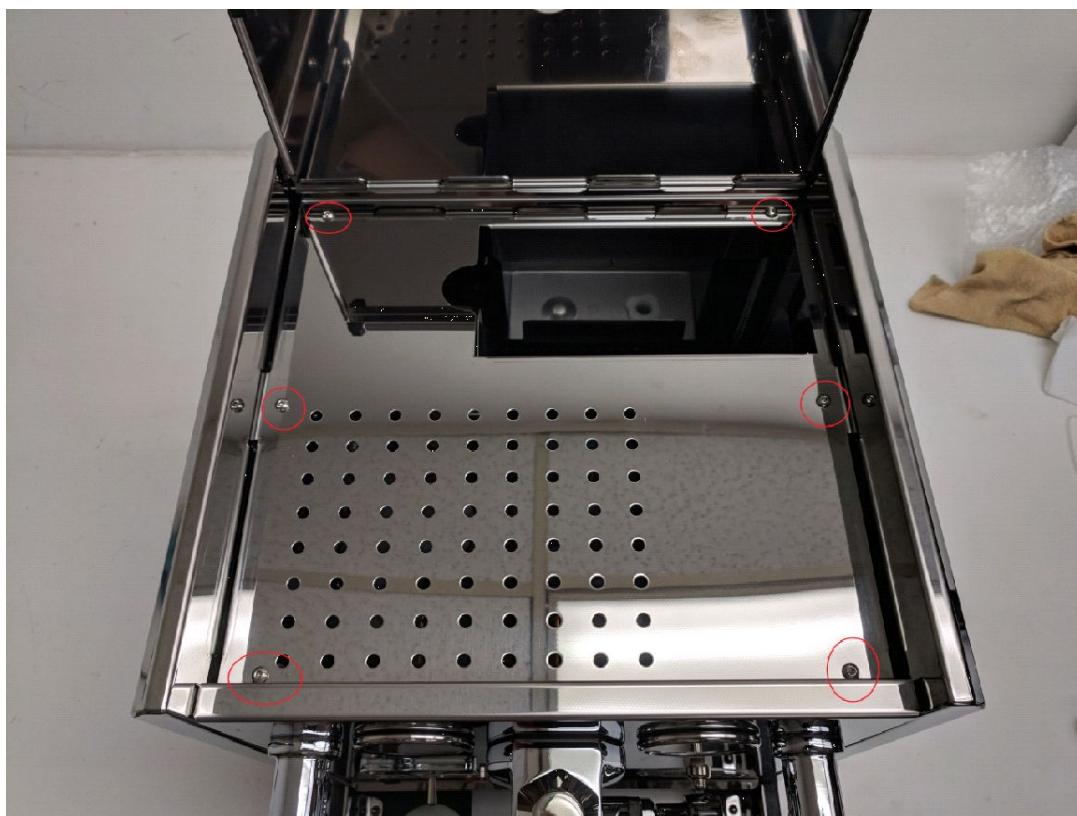


Synchronika Brew Boiler/Element Removal Walkthrough



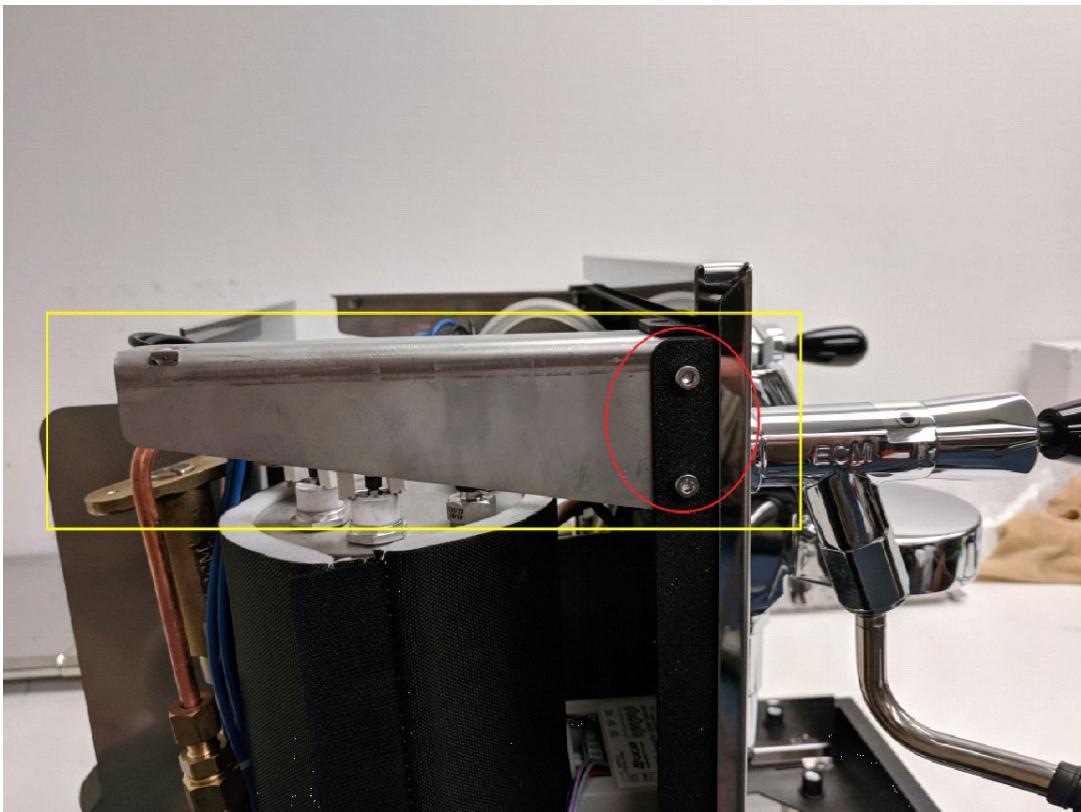
Tools Needed:

