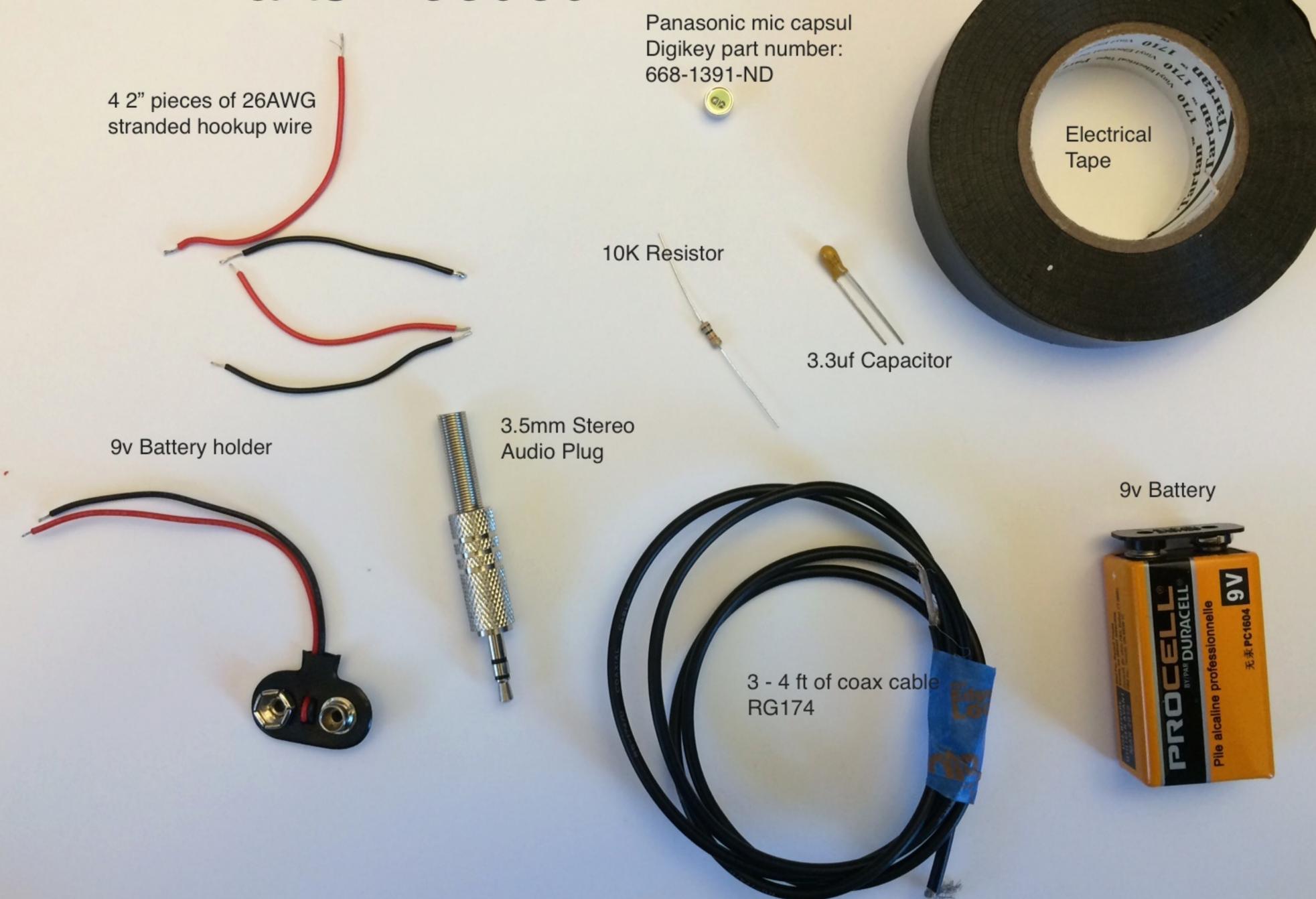
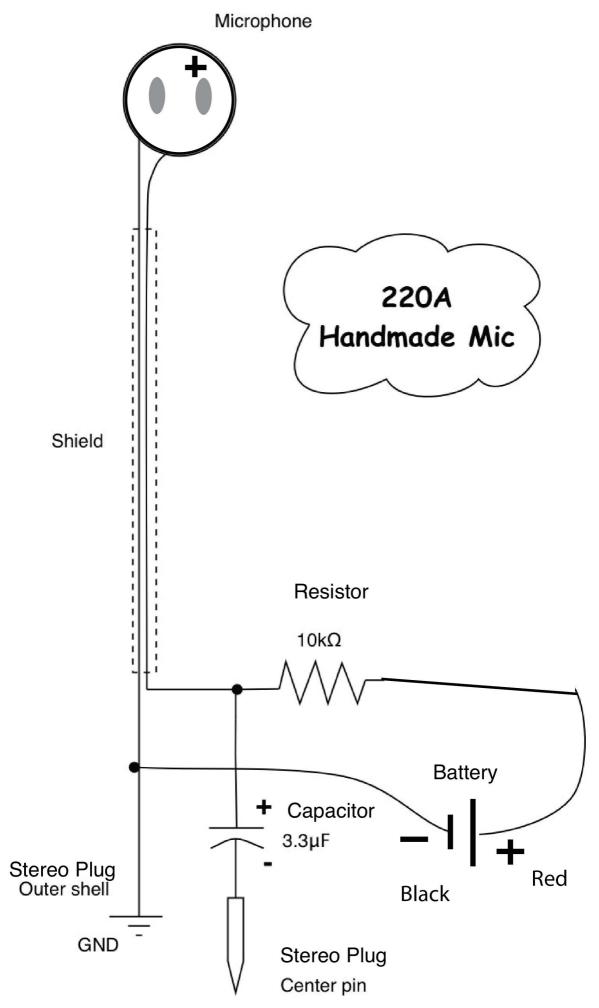
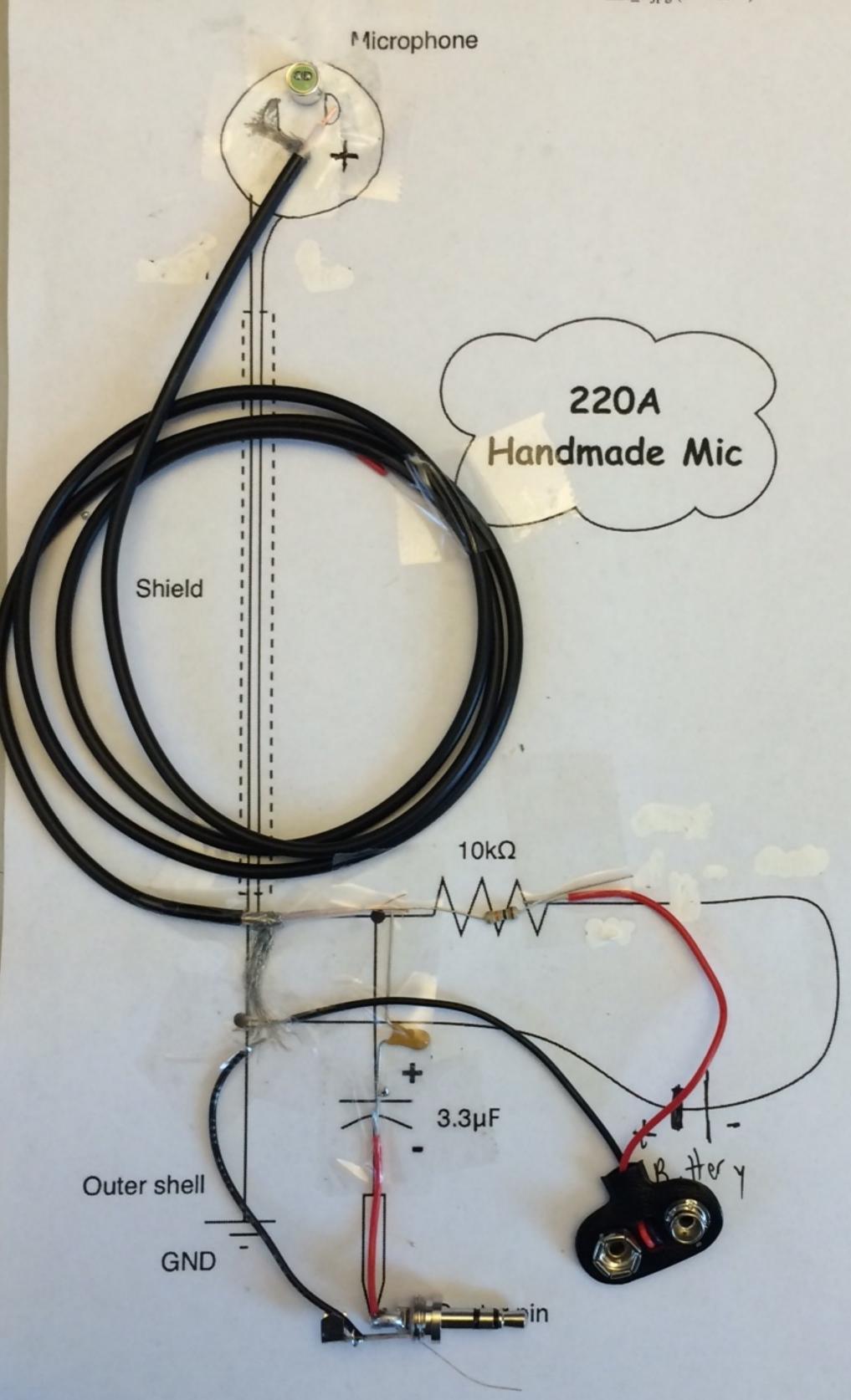
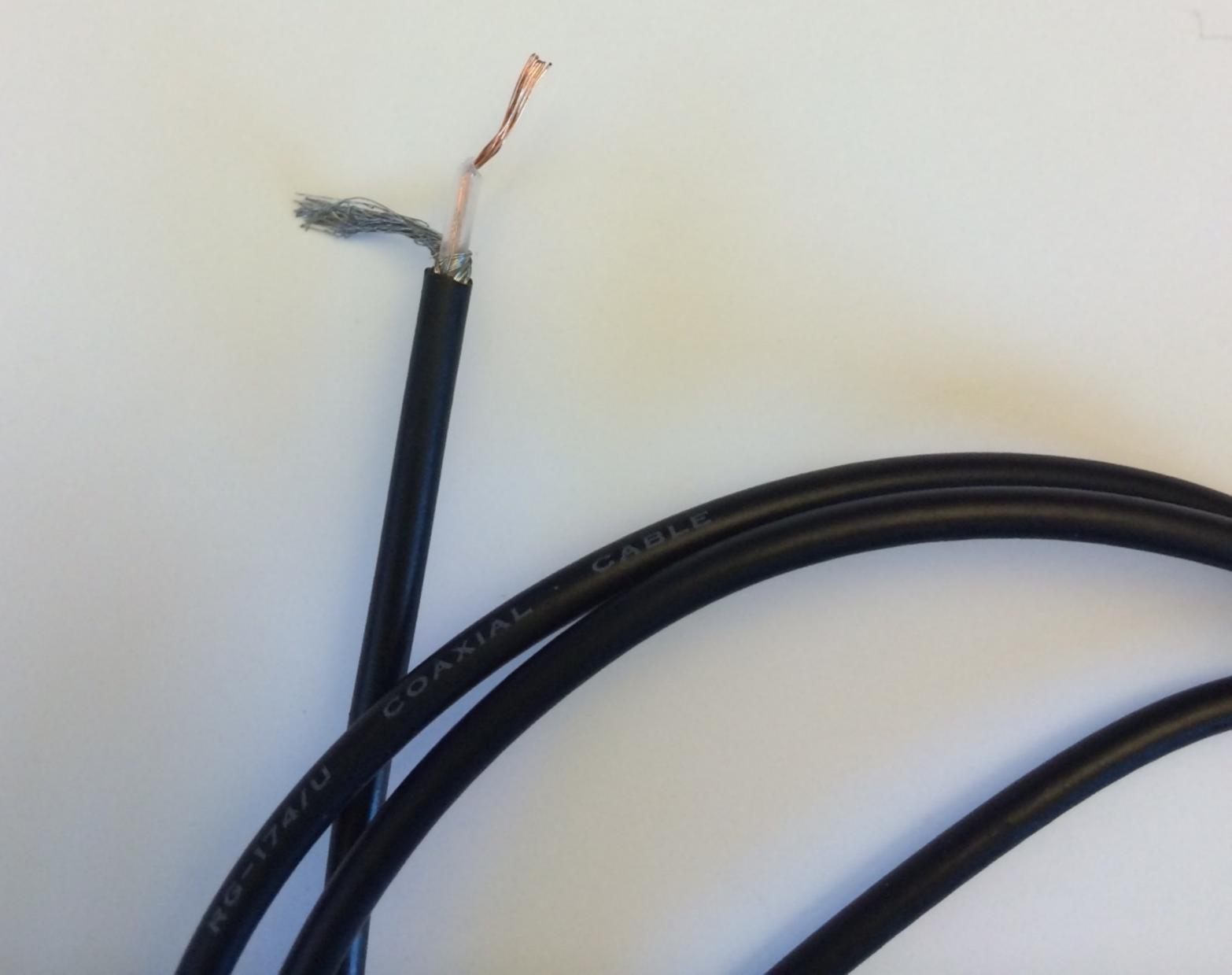
Parts Needed

