



JURA Brewgroup Disassembly

The Jura brew group is in many Coffee Makers....

Written By: Schwarzstein



INTRODUCTION

The Jura brew group is in many Coffee Makers. When it moves slowly, it should be cleaned. Also when a seal is broken (when water leaks out) you have to open it.

TOOLS:

Large Needle Nose Pliers (1)

T15 Torx Screwdriver (1)

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

Head Magnifier (1)

Phillips #2 Screwdriver (1)

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



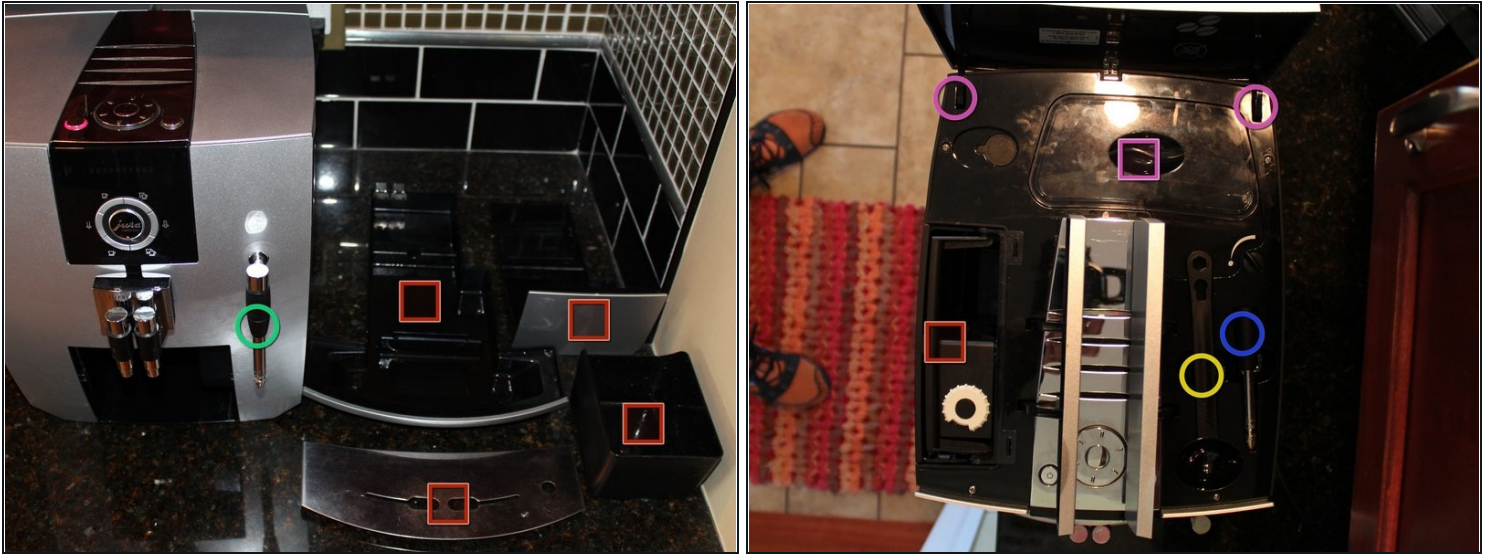
- **RIGHT**
- Right side, front to the left, and power cable.

