



Boss AC Adaptor PSC-230E wire Repair

It's fairly common to break the wire on an AC adaptor right where the cable comes out of the case, as it bends and wears out.

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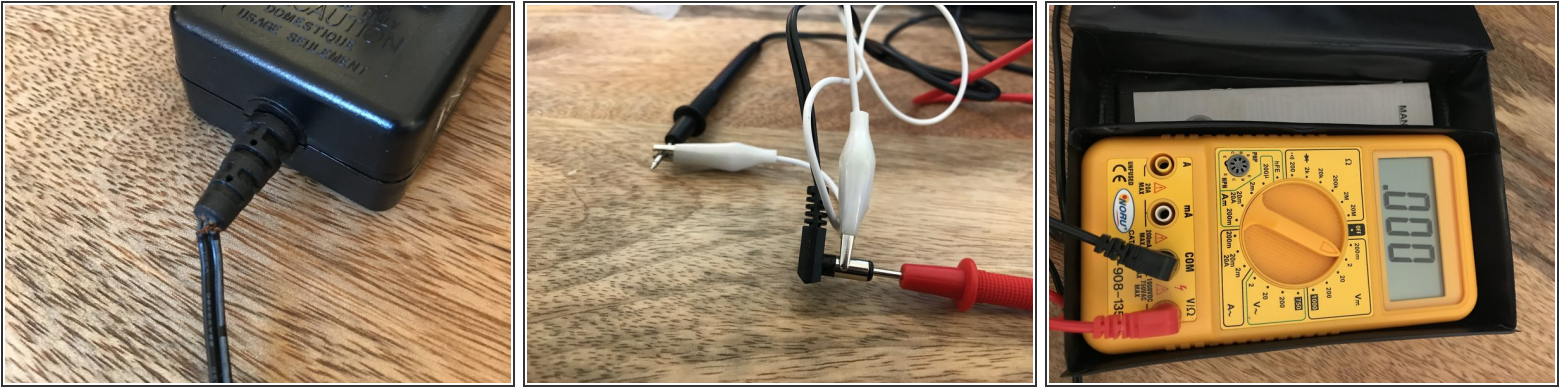




TOOLS:

- [Jimmy](#) (1)
- [Large Needle Nose Pliers](#) (1)
- [Precision Utility Knife](#) (1)

Step 1 — Assessing the damage



- Of all of the places where the wire can tear down, this is the most common, and also the most inconvenient to fix.

Step 2 — Access the top screw



- Remove the sticker to be able to access the screw that holds the two halves of the casing together

Step 3 — Unfastening the screw



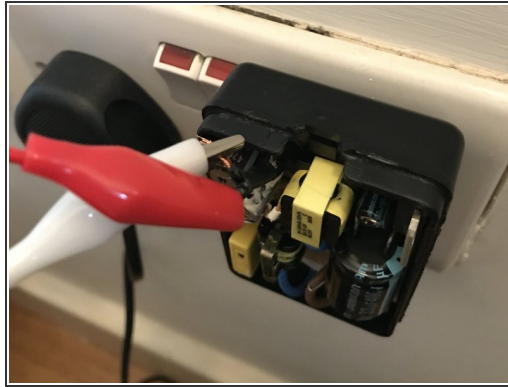
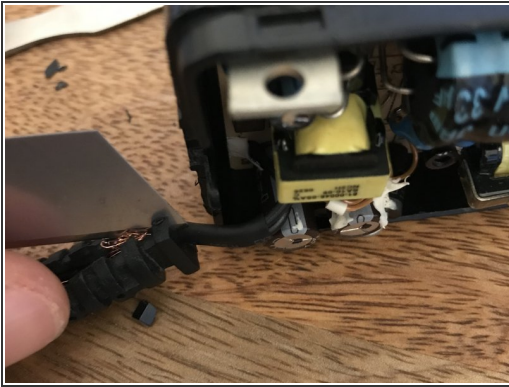
- The screw is tiny and requires some kind of tiny wrench that I don't have, so I made the whole a bit bigger around it to be able to unfasten it with regular pliers.

