Kenwood Chef: Replacing the SER1018 Planetary set

Disassembly of the gearbox to replace the SER1018 sun gear.

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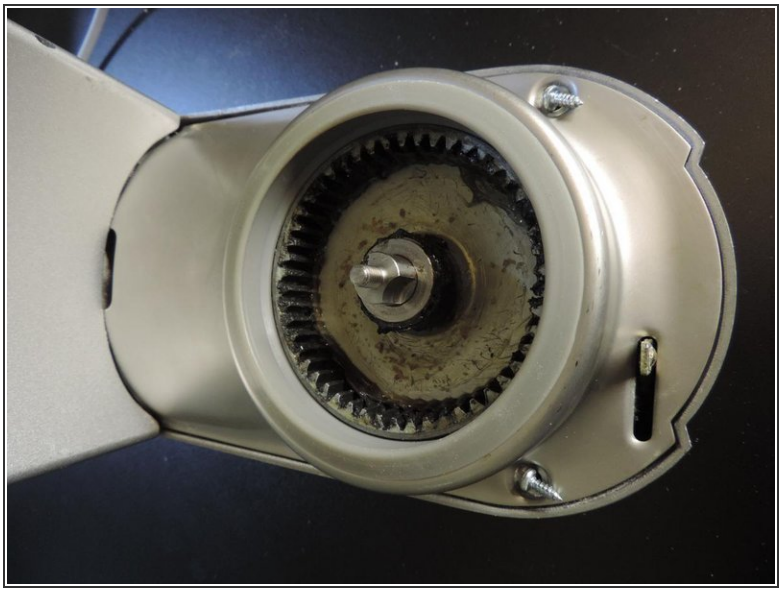
INTRODUCTION

Disassembly of the gearbox to replace the SER1018 sun gear.

Step 1 — Remove the locking latch knob

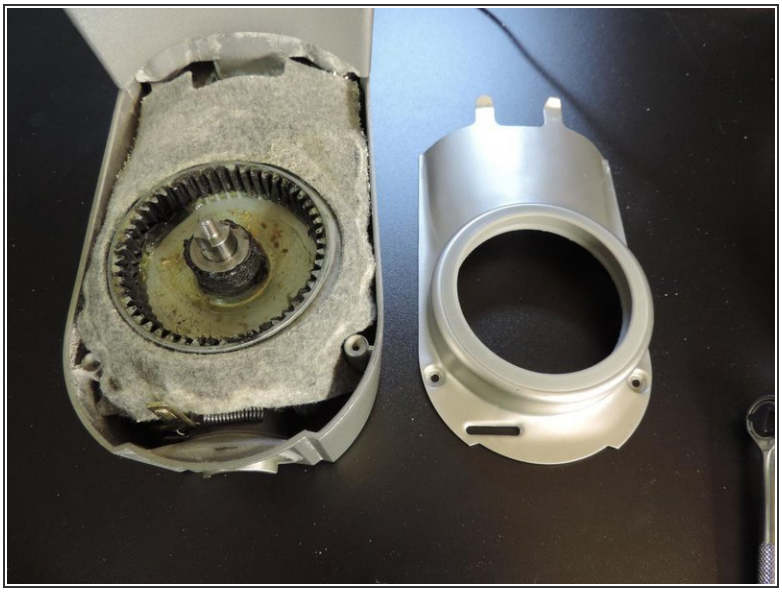
- Remove the button
- Remove the white sheath