1. 21mm wrench
2. 17mm wrench
3. 13mm wrench
4. 2.5mm hex
5. 3mm hex

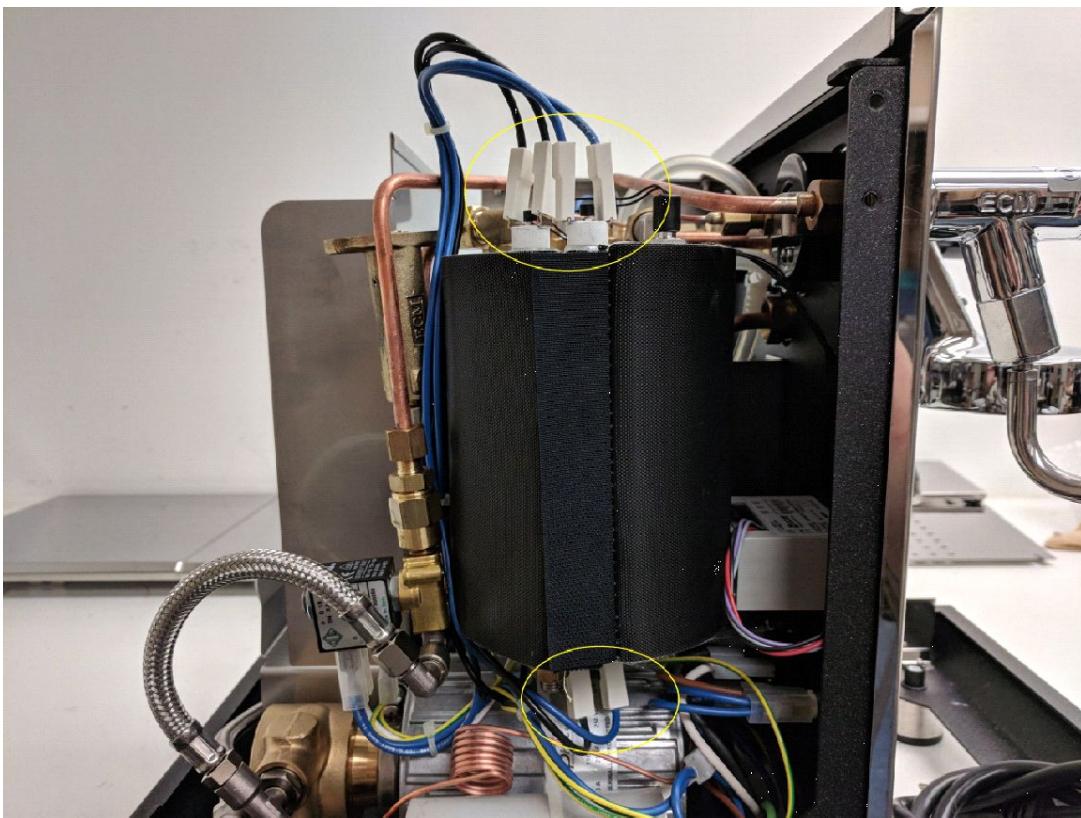


Start by using the 2.5mm hex driver to undo the six screws that hold the panels on the machine.