Step 4 — Open the casing



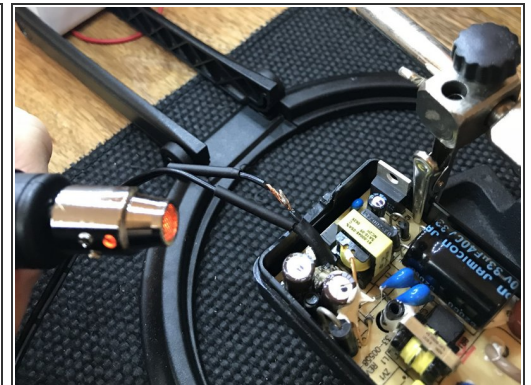
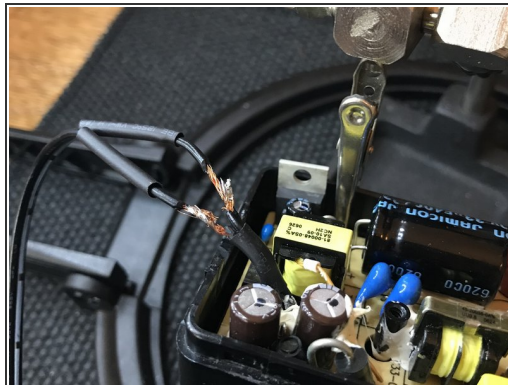
- with a thin tool like those on mobile phone repair kits, open the casing

Step 5 — Cut the broken wire



- Cut the wire and check that everything works but plugging a multimeter to the wires. This way you make sure there's nothing else wrong.

Step 6 — Soldering the wires



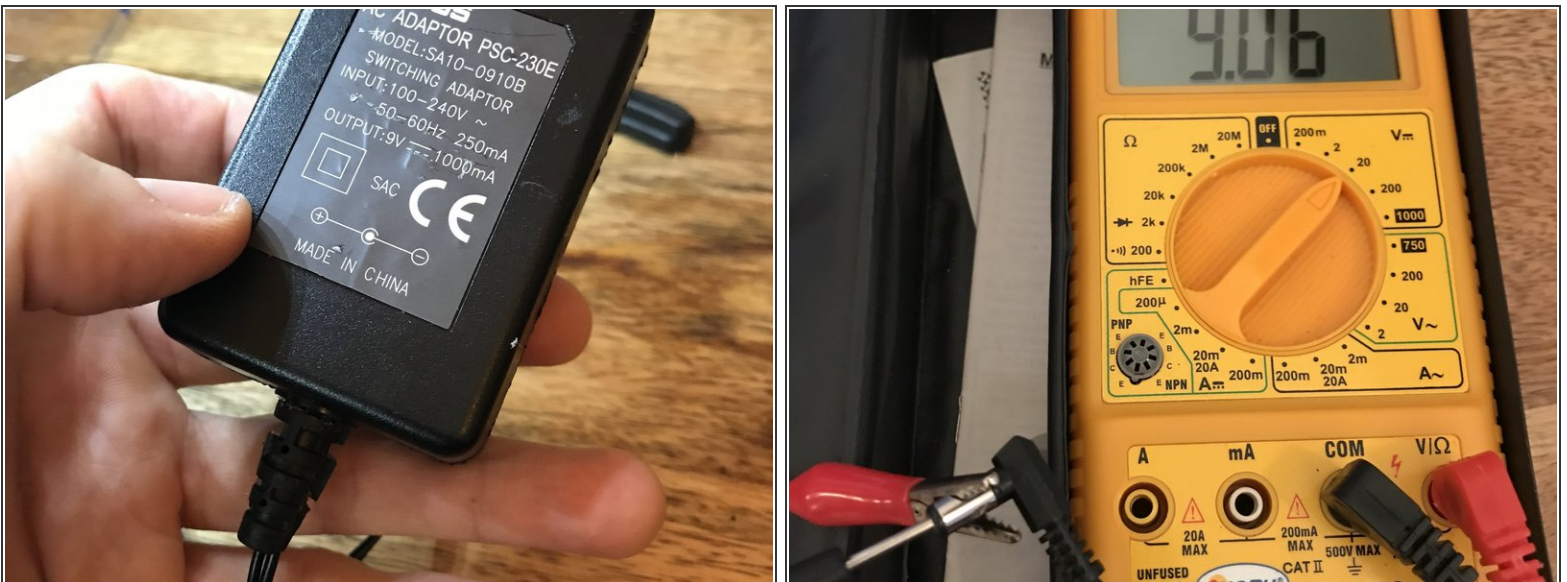
- get two pieces of heat shrink shield on each of the wires before doing any soldering
- Solder the wires to the ends on the casing. Make sure to respect polarity! The negative end is marked with a dashed line
- Place the heat shrink shield over the soldering and apply heat to seal

Step 7 — Securing the wires coming out of the case



- the bit that protects the wire as it comes out of the casing needs to be cut in half to be reused, and you also want to make the hole in the middle larger so that the new soldered wires fit
- A bit of hot glue will keep things in place
- Add some electrical tape for extra firmness and insulation

Step 8 — Check that everything works



- Put back the screw, the sticker and with a multimeter check that you've got the desired voltage output, in the correct polarity!

To reassemble your device, follow these instructions in reverse order.