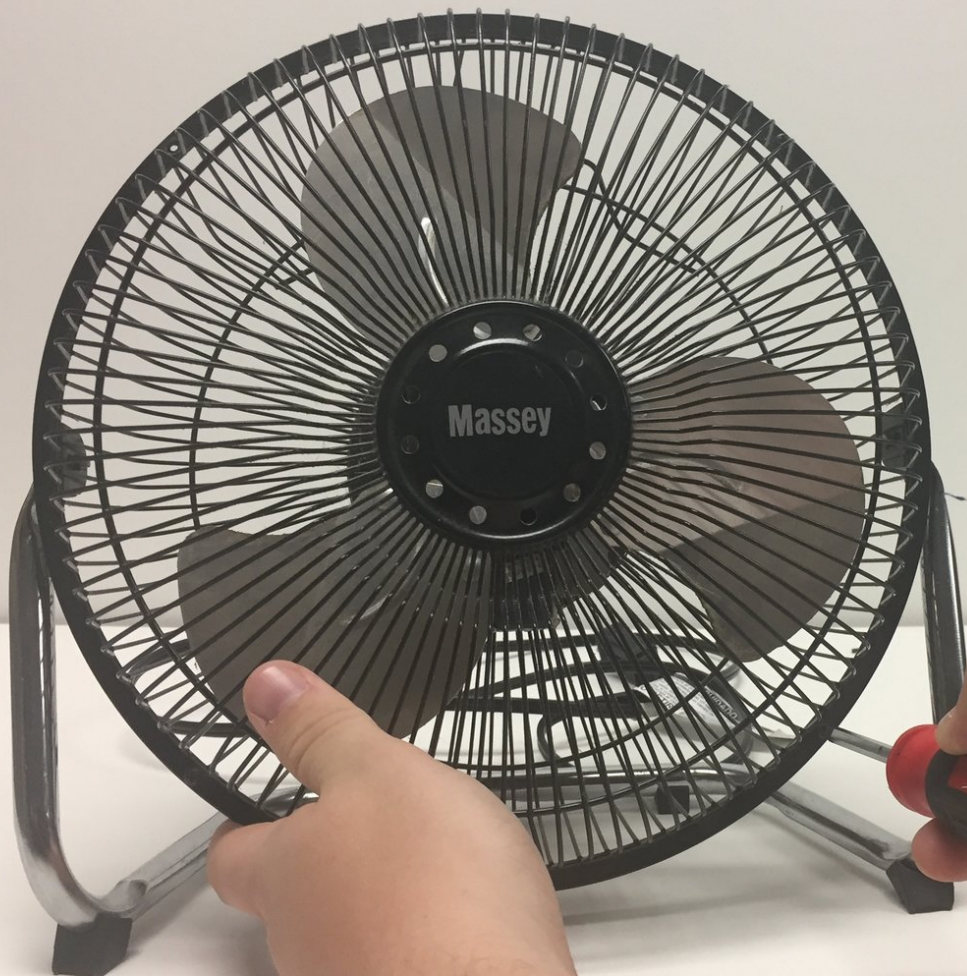




How to Repair a Portable Fan

How to fix a fan with a seized motor.

