



Bodum Bistro B.Over Coffeemaker Thermal Cutoff Fuse Replacement

Replacing brown thermal cutoff fuse for Bodum B.Over Coffeemaker (Bodum Item# 11001) .
Including comprehensive disassembly procedures.

Written By: C Yang



INTRODUCTION

Replacing brown thermal cutoff fuse for Bodum B.Over Automatic Pour-Over Electric Coffeemaker (Bodum Item# 11001). Including comprehensive disassembly procedures.



TOOLS:

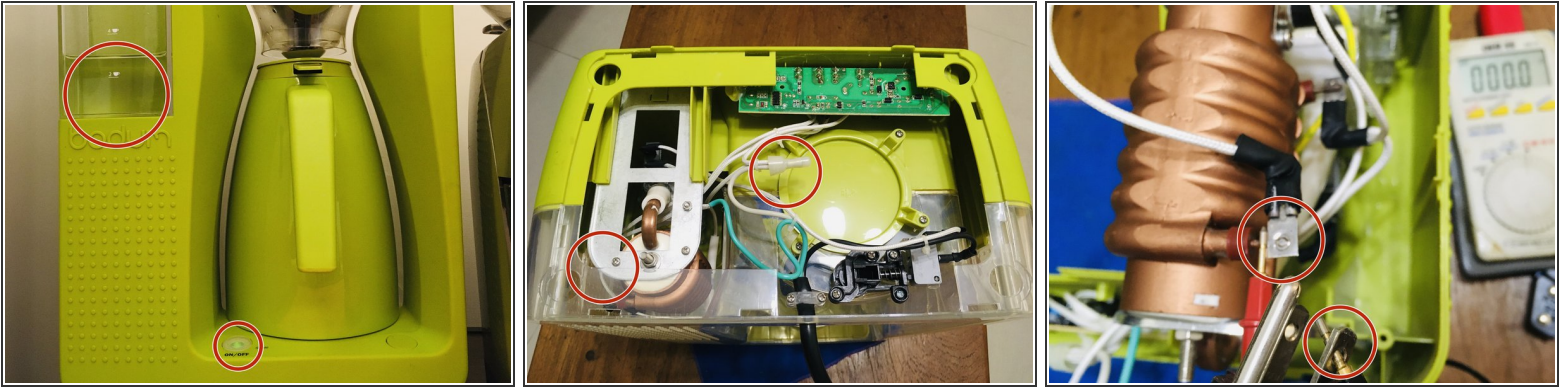
- [Wire stripper/crimping tool](#) (1)
- [Phillips #1 Screwdriver](#) (1)
4 inch or longer
- [iFixit Opening Tools](#) (1)
- [Plastic Cards](#) (1)
- [Multimeter](#) (1)



PARTS:

- [Crimp Bead](#) (1)
- [Thermal Cutout](#) (1)
172°C 15A
SF169E 172°C 120V 15A

Step 1 — Symptoms - Before getting started.



- Power LED on, water level not dropping or stopped dropping on brewing.
- After opening the base cover, you can check the thermal cutoff fuse by measuring resistance between Neutral - the white wire from power plug and the contact at lower of water heater (which is behind the metal plate below the water heater connecting to Ground - green wire)
- If the resistance level is indefinite (cutoff), this mean you have a brown fuse.
- If Power LED cannot turn on, you might have problem with one of microswitch, water level sensor and jug position sensor. In this case, you might try to clean the microswitch with electronic contact cleaner.

Step 2 — Removable parts & water.



- Remove jug, filter and water tank.
- Open the top cover and remove the silicone "showerhead".
- Empty remaining water by putting it upside down over kitchen sink.

