



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



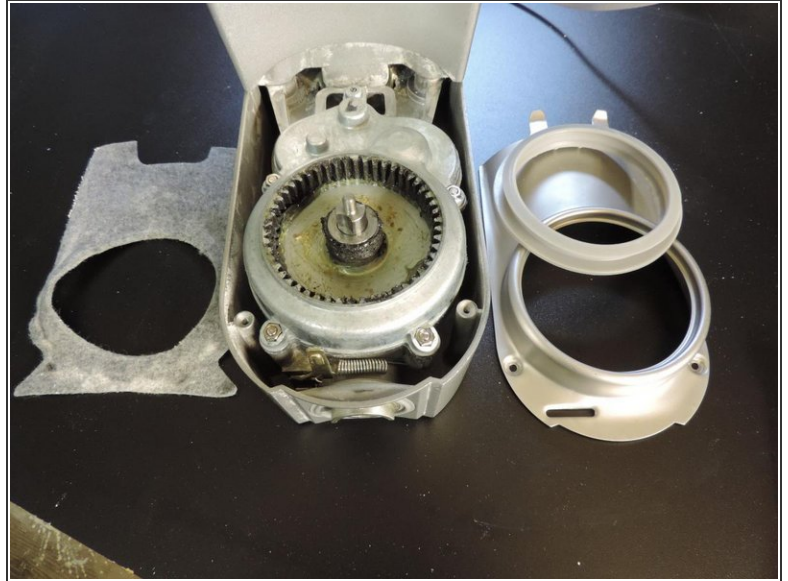
- Remove the button
- Remove the white sheath

Step 2 — Remove the sun gear



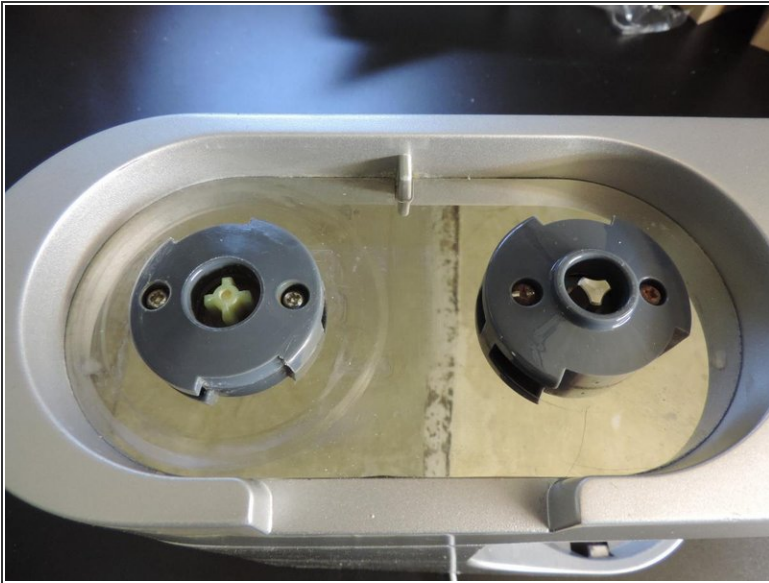
- Unscrew the hex nut
- Remove the sun gear straight ahead.
- Unscrew the Torx screws fixing the bottom of the housing to the machine

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



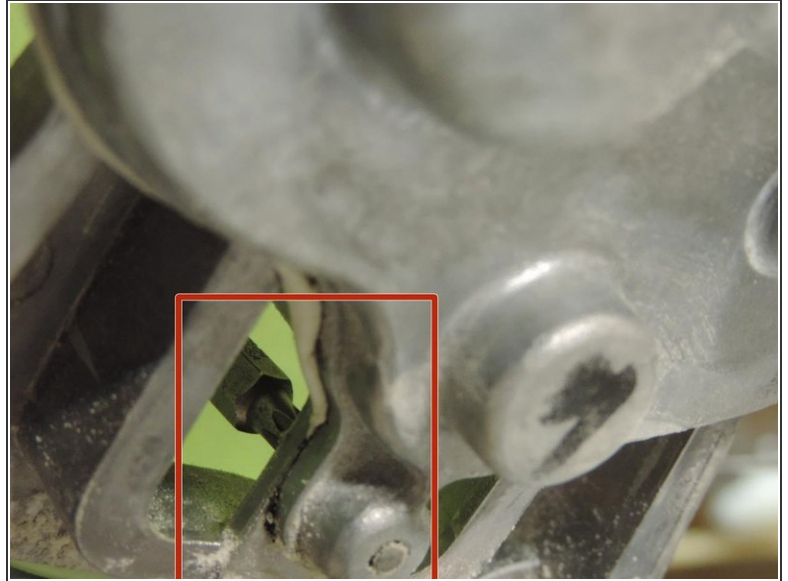
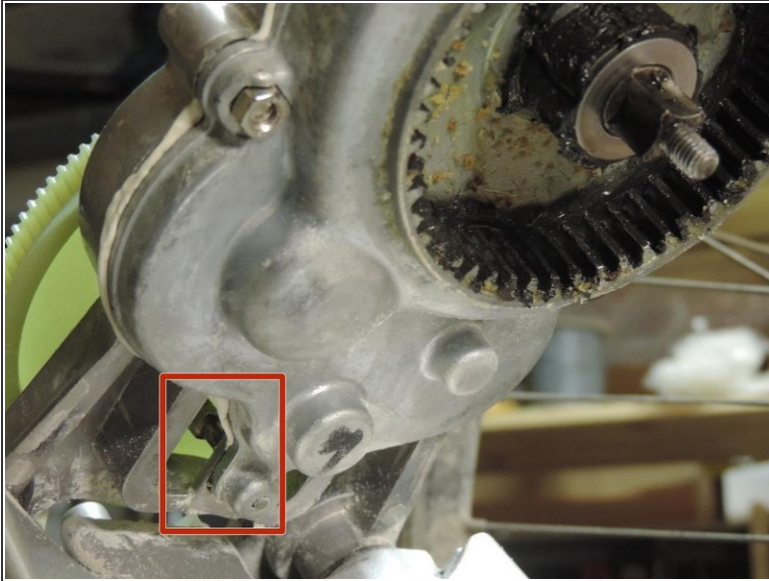
- Unscrew the screws on each side of the circular discs to remove the circular plastic discs
- ⓘ The discs and screws are different, be sure to take note of where they go

