

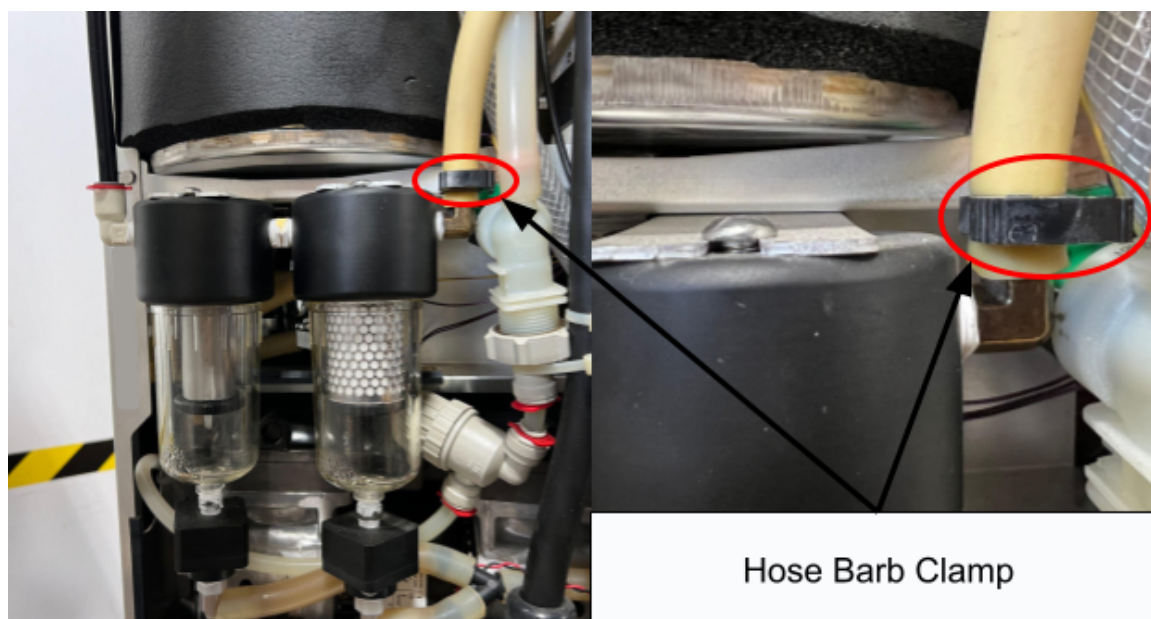
Dual Body Vacuum Filter to Single Filter Conversion

What is needed for the repair: Gloves, #2 Phillips screwdriver, 1/8" Allen bit, channel locks, and a crescent wrench.

1. Remove large left side panel [Video Link - How to Remove Panels](#)
2. Locate the vacuum filter and take a photo. You will need this for later.