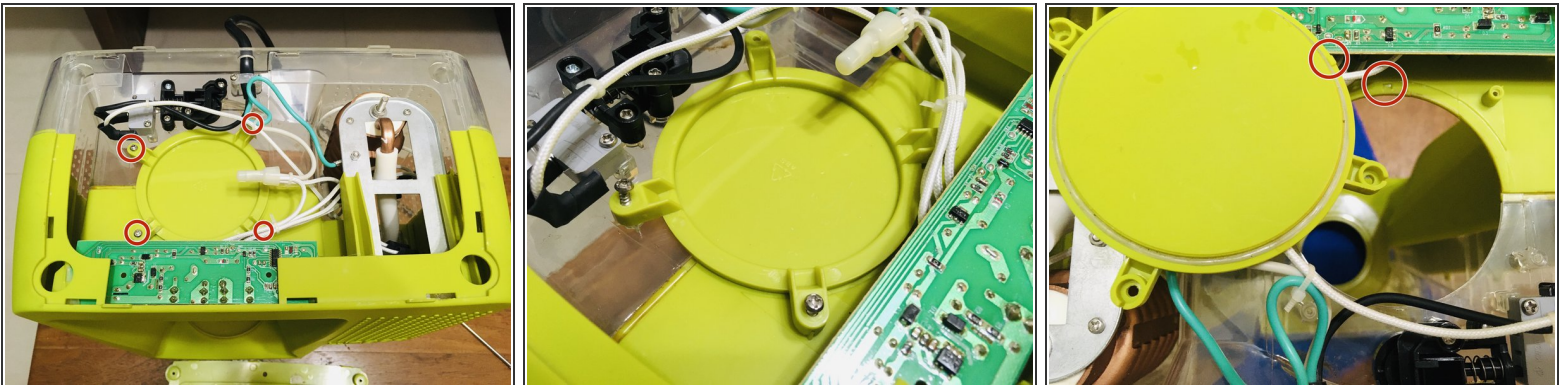
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Step 3 — Open the base.



- Remove the base by sliding a plastic opening tool or a flat blade screwdriver from the corner.
- Slide plastic card and gradually open the whole base.

Step 4 — Remove round platter securing the lower body.



- Remove the four screws from the round platter.
- Notice that there is a small index key which must be aligned on reassembly.

Step 5 — Detach top assembly.



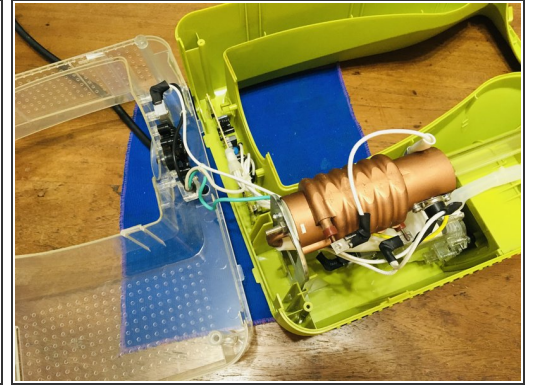
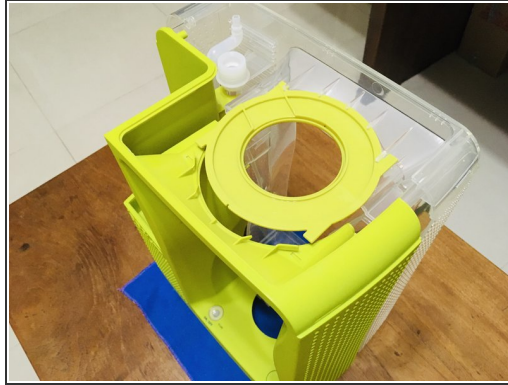
- Slide the plastic opening tool from corner to open the top assembly.
- Be careful with the silicone vapour pipe on opening. You can also push the pipe head into the hole before opening as it is soft silicone material.

Step 6 — Detach the upper connector.



