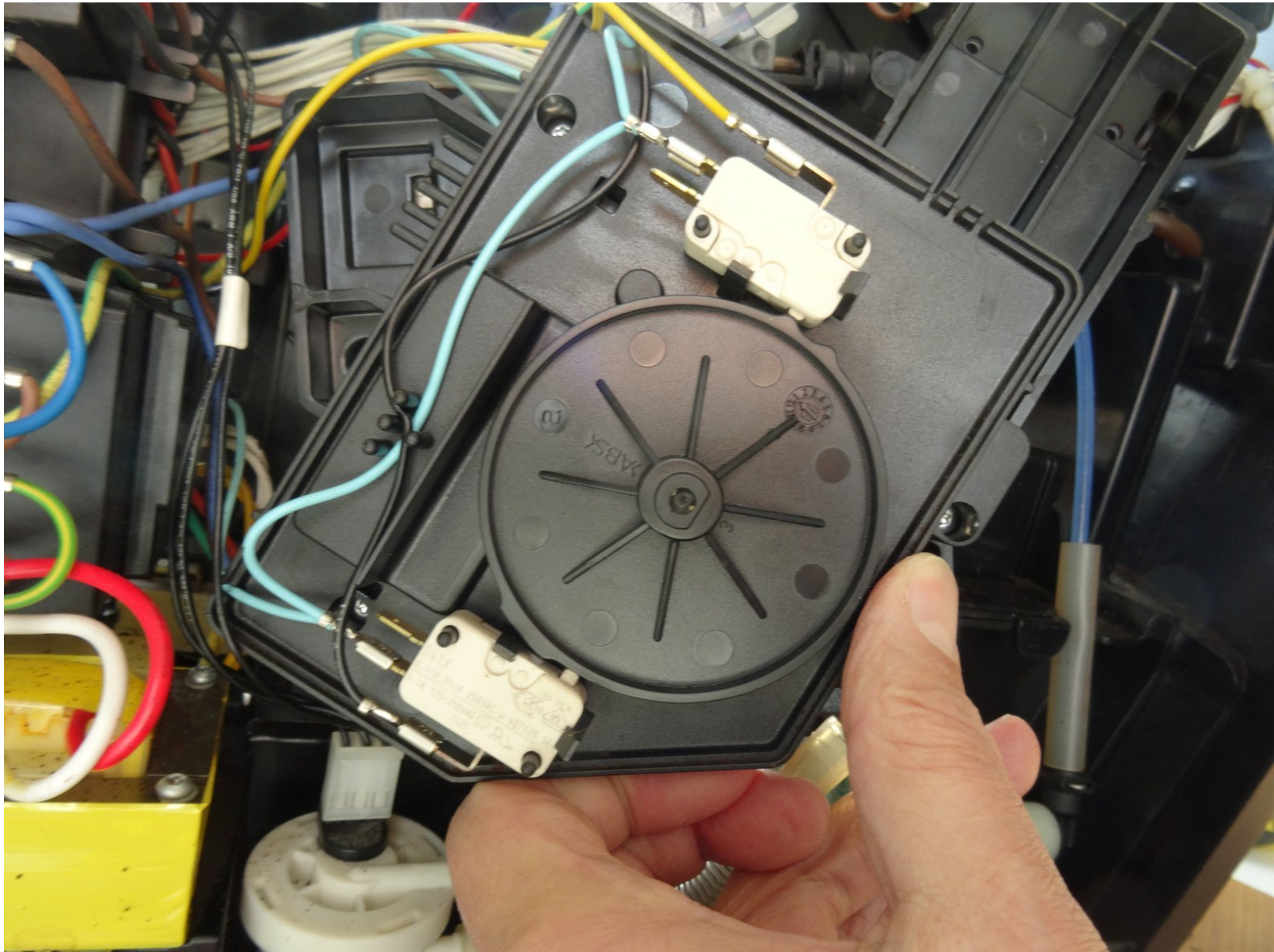




Siemens Surpresso Compact microswitches in the gear drive replacement

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Written By: VauWeh



INTRODUCTION

If these microswitches on the drive do not work precisely, the machine will not work properly and the drive may be damaged. Replacing the Cherry DX41 microswitches is not very difficult.