Step 6



- **BACK**

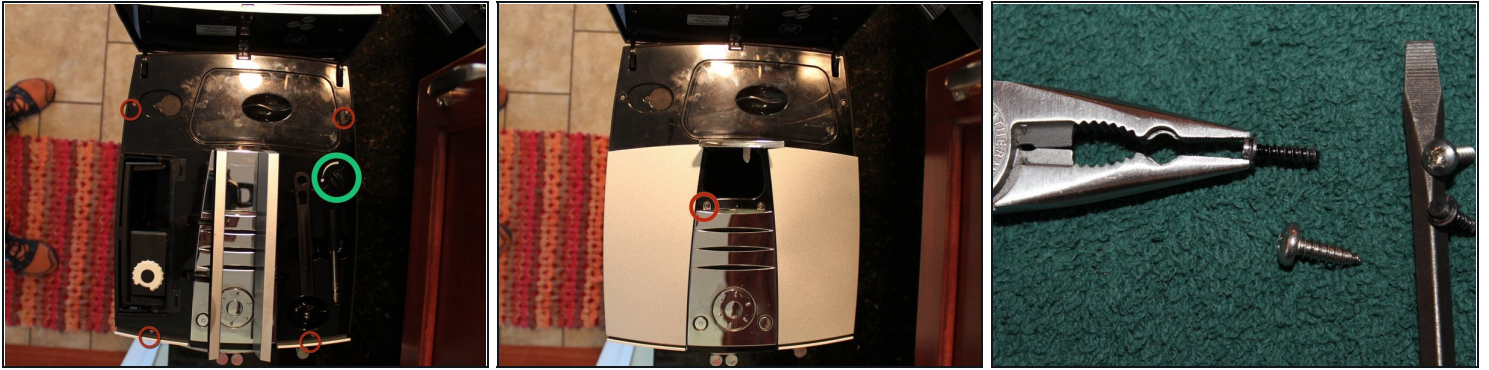
Step 7



- ***Beginning the Disassembly***

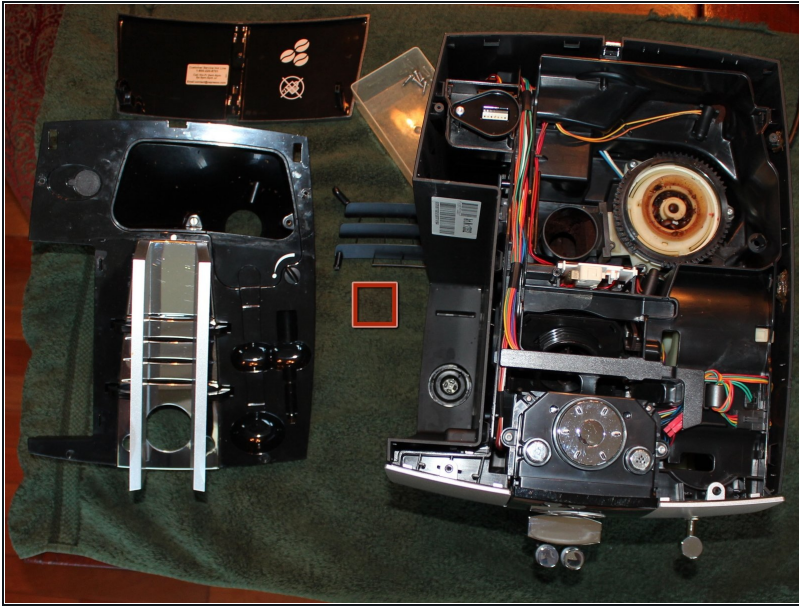
- I recommend performing this on top of an old towel, or something similar, to protect the coffee maker as well as the work surface and because some ground coffee tends to fall out of various crevices in the machine.
- ***Remove:*** all four tray pieces (marked with red squares in the first photo), and 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



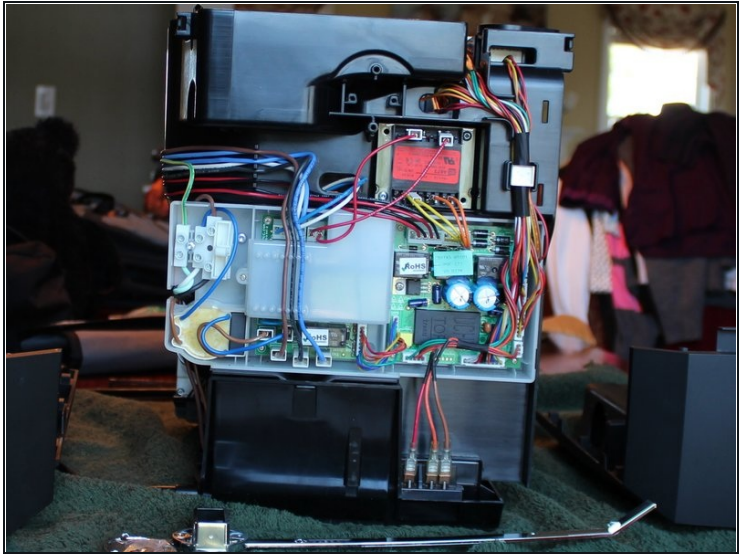
- You can do this step before or after you remove the top.
- Careful, it is easily broken! (I re-attached mine tastefully with tape, having broken the attachment points. ;o))
- Take a piece of tape, preferably painters tape, and make a small tape T-handle on the rear Jura badge. A small piece of rubber 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 ~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