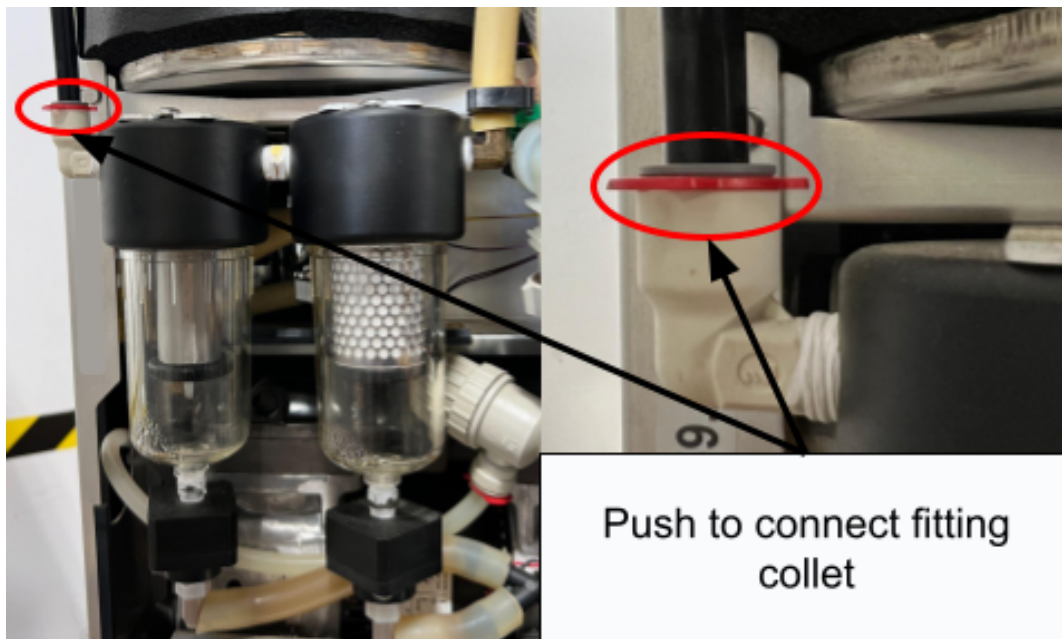


3. Using a pair of channel locks remove the clamp on the hose barb

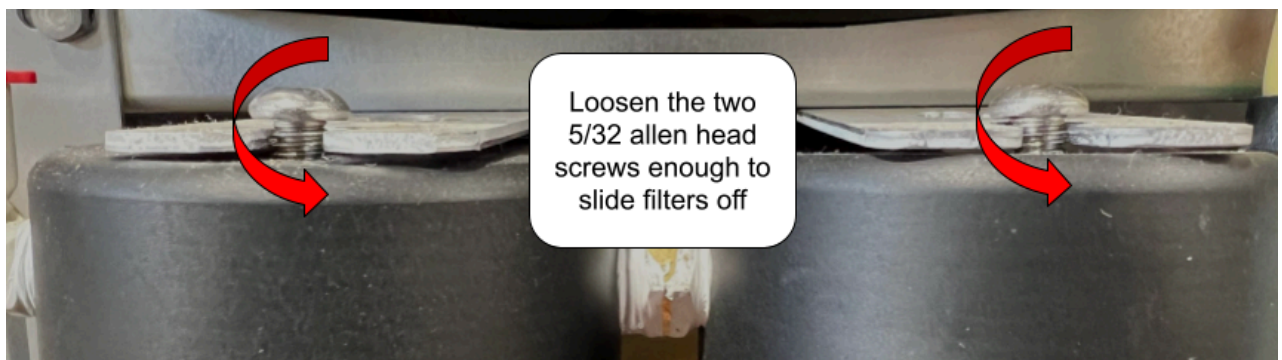


4. Remove hose from hose barb

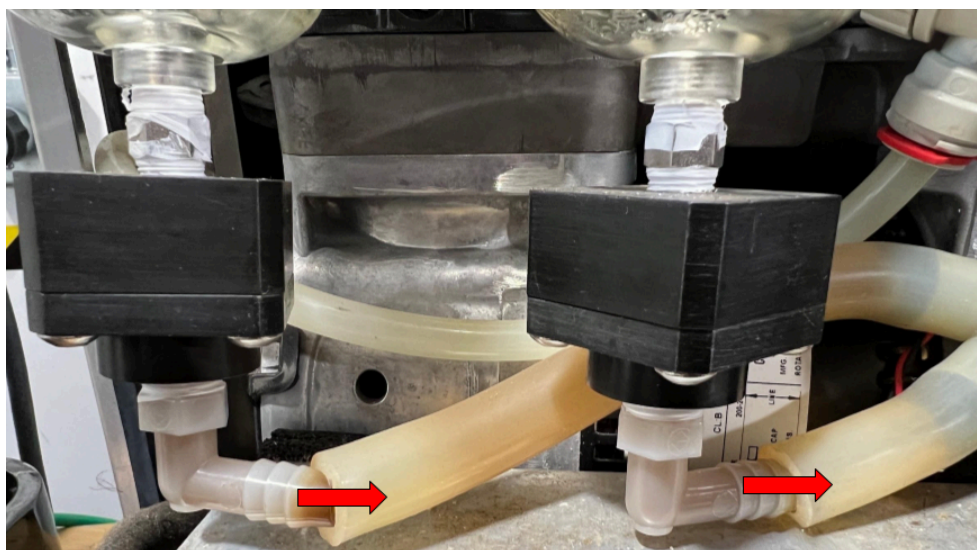
5. Pull off the red collet lock on the plastic push-to-connect (PTC) fitting



6. Remove plastic 3.8" tube from the PTC fitting
7. Loosen 2 5/32" Allen head screws on top of the dual black filter bodies

