

Adjusting OPV to get 9-9.5 BAR on Breville Barista Express

MAKE SURE MACHINE IS COOL AND HASN'T BEEN USED RECENTLY AS COMPONENTS WILL BE HOT.

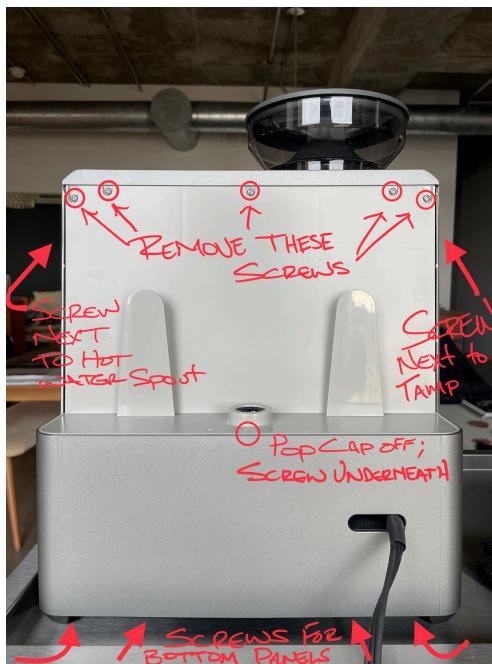
Items needed:

- Philips Screwdriver; Preferably a magnetic one. You don't have to have a magnetic one, but it will make it easier to remove the harder to get to screws.
- Small flathead screwdriver or something thin enough to remove cap underneath water tank as well as OPV clamp.
- Small zip ties; I used 4cm wide cable ties and these seemed to work great. Rated for 185 degrees. Not sure if that matters, but that's what I had in the toolbox.

Remove water tank to gain access to screws for back panel removal. Also remove grinder hopper. Might want to get a vacuum to clean out any beans left in there if you recently used the BBE grinder, to avoid small leftover pieces falling all over the place. Remove tamp from magnet. Removing the drip tray, as well, will help with access of front screws next to hot water spout and the other side, next to the tamp holder magnet.

Begin with unscrewing the two screws underneath the front (One on each side) next to the hot water spout and the other side, next to the tamp holder magnet.

Now begin unscrewing back panel screws. Along the top there is 5 screws that will need to be removed.

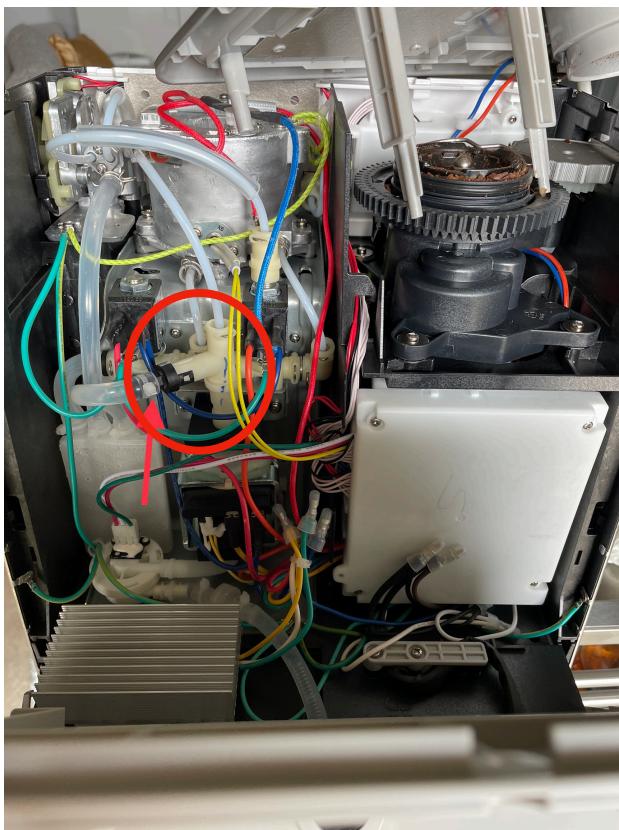


Next there is a small circular cap that can be pry'd off using eye-glasses screwdriver or something similar. Depending on which model you have, there is also an older BBE version that has 3 caps that will need to be removed as well. I have the version with only 1. Doesn't take much force to pry them up, so be careful. Once that is removed, there is a screw that will need to be loosened. You can remove, and set aside, as it will be easier to get back panel back on once completed.

