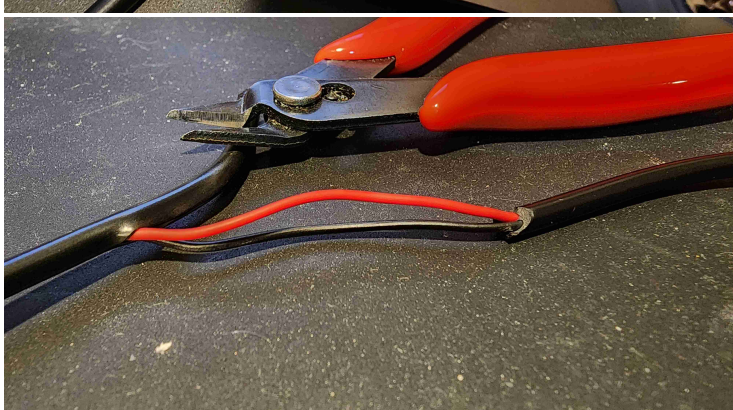
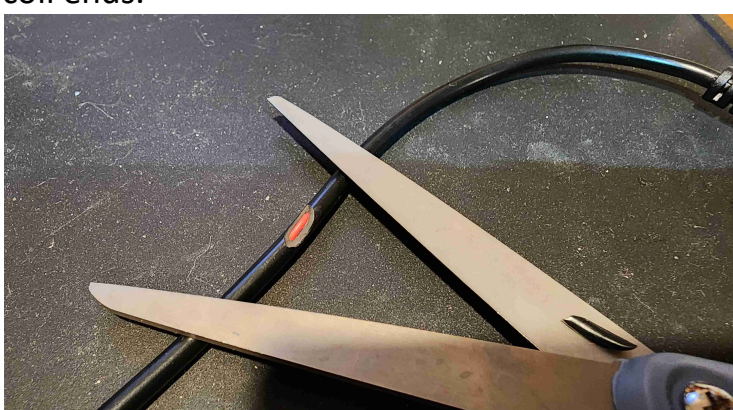
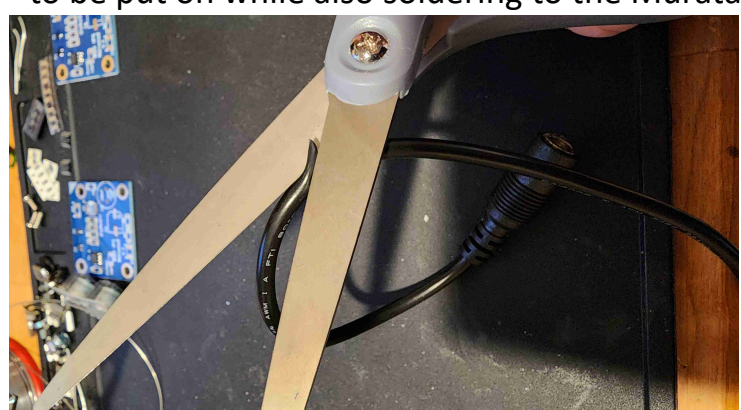


ACA Mini Murata Coil Install into 3D Printed Box

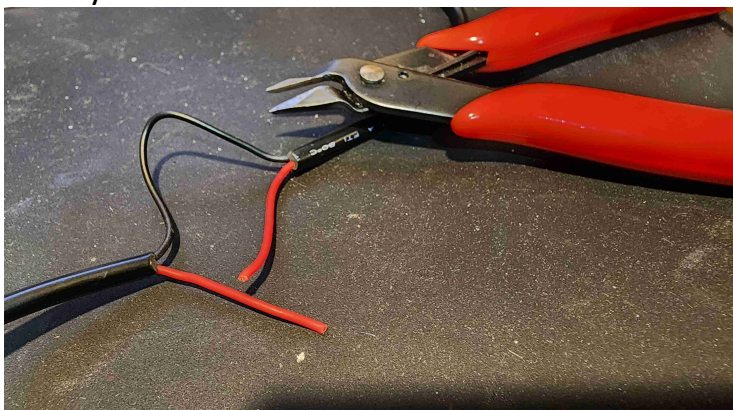
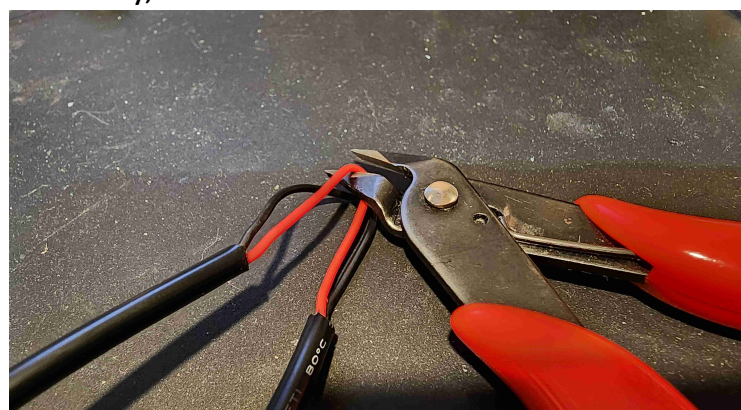
by birdbox (Rev 12-29-2024)