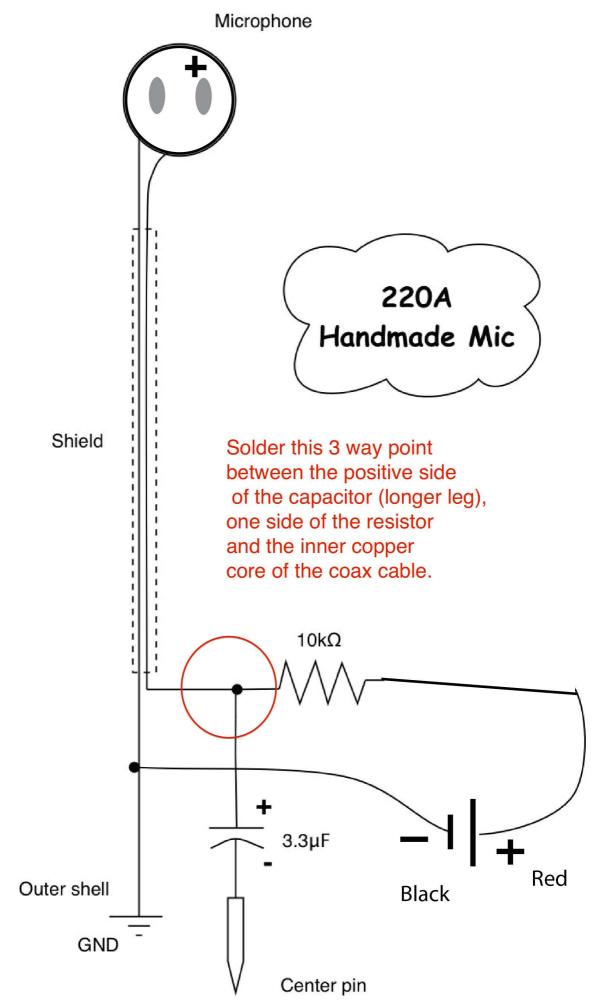


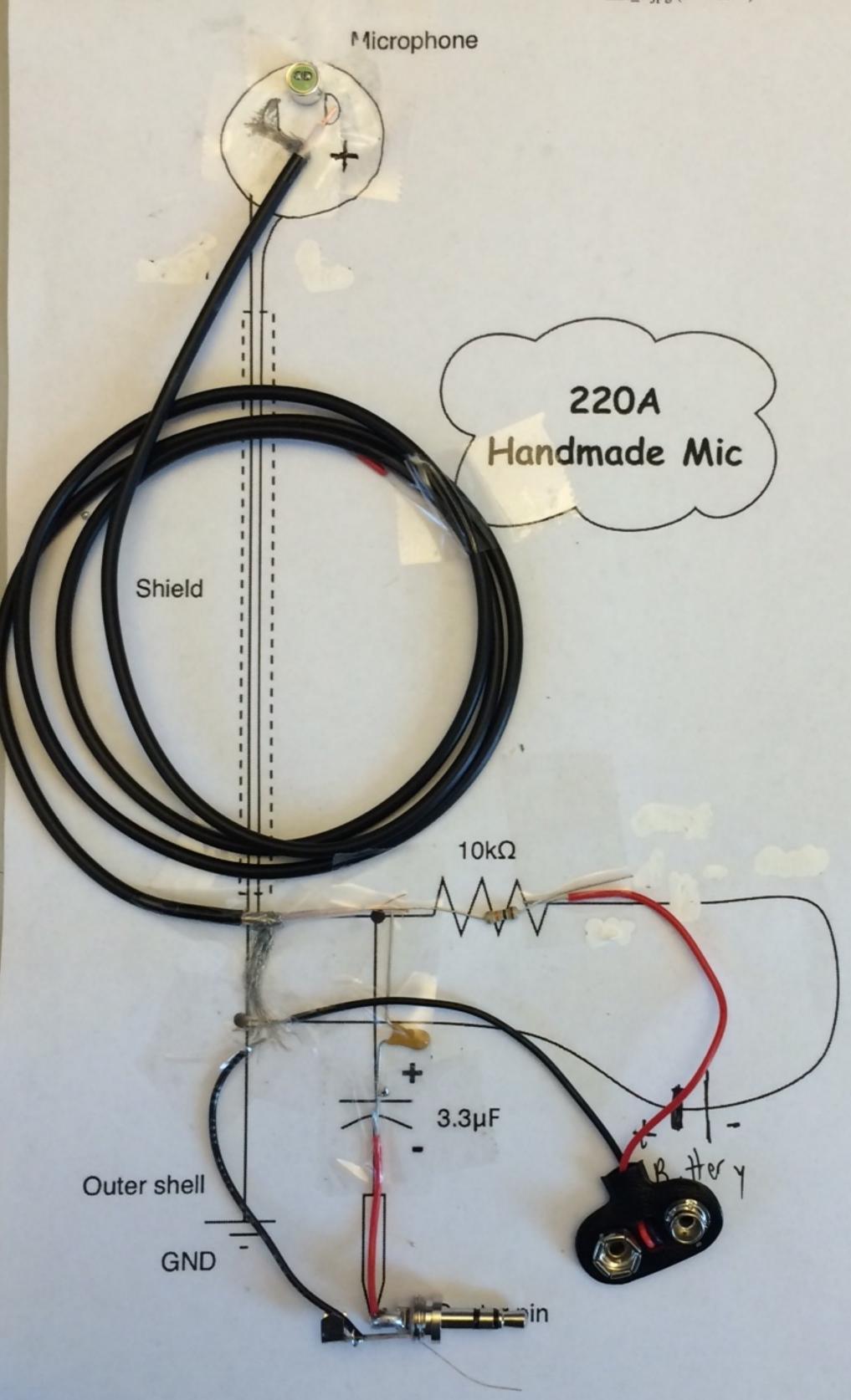


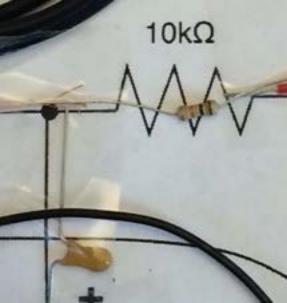


Strip the coax wire down so that about 1/4" of bare copper wire is showing, 1/4" of clear plastic is showing. Pull the braided shielding over to the side.

