



# Brewgroup Disassembly

Warning only attempt this as a last resort if...

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# INTRODUCTION

Warning only attempt this as a last resort if you need to.

Thank you to all those that commented / contributed to this and the other Jura guides

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## TOOLS:

Large Needle Nose Pliers (1)

T15 Torx Screwdriver (1)

Flathead 3/32" or 2.5 mm Screwdriver (1)

Head Magnifier (1)

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## Step 1 — Jura Capresso IMPRESSA J5 Teardown



- **FRONT**
- I thought I would start with lots of photos so you can see if you, in fact, have the same model, the J5, or, if you are trying to repair a similar one, what the differences are.
- As I said in the introduction, I have divided the device into the following six sections: Top, Bottom, Front, Back, Left and Right.



## Step 2



- **TOP**
- From above, front: side and rear flaps closed.
- Rear cover raised.
- All covers raised.

## Step 3



- **BOTTOM**
- Showing the underside and manufacturer's labels.

## Step 4



- **LEFT**
- Showing the water tank side. While my machine is black coloured with silver trim, there is another model that is white with silver.
- The second image shows the left-side cover raised and the water tank (right) removed: inside it you can see a water filter (vertical, white).

## Step 5



- **RIGHT**
- Right side, front to the left, and power cable.

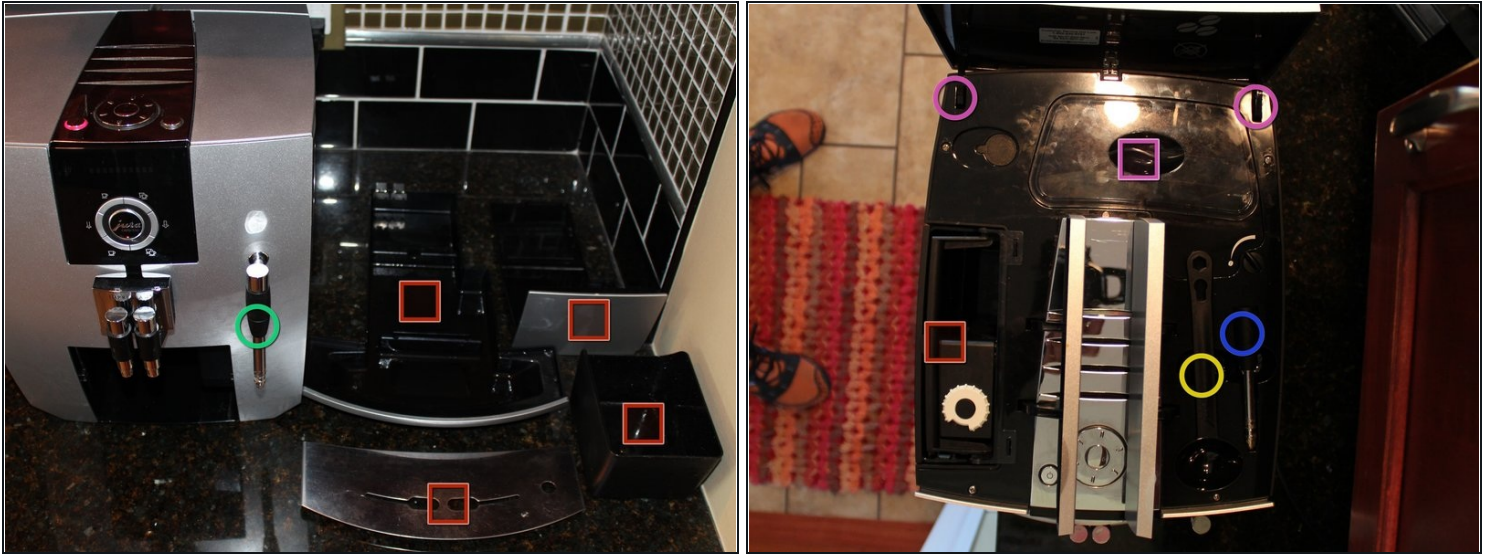


## Step 6



- **BACK**

## Step 7

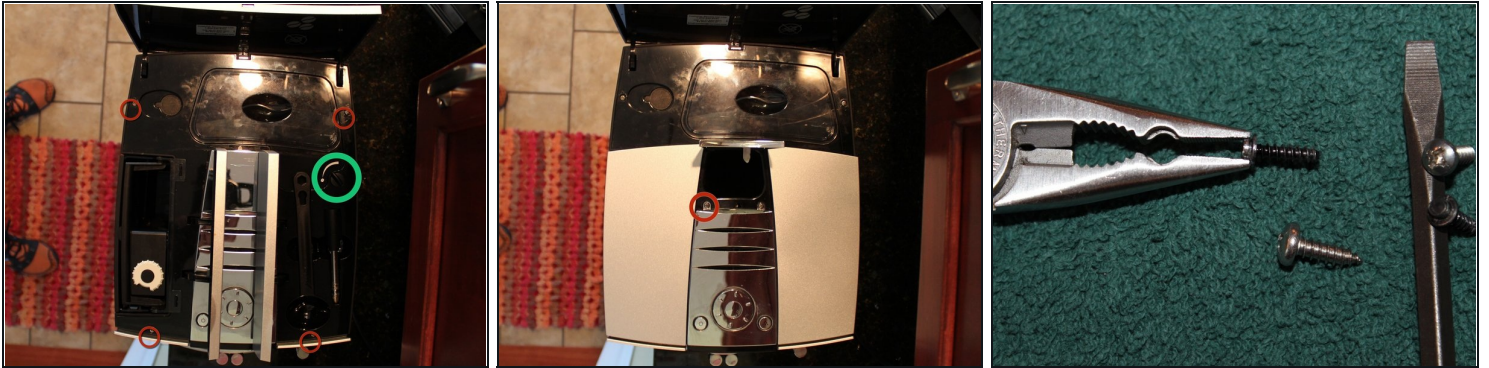


- ***Beginning the Disassembly***

- I recommend performing this on top of an old towel, or something similar, to protect the coffee maker as well as the work surface and because some ground coffee tends to fall out of various crevices in the machine.
- ***Remove:*** all four tray pieces (marked with red squares in the first photo), and the frothing attachment(s) (marked with a green circle in the first photo; you may have a second frothing attachment in the top storage area (blue circle, photo 2)).