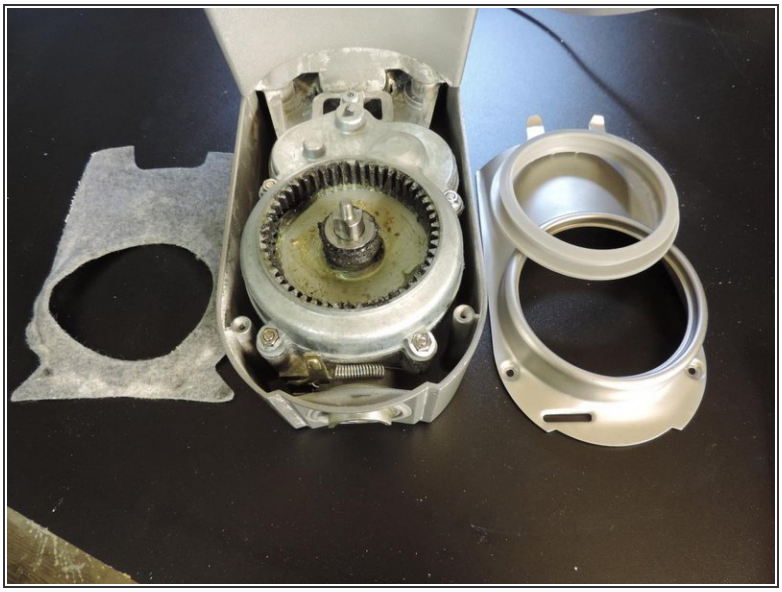
Step 2 — Remove the sun gear



- Unscrew the hex nut
- Remove the sun gear straight ahead.
- Unscrew the Torx screws fixing the bottom of the housing to the machine