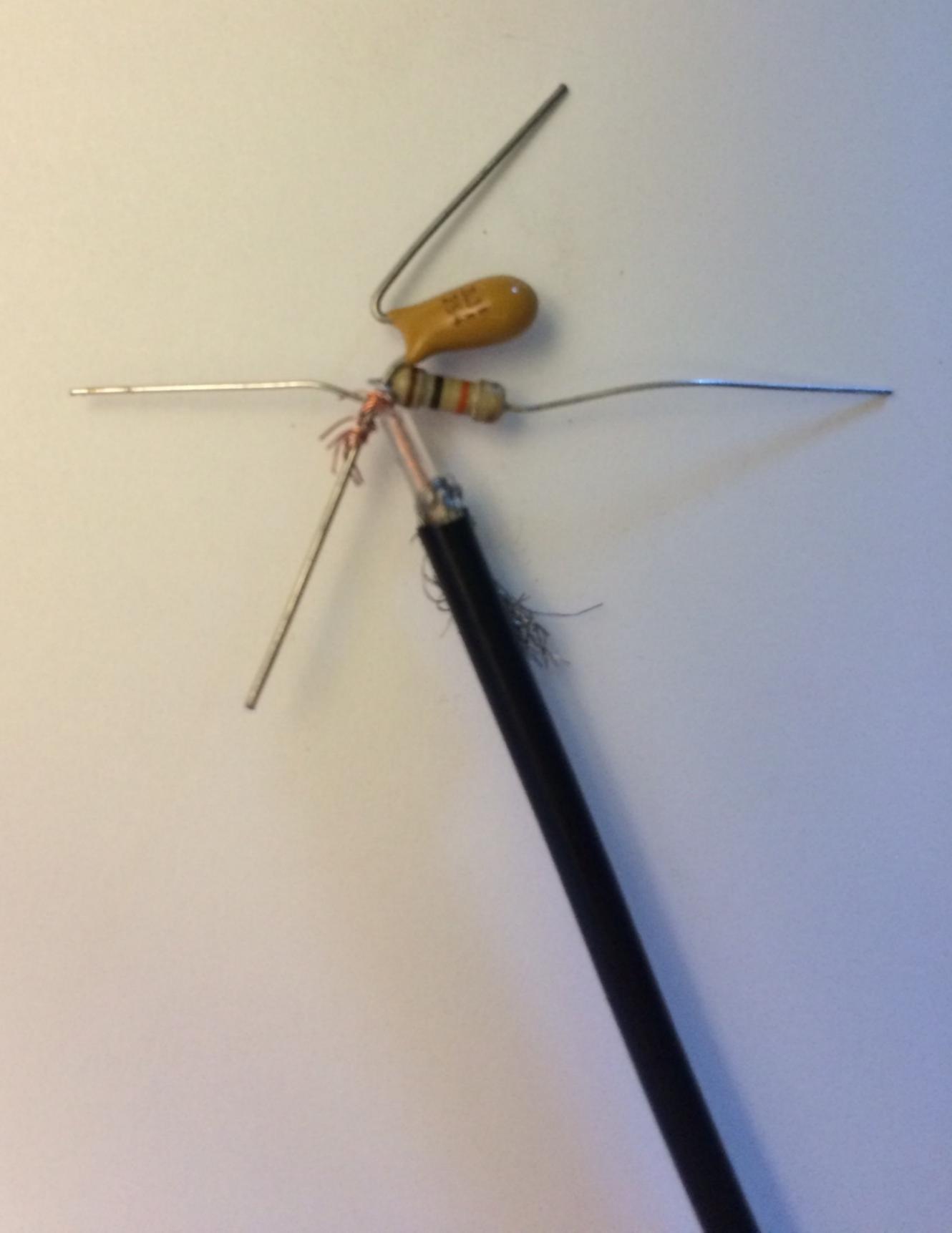


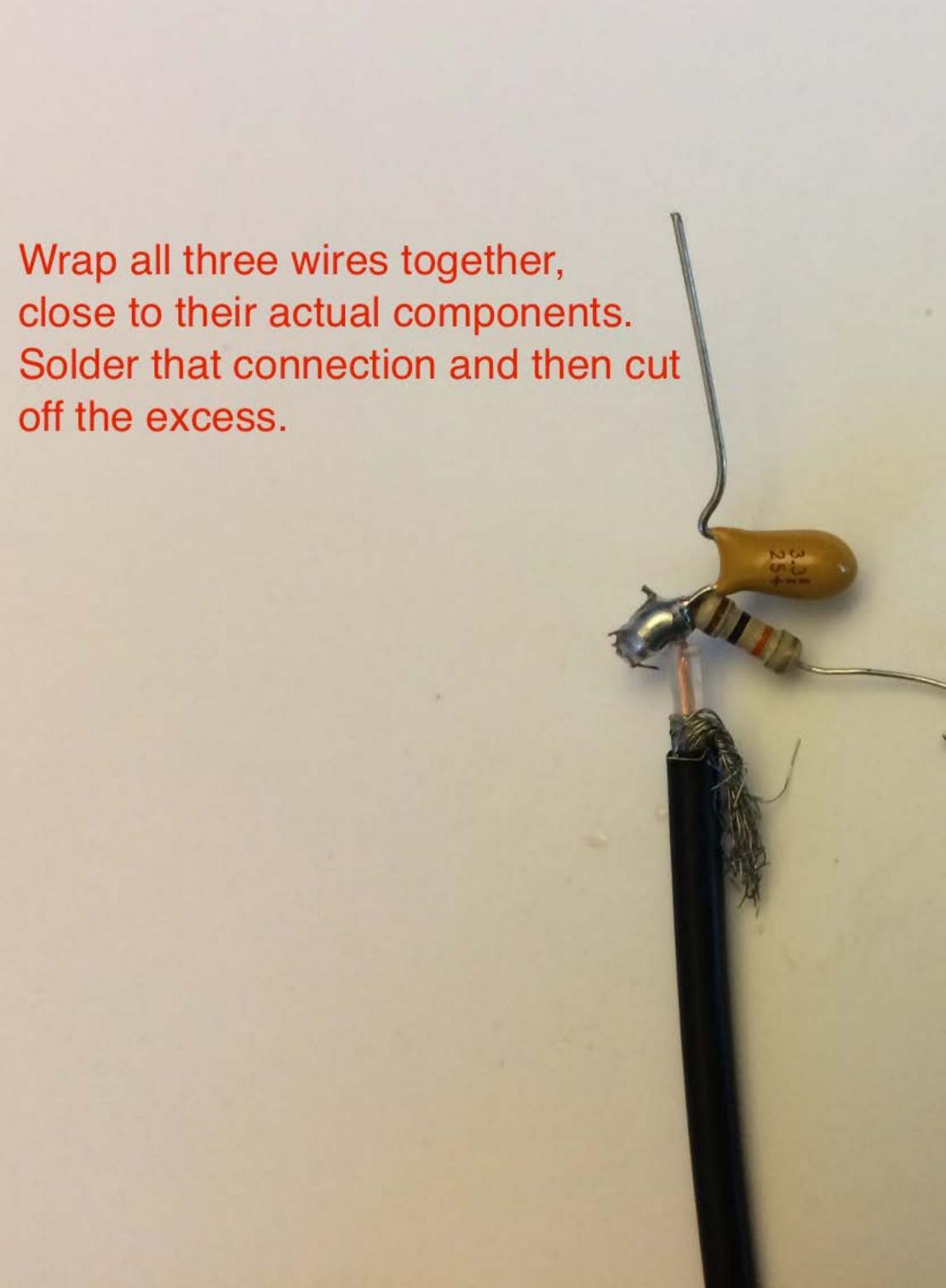


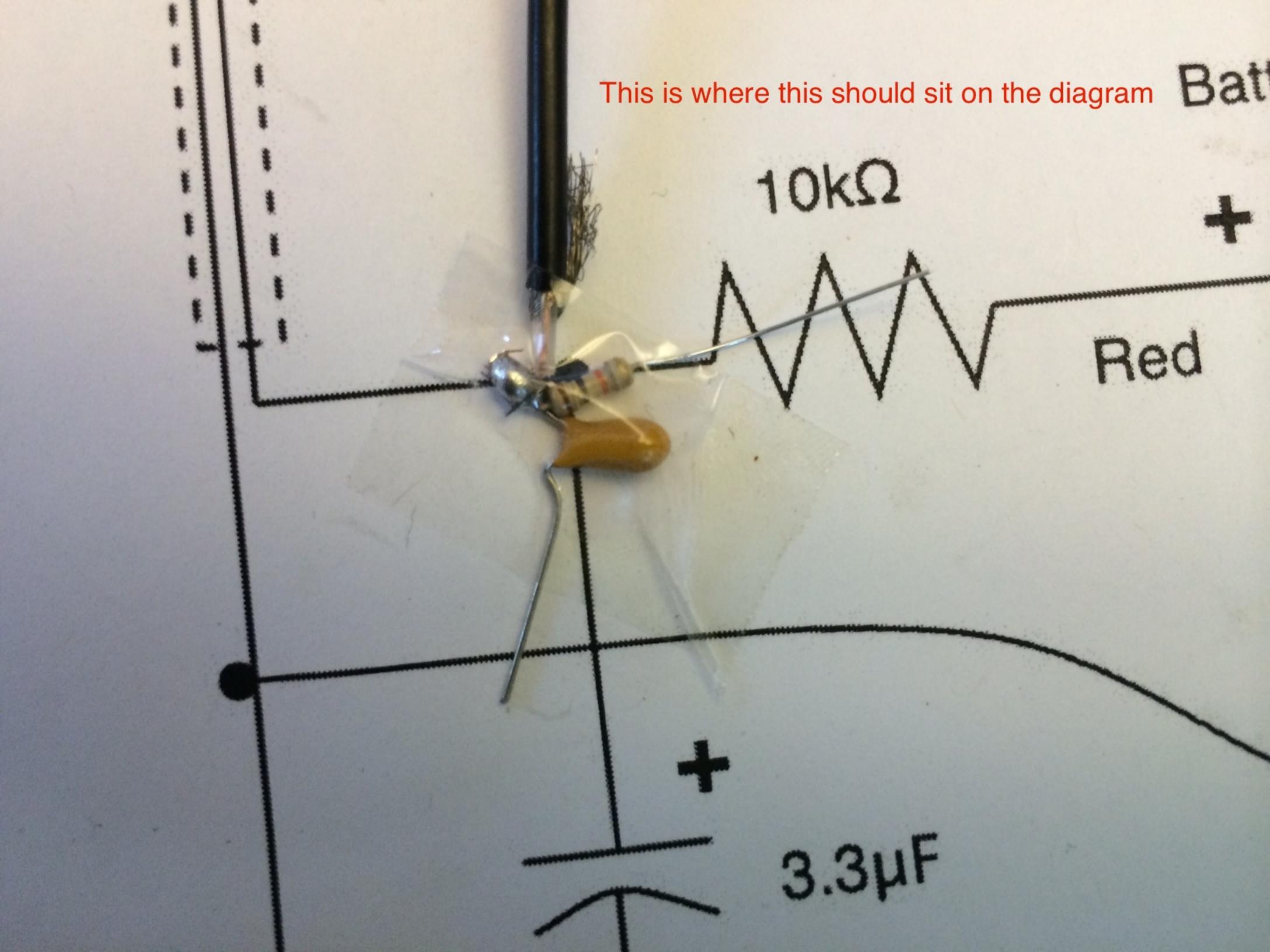