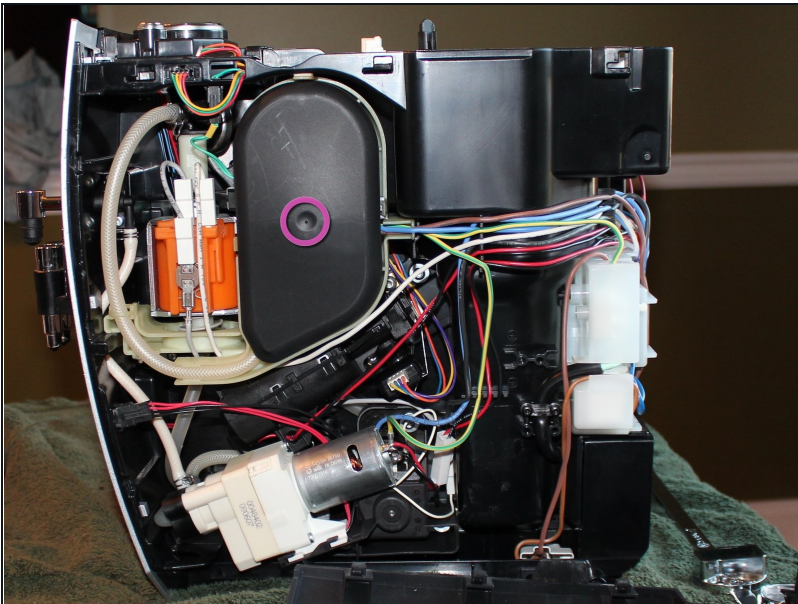
- The T15 screw marked in red is the last screw you need to remove before the left and right side covers can be removed
- Slide the right black (or white) side piece ~5 mm towards the back to remove it. (The right side needs to be removed before the left; you will see an overlap of the sides at the rear 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



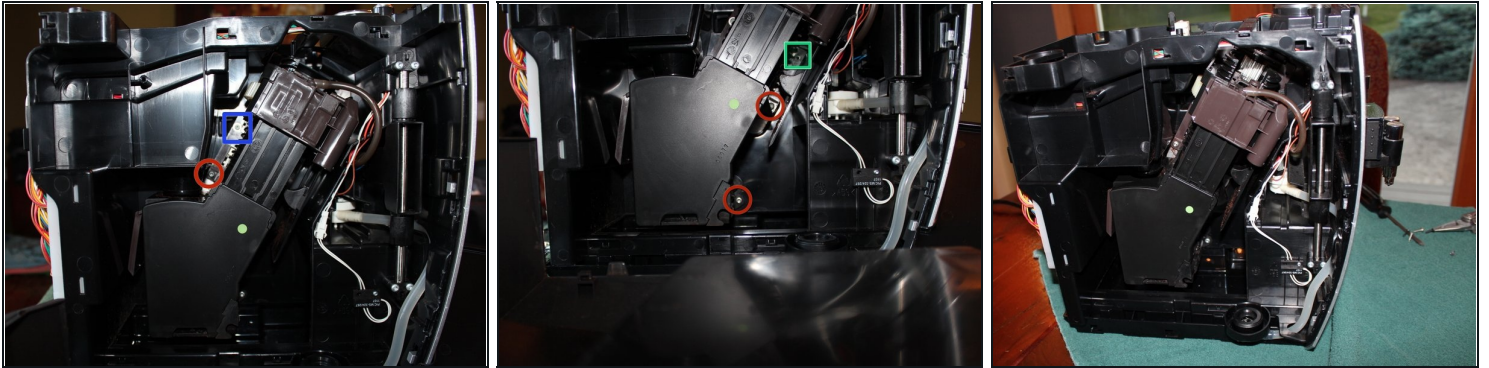
- *Right side internals*
- The pink circle marks the EM shield for the [flux capacitor](#), which is behind that plastic black piece.
- ;o)

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 course 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



