Black and Decker 3-Cup Rice Cooker Button Mechanism Repair

The device contains an internal mechanism used...

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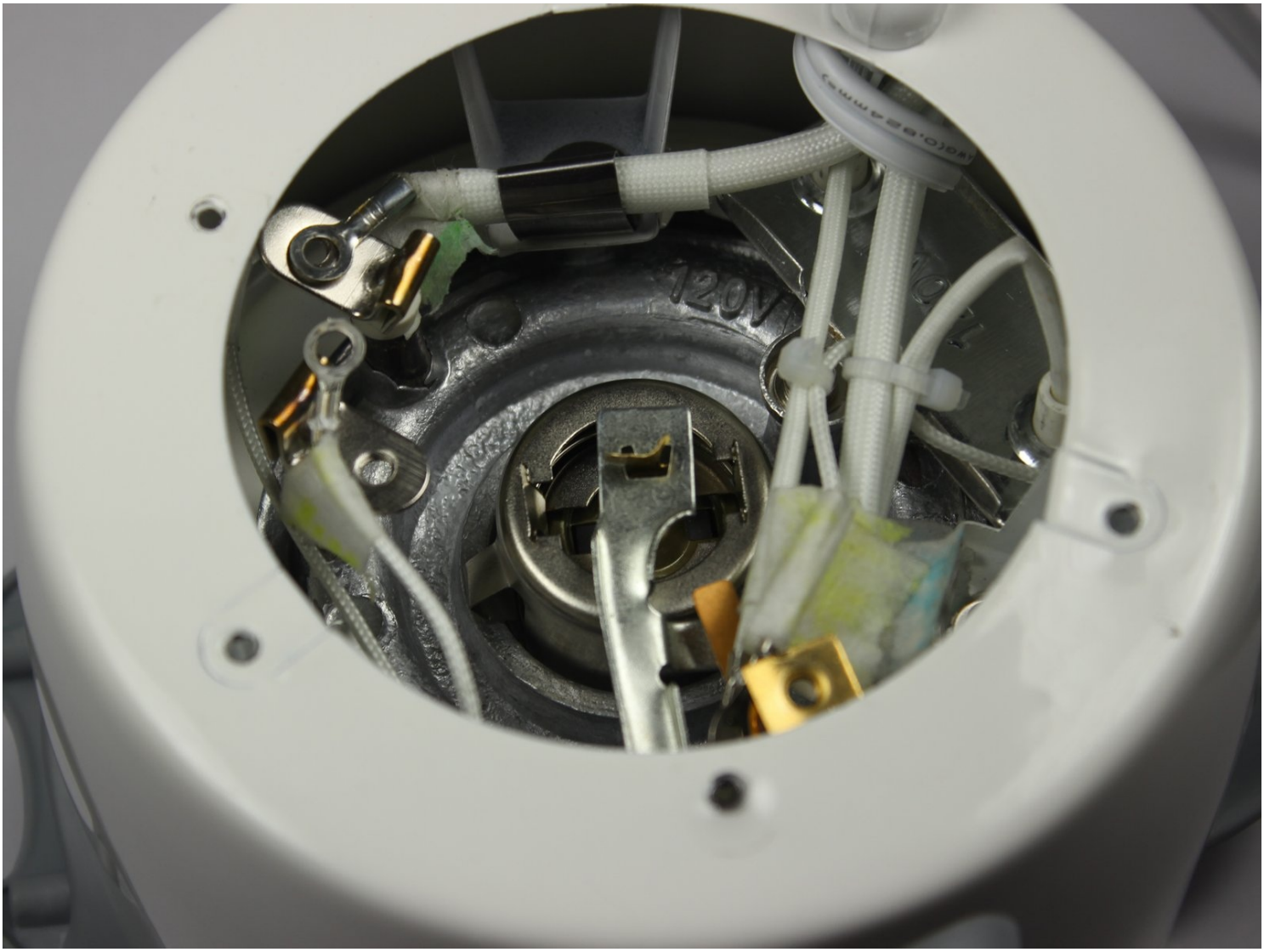


INTRODUCTION

The device contains an internal mechanism used to lock the hotplate into place while cooking. In this guide we will show how to identify whether the mechanism is broken, and how to fix it if it is. Fixing the mechanism involves moving and bending one of the internal parts so it locks into place properly.