Note: you can also open the drive without unscrewing it completely. Then skip the corresponding steps.



TOOLS:

- [T10 Torx Screwdriver](#) (1)
- [Flathead 4 mm Screwdriver](#) (1)
- [Tweezers](#) (1)





PARTS:

- [New Item](#) (2)

Step 1 — Opening the Siemens Surpresso Compact



 **Unplug your coffee maker!**

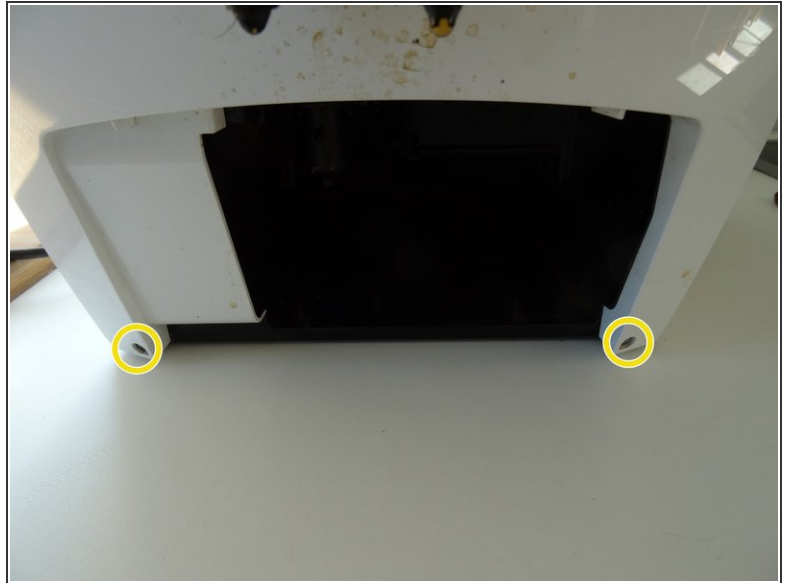
- Remove the water container, the brew group and the drip tray with pomace container.
- Using a spoon, remove as much of the coffee beans as possible from the coffee bean container.
-  Depending on the model, additional sensors with cables may be installed on the top and side panels. You have to remove these before you can completely remove the housing parts.

Step 2



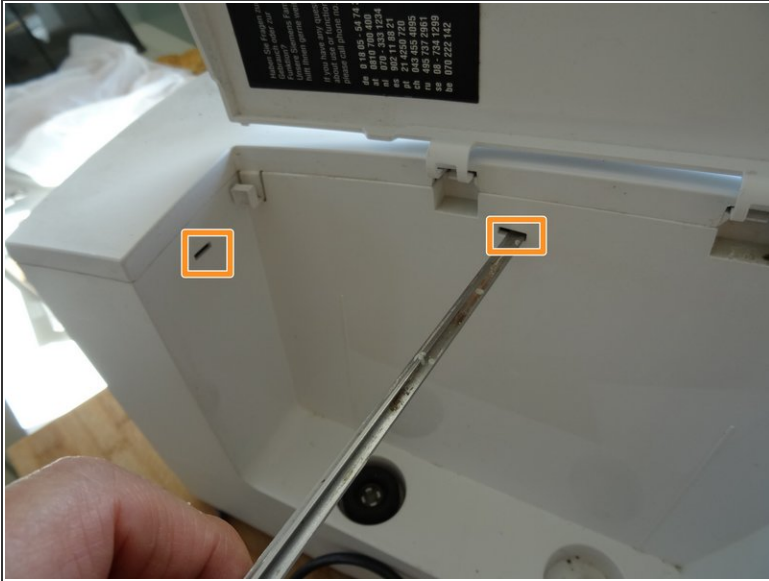
- Remove the two Torx T10 screws on the top.

