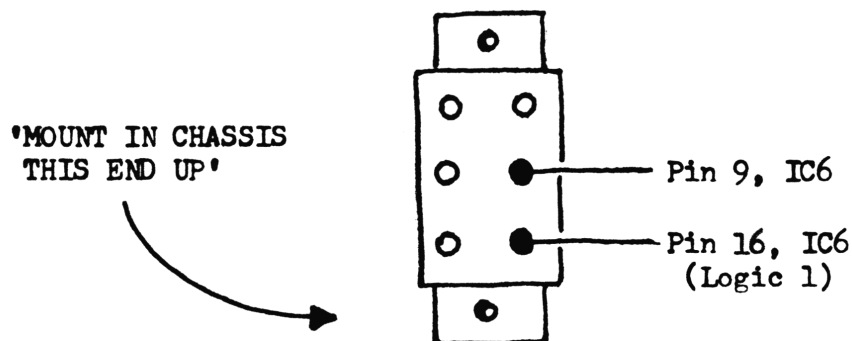
Permanent Hardwire - check wires' color, as referenced to below.



1. Cut all wires off at switch, pull all out of cable bundle.
2. Remove/Cut Orange wire at plug/connector - delete.
3. Remove Gray wire at PCB, (CAREFULLY, as is under the Ch. Selector). - delete.
4. Remove approximately  $\frac{1}{4}$ " of insulation from all three (3) Black wires, solder/sleeve all together.
5. Do the same as above for the Red and Yellow wires, don't forget to sleeve!

At this time check operation before going any further, if normal proceed.

6. Remove jumper J49, clean out holes. (CAUTION - this will entail unsoldering the cover on bottom of PCB, do it carefully!) Replace jumper with 4.3K  $\frac{1}{4}$ W 5% resistor, then replace cover.
7. Wire up the switch as shown below; wire length 8"; cut to proper length when installing.



8. When switch is down 'normal/correspond to Fo Chart'.  
UP, add 10KHz to everything