TOOLS:

Phillips #1 Screwdriver (1)
Spanner 2.6 Screwdriver (1)
iFixit Opening Tool (1)
Large Needle Nose Pliers (1)

Step 1 — Remove the Lid and Bowl

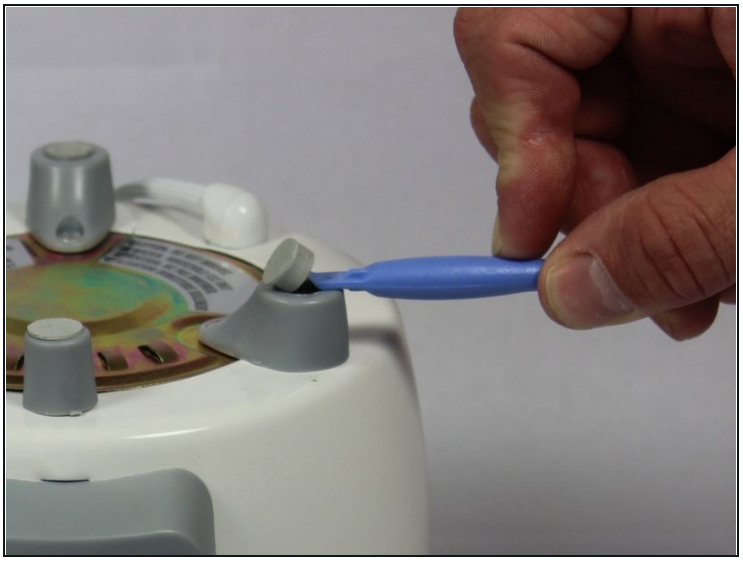
⚠ *Make sure the device is unplugged before beginning disassembly!*

- Lift the lid and bowl from the top of the device.

Step 2 — Turn the Device Upside-Down

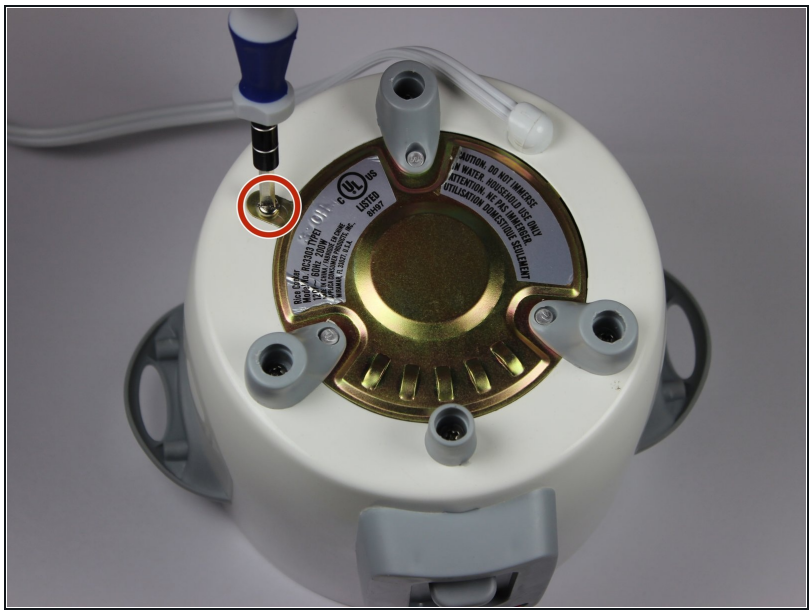
- Turn the device upside-down, so that the four legs of the device point upwards.

Step 3 — Remove the Rubber Cushions



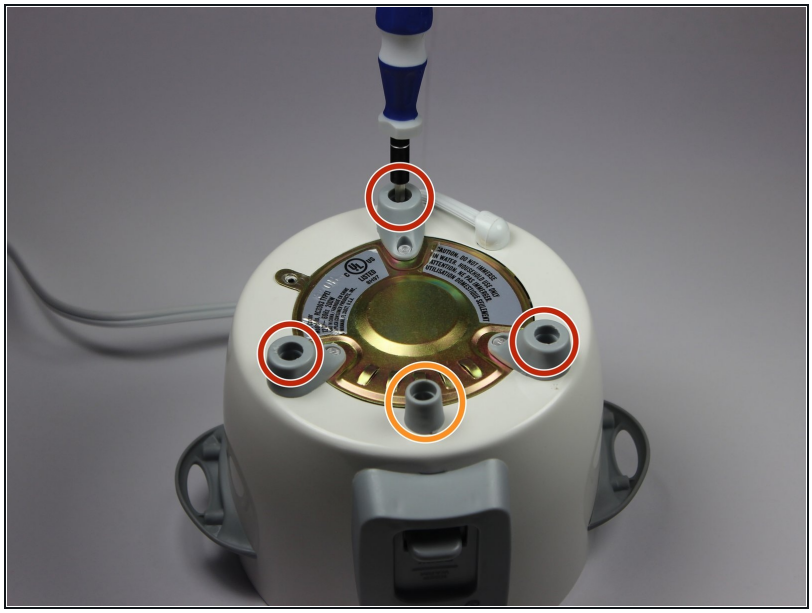
- Each of the four legs has a rubber cushion on its bottom. For each cushion, insert a plastic opening tool between the plastic leg and rubber cushion, and pry off the rubber cushion.