Step 5 — Housing cover



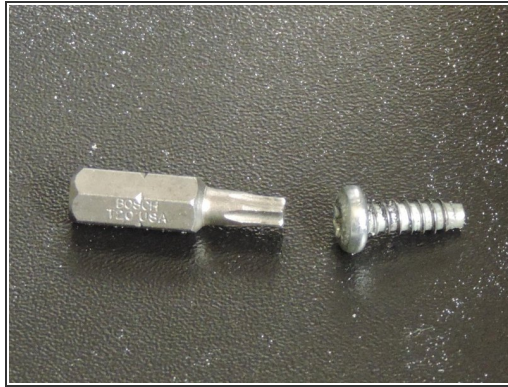
- Unscrew the three Torx screws
- Lift the housing cover up and out of the machine.
- ⓘ Pay attention to the alignment of the white shock absorber and where it was when you removed the housing. (red mark)


Step 6 — The challenge: loosen the hidden screw



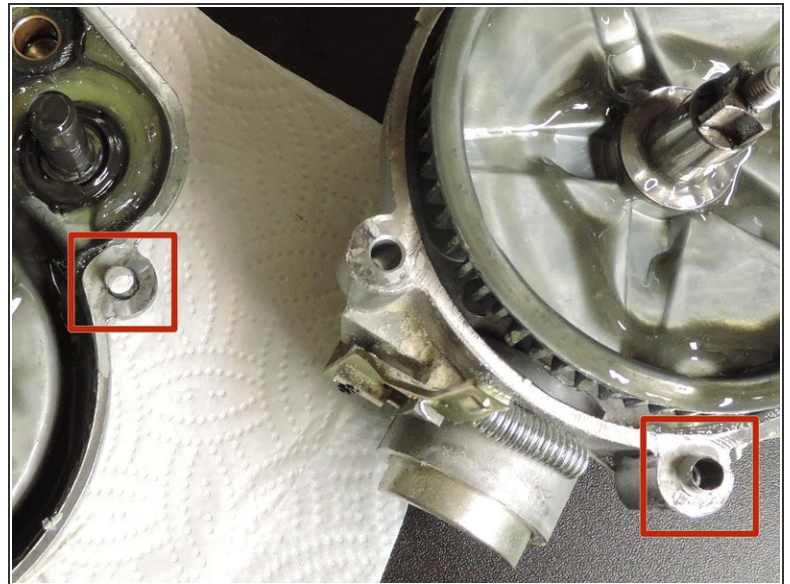
- ⓘ It is not necessary to proceed to the next step if the plastic drive wheel has been removed
 - According to "[Jens](#)" simply turn the plastic drive wheel in the opposite direction of the watch to remove it, while blocking the housing. "[Julien](#)" found a [YouTube video](#) that shows how to proceed. 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



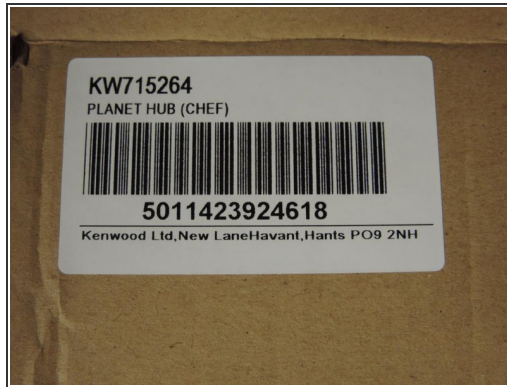
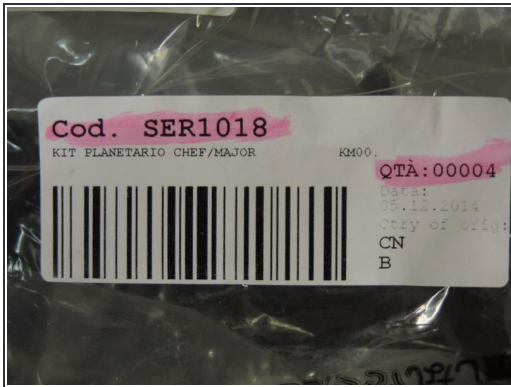
-  The former one has a cross fromation.
-  The new one has a bayonet tool port. The beater and the whip are in the same position relative to the bowl.
-  The width of the toothed wheel does not seem to have any difference.