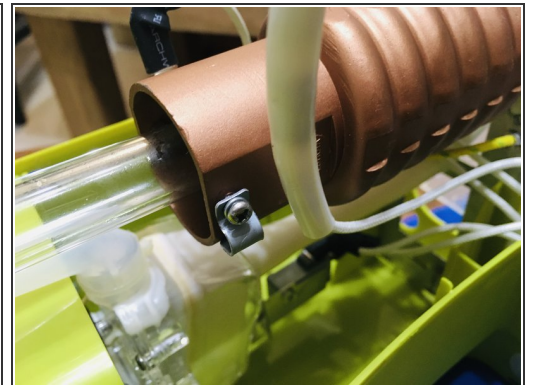
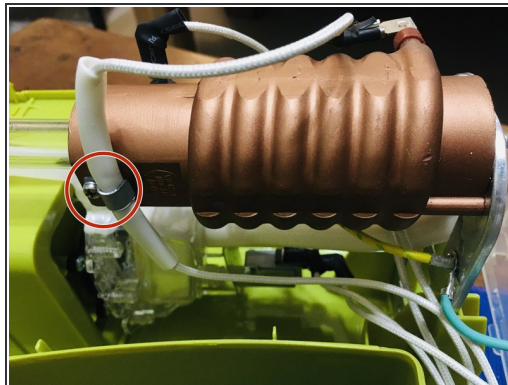
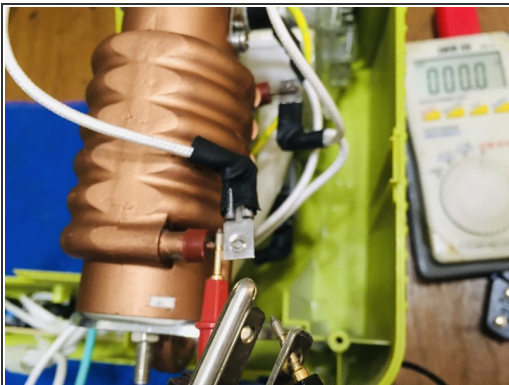
- Slightly bent the plastic hook at corner of the round plastic connector.
- Carefully detach it from the front side of the body.

Step 7 — Pull the front and rear parts apart.



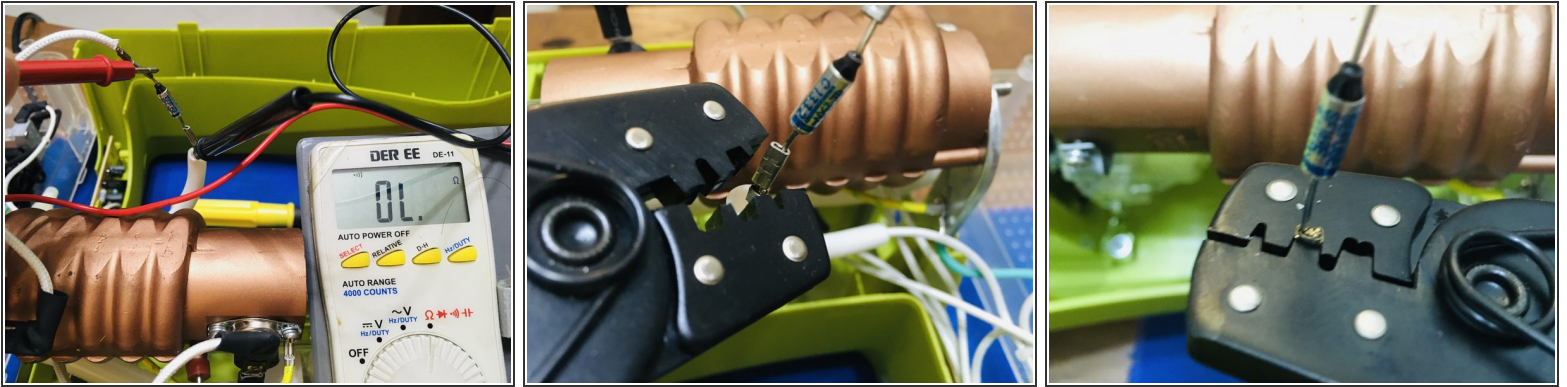
- Pull the front and rear parts apart.