Step 4 — Remove the Spanning Screw



- Using a spanner screwdriver, remove the one 10mm long 7mm diameter spanner screw from the side of the brass panel.

Step 5 — Remove the Leg Screws

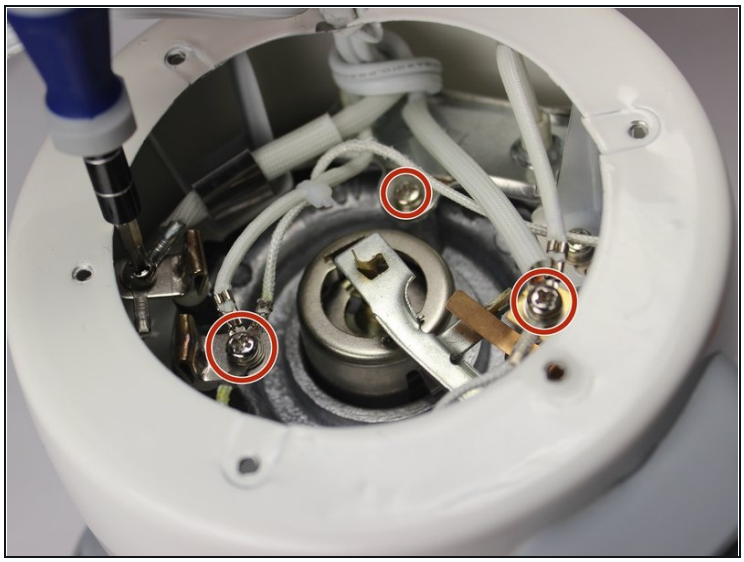


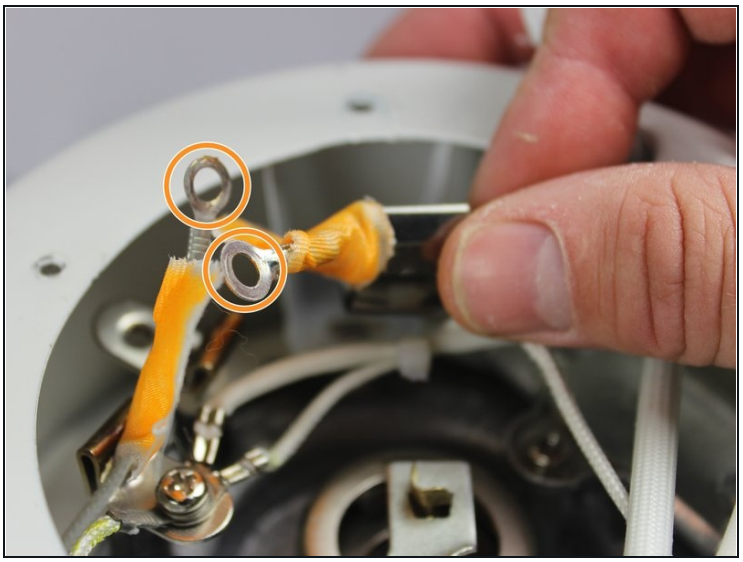
- Using a Phillips screwdriver, remove the 10mm long 7mm diameter Phillips-head screws from the inside of all four legs.
- The smaller leg at the bottom is now loose and not attached to the device. Set it aside.

Step 6 — Remove the Brass Plate

- Lift the brass plate off the device and set it aside.