Step 3



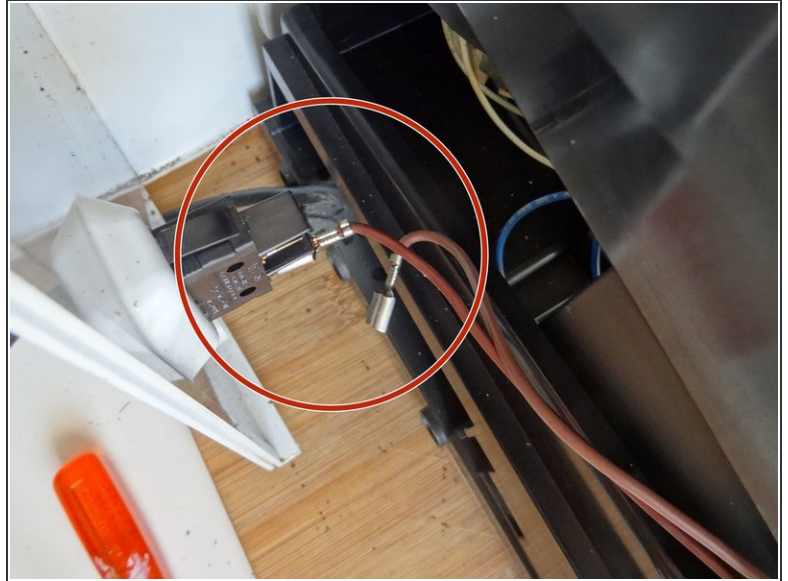
- Remove seven T10 Torx screws on the back.
- The two screws at the bottom of the front can remain.

Step 4



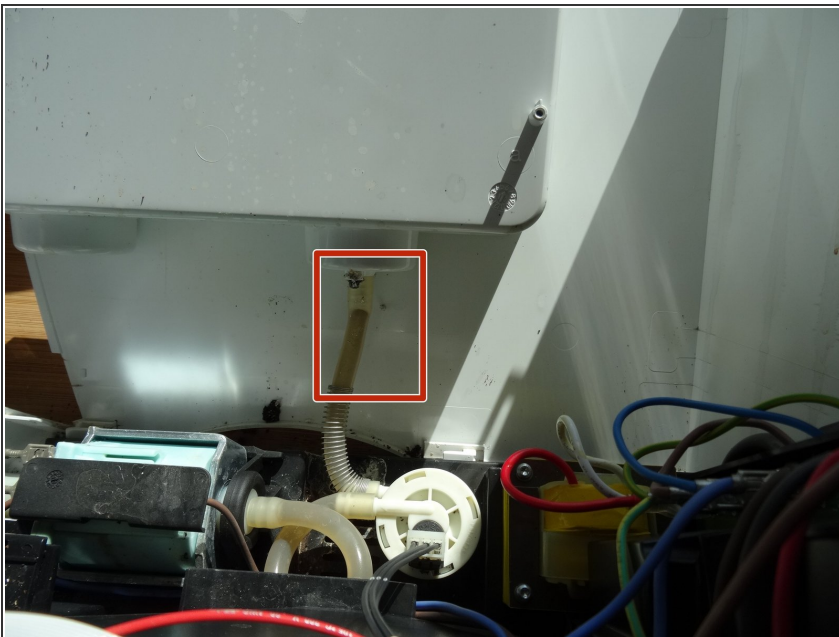
- Press with a flat-head screwdriver into the openings on the side with the water tank. This releases the latches on the top.
- Press the flat-head screwdriver into the opening on the side with the brew group. This will release the last notch on the top.
- Lift the top off.
- On some models, a cable leads to the sensor on the powder tray. Unplug the connector on this cable first.

Step 5



- Slide the side section of the brewing unit about 2 cm to the rear. This sometimes gets stuck and may require some force to remove.
- Remove the two tabs from the power switch.
- Take off the side panel with the brew group.

Step 6



- Do the same with the panel on the other side.
- To remove the water tank hose simply pull it of the pump.
- Remove the side panel.