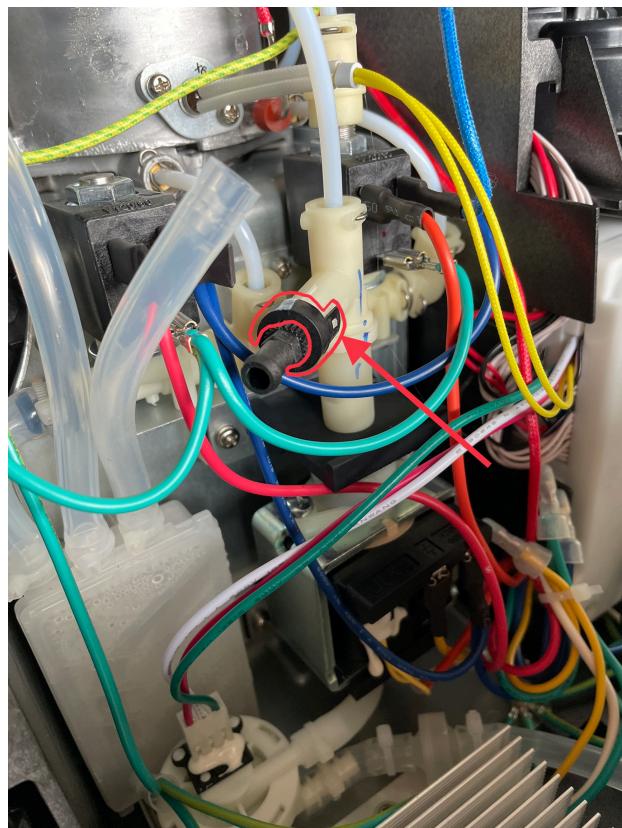
After those 8 screws are removed, set them aside, and begin removing the bottom screws that are holding the bottom panel in place. There are 2 visible screws and 2 hidden up next to the feet.

Once those are removed, you should be able to pop up the top portion of the BBE. Make sure you've removed the grinder hopper. Be careful when opening top as electrical wires are still connected to components inside. You will then have access to the back removal portion. It will be a little tough, so be extra careful here, because the clamps that are holding the back panel in place are plastic and can break. But they are somewhat strong, considering, so you will need to pull a little extra here. I pulled too a little hard and cracked a clamp on the bottom. Again, be careful and patient.

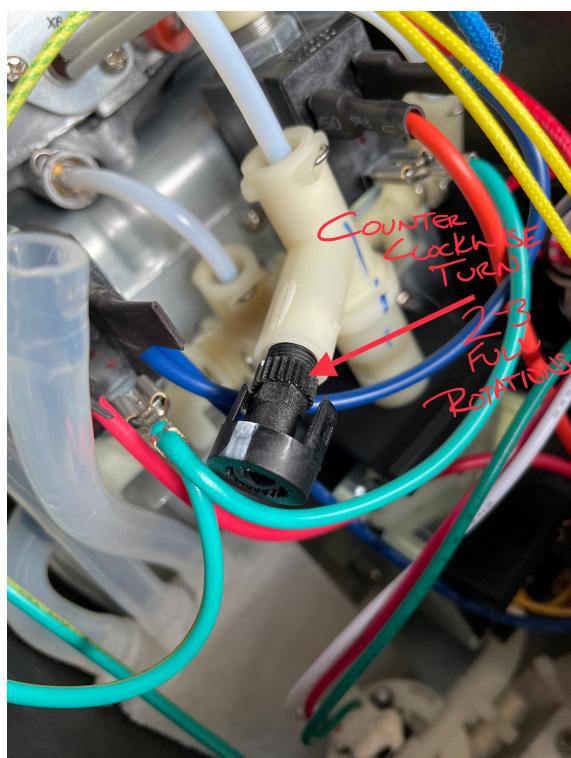
Once opened up there is a tones of wires and tubes but the main one you are looking for is the "T" looking one with the black clamp seen here:



The tube will need to be removed, so cable tie may need to be cut and replaced with a new one. Others said they were able to just stick something small enough to stretch the tie enough to pull tube off, but that will be up to you. I already had cable ties, so I just carefully cut the cable tie off. Be careful to not cut the tube. Once cable tie is removed, you can now remove tubing from valve and separate the clamp. Shown here:



Once clamp is separated, you will now have access to the valve screw:



I suggest before turning counter clockwise, make a small marking on teeth to help you visually see how many full turns you complete. For me it was about 3 full turns. I've read others have had luck with about 2 to 2.5 full turns. Be aware though, if you continue to turn your valve screw will come out, just fyi. This is why it's important to note how many full turns you do, just in case. If this happens, just screw it back in.

Once completed, attach tubing back to valve and cable tie back on. Attach all components back on including back panel, top panel, water tank, and drip tray. But don't screw anything in just yet. You can run a blind disc test to see where you're at but be sure to replace drip tray. If pressure gauge looks good, then you are good to go. You'll want to aim for the area where the "red arrow" is pointing down below for 9 BAR:



Proceed to replace all the screws that were removed, as well as hopper.

Now go pull some shots and good luck! ha