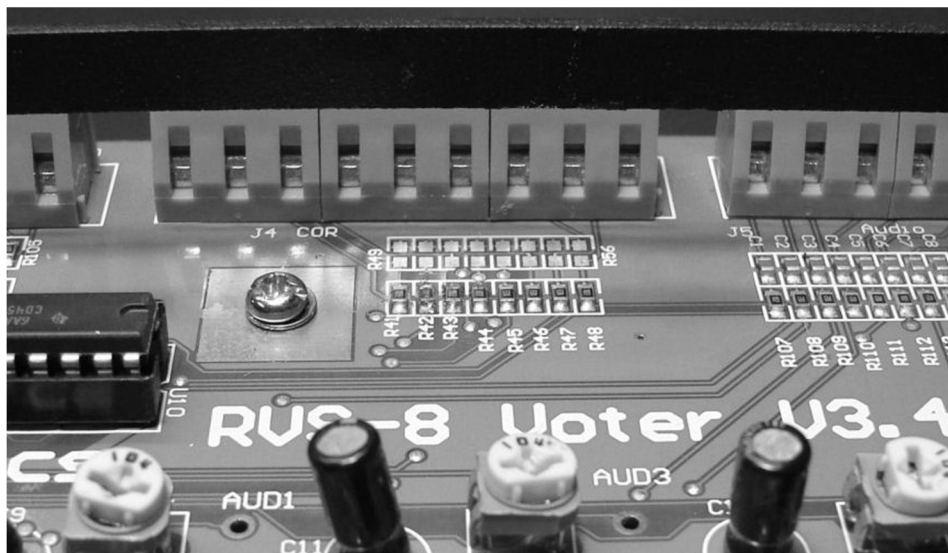# RVS-8 voter modification for "ground active" radios.

Dwayne Kincaid, WD8OYG, Dec 2012

This mod was performed on version 3.4 of the RVS-8 PC board, but it should work on all versions. Start by taking the lid off the RVS-8 voter.

Locate and remove R49 through R56. They are located behind the COR input terminal block. These are 100K (marked 104) ohm surface mount resistors. Clean the pads with a solder wick.
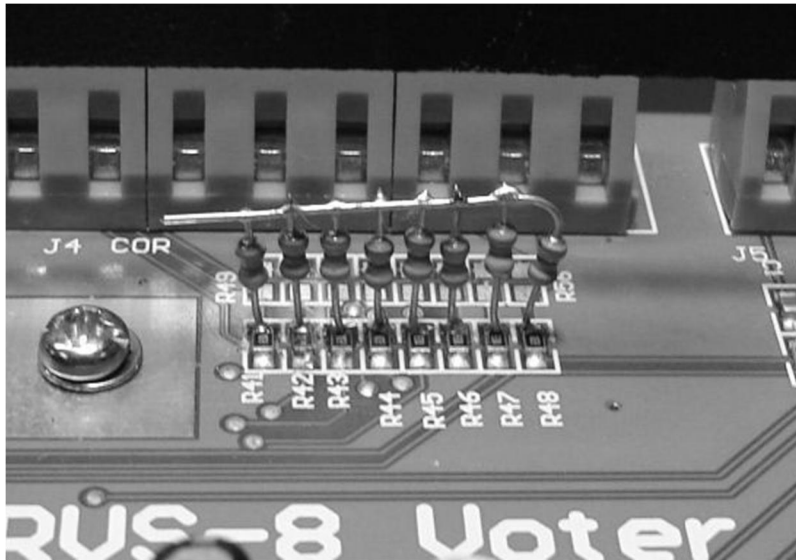

You will need eight, 4.7K ohm, 1/8 watt, wire lead, resistors. Cut each resistor so that one end has 1/4" of wire. Do not cut the other end yet.
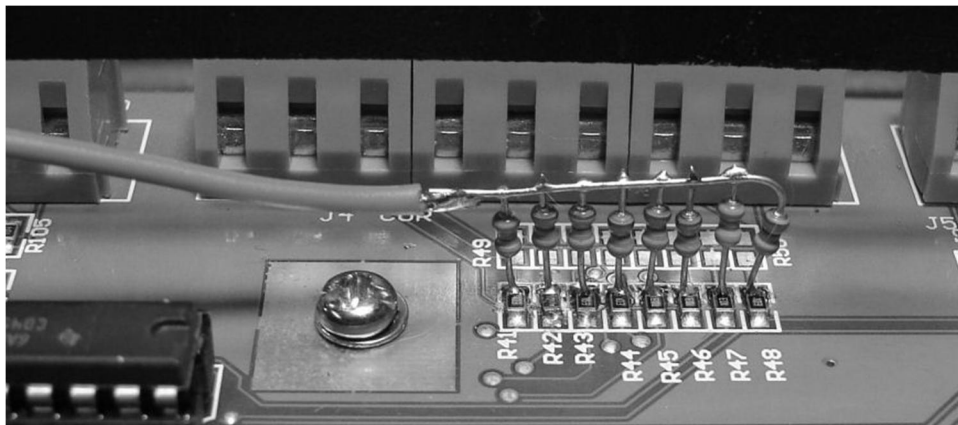
Solder the short end of each of the 4.7K ohm resistors to each of the pads of R41 through R48 (10K ohms, marked 103) on the side closer to R49 through R56.

Cut the wire on all resistors except for the one going to R48 to 1/4". Bend the wire on the remaining resistor at R48 to the left to contact the other seven resistors.

Solder the bent wire to the un-connected end of the other seven resistors.

Cut a wire about 5" long and strip ¼" of each end. Solder one end to the common point of the eight new resistors. The other end goes to the +12V test point on the BC board next to the relay.

That completes the wiring. Turn on the voter and go to the Menu for COR Active State and select Lo for all channels.

Test the unit by connecting a ground wire to each COR while on the Current CORs menu and observe that each channel will activate when the ground wire it placed on that channel.

The voter is now ready to accept ground activated inputs from receivers.