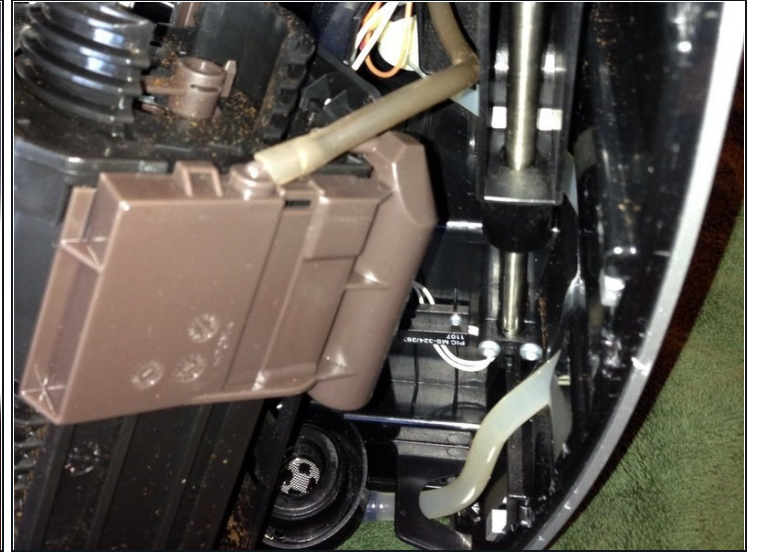
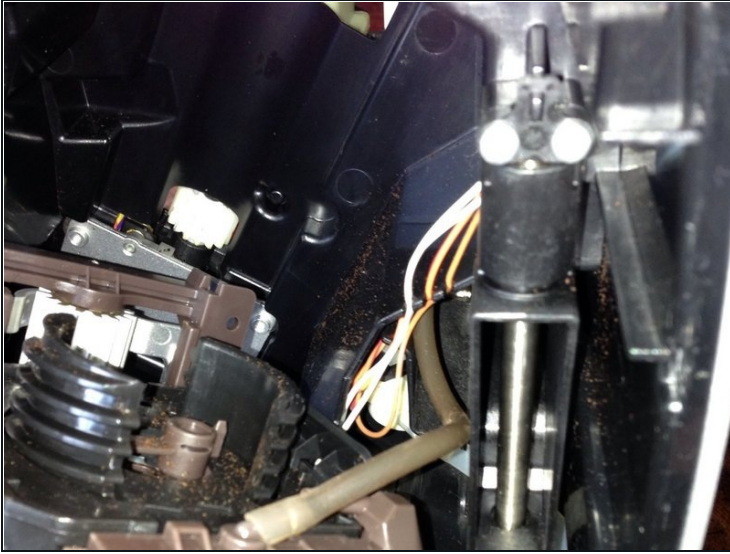
- ***Tamping Assembly Removed - 1***
- The reason for such a large quantity of grounds around the inside of my machine is that I accidentally put too much ground coffee into the ground coffee port. So I took the machine apart to clean those out, and because it was displaying an error during the cleaning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

