DJI Spark Cooling Fan Replacement

Use this guide to replace a damaged or broken fan on your DJI Spark drone.

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INTRODUCTION

Use this guide to replace a damaged or broken fan on your DJI Spark drone.

This fan keeps the navigation, control, and camera components of the drone cool during flight. The fan may need to be replaced if it stops working due to wear or damage from foreign objects. This can be quickly diagnosed by noticing loud, raspy sounds, extra vibration, missing fan blades, or the drone quickly becoming hot. Typically, these issues will appear after a particularly hard crash.
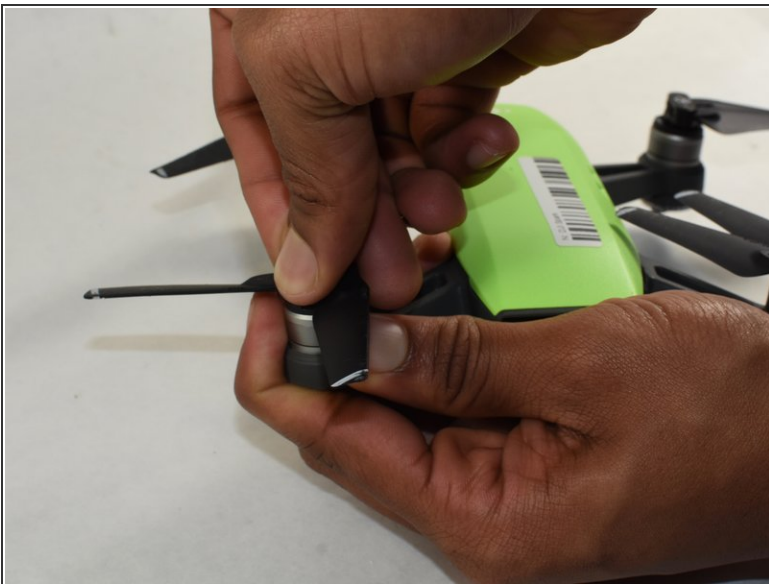
TOOLS:

- iFixit Opening Tools (1)
- 1.5mm Hex Screwdriver (1)

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Step 1 — Propellers

- Push down on the propeller that is being replaced.

Step 2

- Twist the propeller until it feels loose.

- Pull on it until it comes off.
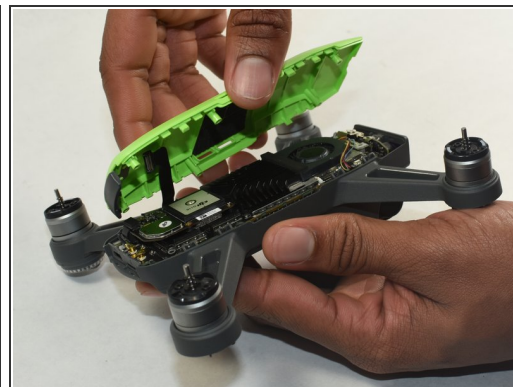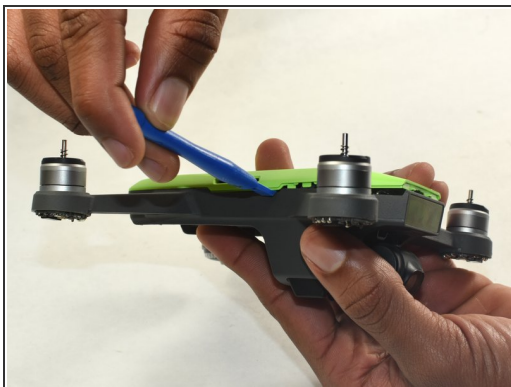
Step 3 — Battery

- Flip the drone over.

- Grip the left and right sides of the battery.