Step 7 — Color the Wires



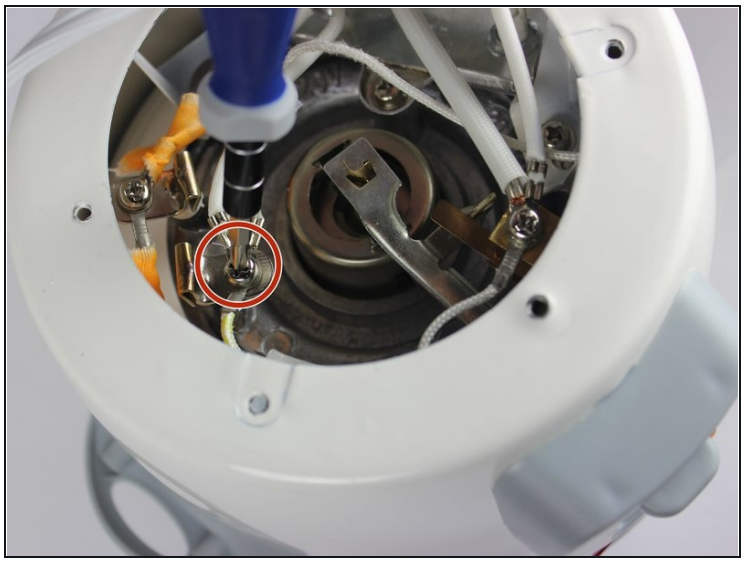


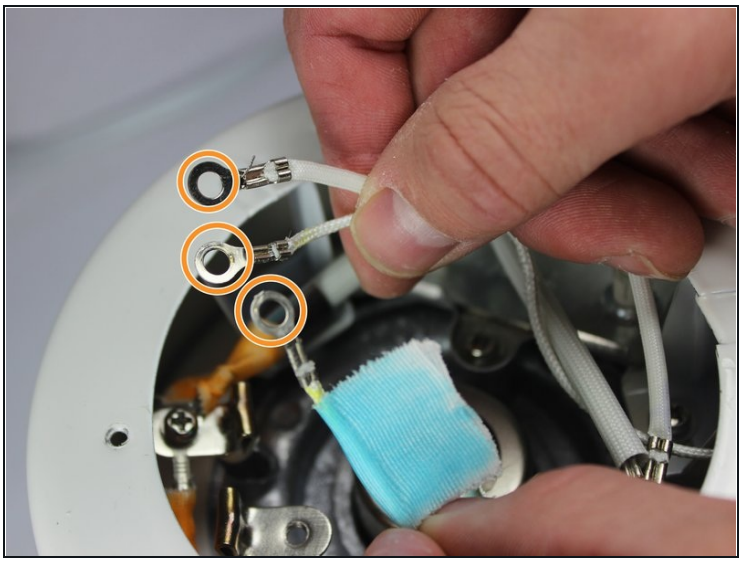
Color coordinating wire groups make it easier to identify the wire groups during reassembly.

Inside the device, there are three junctions with wires joined by Phillips-head screws. The first is connected to two wires, and the other two are connected to three wires each.

- Unscrew the screw at the junction near the opposite side of the device from the front panel.
- Label each of the two wires at this junction with a single color of tape.