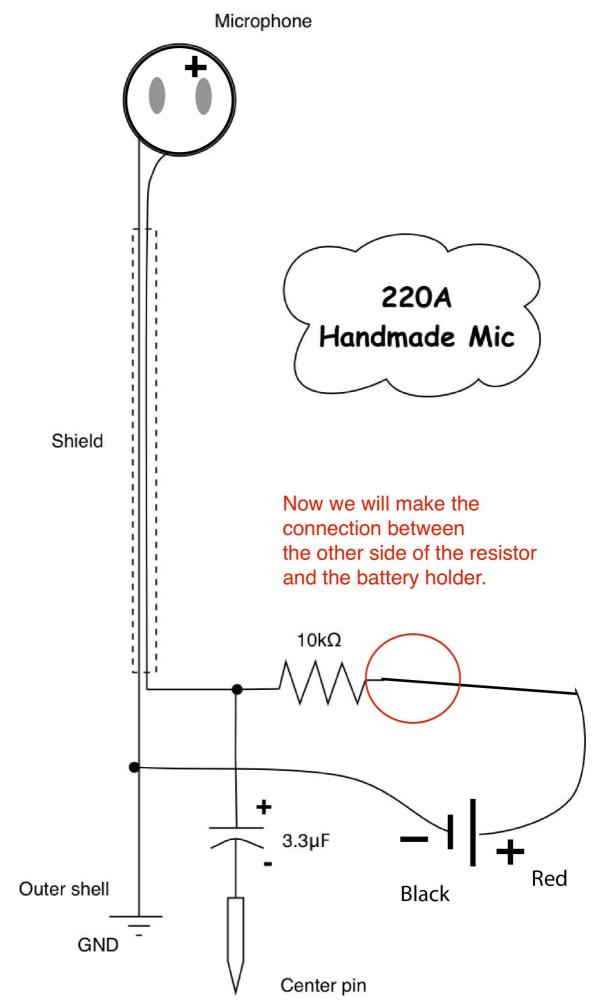


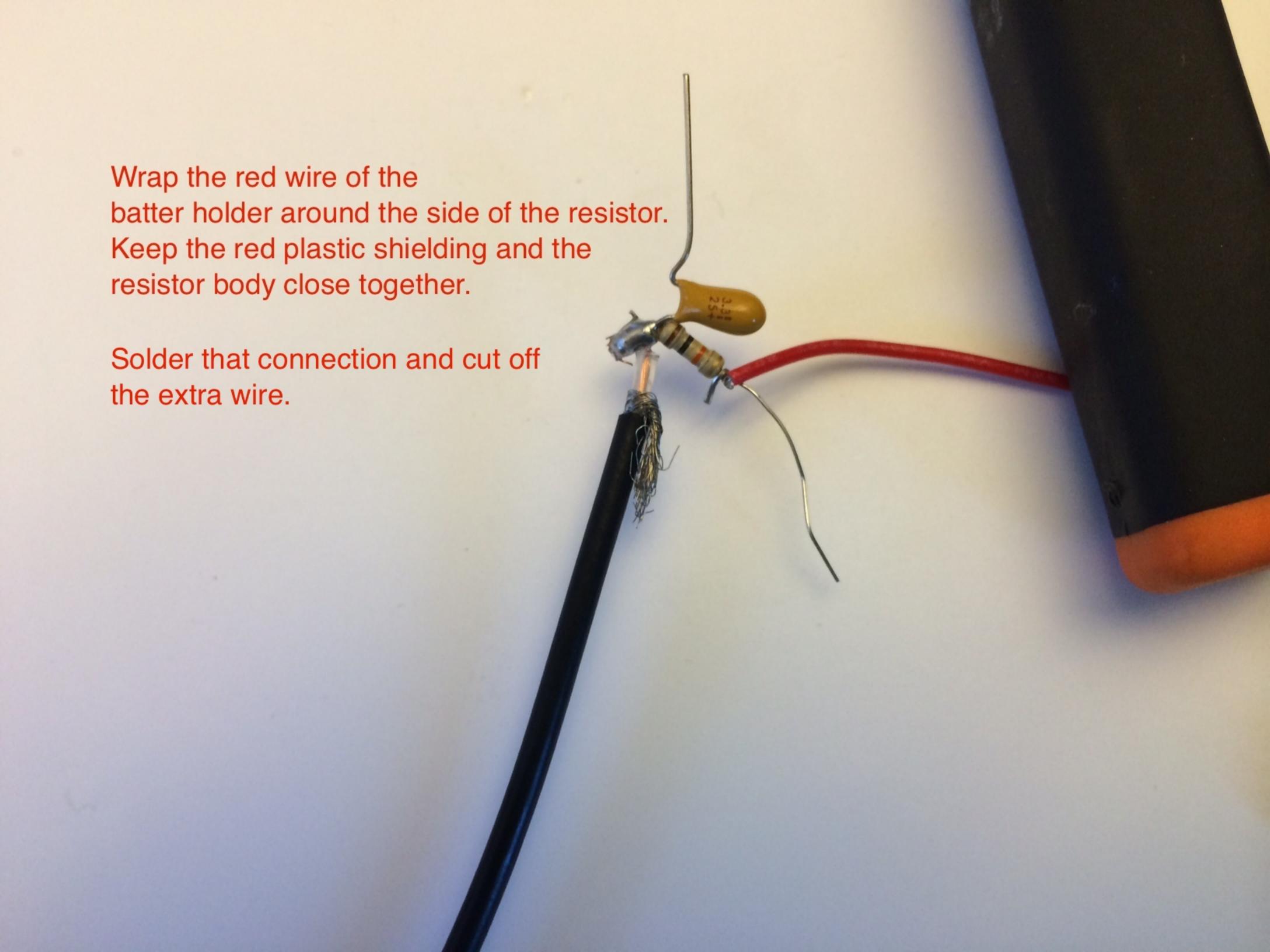
Wrap all three wires together near their components