Step 3 — Bottom of the machine



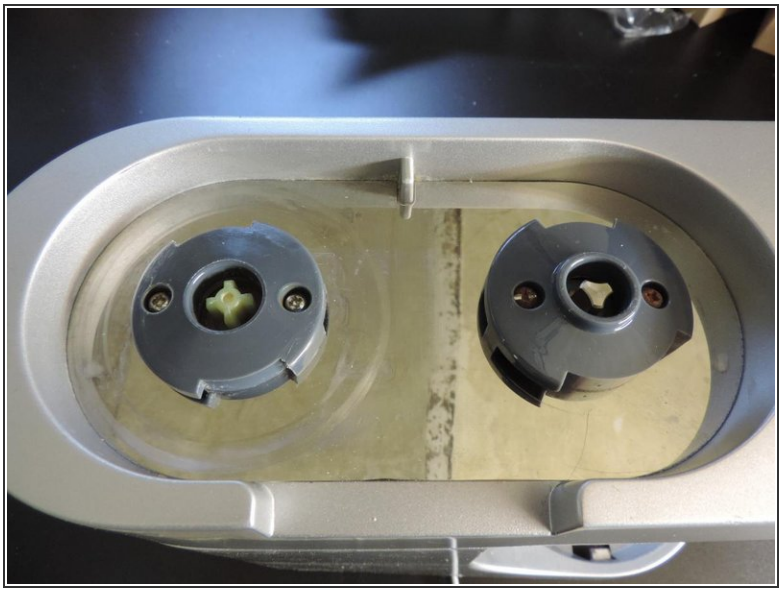


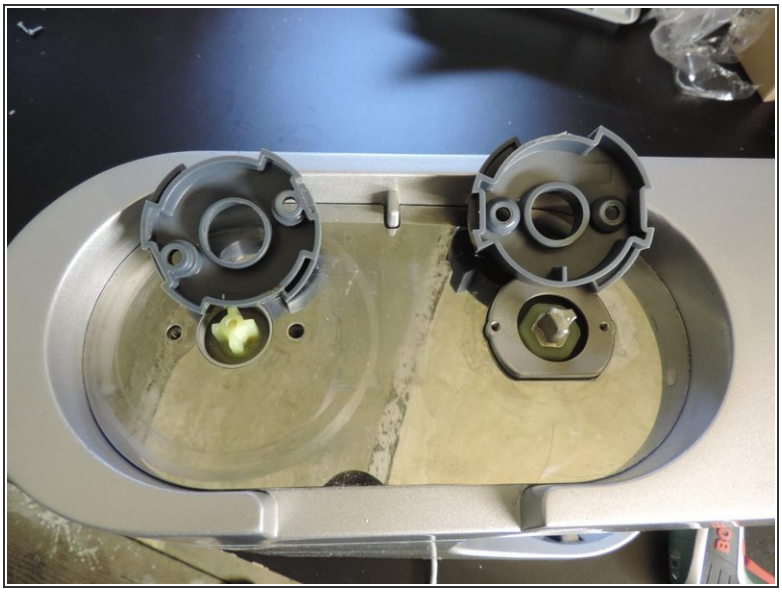
- Remove the bottom of the machine

ⓘ The elastic seal can be removed for cleaning

- Remove the felt pad

Step 4 — Fast and medium speed outputs

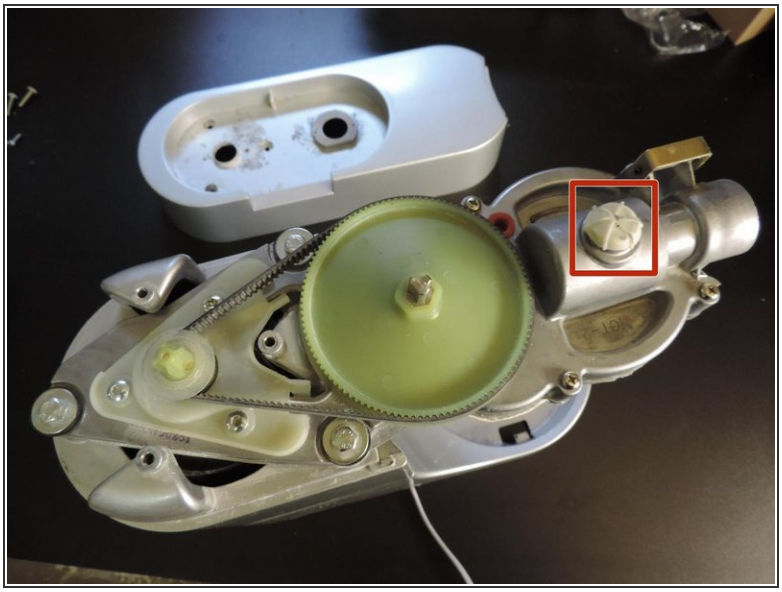




- Unscrew the screws on each side of the circular discs to remove the circular plastic discs

The discs and screws are different, be sure to take note of where they go

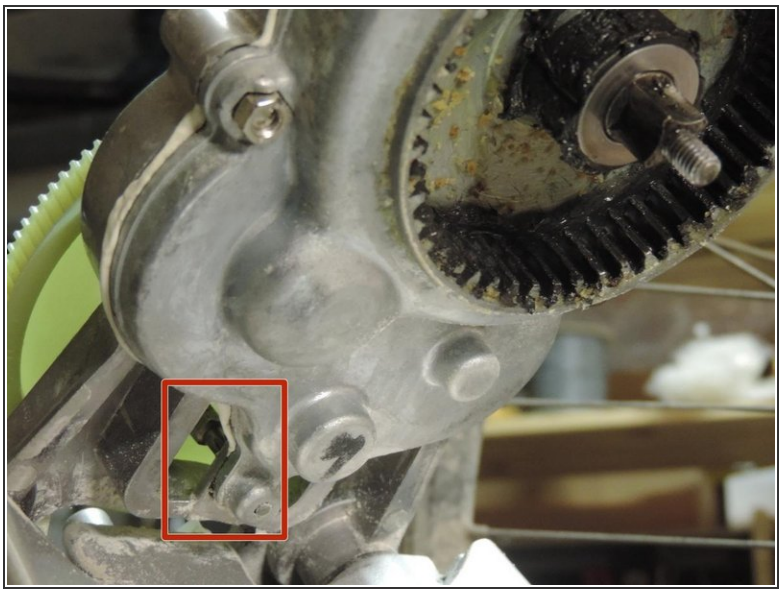
Step 5 — Housing cover

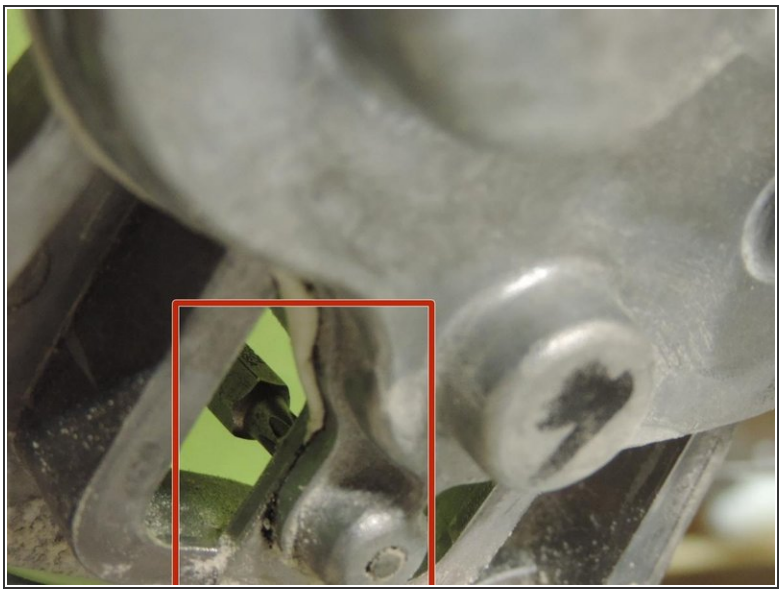


- Unscrew the three Torx screws
- Lift the housing cover up and out of the machine.

