



How to replace motor of AEG Lavatherm tumble dryer

How to trouble shoot and tumble dryer AEG, Electrolux, Zanussi, John Lewis

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INTRODUCTION

This guide documents how I ended up replacing the motor of my 3 year old Tumble dryer AEG Lavatherm Exclusiv Protex Plus Model: T97689IH3 Type: TC12H6THP Prod. No.: 916 097 440 06

When running, the tumble dryer is very noisy. It sounds a bit like metal scraping against metal. It is a bit disappointing to see this kind of problems in a 3 year old machine.

Before I started out I looked up several resources on the internet. e.g.:

- <https://www.youtube.com/watch?v=BjxOsP1e...>
- <https://www.youtube.com/watch?v=8BDryWPX...>
- <https://www.youtube.com/watch?v=hEf9YByH...>

Warning: make sure you disconnect the tumble dryer from mains whenever you touch anything inside, and also beware that the capacitors are likely charged, so you may want to discharge them.

Step 1 — Bring the tumble dryer into service mode



⚠ Before you begin, disconnect the dryer from the power socket. Be careful not to touch any large capacitors—they can electrocute you. You can manually discharge them by [making a discharge tool](#).

- Bring the tumble dryer into service mode by following the instructions in this video: <https://youtu.be/MPirZGgntmE>

Step 2 — Narrow down the problem



- By spinning the drum using service mode #3, and by simply turning the drum by hand, you can hear that something is not right. I suspect that it has to be a faulty bearing, or worse: the motor itself.

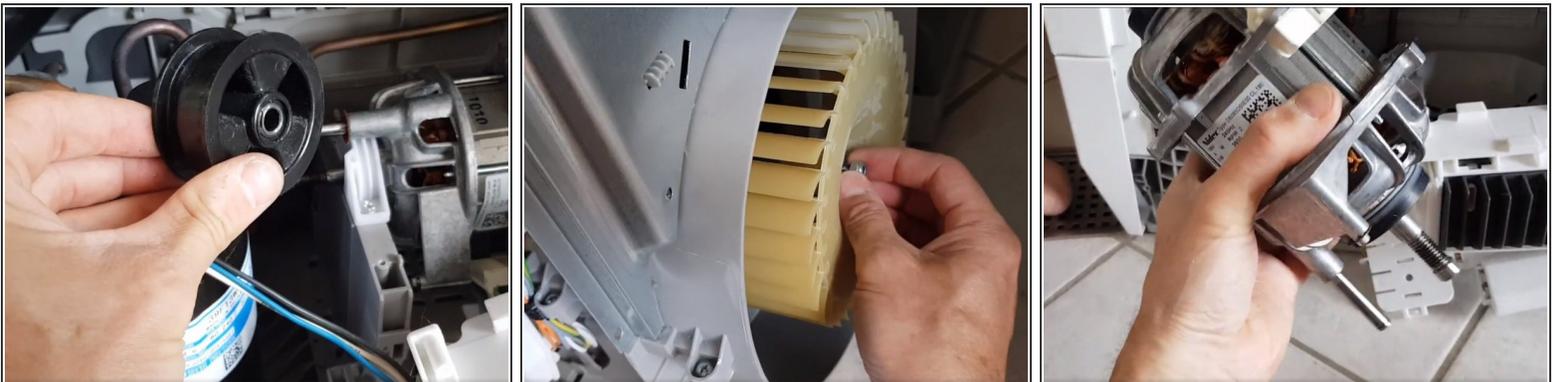
<https://youtu.be/v1mC68JpMK4>

Step 3 — Lifting of the belt



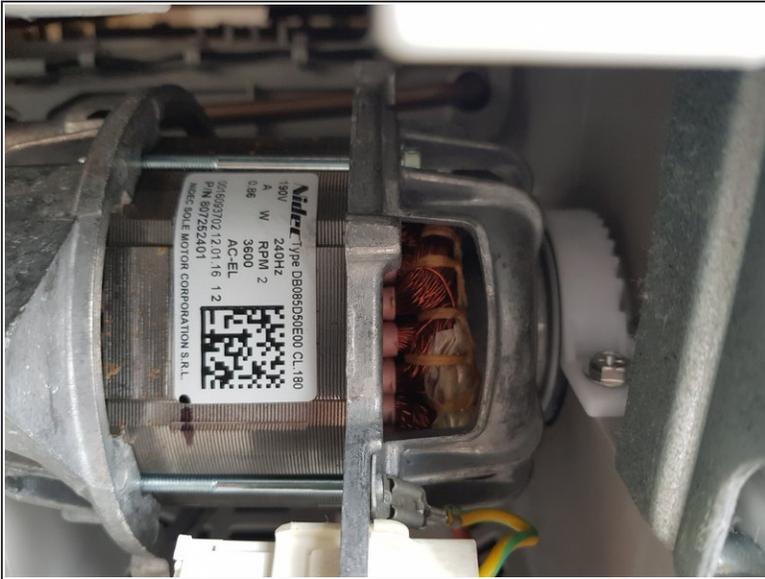
- To further narrow down the problem, you should lift the belt of the drive shaft.
<https://youtu.be/5y6D12VbnWw>
- With the belt lifted of the drive shaft and running test mode, it is clear that the motor is the source of the noise. <https://youtu.be/7E6duSL5qig>
- The motor is labelled: Nidec db085d50e00 cl.180 P/N: 807252401

Step 4 — Remove the motor



- Removing the motor (1 of 3). <https://youtu.be/zcUYOLQxd-Q>
- Removing the motor (2 of 3). https://youtu.be/_cbLo7HXIYI
- Removing the motor (3 of 3). <https://youtu.be/ac5HwPzmZ3o>

Step 5 — Mounting the new motor and testing.



- Mounting the new motor (the picture is actually of the old motor...). <https://youtu.be/Je0kkJCMXoM>
- Testing the new motor with the drive belt attached again. <https://youtu.be/fROnEKUmvk>

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