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INTRODUCTION

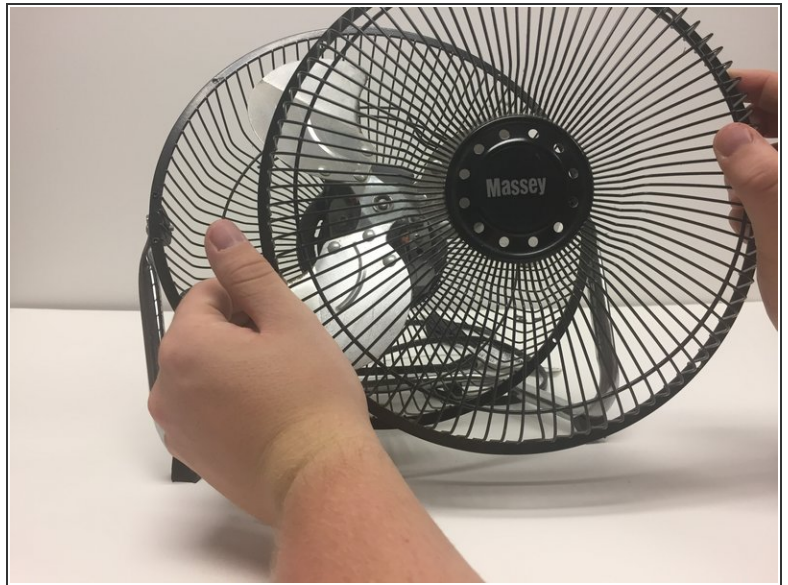
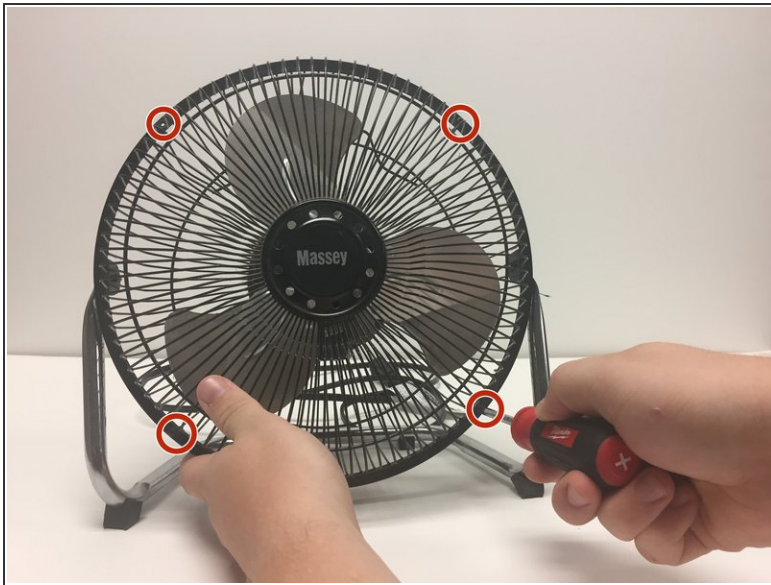
This fix will restore your fan's original power and quiet operation. This fix does not require new parts, but does require a #1 Phillips head screwdriver, an 8mm wrench or socket, and a medium or low viscosity lubricant.



TOOLS:

- [8mm wrench](#) (1)
 - [Phillips #1 Screwdriver](#) (1)
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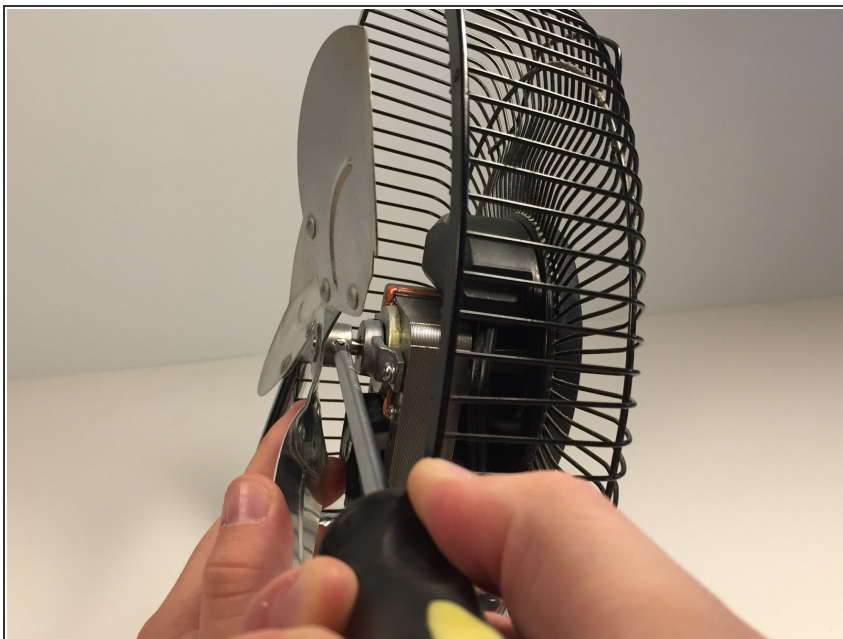
Step 1 — How to Repair a Portable Fan