Pay attention to the alignment of the white shock absorber and where it was when you removed the housing. (red mark)

Step 6 — The challenge: loosen the hidden screw





It is not necessary to proceed to the next step if the plastic drive wheel has been removed

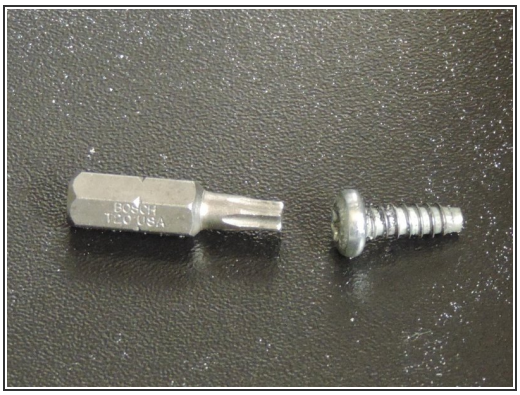
- According to "Jens" simply turn the plastic drive wheel in the opposite direction of the watch to remove it, while blocking the housing. "Julien" found a YouTube video that shows how to proceed. Start at 7:25. Big thanks to Jens and Julien.
- It's very hard to loosen the Tx20 screw hidden by the plastic drive wheel. Beware of metal burrs that your finger may catch.

I did not manage to remove the drive wheel from its axis

- Whoever takes the risk can make a hole in the wheel. I did not have the courage.

I made a special tool -> See next.

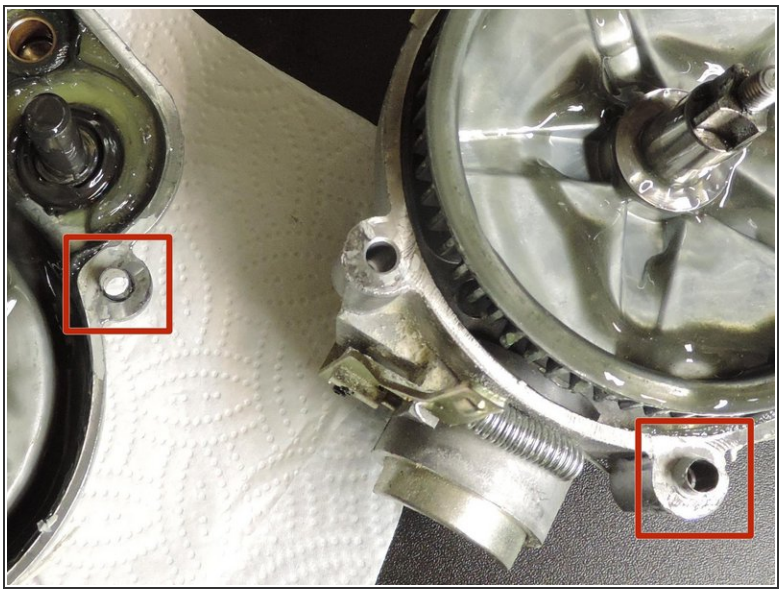
Step 7 — Special Tool


I modified an open end wrench to drive a Tx20 bit

- A slot has been made to facilitate the reassembly of the screw

Step 8 — Open the housing

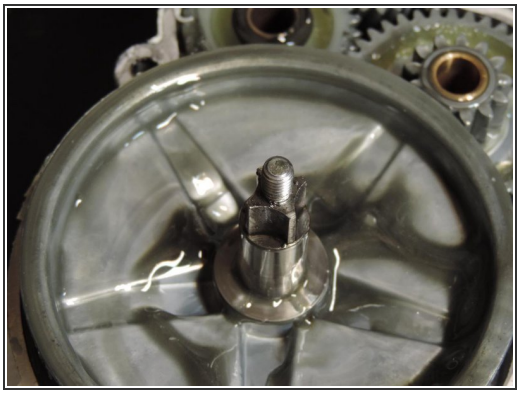
- Remove the guides (red mark). They can be reassembled after closing the housing
- Remove the seal. I replaced it with silicone similar to what is used in the bathroom.