- ***Remove:*** the water container (marked with a red square), the coffee scoop (yellow circle), and the coffee bean aroma preservation cover (pink square), all the unground beans from the hopper (you can gently dump them out after you have removed everything else by turning the machine over).
- You can (optionally) remove the top back cover by gently wiggling each of the hinge points (marked with pink circles) up while it is open. Gentle pressure from side to side may release the hinges. Also loosen the captive screw on the bean area and then you can remove that grate by gently squeezing together the two hinge points.
- [You can click on the photos to see them enlarged. Alternatively, 1. choose the orange cog wheel in the photo and choose 'Full Screen', or, 2. use Ctrl and + (incl =) in your browser to enlarge the whole page. Use Ctrl - to shrink.]

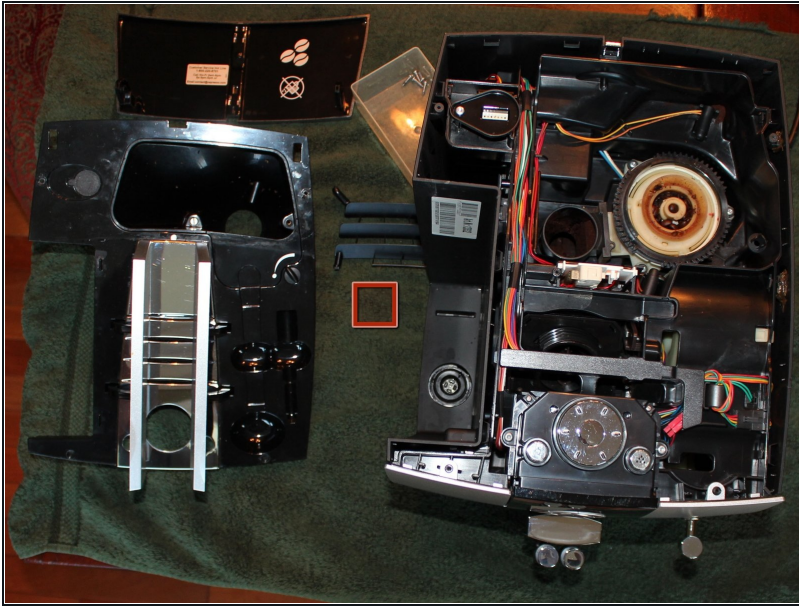


## Step 8



- Five screws labeled with the red circles need to be removed before the top can be taken off. One under each of the left and right top hinged covers, two under the top back cover and of the two under the ground coffee top door, the one nearest the water tank (the other one holds the chrome plastic to the top).
- The original black screws were very hard to get out but I had luck with the needle nose pliers in my trusty Leatherman Charge model multi-tool. I tried with several alternative needle nose pliers.
- There are specific Jura tools available from internet auction sites, tools that accept the slightly oval shaped heads of the recessed 'blind' screws.
- I threw those screws away and replaced them with simple Phillips-head ones - that is why they appear silver in the photo while yours are probably black. I am pretty sure the manufacture does not want us to peek inside :o)
- **Note:** when putting the top back on you need to align the position of the bean grinder adjustment knob with the linkage below. It should line up easily unless you accidentally moved it (marked with a green circle).
- Taking a close-up photo of the mechanism, in 'macro' mode, is recommended. If you find the photo is too dark, set the flash to 'On', and place a finger over 3/4 of the flash light when you take the photo - since full flash would be far too intense for a close shot.