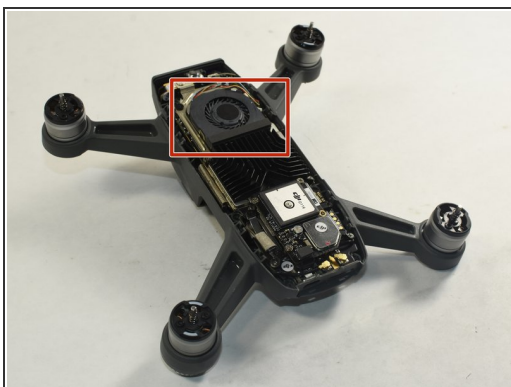- Slide firmly forward until it pops out.

Step 4 — Lid

- Flip the drone over.

- Remove the four 1.5mm Hex screws.

- Remove the two 1.5mm Hex screws near the camera head.

- ⓘ You may need to remove plastic nubs from the hex screws using a spudger first.
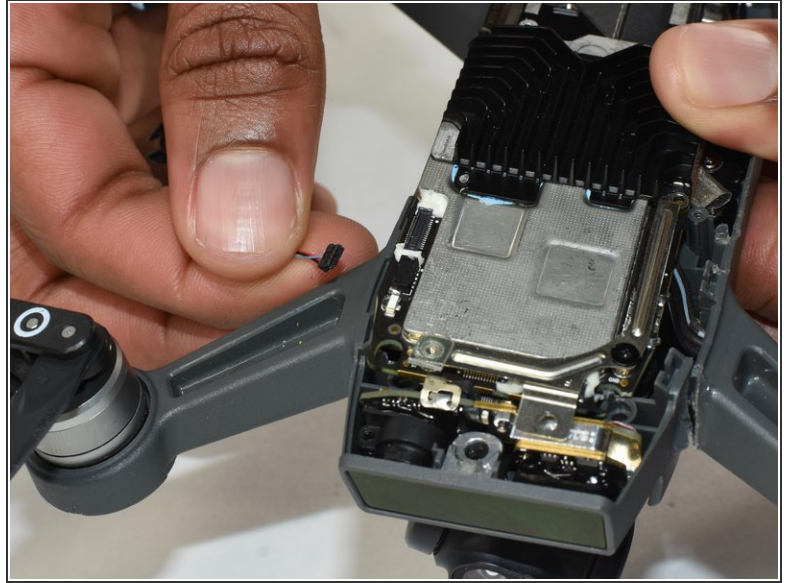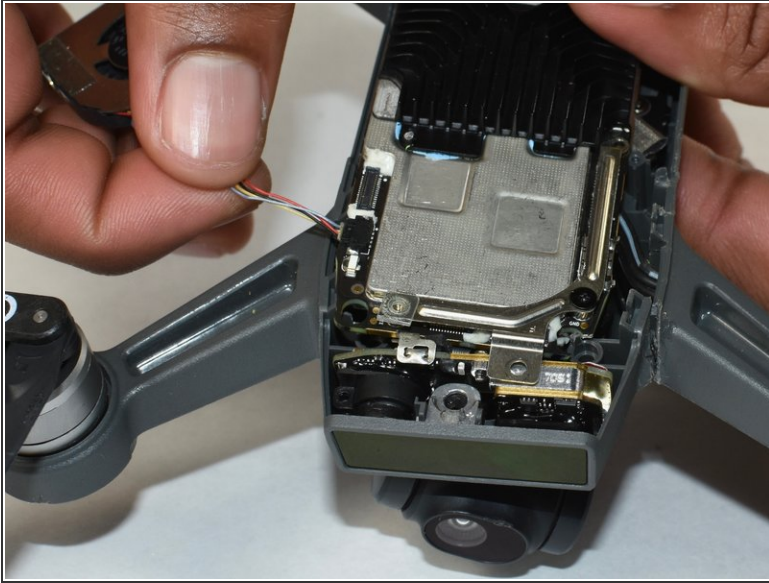
Step 5

- Hold the drone so the lid is facing up.

- Insert the plastic opening tool into the side of the drone.

- Slide the tool around the perimeter until you can lift the top off.

Step 6 — Cooling Fan

- Remove the fan.

- (i) It is attached to the motherboard with several pieces of adhesive.

Step 7

- Trace the fan wires to the side of the panel.

- Unplug the wire from its connector.

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