Step 9 — Planetary



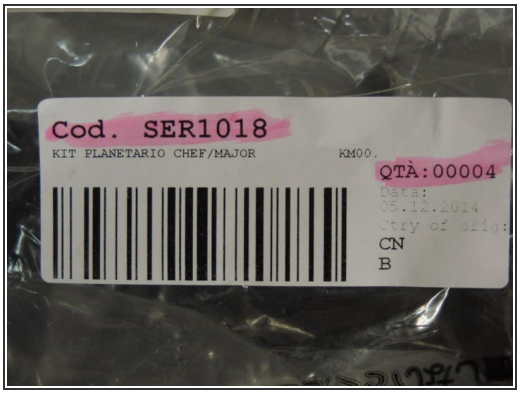
- The former one has a cross fromation.
- The new one has a bayonet tool port. The beater and the whip are in the same position relative to the bowl.
- The width of the toothed wheel does not seem to have any difference.

Step 10 — Training axis



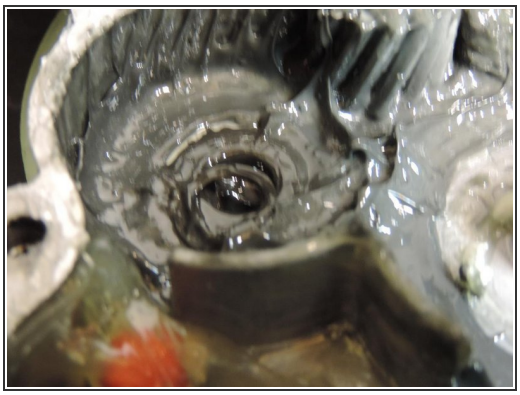
- The former one has a cross patteren

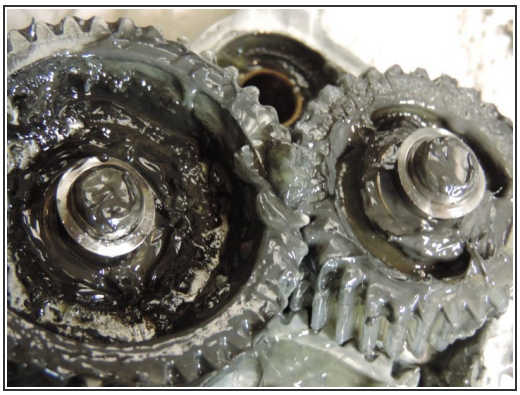
Step 11 — Labels



- Cod. SER1018: Plastic bag containing the three spare parts
- Planetary label
- Hex nut: label and price