## Step 9



- Here we are looking down on the top of the machine, the top shell (left) having been lifted straight up and the top back hinged cover having been removed along with the bean grate.
- I have put a red square below the bean grate to point it out.



## Step 10



- You can do this step before or after you remove the top.
- Careful, it is easily broken! (I re-attached mine tastefully with tape, having broken the attachment points. ;o) )
- Take a piece of tape, preferably painters tape, and make a small tape T-handle on the rear Jura badge. A small piece of rubber might work or you might be able to get it off with just clean fingers and skin friction.
- Carefully push in and twist it to the left  $\sim 1/10$  of a turn. Then, when you feel that it has come loose, pull it gently out to remove it. It is held in place by little lugs and pressure tangs.
- After the rear Jura badge has been removed, behind it you will find two T15 Torx screws marked with red circles in the second picture. They must be removed.
- You can then gently wiggle free the vertical plastic chrome piece that is on the rear - pull out and set that aside.

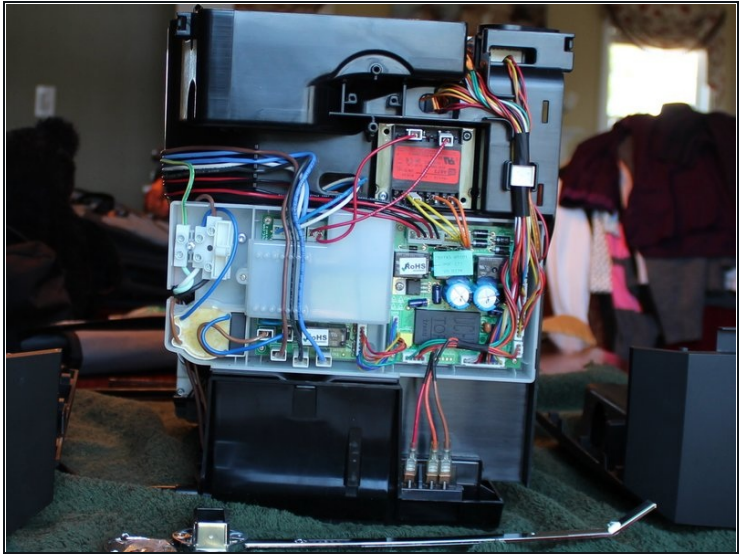
## Step 11



- The T15 screw marked in red is the last screw you need to remove before the left and right side covers can be removed
- Slide the right black (or white) side piece ~5 mm towards the back to remove it. (The right side needs to be removed before the left; you will see an overlap of the sides at the rear centre.)
- Then slide the left side back to remove it. The left side is slightly trickier to get on and off as you have to work around the water container inlet.
- In the second picture I marked with red circles two of the many tabs that hold the sides in place. I broke and reattached a few of mine. I had no guide and I really wanted it apart so basically I got it apart the wrong way and then figured out the right way :o)