Step 10 — Training axis



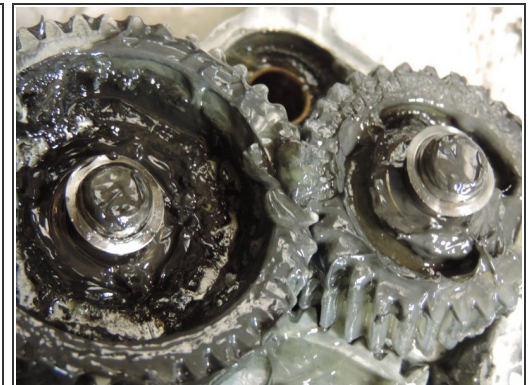
- The former one has a cross pattenen


Step 11 — Labels



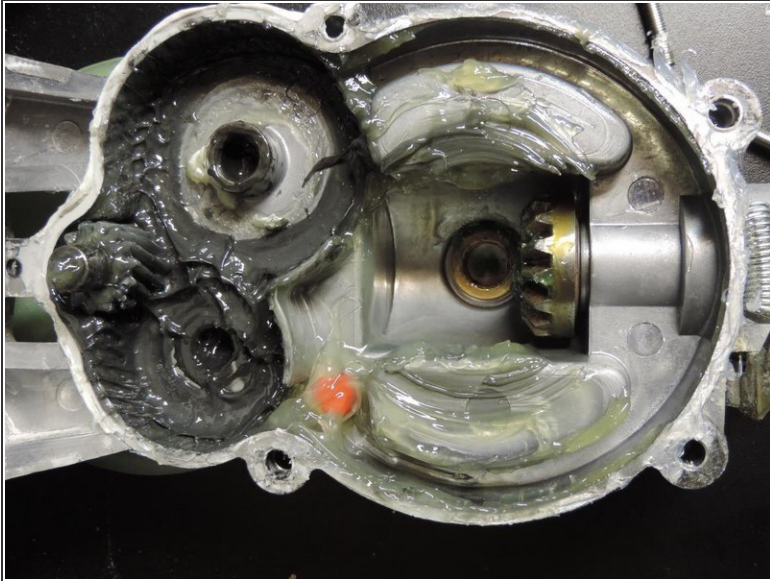
-  Cod. SER1018: Plastic bag containing the three spare parts
-  Planetary label
-  Hex nut: label and price

Step 12 — Fitting the gears



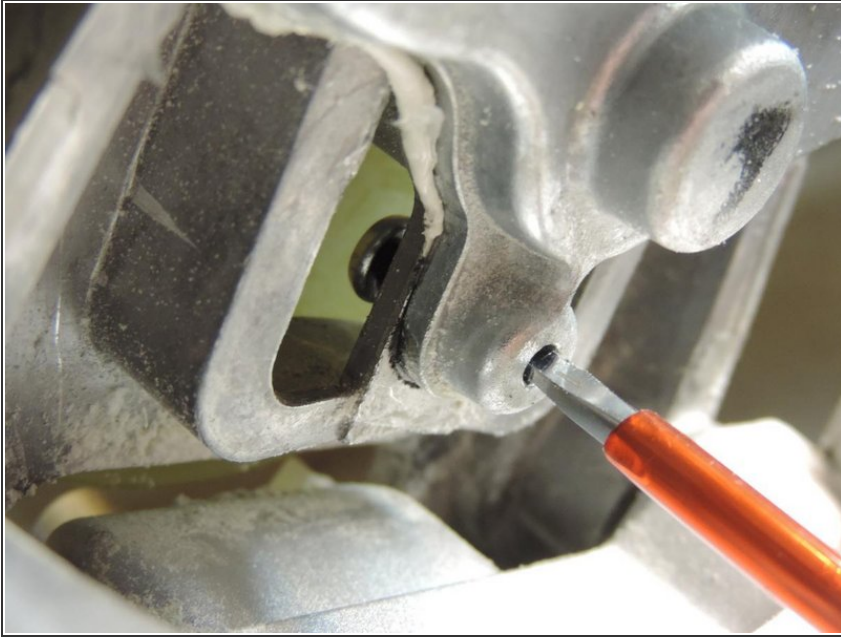
- Place each gear on the axis
-  Be sure that the gear teeth line up!

Step 13 — Crank Case Assembly



- There is a lot of grease in 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.