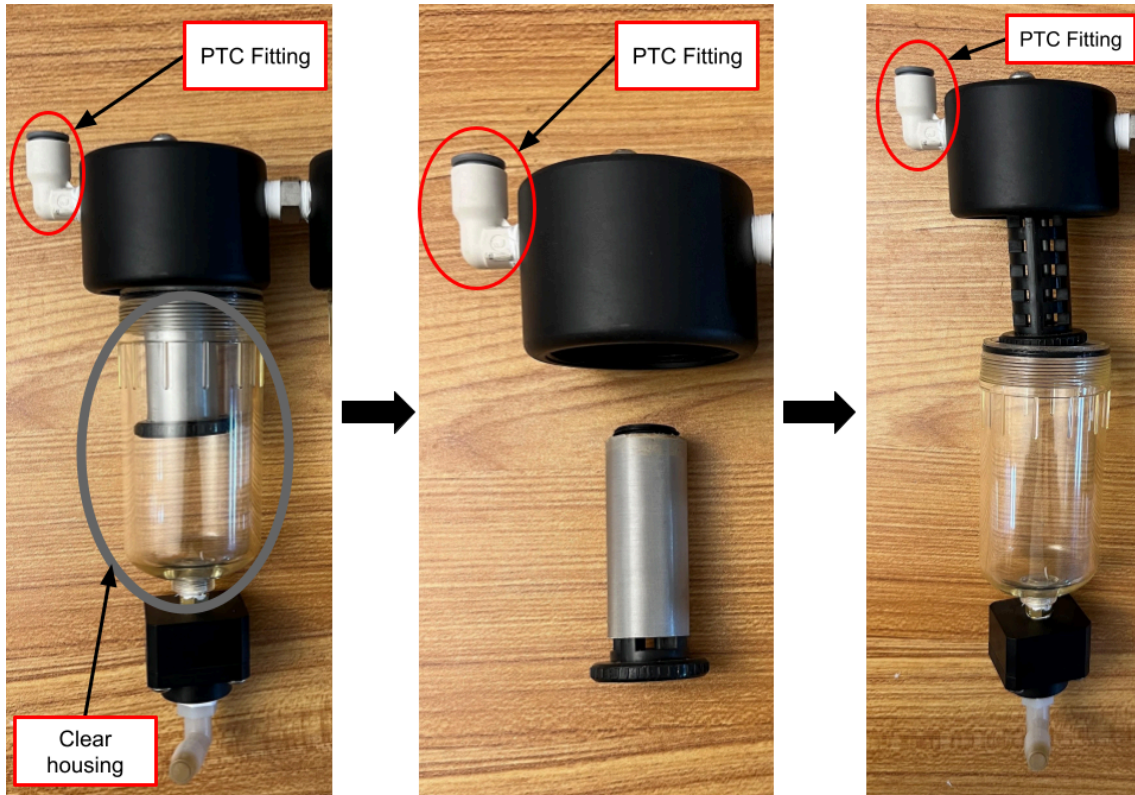


8. Pull off drain tubing from the bottom hose barbs.



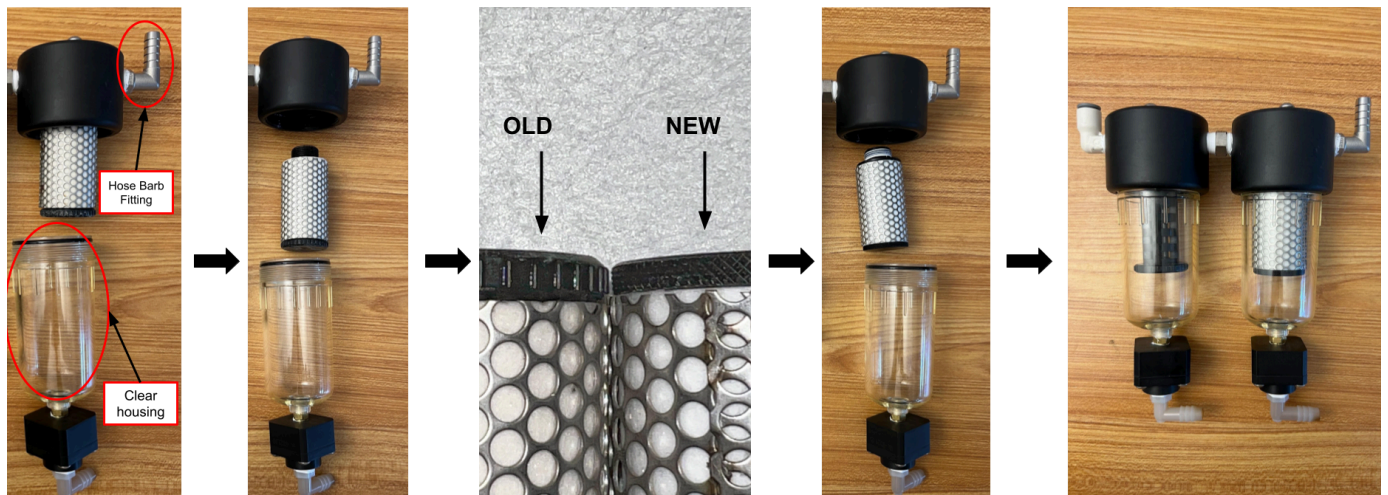
9. Pull the filter assembly out of the machine