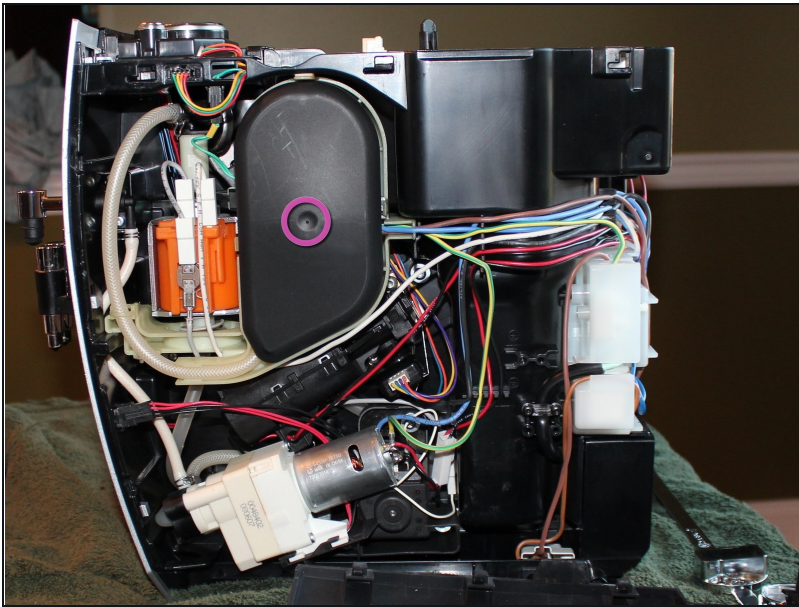


## Step 12



- *Back internals*

## Step 13



- *Right side internals*
- The pink circle marks the EM shield for the [flux capacitor](#), which is behind that plastic black piece.
- ;o)

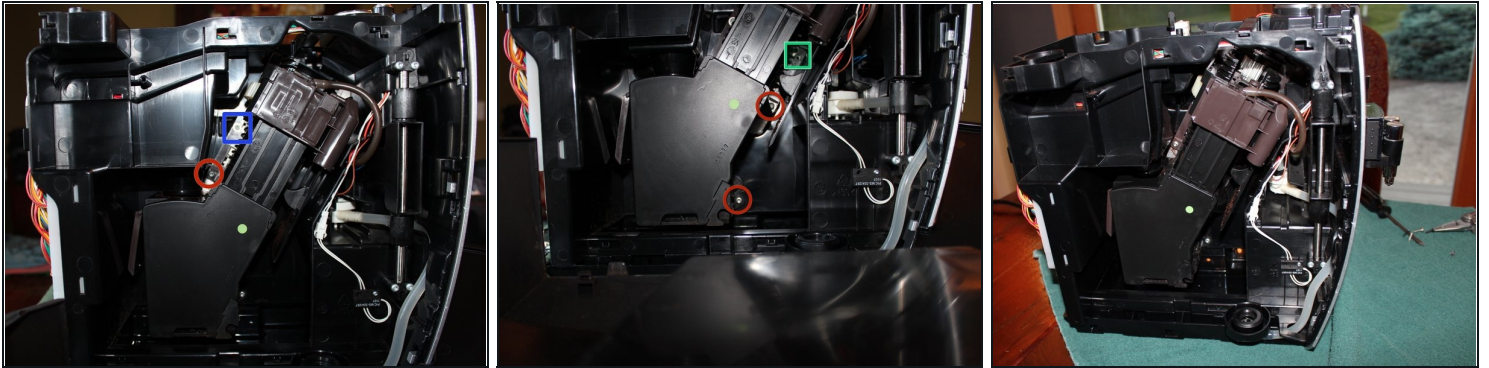
## Step 14



- ***Left Side Internals***
- The second photo has the black plastic divider plate removed. It just snaps out of and in to little guide tabs.



## Step 15



- **"Tamping Assembly"**
- I call the black plastic diagonal assembly with the brown top the "tamping assembly". It receives the ground coffee, forms the puck, holds the puck while the water/steam goes through it, and then drops it in the waste tray (I presume).
- **Note** If you choose to remove the tamping assembly you should carefully note where the brown portion is on the larger centre plastic screw. Maybe take a picture, or count exactly how many threads are above the brown portion.
- When you reassemble, this it needs to be in the exact orientation it was in when you took it apart or it might break the machine. I realised it was a timing mechanism after having taken it apart and misaligned it. Luckily I had pictures to help get it back to the starting position.
- Remove the three T15 screws marked with the red circles. Top two are fine thread and bottom coarse thread. Note the screw marked with a blue square does not need to be removed to remove the tamping assembly.
- Also note the unused screw hole marked with a green square. You might need a long handled screw driver or an extension bit.

## Step 16



- ***Tamping Assembly Removed - 1***
- The reason for such a large quantity of grounds around the inside of my machine is that I accidentally put too much ground coffee into the ground coffee port. So I took the machine apart to clean those out, and because it was displaying an error during the cleaning cycle.
- The error was caused by the excess grounds and cleaning it solved the problem.