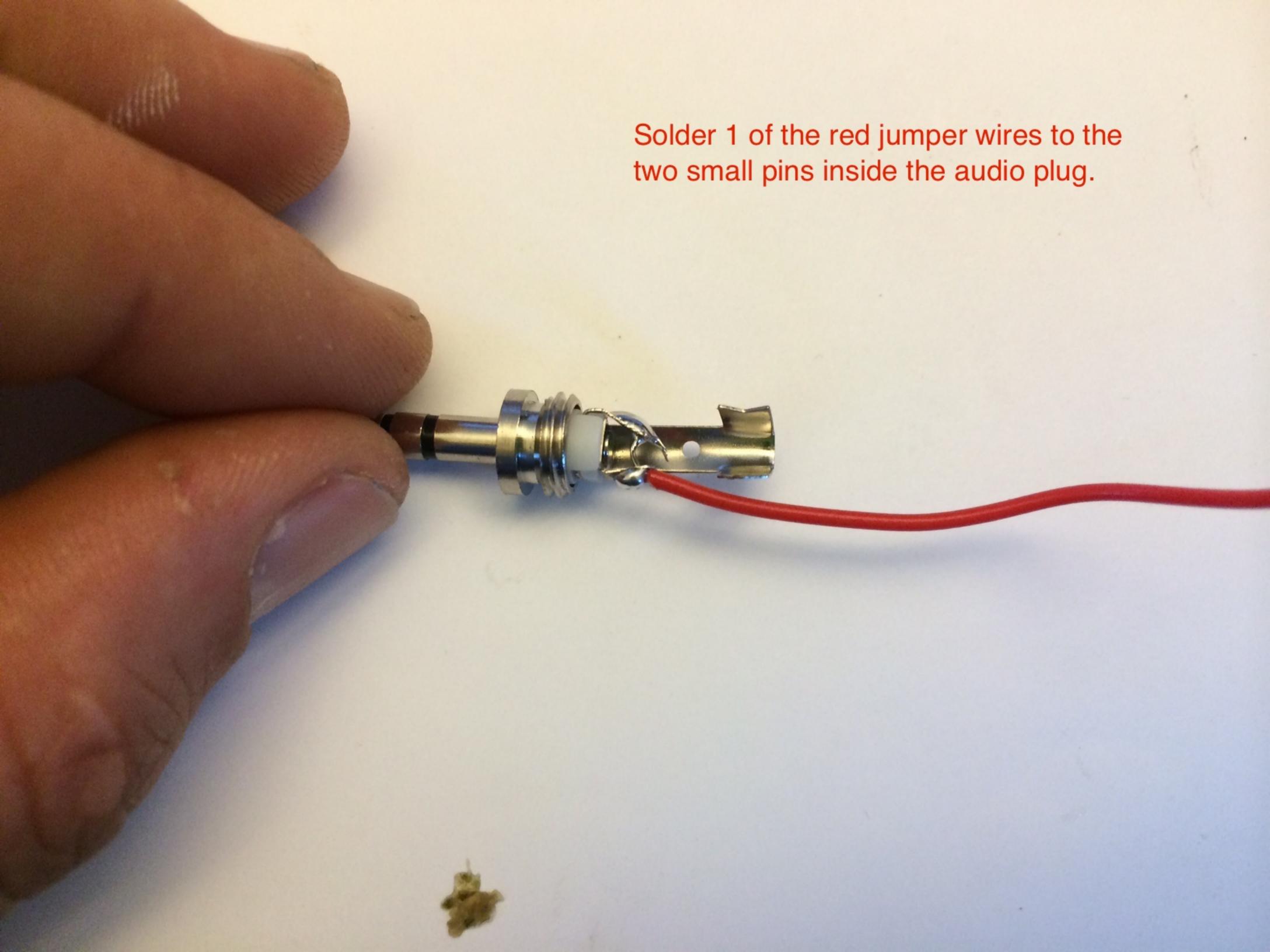


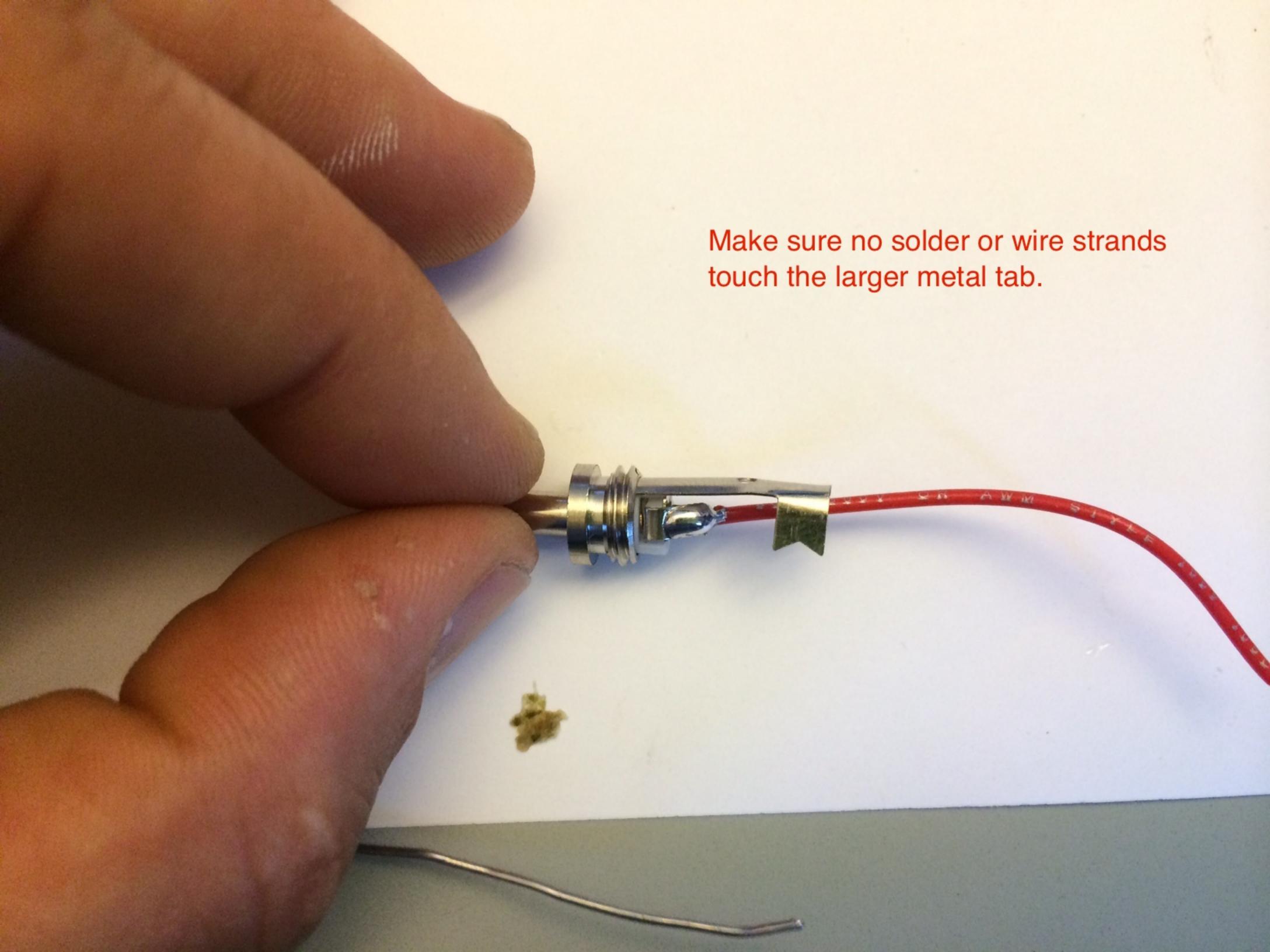


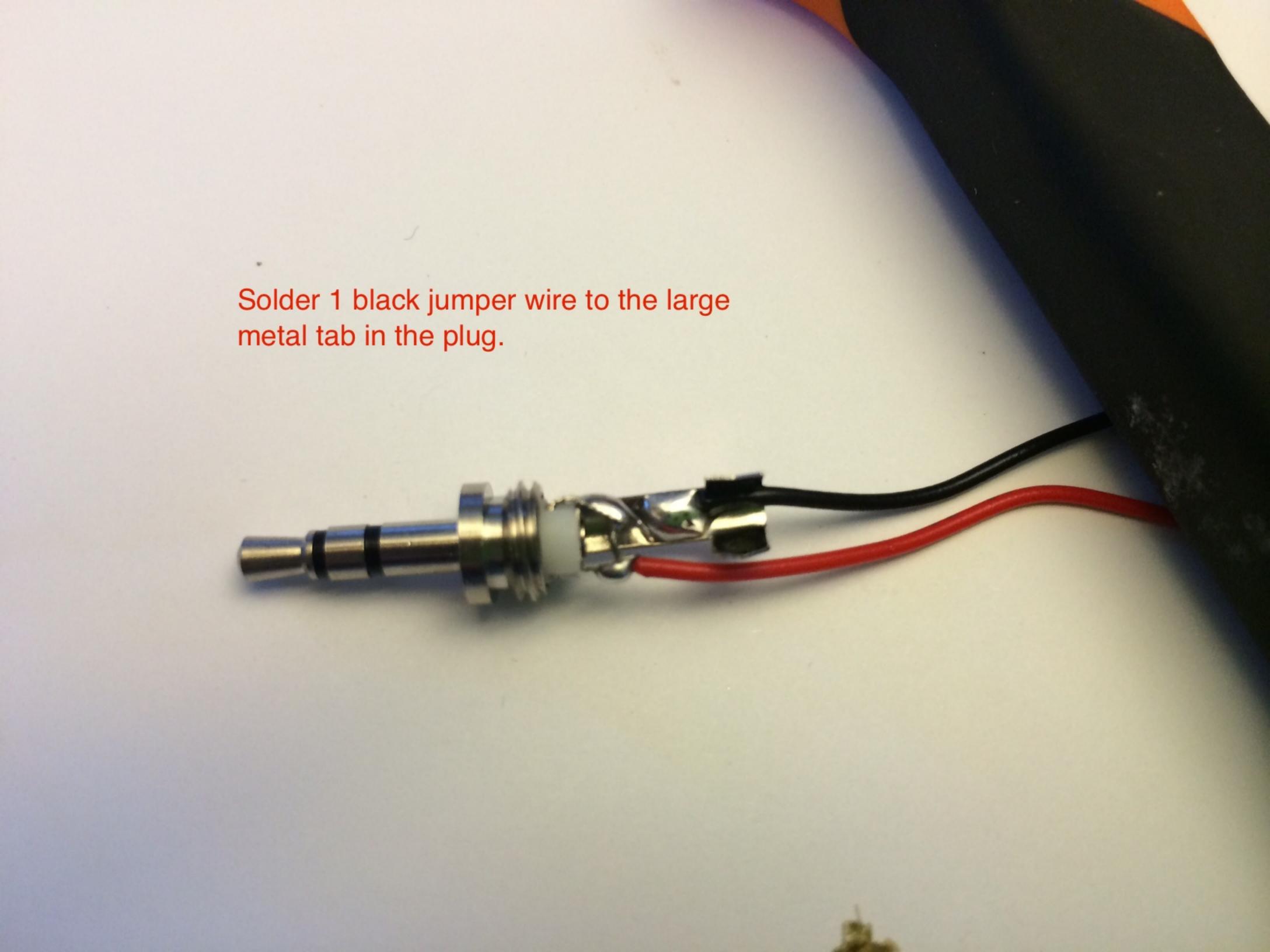


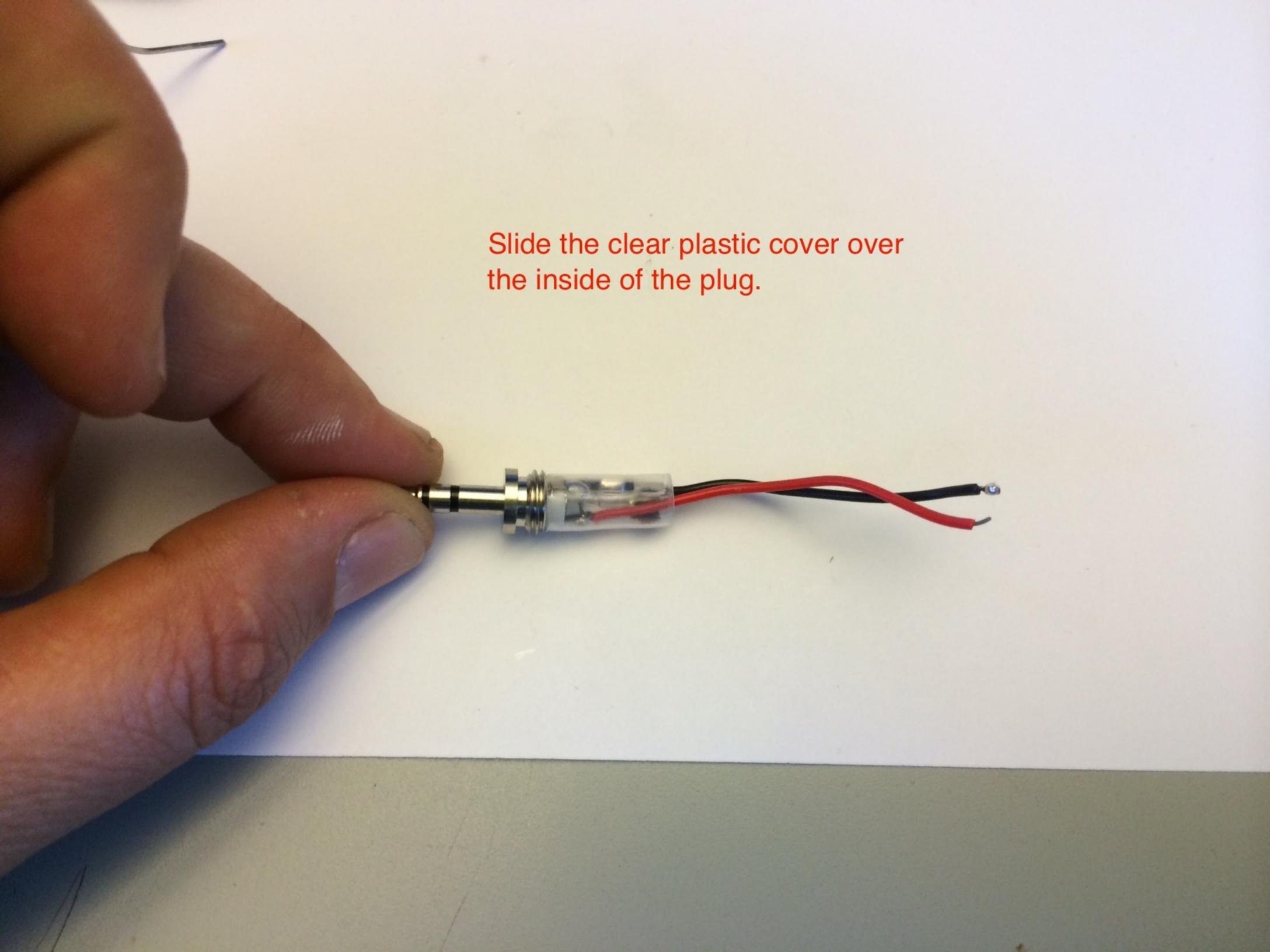


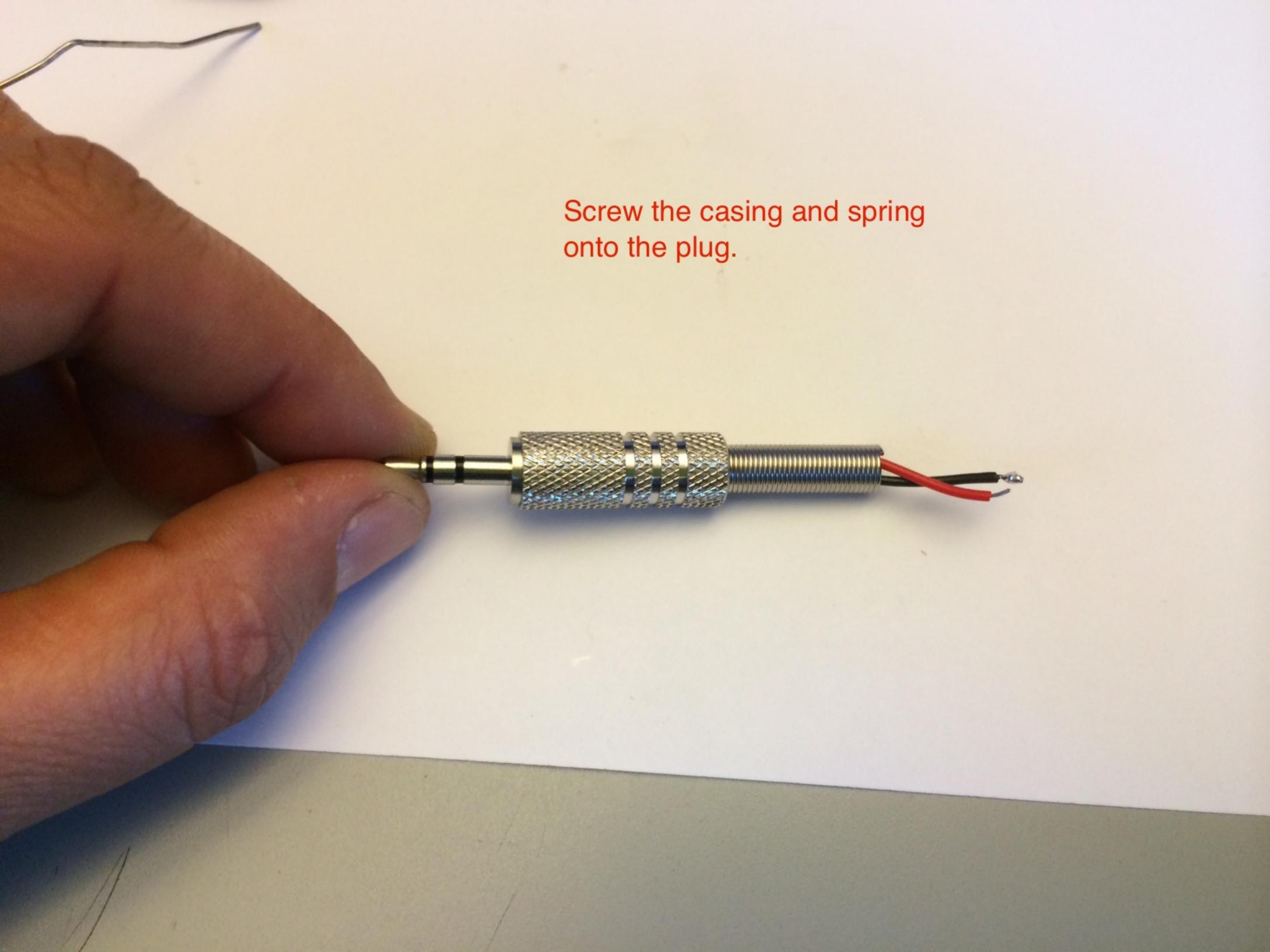


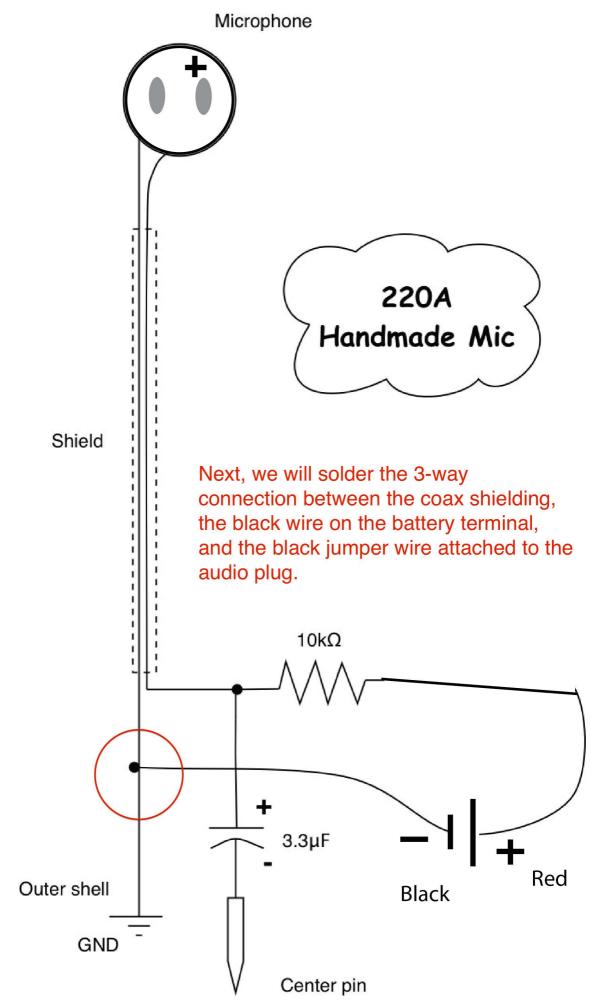


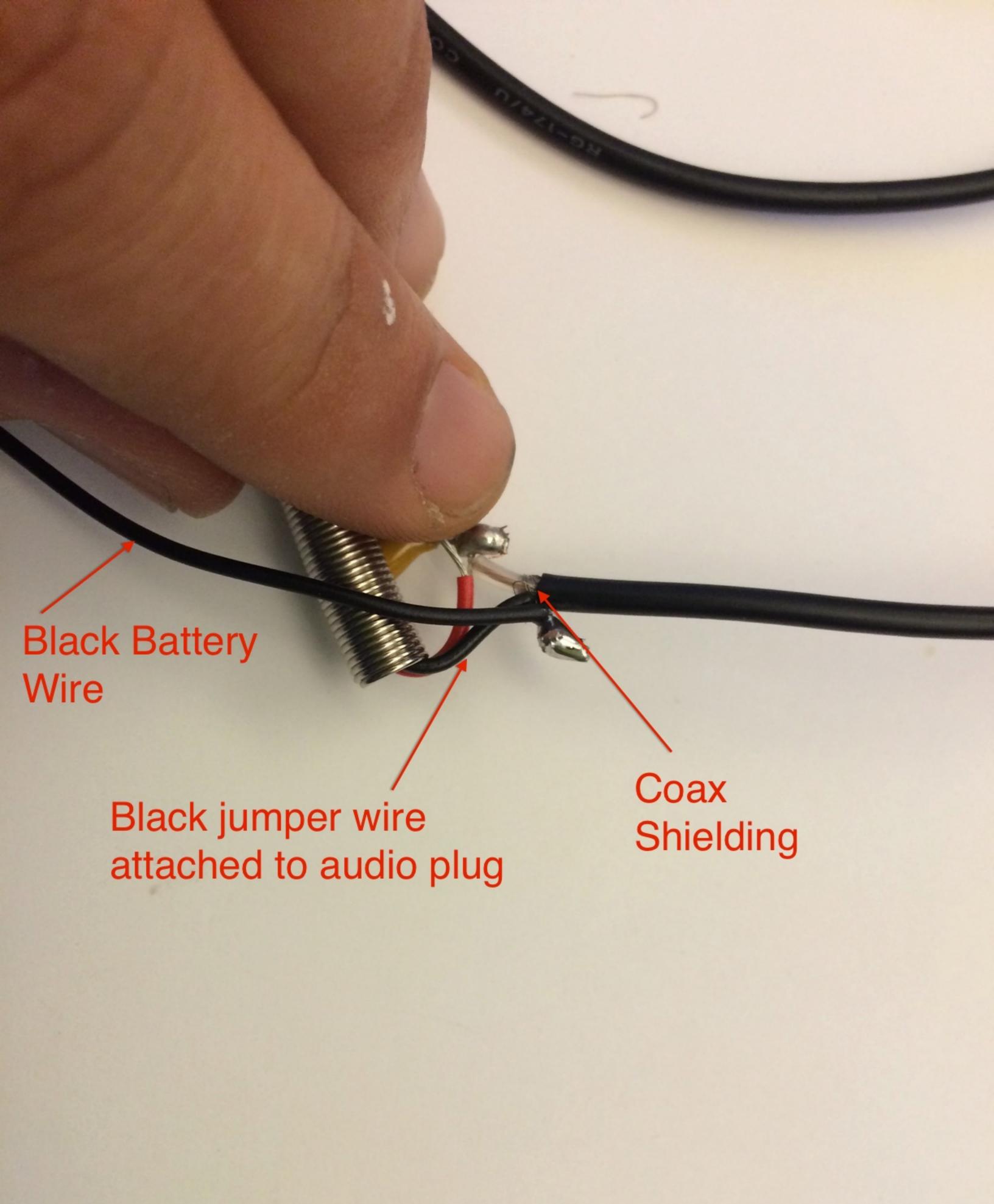


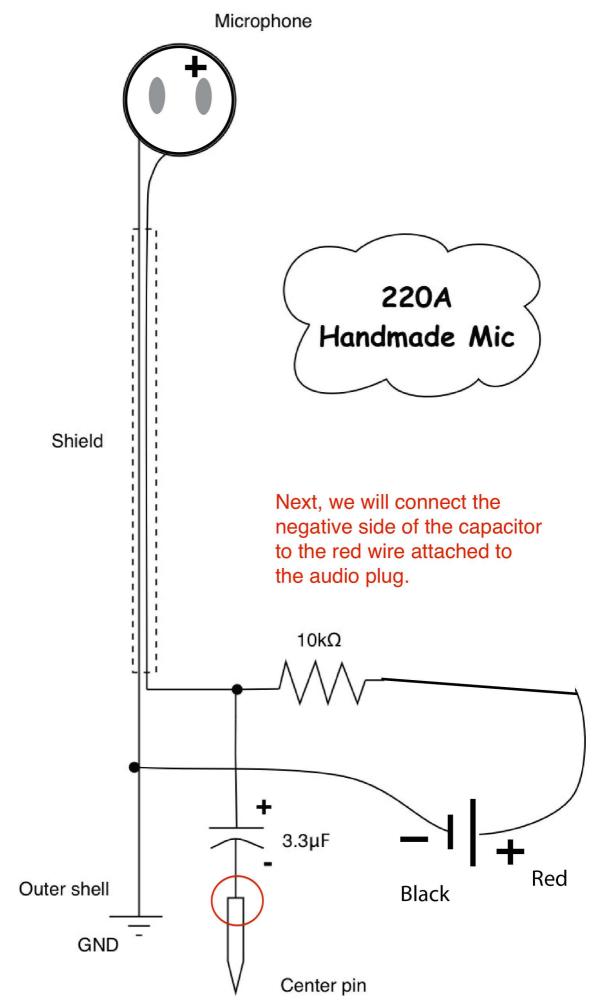


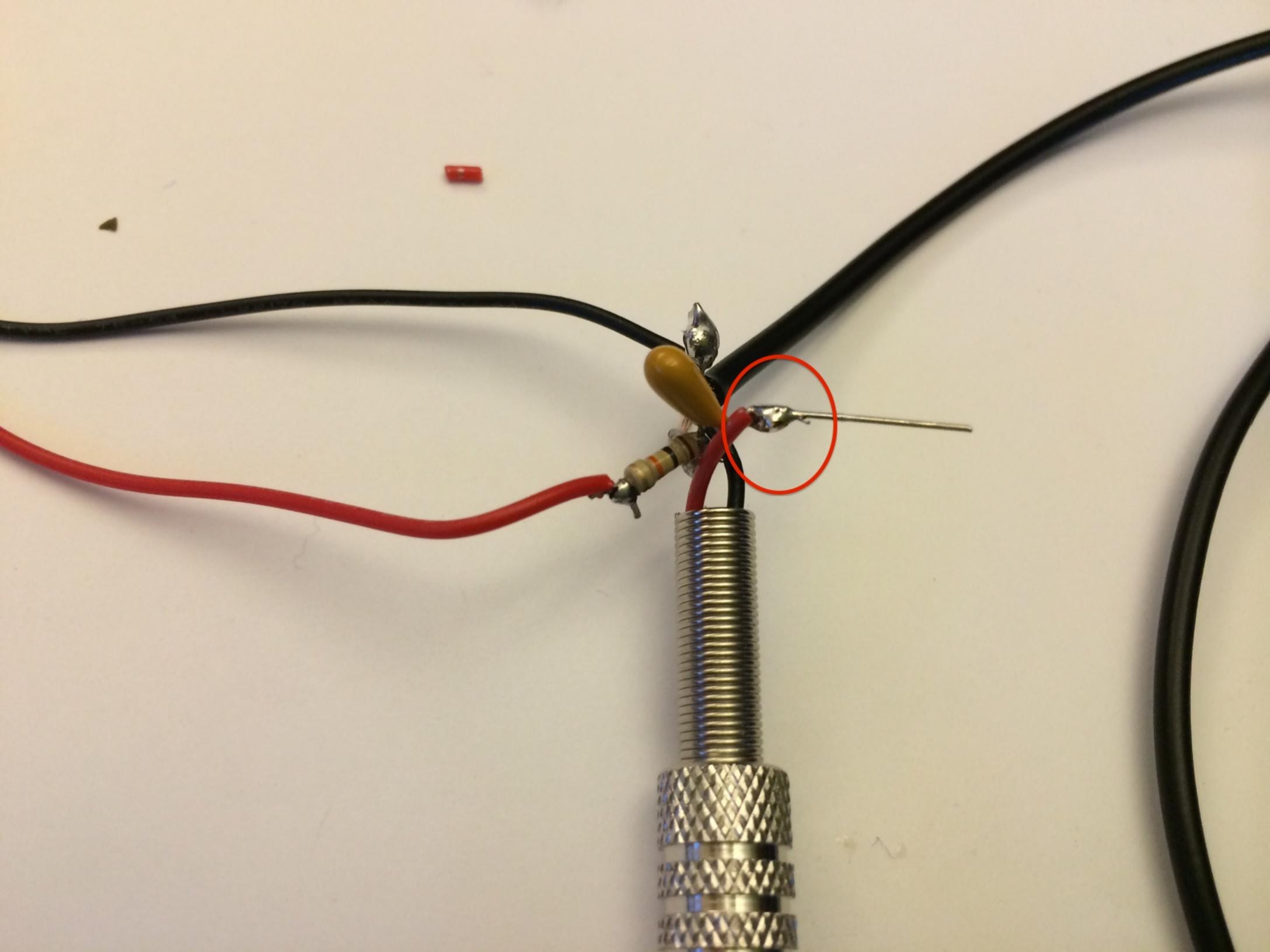


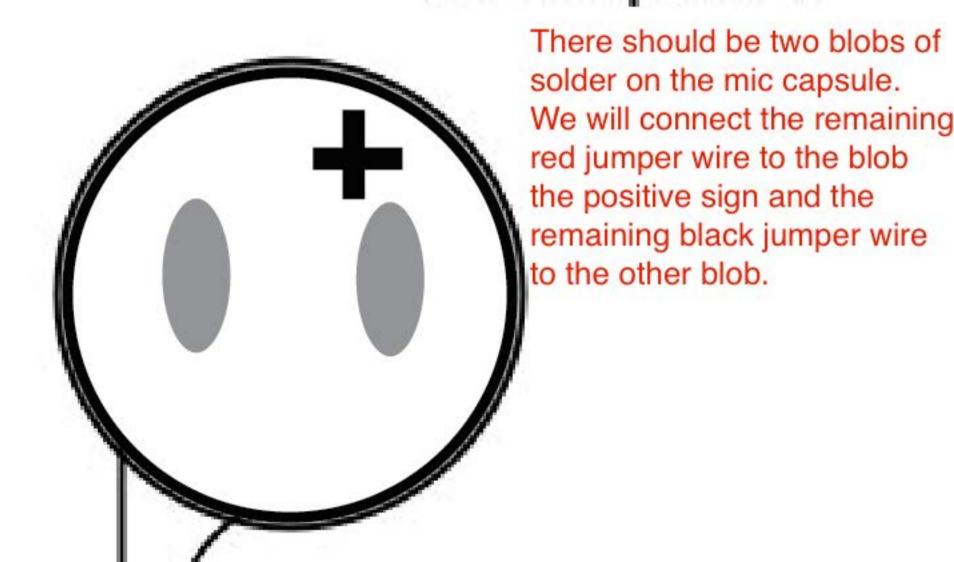










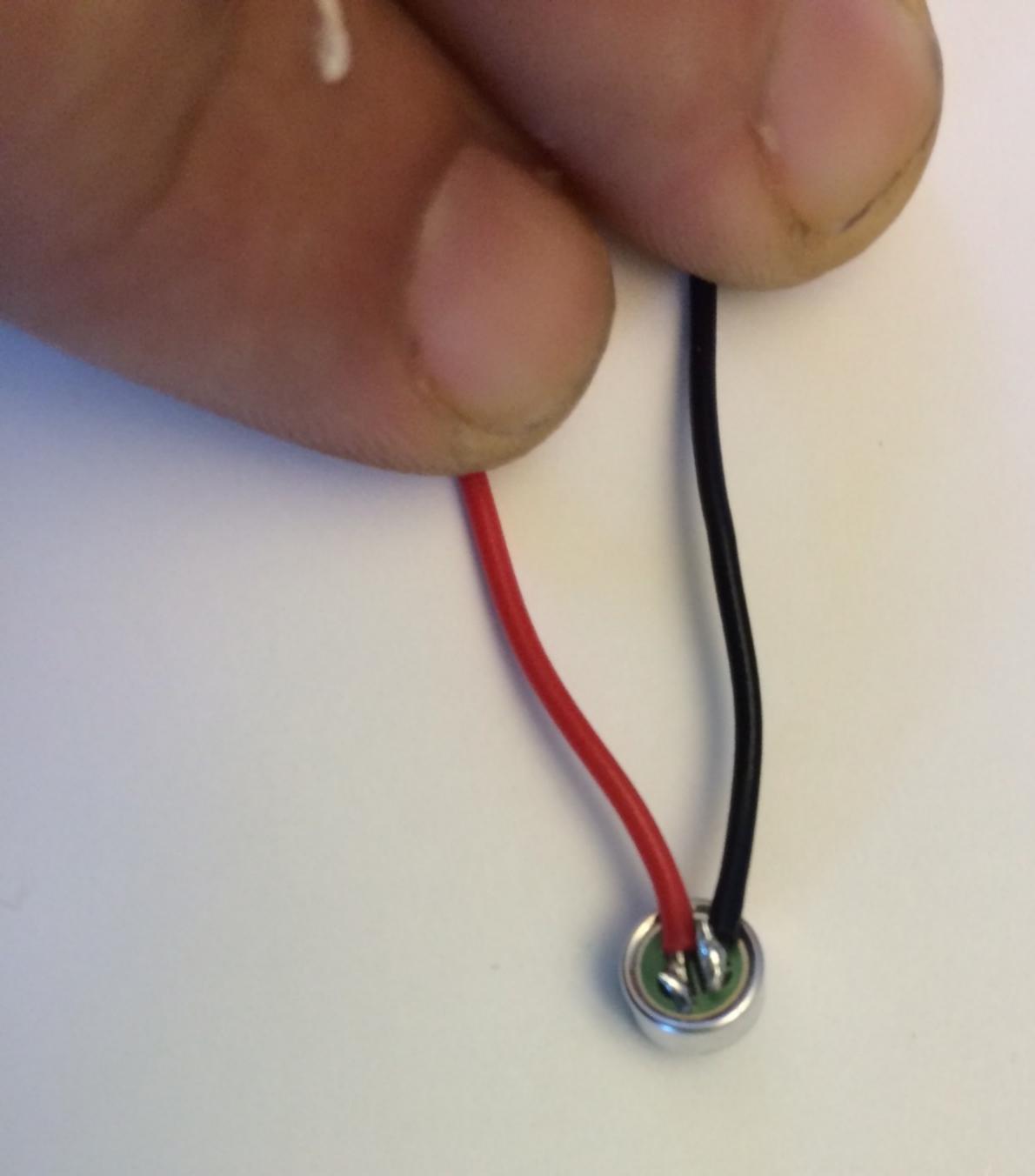