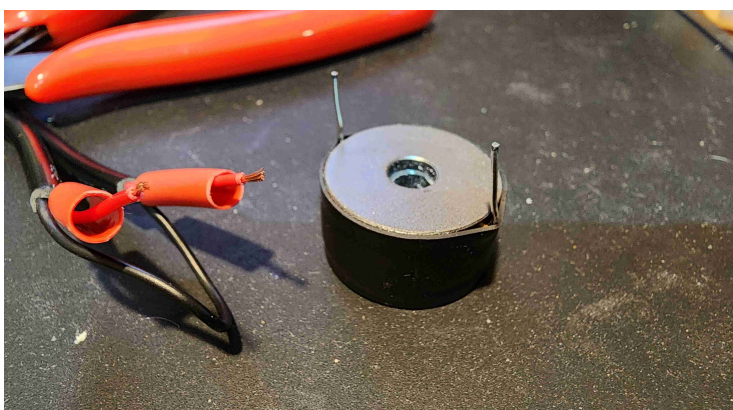
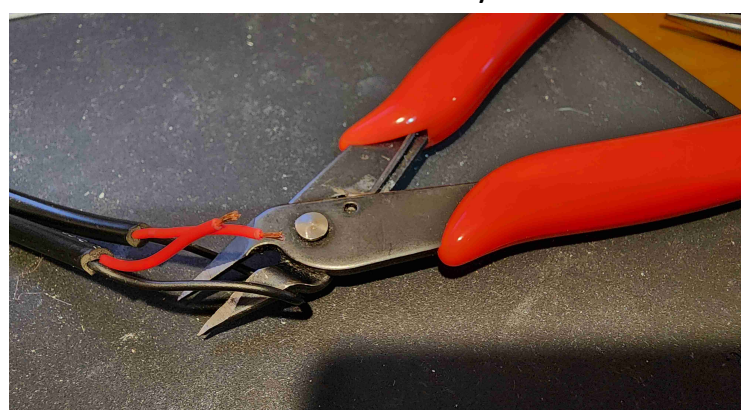
You could just simply cut the entire cable in the middle, then strip the thick outer cable PVC, then resolder the ground (black) back together. However, you can see I chose to carefully remove the black outer PVC shield while leaving the inner wires (blk & red) intact. Either option works. You need 1.5" of free wire for the red (positive) line in order to allow heat shrink to be put on while also soldering to the Murata coil ends.



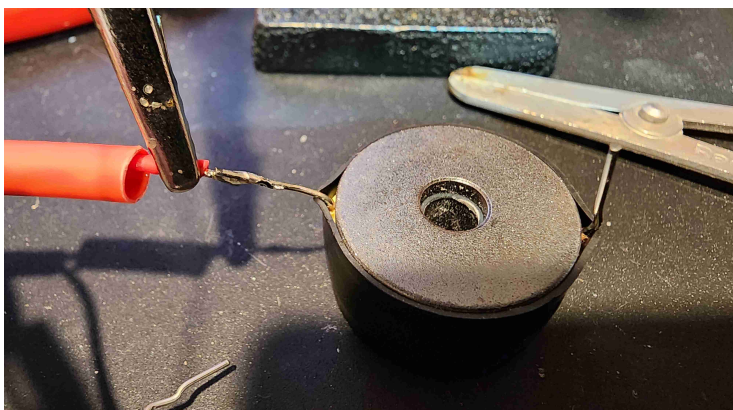
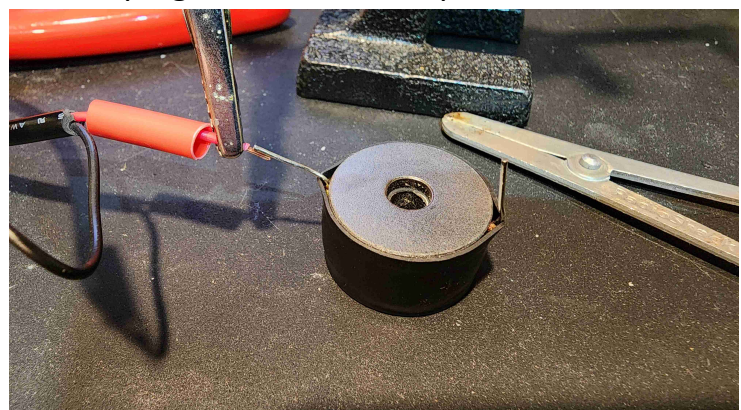
Ideally, the black wire is not cut. Cut the red wire so you have 1-1.5 inches on either end.