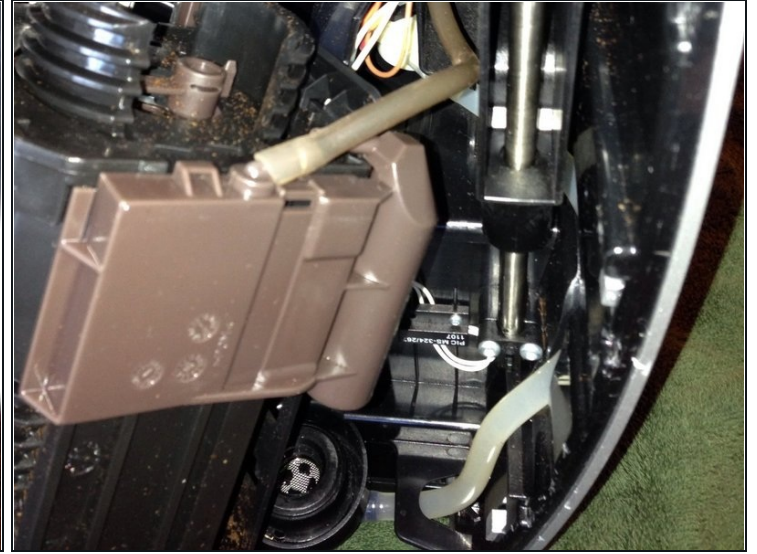
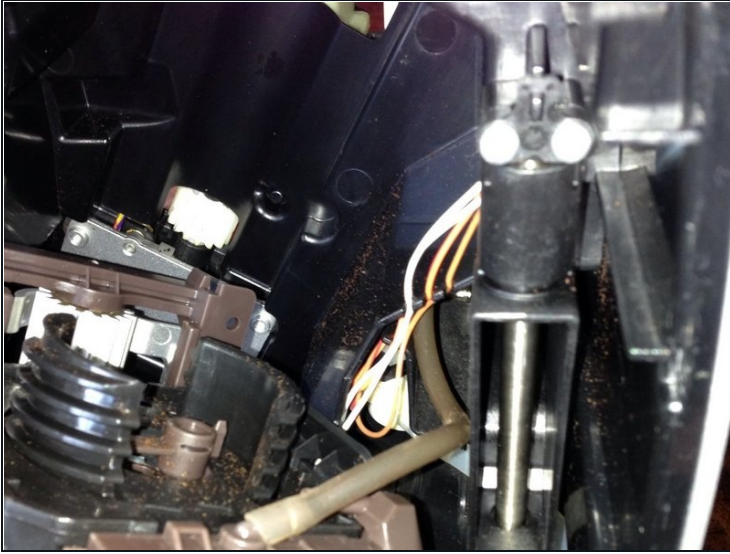
## Step 17



