

GALAXY II FREQUENCY COUNTER PROBLEM

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● Terry Shelley

COMPLAINT:Frequency counter chronic problem, L.E.D.'s not Lighting, zener Diode (2.4 volts) failing.

FIX:Is the third diode from top middle of board. Increase to 1watt type.(1N47XX)

Super Star 3900 FREQUENCY DRIFT

● Pat Vizenor

COMPLAINT:Radio will drift when cold.

FIX:Run a common wire on all cans in the PLL section.(see drawing)

NOTE: This helps somewhat, not a cure all.

BAD AUDIO FROM BEARCAT 210XLT

● LESCOMM

For some strange reason, Uniden engineered the audio circuit slightly different in the BC210XLT from other units. They swapped value differences in the capacitor arrangement, and as the caps get older and start to change value or break down, the audio gets very raspy and scratchy when the volume is turned up. It almost sounds like the speaker has gone bad. But the fix is easy as you will see.

Locate IC2, a TDA1905. Find pin 1 and a 220uf 10v electrolytic right next to it. Remove the 220uf cap and pay attention to the +/- orientation. Locate the external speaker jack and a 47uf cap right next to it. Remove the 47uf 25v electrolytic cap and put in the holes the 220uf was removed from. Put the 220uf where the 47uf was. In other words, swap the two caps. That's it. Your scratchy audio problem should be gone.