

WATER BOILER MAINTENANCE

Changing your Heating Element and Magnesium Rod

What you need

- Take photos of each step!
- You need a Small Phillips Screwdriver with long shaft
- #14 Socket Wrench
- Permanent marker
- Secure the water boiler so that it doesn't fall over

Steps to remove parts

- Remove the cover by removing the small screw
- A slight twist counter-clockwise will remove the cover
- Take a photo of the wiring before you remove any screws or nuts 
- Mark a line on the ring and the foam so you know where to line them up on re-install -VERY IMPORTANT
- First, remove the 2 silver nuts around the outer casing and move the components out of the way
- Then loosen and remove the nuts around the outer edge be sure to find a safe place for these
- Remove the 2 red wires and the single blue wires from the terminals (set screws aside)
- Remove the smaller screws from either side of the round part that has 4 terminals on it. You may have to loosen the terminal screws to gain access (no need to remove them)
- Pull out the thermometer and the temperature sensor, watch out as there are little rubber gaskets that pop out with them, please put those aside.
- Now everything should be clear to remove the brass ring and the heating element.
- Reach into the vessel and remove the magnesium rod
- Get your replacement parts set up by screwing in the magnesium rod to the heating element. Be sure to use the small washer that comes with the rod.
- Make sure the rubber seal is placed on the heating element, and install it into the vessel.

Quick Tips

- Replace the brass ring, and try to place the bolts with the approximate spacing before trying to wiggle it on.
- Take turns tightening each bolt a little so they are all tightened the same
- Don't forget to jam the rubber washer into the holes with the temp sensors and thermometer
- Re-install everything else according to the photo you took first! It's a little tight but easily doable with small fingers! AND Patience!

