

Tech Document for UC BEST Update kit

Please call or text 206-661-3348 for any questions or concerns

This will take approximately 2 hours to complete.

Follow Depressurization guide for steam and coffee boilers, follow tech document, and power off machine before servicing

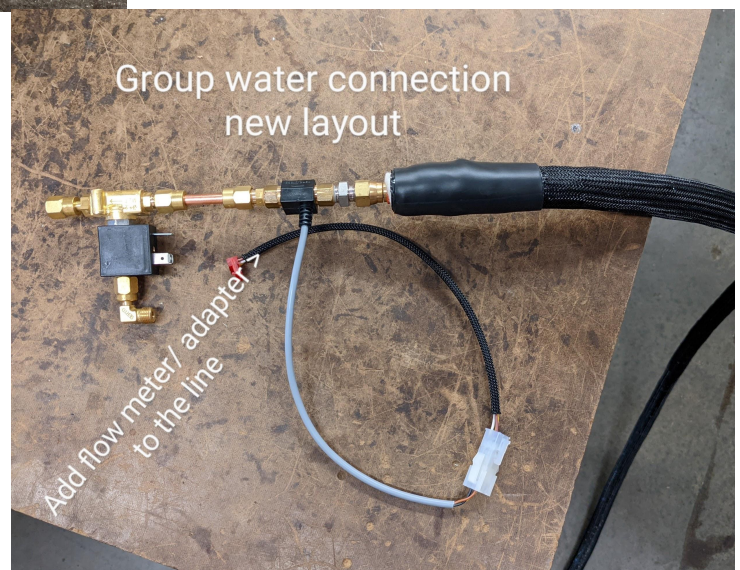
<https://www.mavamespresso.com/technical> Password: mavamtech
4010 Depressurizing Steam / Water Boilers on the UC and Mach 2



1. Board swap (Please follow the Board swap document) Flow meter port circled below for your reference.

2. Please remove all covers from the boiler unit and towers for each group.

3. Flow meter/adapter in group tower
- See photo for layout outside of the machine. Note*:Make sure to place a tool on the fittings attached to the flow meter when tightening both the hose and copper tube to it because it is delicate and can be damaged.
 - Once the water is off remove the valve and hose from the tower. (You will need to take out the preexisting JIC Stainless steel fitting that's attached to the hose. Also remove the jet/ flow restrictor for it to be moved to the new location in step 3 of the guide.)



- Place the flow meter in the same location in between the copper tube and heated hose line. There will be fittings pre attached to the flow meter, a stainless steel fitting for the hose connection like before and a brass fitting to connect the copper tube.
- Run the wire and attached adapter alongside the hose to then run to the board and be plugged into the Flow port on the new UI boards.
- Reattached the valve to the grouphead and make sure everything is secure and connected. (Leave covers off until complete to check for leaks after machine restart)

4. New brew boiler shut off fitting to hose connection and new jet placement.

-Disconnect the hose and take out the old Stainless Steel JIC in the shut off, **Note***: be sure to hold the shut off with a tool to not allow it to break at its connection point to the brew boiler - Replace it with the new brass fitting as seen in the photo to the right, use plumbers tape to seal. Also place your flow restrictor or jet facing down like in the photo to the right.

-Next place the new 45 degrees angled fitting on top and tighten down and have the fitting face back to the rear of the boiler box. **Note***: Be sure to not overtighten. Hold the angled stainless steel portion with a wrench while making your final tighten so it is lined up correctly. Reattach your heated hose.



Turn water back on and make sure your brew boiler shut offs on open and the entire line is connected. Check for leaks prior to turning on the machine. Turn the machine on once everything is sealed properly.

Check and make sure you have all the activation buttons connected correctly for each function: Steam, Hot water, Preinfusion, Brew etc. Adjust if needed for proper wired connection ports. Reference the board swap guide.

You will need to redo your automatic settings and now it is not time based but based on pulses. Volume.

Please reference the User Manual 4.53 this will explain the BEST Functions and how to set it properly.