⚠ Unplug the power cord before beginning.

- Loosen the 4 phillips screws around the rim and remove the front of the cage

Step 2



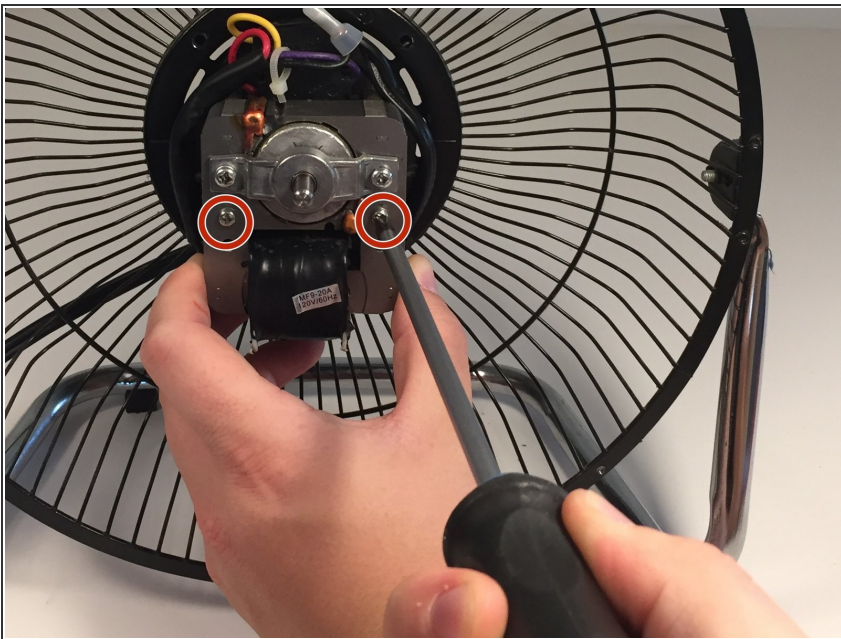
- Remove the fan blade by loosening the screw on the shaft while pulling up.
- ⓘ The screw does not need to be fully removed before the blade will slide free.

Step 3



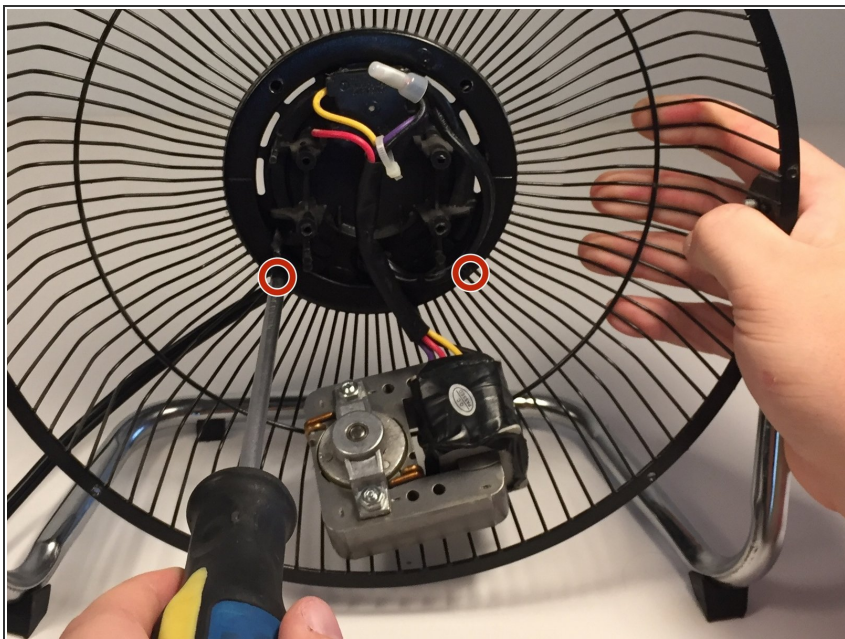
- Remove the wiring cover located above the fan motor.
- ⓘ There are 2 more screws holding the back mounting plate and cage together. They will be removed in a later step