Step 17



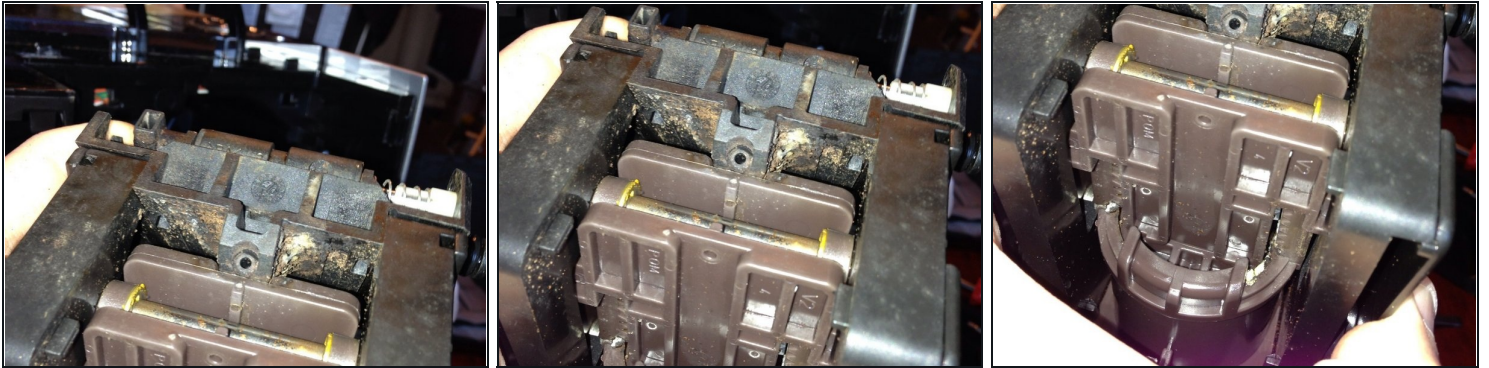
- ***Tamping Assembly Removed - 2***

Step 18



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

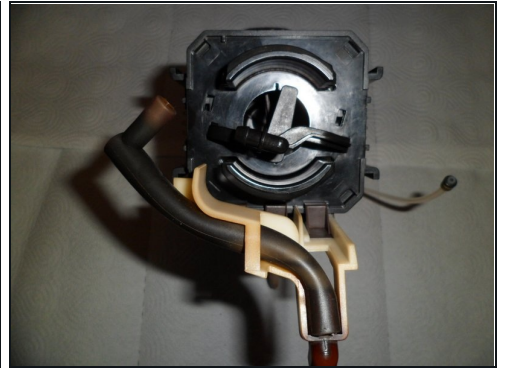
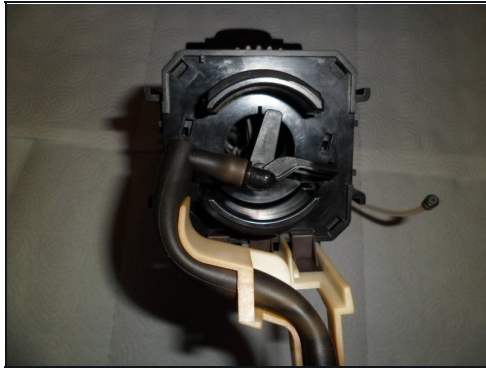
Step 19



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

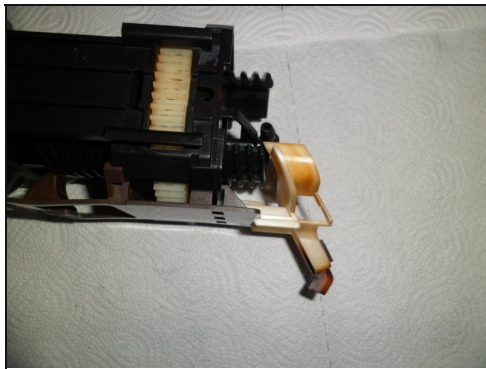
- You can see some growth (mold?!) on the bottom of the tamper in these photo and a little elsewhere.
- I think this is because if I don't empty out the grounds often enough and have a little mold growth there.
- I would love to solve this mold growth problem but can't think of an easy solution? (UV 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 — Brewgroup



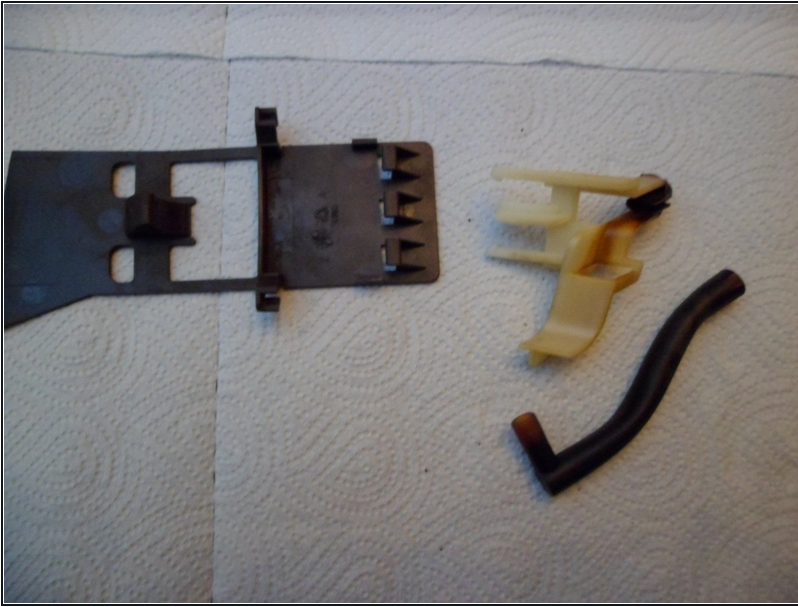
- When deinstalled a Jura brew group, it only has ONE screw (in the metal strainer, its a PH2). Everything is easlily clicked together.
- First you pull off the coffee hose on top. Just pull.

