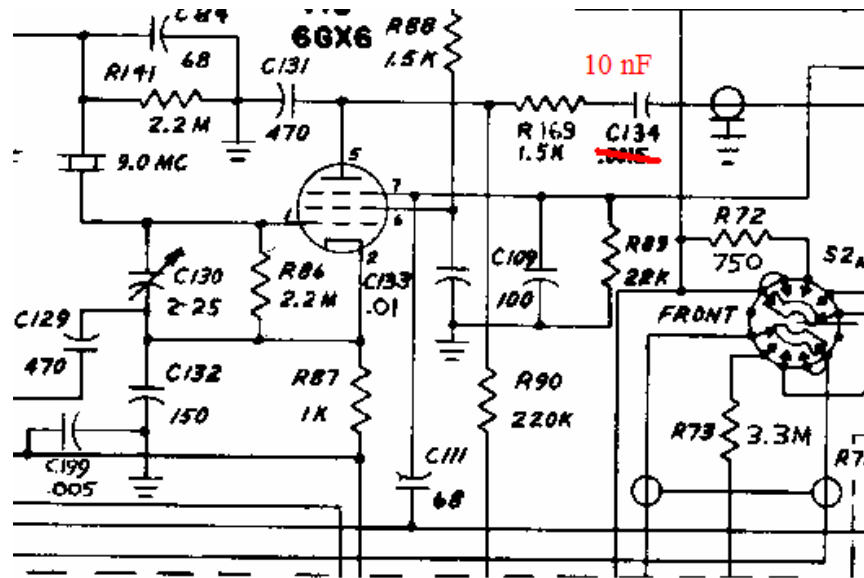


SSB RX IMPROVEMENT FOR YOUR DRAKE TR-4 TRANSCEIVER, more bass.

DRAKE TR-4 transceivers exhibit same attenuation in bass response while receiving SSB. There are suggestions to change both SSB filters. This is not really necessary. I have a modification to improve the bass response for transmission while keeping the original filters, now you can also improve the low audio frequency response of the receiver. There is a high pass filter composed by C134 and the volume potentiometer. 1.5 nF and 500 kOhm, this is a high pass filter with the -3dB point at 212 Hz, low but not low enough, we loose something at 500 Hz too. Change C134 to 10 nF and the receiver will sound much better. C134 is difficult to reach, do not remove it, connect a capacitor in parallel to it, or a series of a 1.5 kOhm resistor and a 8.2 nF capacitor connected to pin 5 of the 6GX6 and the hot wire of the shielded cable, those are points easy to access.



SSB Rx Improvement for Drake TR4 line of transceivers.

SPICE simulations and experiments have shown a remarkable improvement. Just try and let me know....

Best Regards. IN3IEX Giorgio...