



Disassembling Kenwood Chef A701A Gearbox and Orbital Mixer assembly

Dissassembly of the top half of the Kenwood Chef A701A to investigate the low speed attachments not working - this could be due to belt or gearbox failure, but is usually due to a plastic gear mounted on a pinion failing. This guide covers replacement.

Written By: Josh Watson





TOOLS:

- [6-in-1 Screwdriver](#) (1)
-

Step 1 — Disassembling Kenwood Chef A701A Gearbox and Orbital Mixer assembly



- Before doing anything, ensure that the mixer is not plugged in! Then, remove the cover from the high speed attachment. If you don't have this cover, then the low speed attachments will not work anyway, as the cover engages the clutch when it is latched on.

Step 2



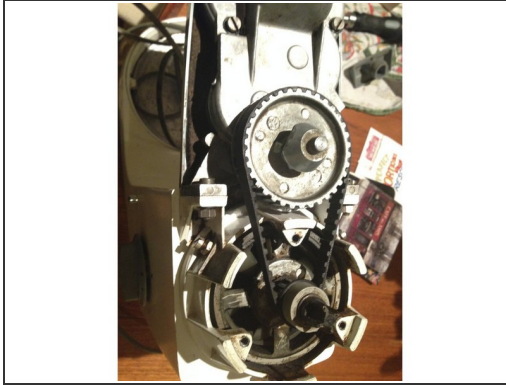
- Now, remove the kenwood chef logo covering the front grinder attachment by pulling the white handled lever towards the edge of the mixer and then pulling the Kenwood panel away from the mixer.

Step 3



- Next, unscrew the three screws holding the high-speed attachment port in place. Once removed, the attachment port lifts up freely.
- Then, take the plastic cover off the other attachment port on the top of the mixer.

Step 4 — Remove the gearbox cover



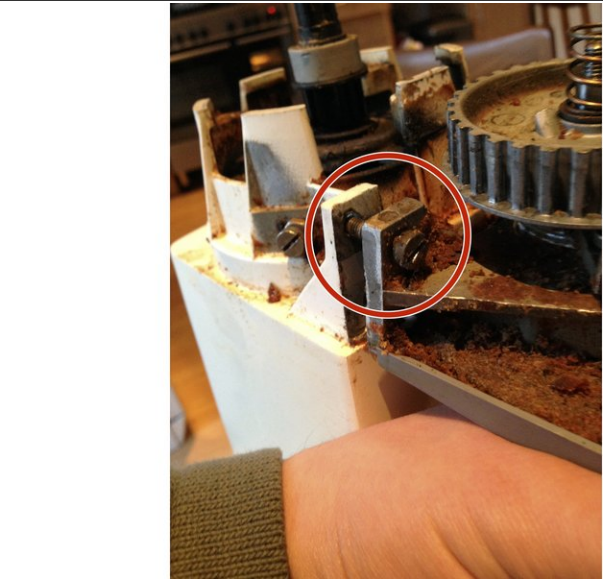
- Now, lift the gearbox cover up and towards the front of the mixer - it should slide straight off
- Marvel at the decades of ingredients stored safely inside your mixer!

Step 5 — Remove the drive belt and springed gear



- You can remove the belt that drives the gearbox at this point - if this has worn out then only the high speed attachment will have been working. It will lift off nicely with a screwdriver.
- The large gear then needs to be gripped, and the "dog" on top of it needs to be removed.
- You'll need to keep the gear in place - either fit an attachment and wedge a piece of timber between it and the body of the machine or get someone else to hold onto it tight) and turn the dog with a spanner. Eventually you or the person holding will feel it release, and you can unscrew the final turn carefully so the spring doesn't fly off!
- If using timber for the above a piece of dressed timber about 120 mm long (and 15 mm wide x 10 mm high) was used successfully for this. It can be used to refit the dog by wedging it on the opposite side when refitting
- Apologies for the cake/belt continuity errors in this set - some are taken during reassembly

Step 6 — Remove/Service the Gearbox - Part 1/3



- If you just need to remove the large gear, here's the time to do it. You can lift it off with a pair of pliers underneath. Note that this is attached to a plastic gear inside the gearbox and this is the usual failure point if your low speed attachment is not working but your mixer runs.
- Next, undo the screws holding the gearbox onto the mixer body. There is one on either side of the mixer (only one shown). If your motor is dead, you may not need to do this.

Step 7 — Remove/Service The Gearbox Part 2/3



- Next, remove the plastic cover on the bottom of the gearbox. At this point, old crumbs will be getting everywhere. This is held on by four screws, which are removed in the first picture. At this point, you also need to pull the plastic cover off the lever at the front of the mixer.
- You now have access to the lower plastic cover - best to give this a wash along with the felt. (picture 2)
- Behold the beauty of the Kenwood gearbox (picture 3). Best not to wash this, but remove the 6 screws to gain access.

Step 8 — Remove/Service The Gearbox Part 3/3



- One thing to do with that - open it up! The cover lifts off showing the still well lubricated gears. Normal failure point ringed - remove this and replace with a new one to fix!
- Reassembly is the reverse of dismantling the mixer.

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