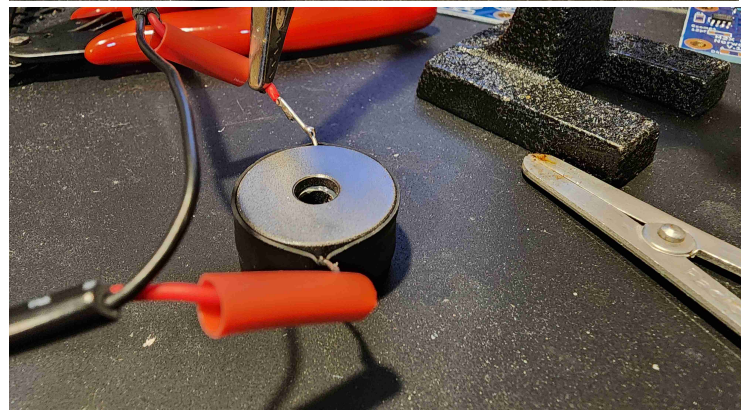
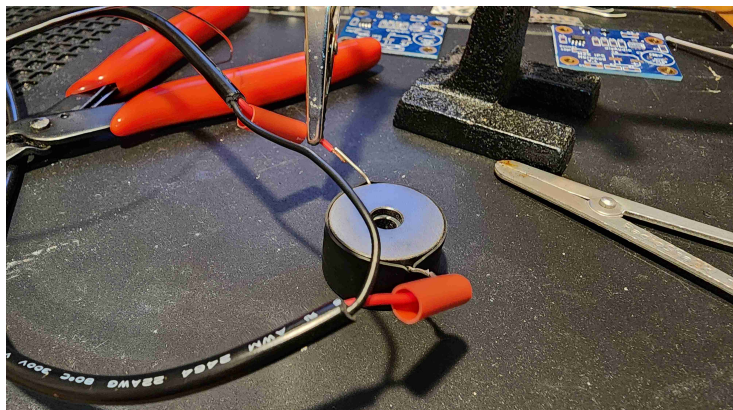
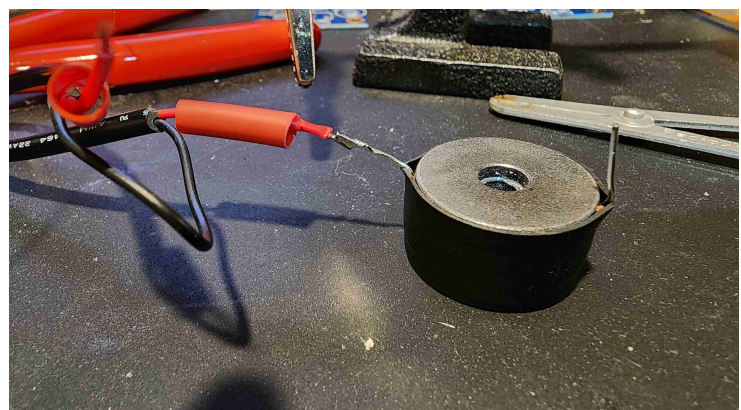
Add heat shrink before you solder the two red wire ends to the Murata coil leads.