Step 4



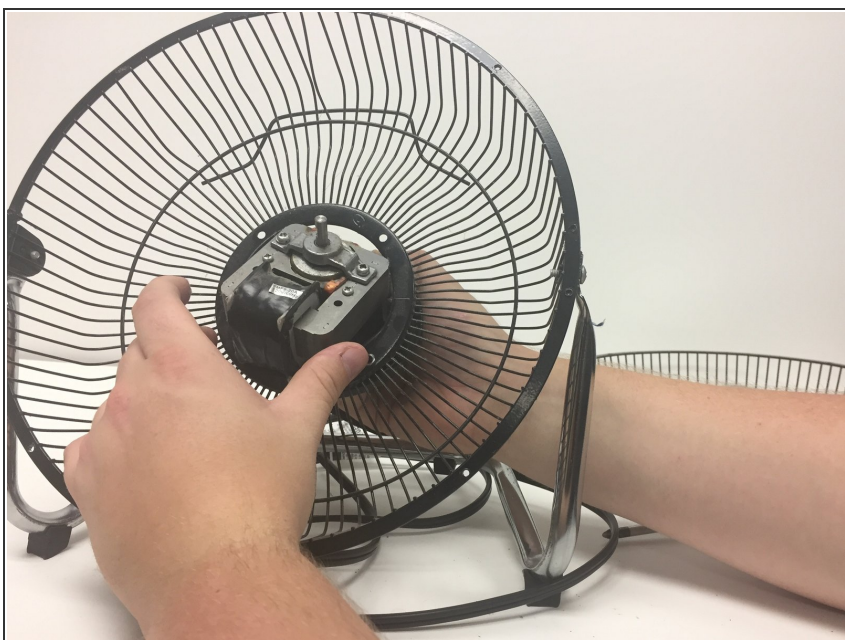
- Remove the motor from the mounting plate by loosening the 2 smaller screws on the front.

