



Replacing the ball bearing in Squeaky Ceiling Fan

This repair guide will solve the squeaks sound of the ceiling fan after few years of operation.
Youtube guide available show how-to replace the two wear out ball bearing.

Written By: sengchoy lieu



INTRODUCTION

This repair guide will solve the squeaks sound of the ceiling fan after few years of operation. Youtube guide available show how-to replace the two wear out ball bearing.

[video: <https://youtu.be/KLqHiEj5YQ8>]



TOOLS:

- [Ball Bearing Puller](#) (1)
- [Chisel](#) (1)
- [Rubber Mallet](#) (1)
- [Silicone Grease](#) (1)
- [Test Pen](#) (1)



PARTS:

- [Bearing 6203z](#) (1)

Step 1 — Remove the plastic cover



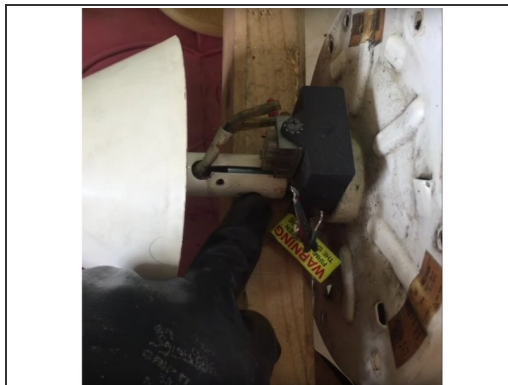
- First, unscrew the mounting screw for the plastic cover located along the brim furthest from the centre.

Step 2 — Removal of the Iron cage



- The iron cage is firmly secured by another three screw.
- Out of the six mounting screws located along the inner circle, three of them will be the mounting screw for the iron cage
- Remaining six screws will be the mounting screw for the fan blade.

Step 3



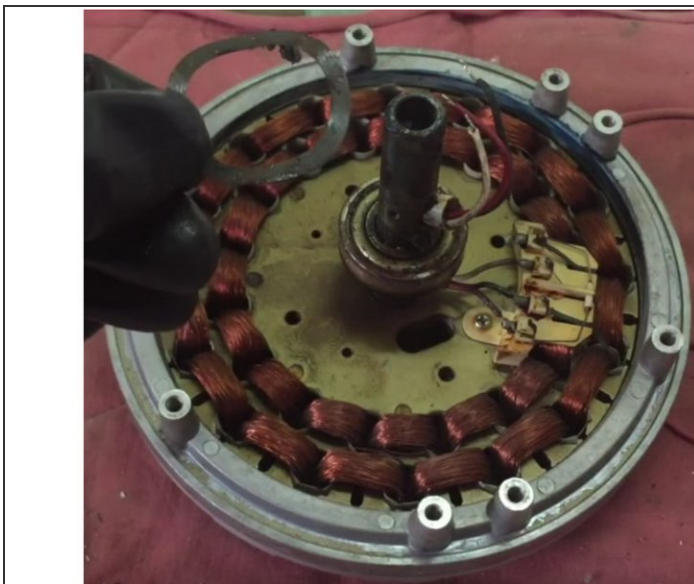
- Unmount the wiring from the terminal block as well as the capacitor from the bracket.
- Unbolt the 13mm mounting bolt to remove the supporting rod.

Step 4



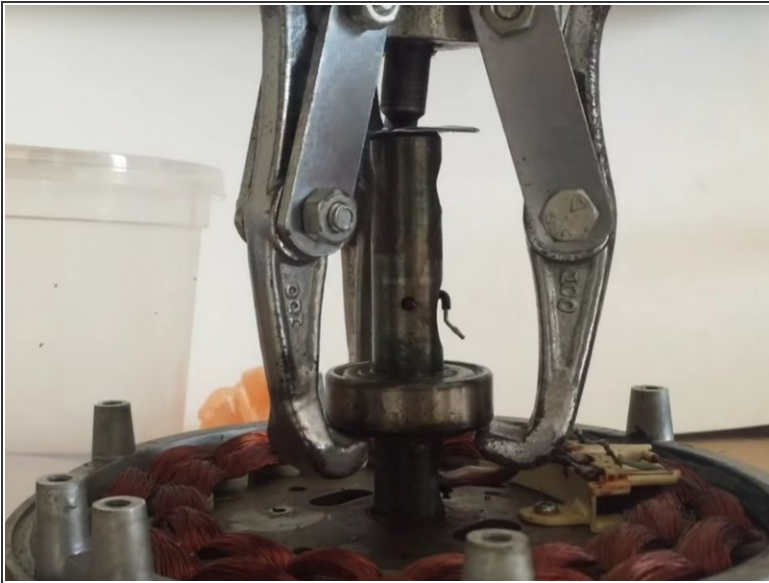
- Remove the safety cord.
- Plier will be used to loosen the holder.
- The back plate could be removed once all the electric component be removed.