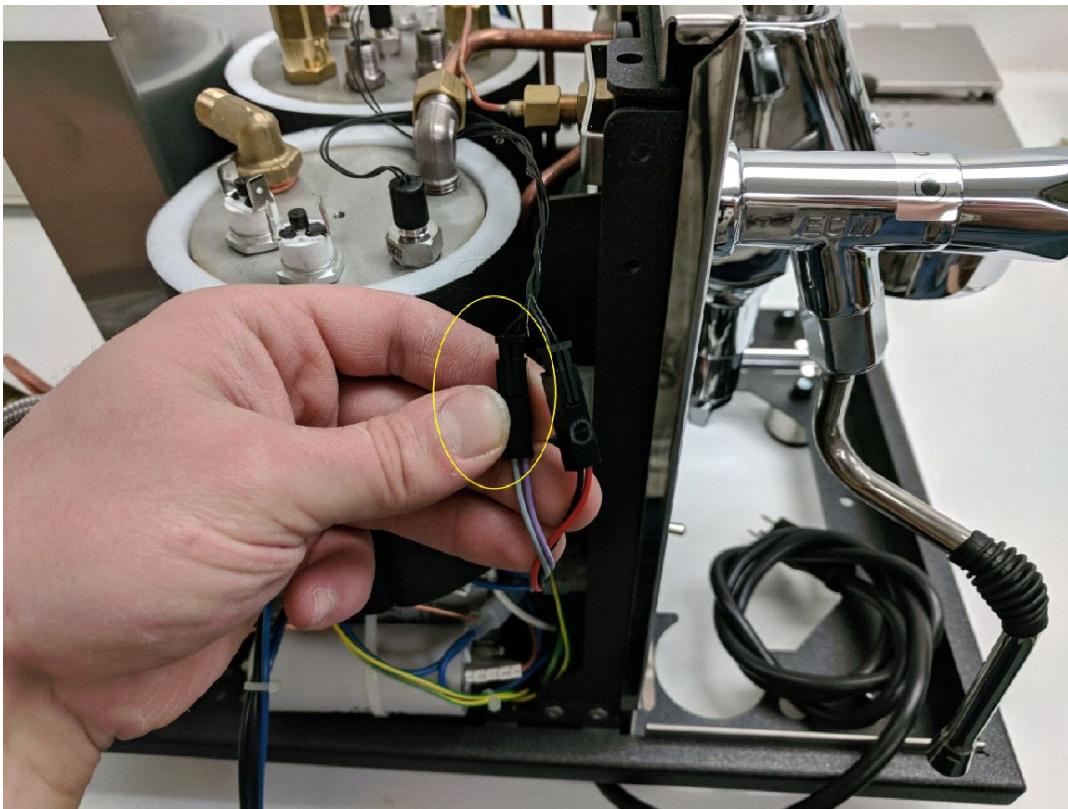
Remove the panels one at a time, and place them somewhere safe not stacked upon one another for they are very easy to scratch.