Step 21



- Also pull off the hose at the other end.
- Pull off the shovel. It's clipped at top. It's very flexible.
- For this guide I have chosen a allready cleaned brew group. When you maintenance this, it will be very greasy and everywhere will coffee crumbs skip away. Take some Paper-towels to work on. For degrease take Toothpick, Toothbrush and Degrease-spray.

Step 22



- Here you can see the clipse of the shovel, also the white part which holds the coffee-hose in place.

Step 23



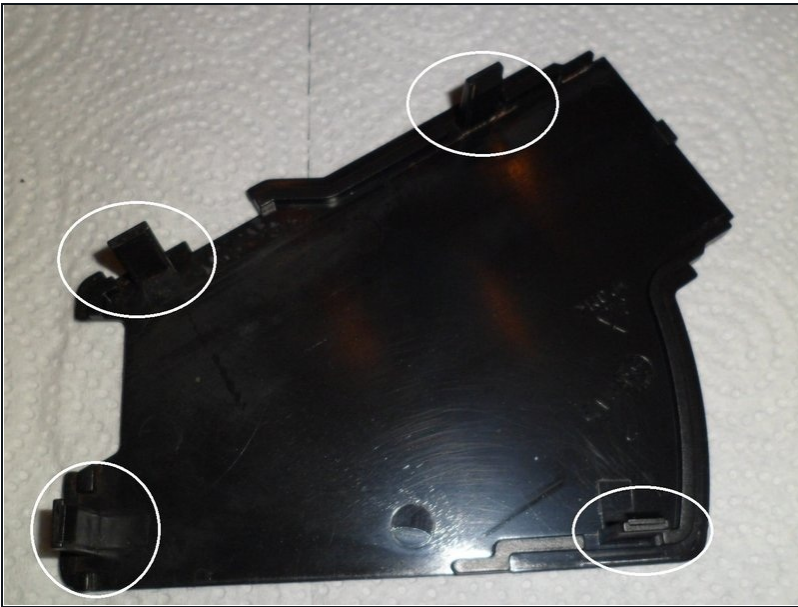
- The upper part of the coffee-tube is also clipped in. Turn it and push the clips. It will snap off. There is no sealing-ring. The sealing-ring for this connection is inside the upper coffee-piston on top of the tube from the Crema-Valve. I show it later.
- The cover over the white gearwheel has 4 clipse, one at each corner. Use a small screwdriver to leverage it up.

Step 24



- Now release the side cover. It has 4 clipse. You can open them by pushing with a fingertip or a small screwdriver.

Step 25



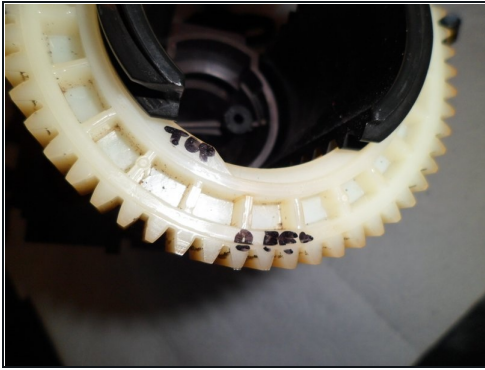
- Deatil of the four clipse. Be careful they may break.