Step 5



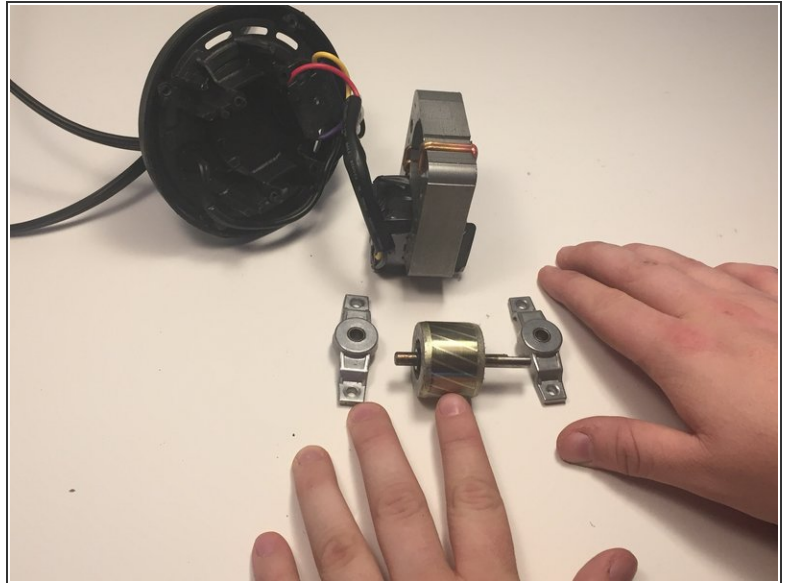
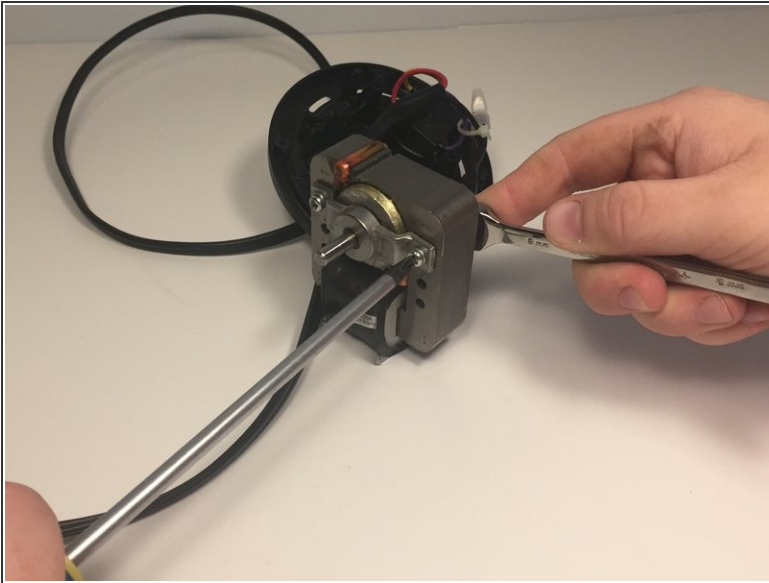
- Remove the final 2 screws holding the mounting plate to the cage.

Step 6



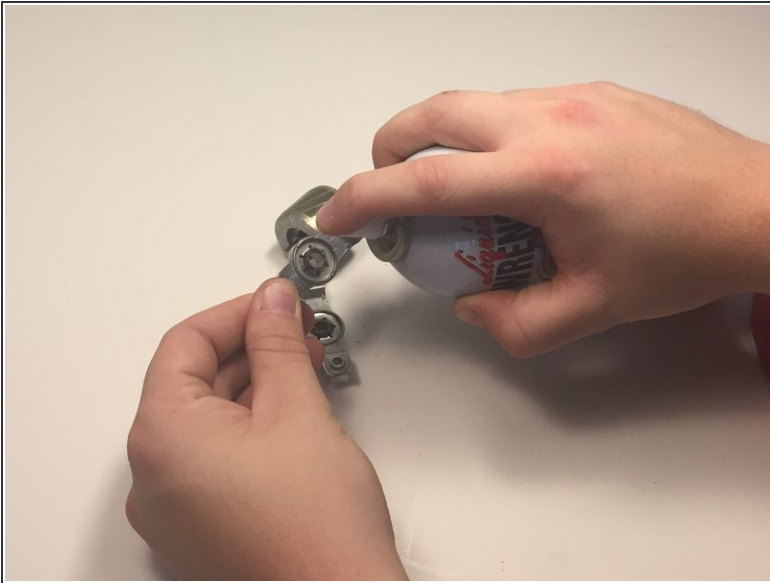
- Carefully pass the motor through the opening at the back of the cage.

Step 7



- Using an 8mm wrench and phillips screwdriver, remove the magnet mounts from the body of the motor.
- The magnet will slide out of the motor . Inspect the magnet and motor for anything that may cause a hang-up.
- ☑ Do not over-tighten the magnet mounts during reassembly. Over-tightening may cause the motor to bind.

Step 8



- Clean and lubricate the magnet shaft and mounting brackets
 - ⓘ Any medium or low viscosity lubricant will do.

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