- ***Tamping Assembly Removed - 2***



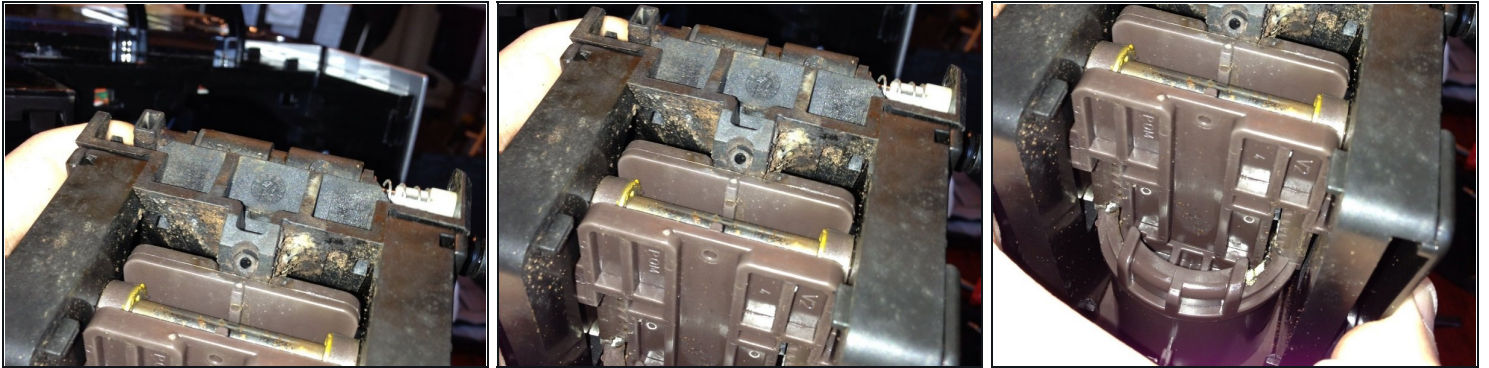
## Step 18



- ***Tamper Assembly Removed - Top***



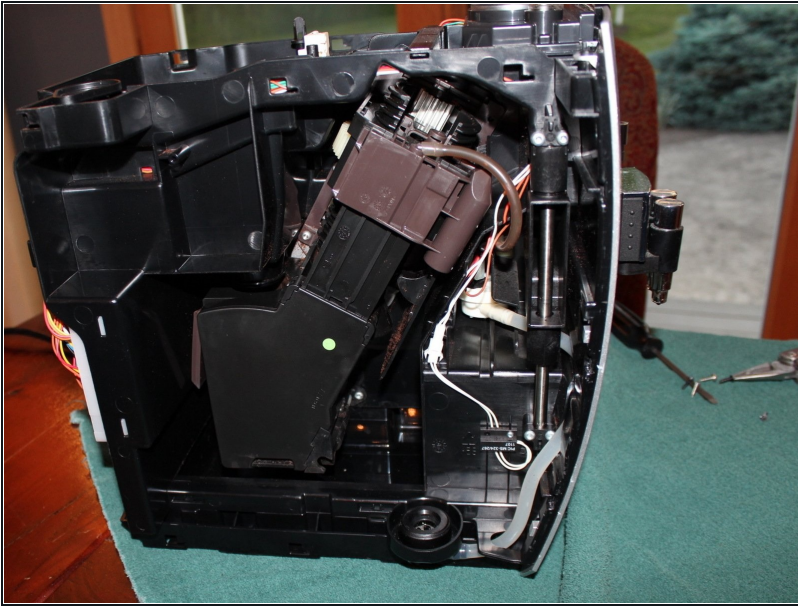
## Step 19



- ***Tamper Assembly Removed - Bottom***

- You can see some growth (mold?!) on the bottom of the tamper in these photo and a little elsewhere.
- I think this is because if I don't empty out the grounds often enough and have a little mold growth there.
- I would love to solve this mold growth problem but can't think of an easy solution? (UV light?,) I tried leaving a small amount of a dilute bleach solution in the ground collector but that stank and did not work. White vinegar, perhaps..? So now I just try to empty the grounds and rinse at least once a day.
- ***So that is it...!?*** This is as far as I have disassembled, fixed and cleaned this beloved family member. I will try to read comments and improve it and add to it if I do more. Hopefully you found this useful - thanks for reading it!
- If you want to disassemble more follow [this guide](#).

## Step 20 — Removing the Brewgroup



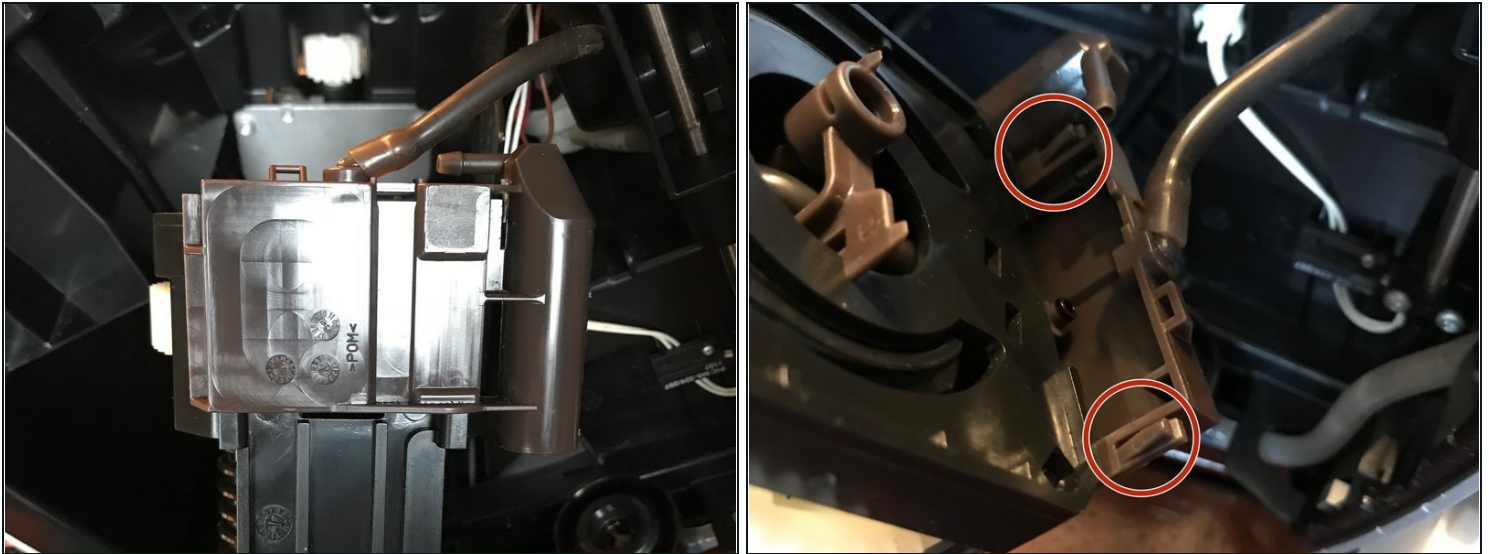
- To remove everything prior to the Brewgroup follow [this tear down](#).
- This guide begins after tear down step 15
- CAREFUL as you remove the brewgroup as it is still connected via the hose till you do step 3.
- In the tear down I referred to this as the tamper assembly but another great contributor wrote a guide on this specifically and referred to it as "Brewgroup" so...
- My J5 is different enough from the one in the other brewgroup guide so I made this guide.