Step 8 — Check and remove the thermal cutoff fuse.



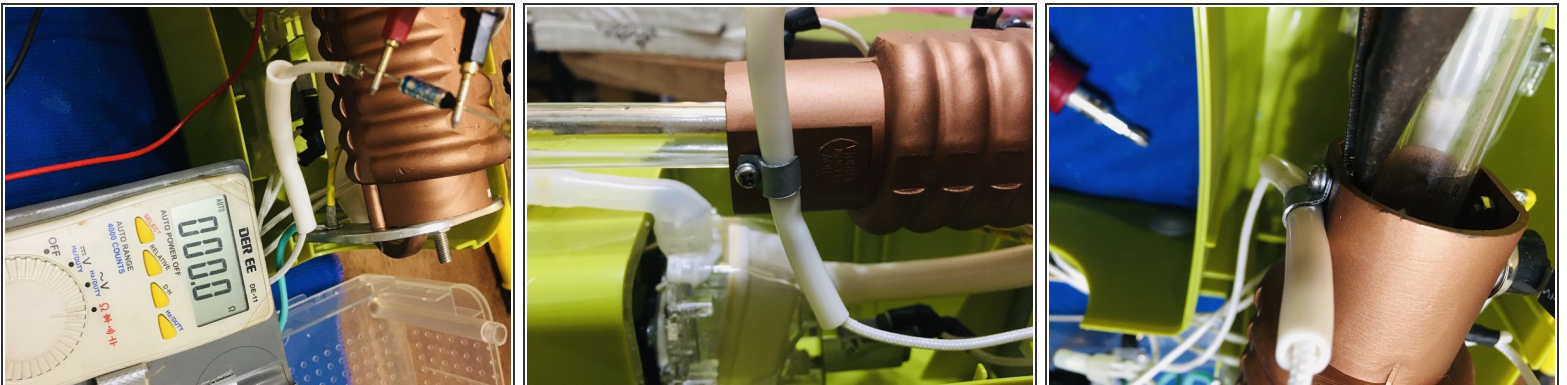
- Check if the fuse is brown with multimeter. There should be zero resistance between "Neutral" on the plug and the lower connector of the water heater. (This photo is actually taken after replacement, so the reading is zero.)
- If the reading from multimeter shown the fuse is disconnected. Loosen the screw and pull out the silicone tube holding the thermal cutoff fuse.

Step 9 — Replacing thermal cutoff fuse.



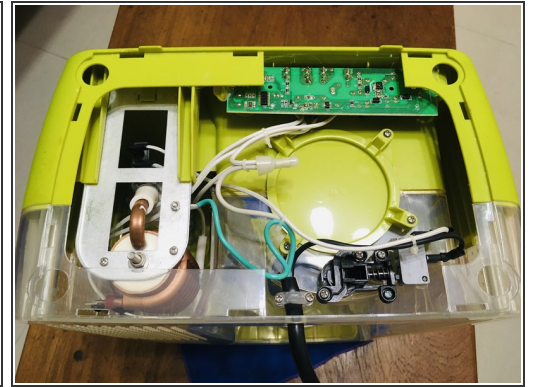
- The thermal cutoff fuse (SF169E, 172°C, 120V 15A) is crimped with copper beads.
- You can try to loosen the bead and rotate the thermal cutoff fuse to pull it out.
- Crimp new thermal cutoff fuse and try to rotate and pull to test if its secure enough.

Step 10 — Test and secure the thermal cutoff fuse.



- Measure the resistance of the new thermal cutoff fuse. The reading should be zero.
- Secure the thermal cutoff fuse and use touch or flash light to make sure it's centred on the bracket. You might need a plier to hold the nut as it's not fixed inside.

Step 11 — Reassembly.



- Put the coffeemaker horizontal and press to secure the front and rear part of body.
- Replace the top and bottom.

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