Step 7 — Gear Drive



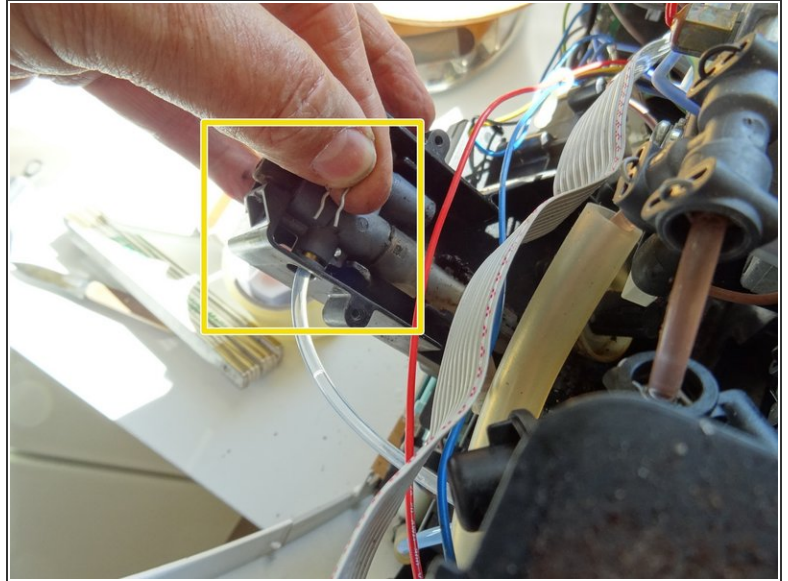
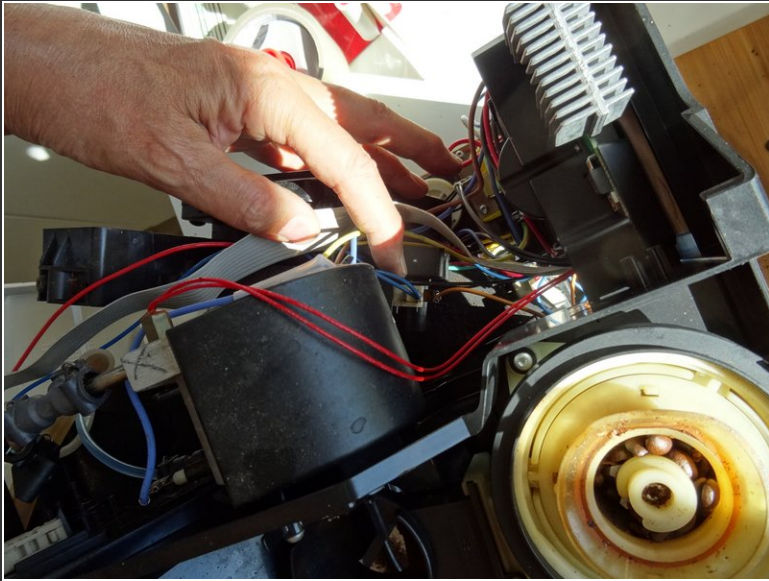
- Rotate clockwise the expansion box about 60 degrees and pull it out.
- ⓘ The expansion box is frequently filled with coffee oils or grounds. Clean it from time to time. It can easily be separated into two halves.

Step 8



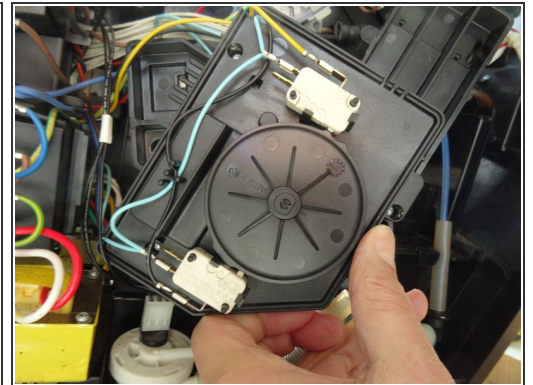
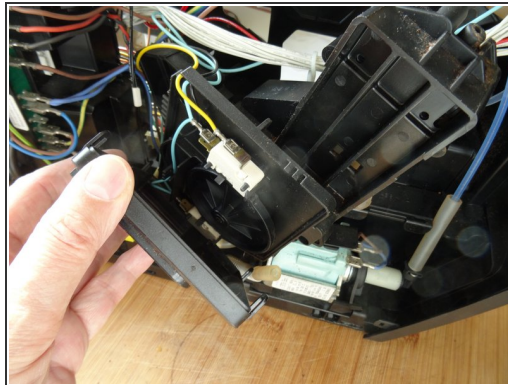
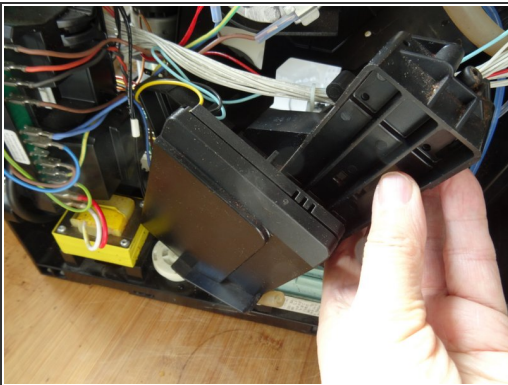
- ⓘ The drainage valve is directly plugged to the gear drive. The drive is fixed with five Torx T10 screws on the center panel behind the brew group.
- Remove the five Torx T10 screws holding the gear drive in place.