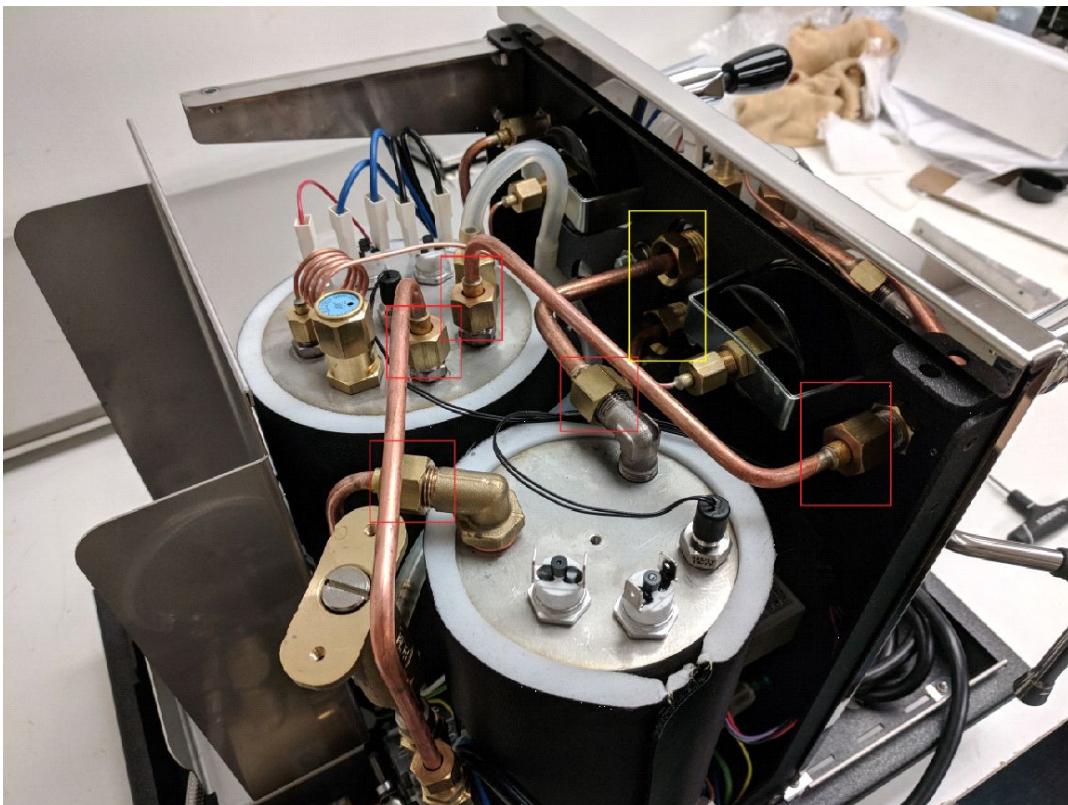
Use the 3 mm hex bit to remove the two hex bolts (circled in red) that hold the bracket for the panels (outlined in yellow box) in place. This will provide you with more room to work.



Each high limit stat on the top of the brew boiler has two wires connected to it, Remove all four wires from the high limit stats, as well as the two wires and one ground wire from the element down below (all outlined in yellow)



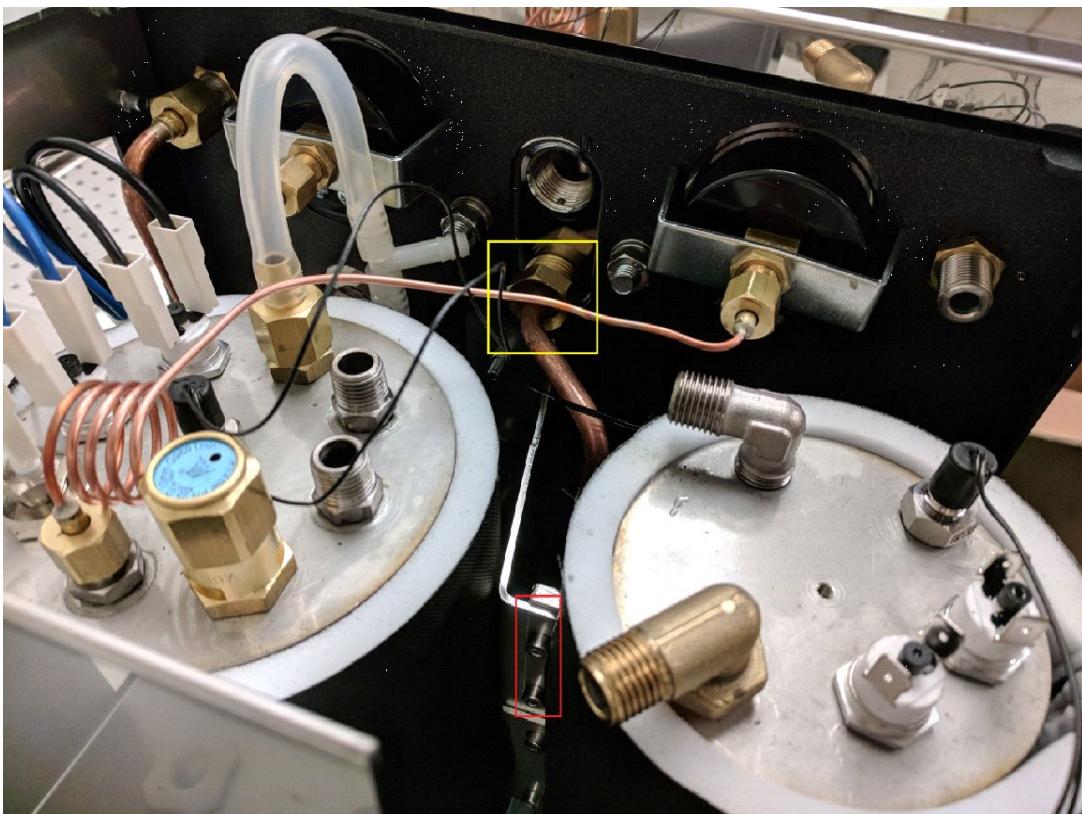
Disconnect the temperature probe for the coffee boiler from the PID. The probe of the brew boiler plugs into the connector with the gray and purple wires connected to it as you see circled in yellow.