## Step 21 — Aligning Brewgroup into the machine



- CAREFUL as you remove the brewgroup as it is still connected via the hose till you do step 3.
- this step is mostly for reassembly. You need to align the brewgroup so that the knob circled in BLUE slips into the RED circle before you put the screws in.

## Step 22 — External Upper Left



- 2 clips near the top shown in second photo, circled in RED
- CAREFUL as you remove the brewgroup as it is still connected via the hose till you do the this step.
- The brewgroup is removed from the left of the machine as you face the front, hence the steps labeled left, Front and right.

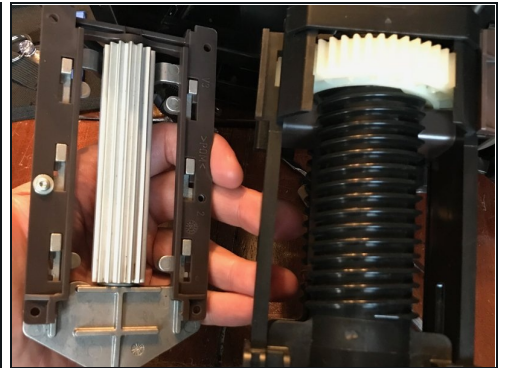
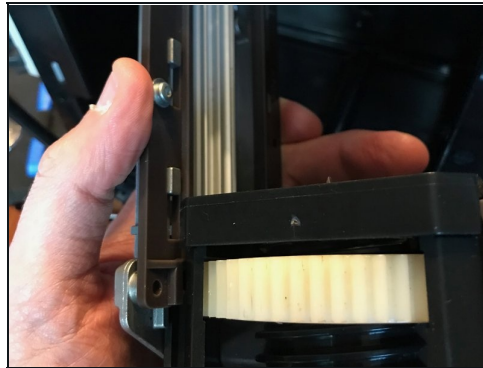
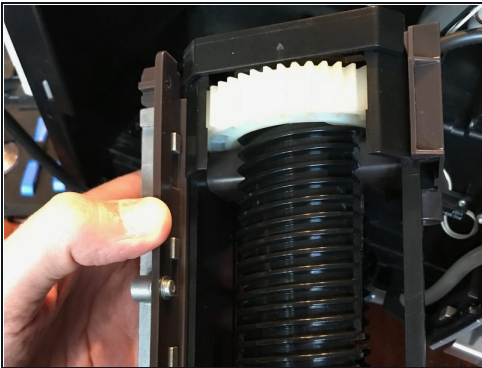


## Step 23 — External Upper Front



- you might notice in some of the photos the first time I put it back together I forgot this piece luckily I remembered after I had the brew group back in:)
- 3 upper clips snap onto piece above the large white horizontal gear and two clips below as well.