Step 9



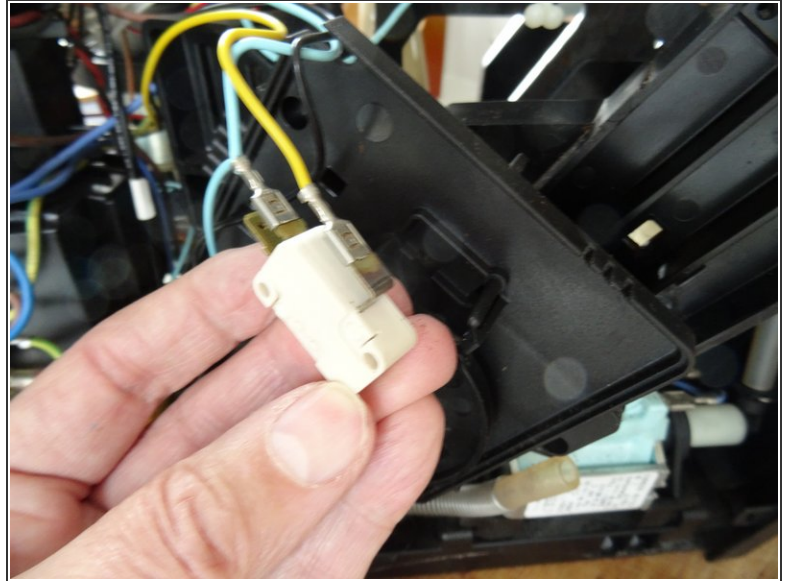
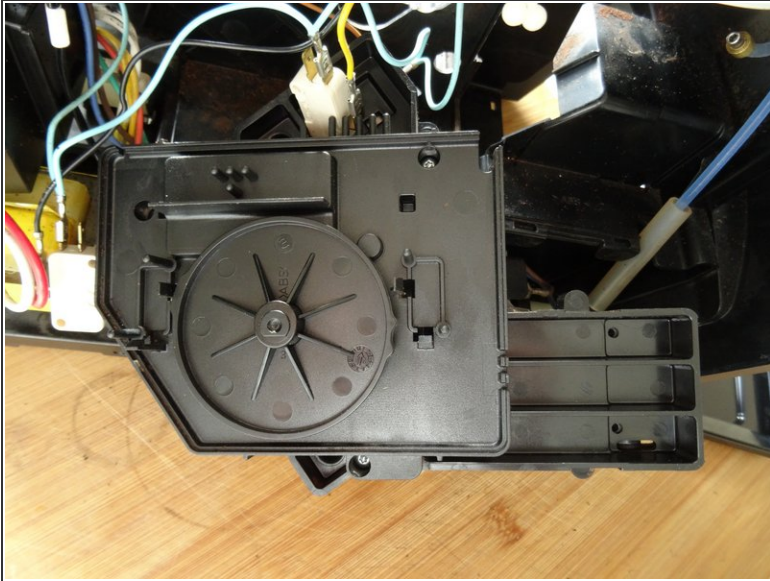
- Push the gear drive outwards to the left. Pay attention, several cables might get caught.
- Lay the gear drive on its side. Loosen the upper water connector by pulling the clamp and then sliding off the hose. Mind the O-ring on the end of the hose, replace it if necessary.

Step 10 — Microswitches in the gear drive



- Open the cover over the drive. It is held by latches.
- Remove the cover.
- The two microswitches are exposed.

Step 11



- The microswitches are held by detents. Release the catches.
- Remove the microswitches.
- Note how the cables are connected, disconnect the flat plugs and replace the switches.

Follow the the steps in reverse order to reassemble your device.