Each fitting in the photo that is outlined by a red square is to be removed with a 17mm wrench. Ones that are outlined on both ends can be completely removed where as ones that are only outlined on one end can be moved aside once they are undone.

The Water pipes that insert into the back of the group head (outlined in yellow) need to be removed using a 21mm wrench.

****If any of the above fittings are too tight, lightly tap your palm against your wrench to loosen them.**

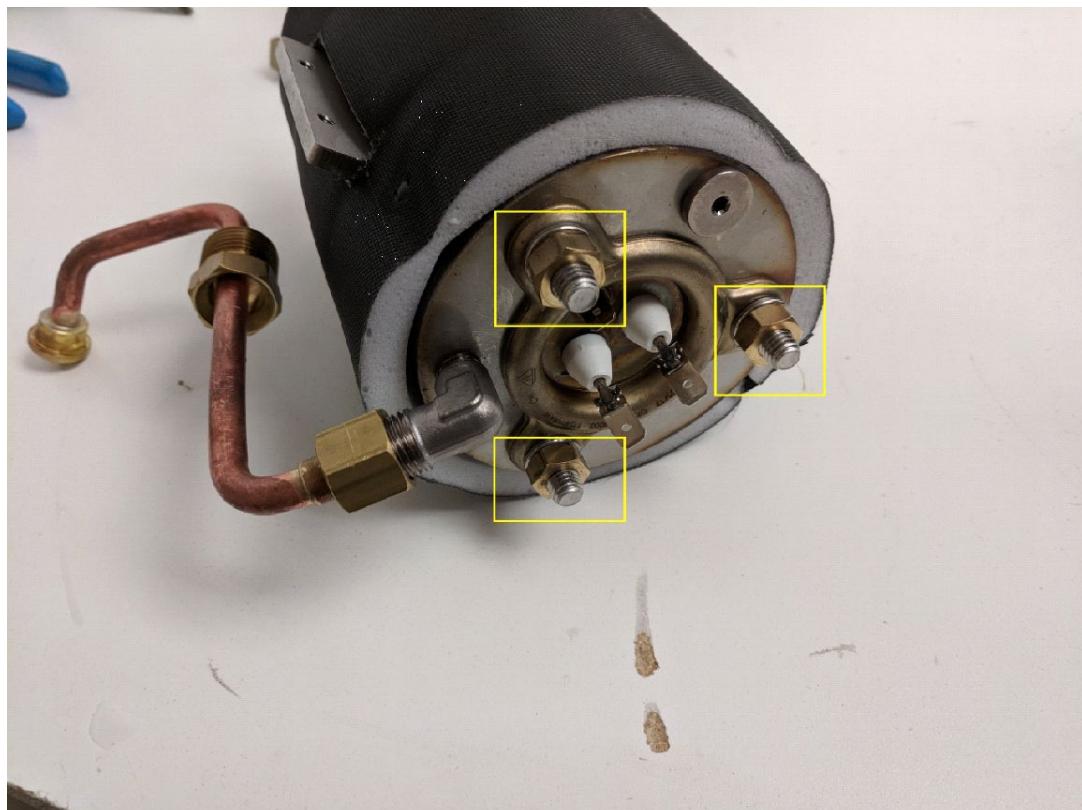


When the top water pipe is removed, use a 21 mm wrench to undo the lower hot water pipe (outlined in yellow)

Use a 3mm hex bit to remove the two 3mm hex bolts that hold the boiler in place (outlined in red).

Once you have removed the bolts, gently pull the boiler towards you to move it away from the bracket as you pull back on the boiler to free the hot water pipe from the group head and then the boiler will come out of the machine.

****Water will come out when you start to remove the boiler as it will be full of water. Once removed, tip the boiler upside down over a sink or bucket to drain the water out.**



Use a 13mm wrench to undo the 3 nuts that hold the element within the boiler.

****do not forget to make sure there is a gasket on the new element that is being replaced.**

Reverse these instructions for reinstallation of the brew boiler.