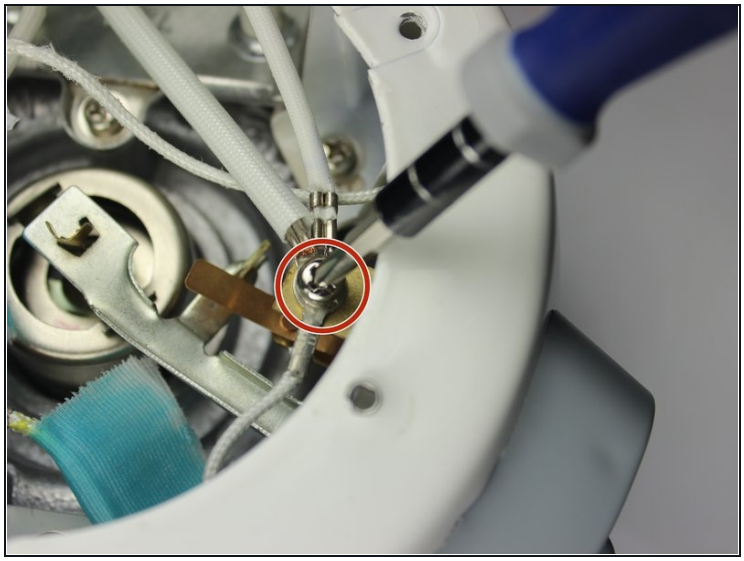
Step 8 — Label the Second Wire Junction

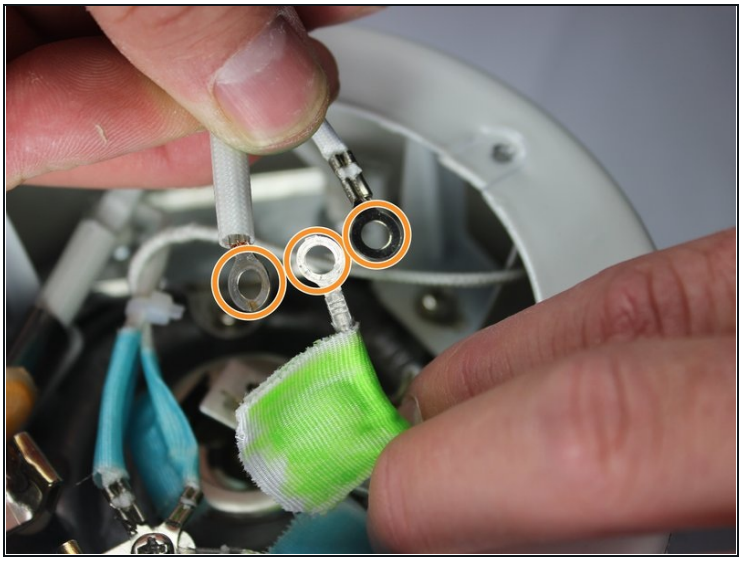




- Unscrew the screw at the junction just clockwise from the button panel.
- Label the three wires of this junction with tape of a second color.

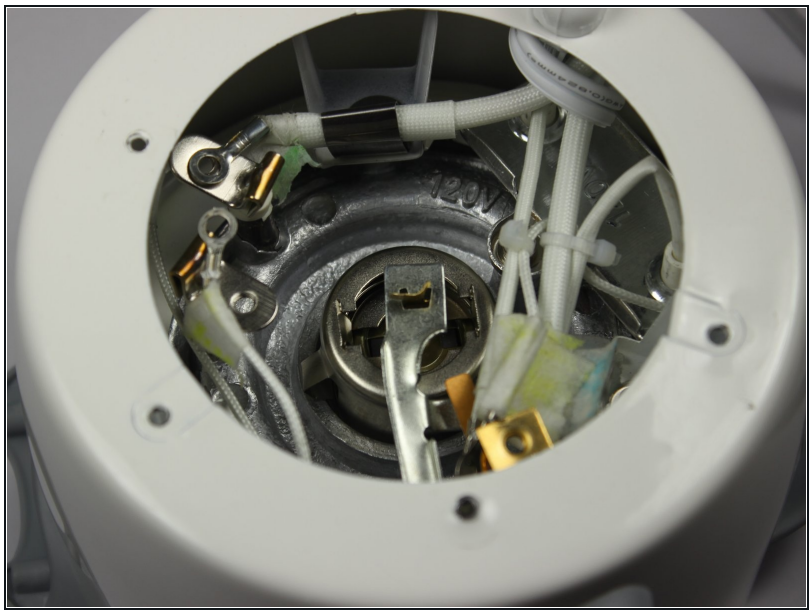
Step 9 — Label the Third Wire Junction





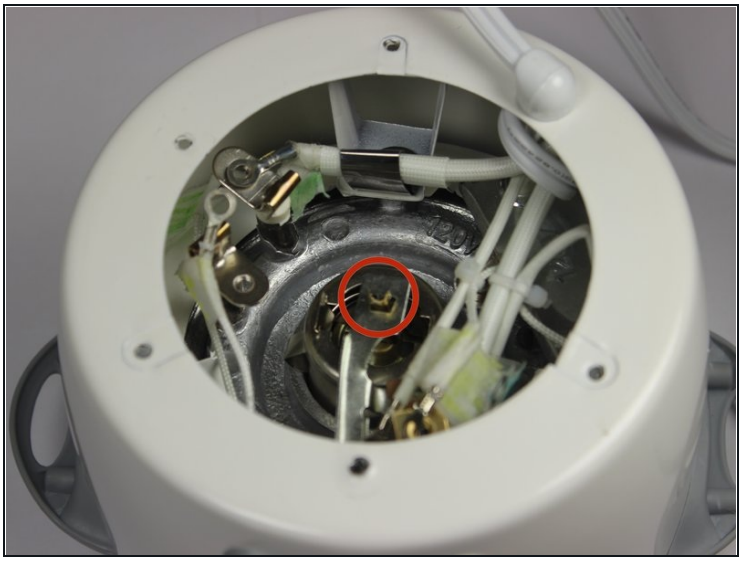
- Unscrew the screw from the wire junction just behind the front panel.
- Label the three wires at this junction with a third color of tape.

Step 10 — Check the Locking Beam



- On the inside of the device, there is a silver-colored beam leading to the center with a U-shaped brass beam poking through it.
- The U-shaped brass beam should be bent outwards so that it cannot fit through the hole in the silver-colored beam.

Step 11 — Position the Brass Beam



- If the brass beam is not poking through the silver-colored beam, you will need to position it so that it is.
- Position the brass beam below the hole in the silver-colored beam and push the silver-colored beam into it, so that the brass beam pokes through.

Step 12 — Bend the Brass Beam

- If the brass beam can't fit through the hole in the silver-colored beam, use pliers to bend the brass beam outwards so that it does not fit through the hole in the silver-colored beam.

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