## Step 24 — External Upper Right



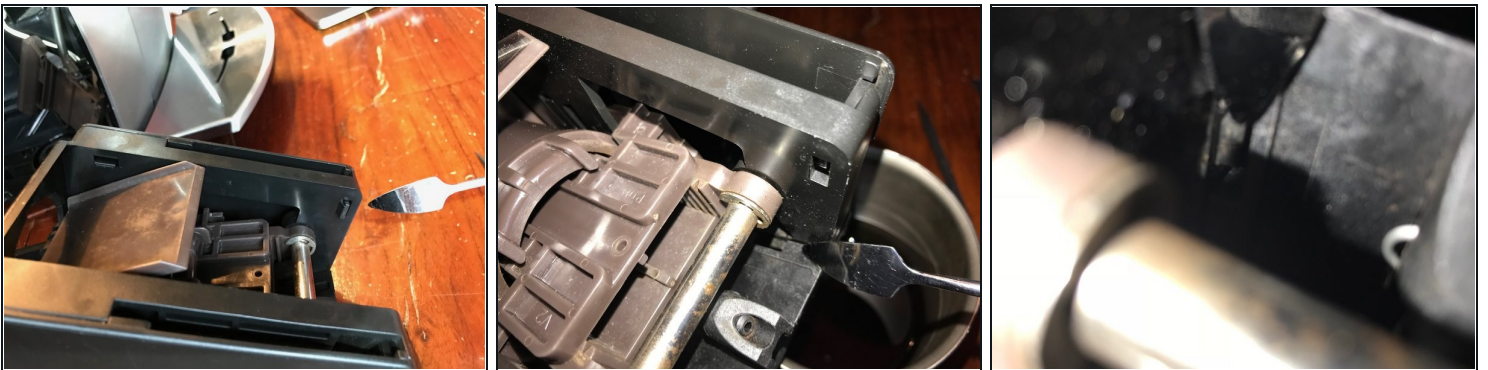
- Just slides off

## Step 25 — External Lower Left and Right Plates 1 of 3



- removing the plate shown behind the metal poker
- there are four tabs circled in RED on the already removed plates
- Next step shows where to release them

## Step 26 — External Lower Left and Right Plates 2 of 3



- Two are easy to see and get to with your finger
- the other two a little more hidden but not too bad
- Refer to the previous step showing the plate already removed to get an idea of where they are too.
- I try to point to them in the pictures with the metal poker.



## Step 27 — External Lower Left and Right Plates 3 of 3



- Yep

## Step 28 — Top removal



- Just lifts off, if memory serves me?
- the part shown under the green rectangle



## Step 29 — L Bearing guides left and right



- Bearing makes an L shaped path on these left and right plates
- lift the hose out of the way before you remove the plate
- they just come off no clips
- CAREFUL there are four small metal bearing parts that can just fall off
- I clarify where they go in the next step

## Step 30 — Metal bearing location pictures



- These can fall out at any point during assembly / disassembly, so good luck.

### Step 31 — Upper Horizontal Gear and Tamper



- The 3rd photo shows the orientation of the upper hose in relation to the lower alignment knob mentioned in step 2

### Step 32 — Inside view with Tamper removed



- shows orientation of the lower tamper

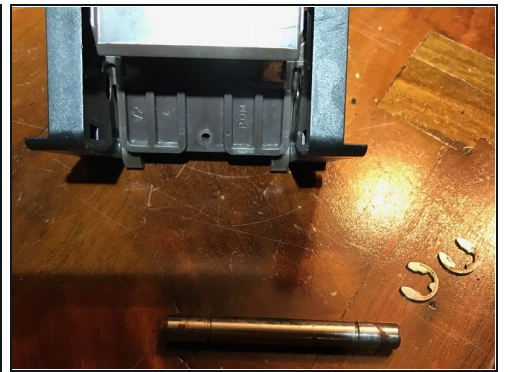
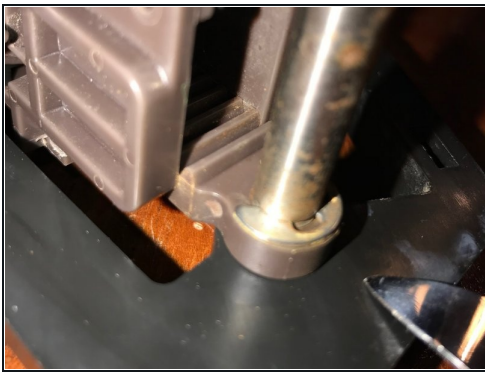


### Step 33 — Front Lower assembly



- Just slides off
- I think this is similar to the Drainage valve referred to in [this other guide](#)
- except that this appears to be a different model?

### Step 34 — Lower Shaft and snap rings



- remove with a small flat screw driver reattach with needle nose pliers



### Step 35 — Lower shaft clean up



- scrubbed clean with a little soap and water

### Step 36 — Lower Inner 1 of 2



- Just gently wiggle and twist it apart

### Step 37 — Lower Inner 2 of 2



- CRUCIAL STEP: I messed this up the first time I reassembled this nearly broke the gearing and generated an error 8
- Error 8: I think is failure of the brewgroup to home.
- Place lower portion with the white gears at the top of motion inside the cylinder
- then slide in upper portion with the red o-ring then slide both together to the bottom
- I put a little vegetable oil with my finger on the inner cylinder wall other wise it was super dry and hard to move.

### Step 38 — Lower Inner Disassembled 1 of 2



- Reference pictures



### Step 39 — Lower Inner Disassembled 2 of 2



- Reference pictures

### Step 40 — Testing prior to full reassembly



- So you can test it is working before putting it all back together
- As shown in the photo just lay the top back in place
- Water container partially full and in place
- CAREFUL keep anything away from bean grinder!! Block coffee bean full sensor with something.

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To reassemble your device, follow these instructions in reverse order.