Soldering to the mic capsule is the only challenging part of this project. To make it work, we have a couple of tricks we can use.

1) Strip a tiny amount off of one of the ends of the jumper wire and apply a dab of solder to that end. This is called tinning the wire.



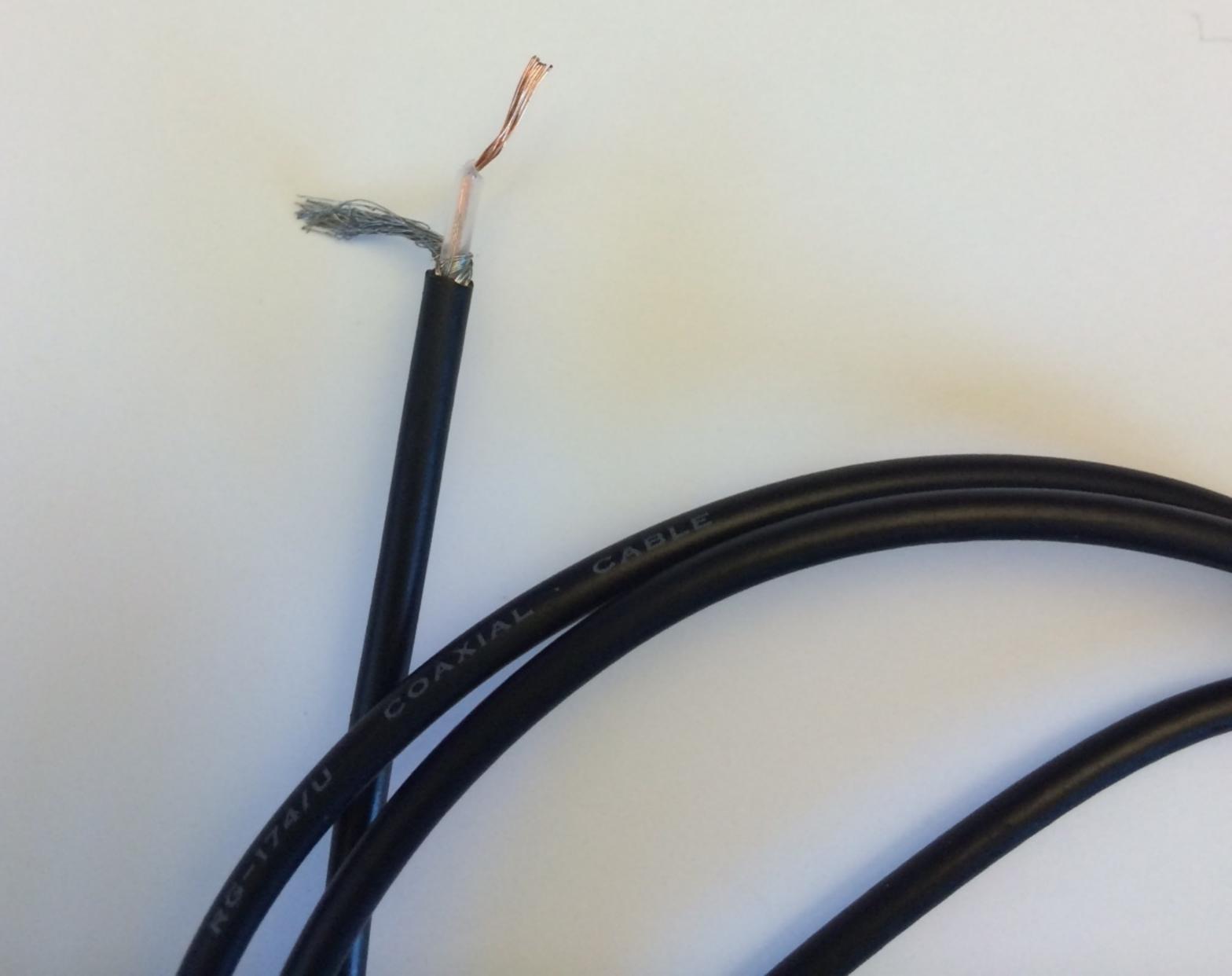
- 3) This will allow you to place that small blob onto the equally small blobs of solder on the mic capsule.
- 4) With the blobs resting on eachother, apply heat



This is how it should look in the end. Note that the rubber coating on each jumper wire goes right up to the soldering point. If you leave excess exposed wire, you will create a short and your mic will not work.

Now, take the side of the coax that you did not solder to yet.

Strip the coax wire down so that about 1/4" of bare copper wire is showing, 1/4" of clear plastic is showing. Pull the braided shielding over to the side.



Solder the jumper wires to the exposed coax cable. Red should go to the inner core Black should go to the shielding.



When you are done with all of these steps, carefully use electrical tape to wrap the individual connections, making sure to not allow any short circuits.

Plug a 9V battery into the battery terminal and test out your mic. It should work with most laptop mic inputs as well as the small test amplifiers we have in the lab.

When you are not using the mic, remember to disconnect the battery or it will run out.