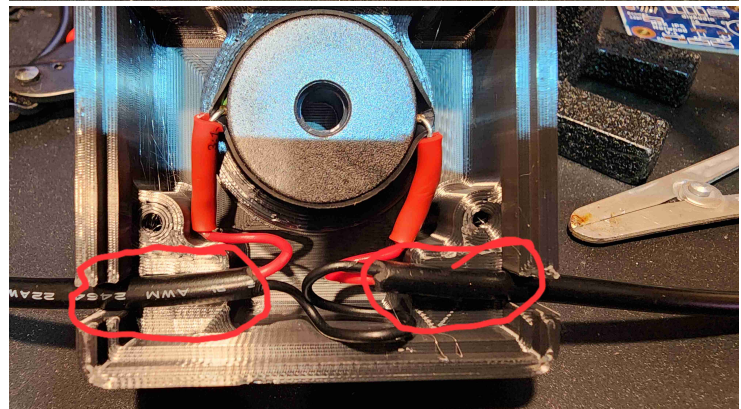
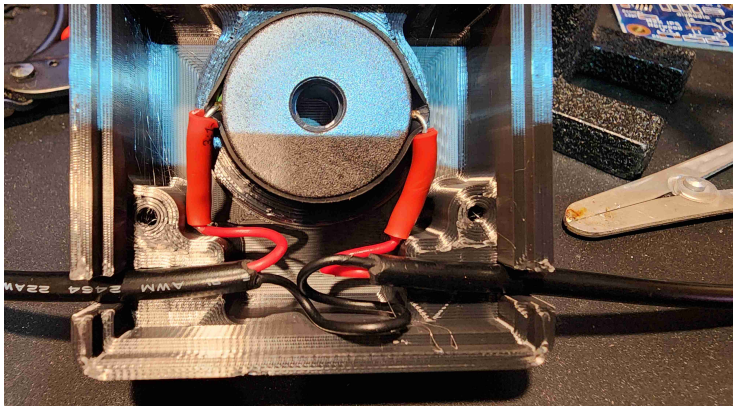
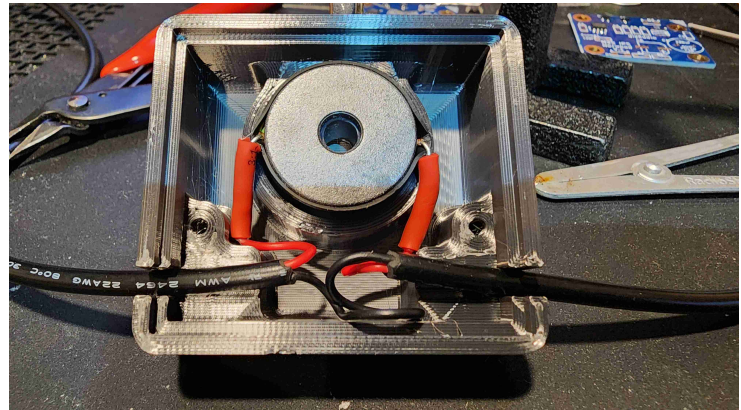
Use "Helping Hands" to line up free ends of red wire with the Murata coil lead. One at a time.



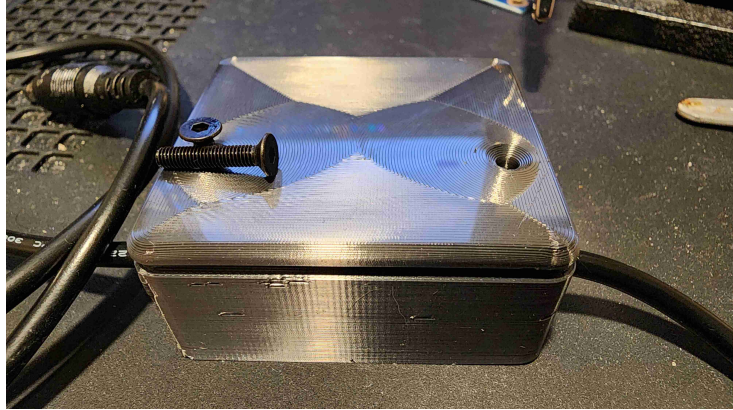
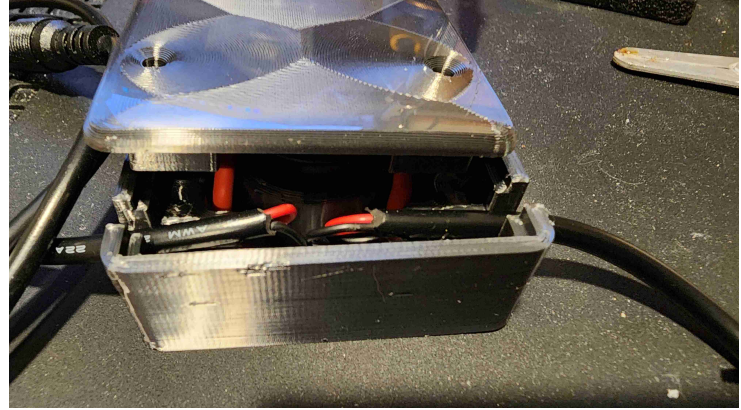
Solder red (positive) wire cut and stripped ends to the leads of the Murata coil.



Ensure the larger black PVC outer sheath is captured fully inside the slots used to grip it.



Push M3 bolts down into plastic as you tighten. Remember be gentle, it's threading into plastic.



Check for continuity – Outer to Outer is 0 ohms, Inner to Inner is 0 ohms. Outer to Inner is Open. Plug into your ACA Mini PSU and ACA Mini Power input and enjoy. Thanks ClaudeG!