Use the diagram below to remove the mesh filter



10. Remove the clear housing from the black filter body with the 90° PTC fitting.
11. Unscrew the mesh filter assembly from the black filter body
12. Remove the mesh filter from the tie rod/filter holder by sliding it towards the threads on the tie rod/filter holder
13. Thread the empty tie rod/filter holder back into the black filter body.
14. Thread the clear filter housing back onto the black filter body. Make sure it is snug when tightening. ***TIP*** apply a small amount of Molykote to the black o-ring for better sealing

Use the diagram below to replace the coalescing filter with the new one-piece filter

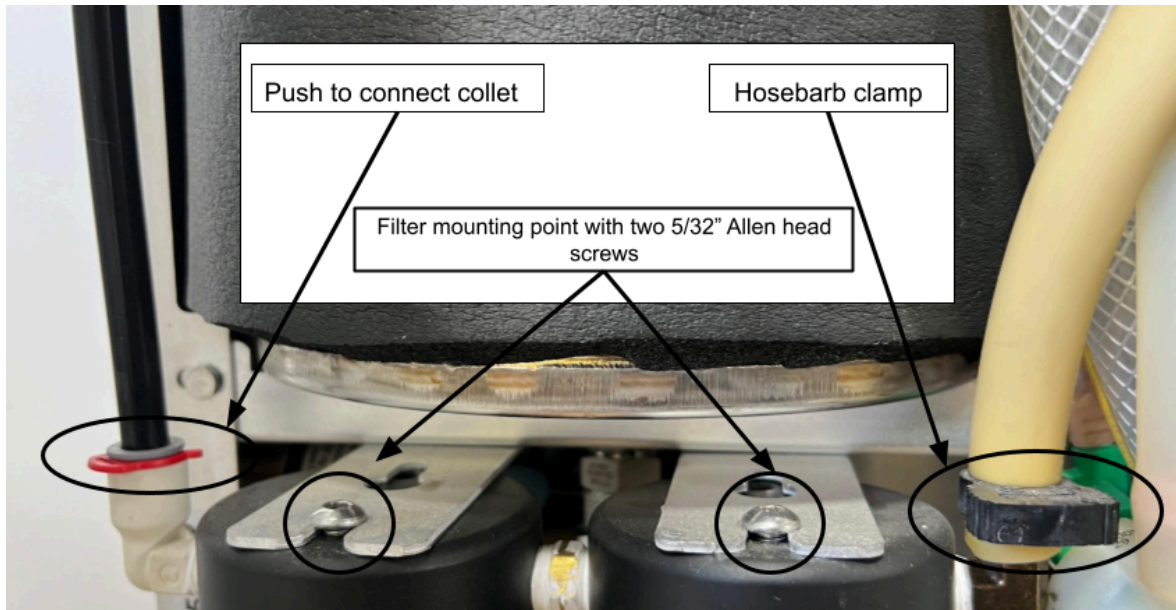


15. Remove the clear housing from the black filter body with the metal 90° hose barb fitting

16. Unscrew the clear housing from the black filter body
17. Unscrew the white coalescing filter from the black filter body
18. Thread on the new one-piece filter (This replaces the mesh filter and the coalescing filter) into the black filter body
19. Thread the clear filter housing back onto the black filter body filter head. Make sure it is snug when tightening. *TIP* apply a small amount of Molykote to the black o-ring for better sealing
20. When finished your filter should look like the image below.



21. Connect the plastic $\frac{3}{8}$ " tube to the plastic PTC fitting
22. Connect the hose to the hose barb and attach the clamp.
23. Slide the filter body back on brackets. See diagram for reference.



24. With the filter mounted we can attach the drain tubing.



25. Using the diagram above attach drain tubing to the plastic hose barsbs on the bottom of the filter.

26. Turn the machine on and run a quick rinse. If there is a significant amount of water leftover in the basket please reach out to our support team for further assistance at support@groundcontrol.coffee. If not proceed with putting the panels and quartz back on the machine.

27. Thread the two back thumb screws into place and grab the side panel

28. Carefully place the panel back on. Start by sliding the front of the panel into the notch near the brew area. Once set into the notch make sure the panel is level. Push the back of the panel onto the machine making sure it slides into position with screws at the top and bottom of the machine.

29. Applying pressure on the back tighten thumb screws until they are snug.
30. Thread the three Phillips screws into the front of the panel and make it snug.
31. Grab the long slab of quartz and slide into either side of the machine.
32. Set the brew deck quartz into place. (first slide into the machine with the back pem facing the first piece of quartz and set into mounting holes.)
33. If you are having trouble setting quartz into place grab one of the front legs while applying pushing forward and down.
34. Grab the two nuts for the brew deck and thread them into place.
35. Put the brew box front and basket into place and brew!