

SQUELCH CIRCUIT MODIFICATIONS FOR SCR200/450

- * Newer Squelch Circuit has the advantages of being more stable, and enables you to vary the Squelch setting for greater Dynamic Range.

Open Squelch Setting with full noise: 8-9 o'clock

Squelch Threshold: .05 - .1uv (dependent on receiver sensitivity)

Full Squelch Setting: variable with Squelch Adjust Pot R154 on Rec'r Bd.

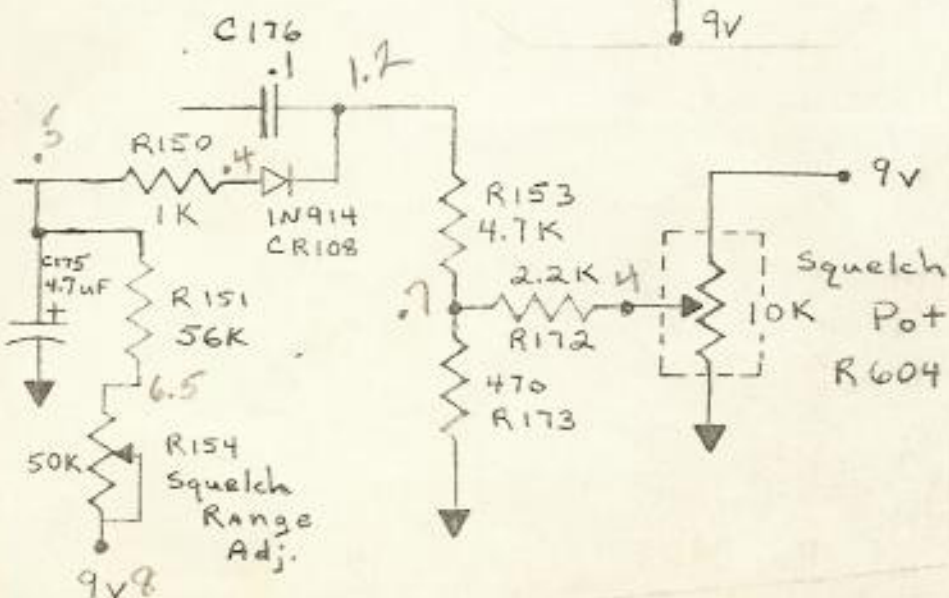
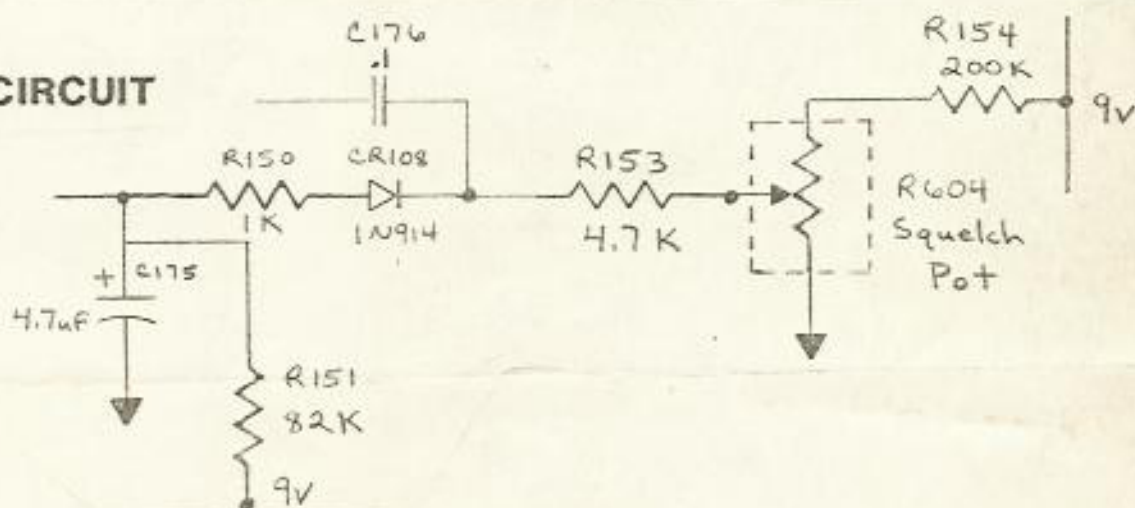
- * Modification- Squelch Circuit (SCR 200 to NEW SCR 200A)

You may elect to make a change with a variable voltage supply to the squelch circuit by either changing the 82k resistor R151 to a 56k in series with a 50K variable pot. This will result in varying the dynamic range. Or select by test for the 82k, for best squelch results.

Next, remove one side of R153 (toward the wiper side of the Squelch Pot) and insert a 2.2K resistor. (R153 4.7K and R172 2.2K resistors in series) At the junction of these, (BETWEEN R153 and R172) add a 470 ohm to ground. Remove R154 200K. Place the Yellow wire in one of the holes from the removal of R154, that goes to 9 volts. (Or if you prefer, you may elect to tie one end of your Squelch pot, the high side, directly to the 9 volt feedthru on the outside of the receiver housing.

Your squelch circuit should now be operational! Remember, to vary your squelch you now have only to vary your 50K pot or select by test at R151.

OLD SQUELCH CIRCUIT



NEW SQUELCH CIRCUIT