Step 26



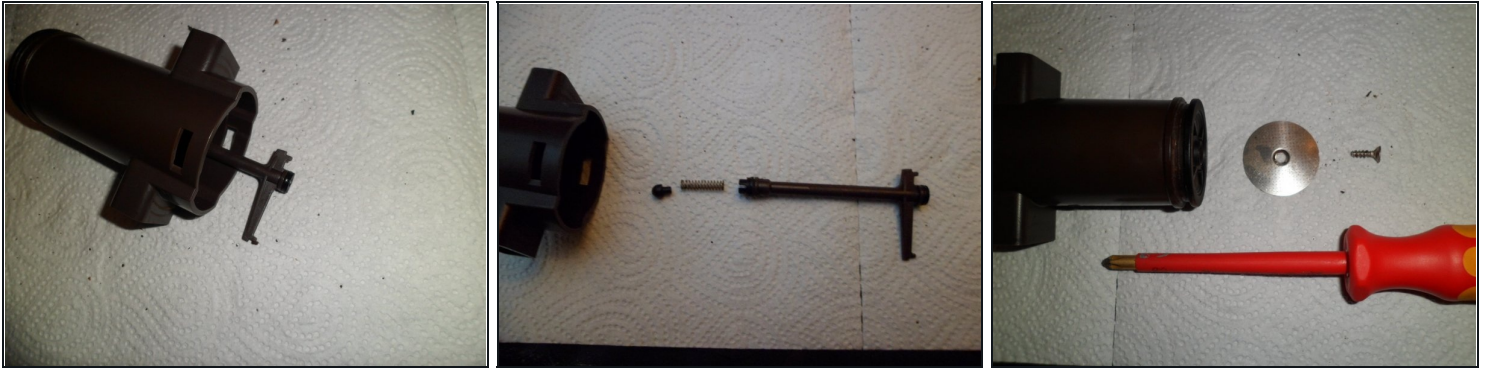
- I don't know how this piece is named. It can easy pulled up like shown on the photos.
- There is a small metal ring. The screwdriver points at it. Lift it up.
- On the other side the same procedure.
- In the brew group are totally FOUR metal rings. One is at this part on each side, and one is inside the mechanic on each side.

Step 27



- Now write "TOP" on the white gearwheel. When it's mounted upside down when reassembled it can't rotate properly. Really truth.
- Turn off the Gearwheel and pull out the upper brew-cylinder (Piston).
- Now you can change the seal-ring.
- If a broken seal was the problem and you don't wish to dissect the brew-group to the end you can now start to reassemble the way backwards. :) But think about it: At the lower brew-group-piston is a sceond seal-ring.

Step 28



- Inside the upper Piston is a pipe which can be turned a bit and then pulled out. Carefully. At both ends are black sealings. Please note the orientation of that piece !
- Inside this Coffee-Pipe at the lower end is the Crema-Valve. This Valve makes the pressure in the coffee-fluid; that makes the good Taste and Crema from the etheric oils of the coffee-beans because the Coffee is squeezed through this valve. Thats the secret why a Jura coffee tastes great. :)
- The Crema-Valve Nozzle has a spring and a rubber lid. Both can easy pulled away.
- On the other side of the piston is the coffee strainer. It's hold in place by a PH2 screw. When the screw is turned out the metal strainer can pushed off.

Step 29



- To get to the lower piston of the brew-group you need to pull away the Drainage Valve.
- Perhaps the Drainage Valve already fell off from the brew-group because it is held in place only by the two side covers of the brew-group. Don't panic, it can simply be pushed back in place.

Step 30



- Now remove the axle. Inside are two snaprings. The screwdriver points at one. Use the screwdriver to unlock these snaprings.
- Now push the axle through the chassis. When the brew-group is filthy and greasy it will move bad - so lay the brew-group on the side and push the axle with the screwdriver.

Step 31



- Turn the lower Piston-Gear a bit like shown on the picture. Now should fall off the two rings which I allready told earlier.
- Then use the srewdriver to push out the lower Piston from the lower gear mechanic. Please note the POSITION of the Piston because of the orientation of the nozzle where the water flows into the brew-group. If it's mounted wrong at the reassembly the brew-group will break !!!

Step 32



- The guideway of the lower piston also can be pulled off the brew-group. The first picture shows the orientation from piston and guideway how it is right.
- The Gear from the guideway mechanics can be turned a little and also pulled off from the brew-group. The second picture also shows the sealing-ring from the lower piston.

Step 33



- When a lot of water occurs under the brew-group it could be a damaged seal inside the drainage. So I created a Drainage Valve Special, you find it at Coffee Maker Maintenance.

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