Step 5



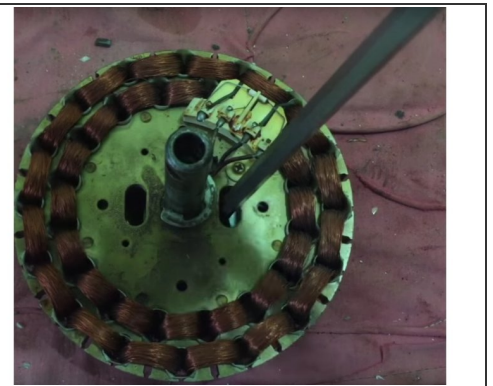
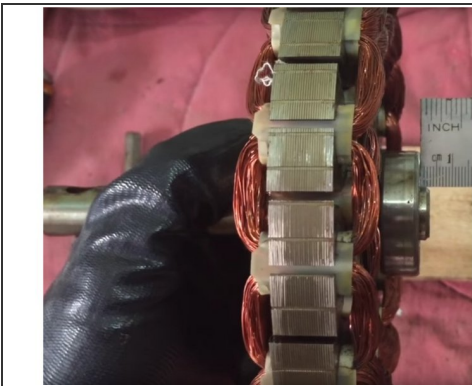
- ⚠ Be sure to keep the O-ring safe.
- The back plate could be removed by knocking it off by positioning it up-side down.

Step 6



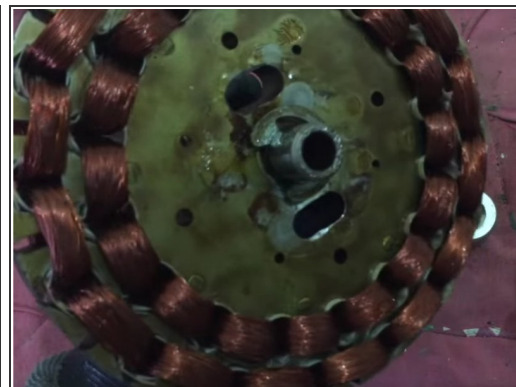
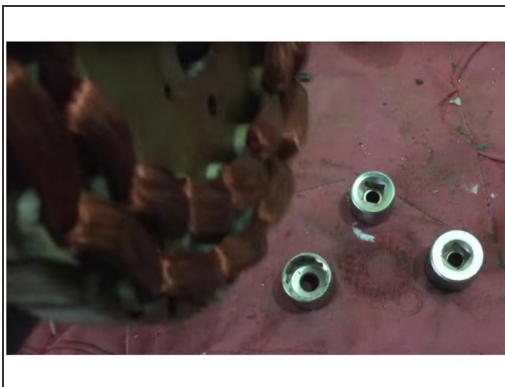
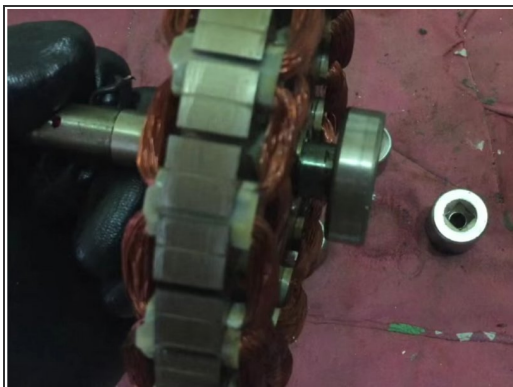
- Three crawl puller will be used to removed the bearing.
- Lubricant will be spray prior to the extraction.

Step 7



- The another bearing located 4mm away from the tip required another bearing puller- Two crawl puller.
- ⓘ Alternatively, it can be knock off using a chisel from behind through the hole.
- ⓘ A long chisel becomes handy !

Step 8



- ☑ Three socket will be used to level the rotor core while giving the bearing a final push.


Step 9



- A three inch PVC tube long of 6/8 inch inner diameter will be used to install the new Bearing (6302z for this model of fan).
- Rubber mallet is used to punch onto the PVC tube during the installation.

Step 10




 A rubber mallet is used to install the another bearing onto the shaft. Rubber mallet or wooden mallet is used to prevent damage to the bearing.


- The same PVC tubing will be used to give the bearing a final push.

Step 11



- Mechanical grease is apply around the inner wall of the iron cage

 BE sure to install the O-ring

 Installation of the fan required electrical knowledge. A certified personnel are required to help installing it back up to the ceiling.

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