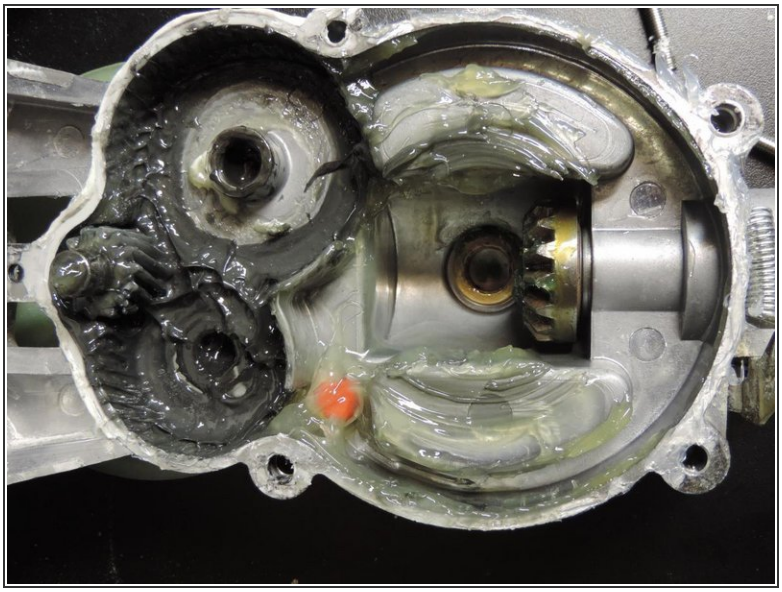
Step 12 — Fitting the gears

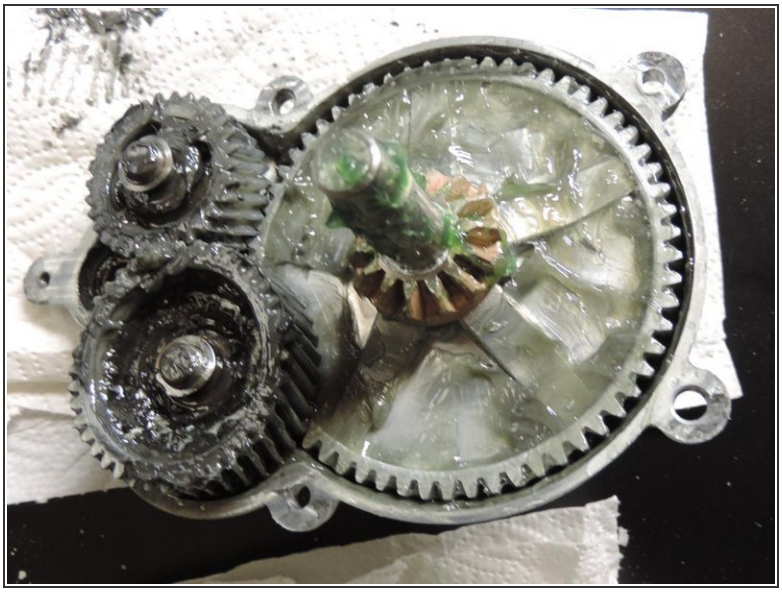




- Place each gear on the axis
- Be sure that the gear teeth line up!

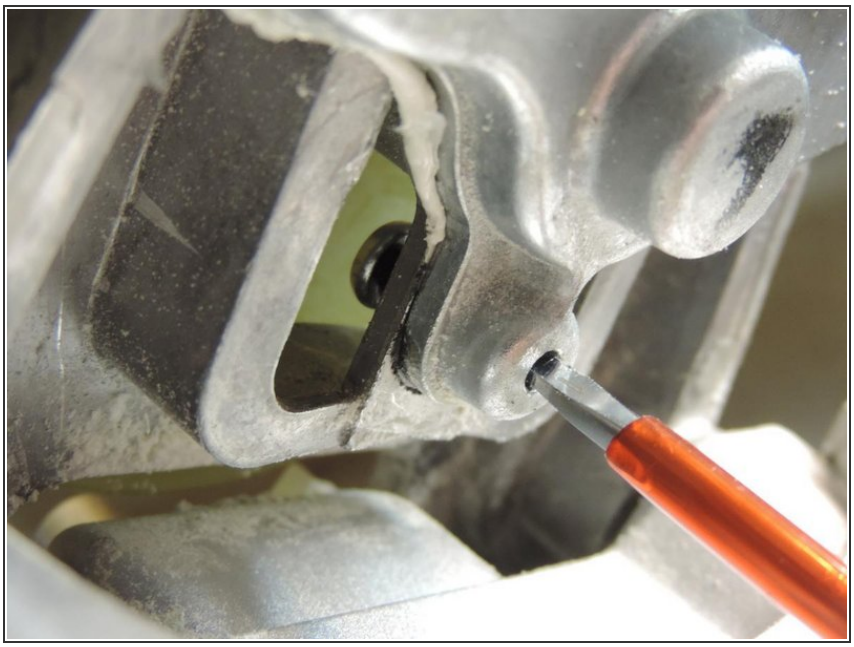
Step 13 — Crank Case Assembly





- There is a lot of greasein the case. Spread the grease on the surfaces that need it.
- Replace the seal. See step 8.
- Set the machine up with the arm in a horizontal position. The shaft of the will fall if the arm is raised
- Gently slide the two parts into each other.
- The screws were loose during disassembly. I fixed them with a drop of screw fixation solution.
- Reinsert the guides to the original positions

Step 14 — Hidden screw



- Screw the hidden screw back in
- Tighten with the special tool of step 7

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