Anker 2.4G Wireless Mouse Sensor Replacement
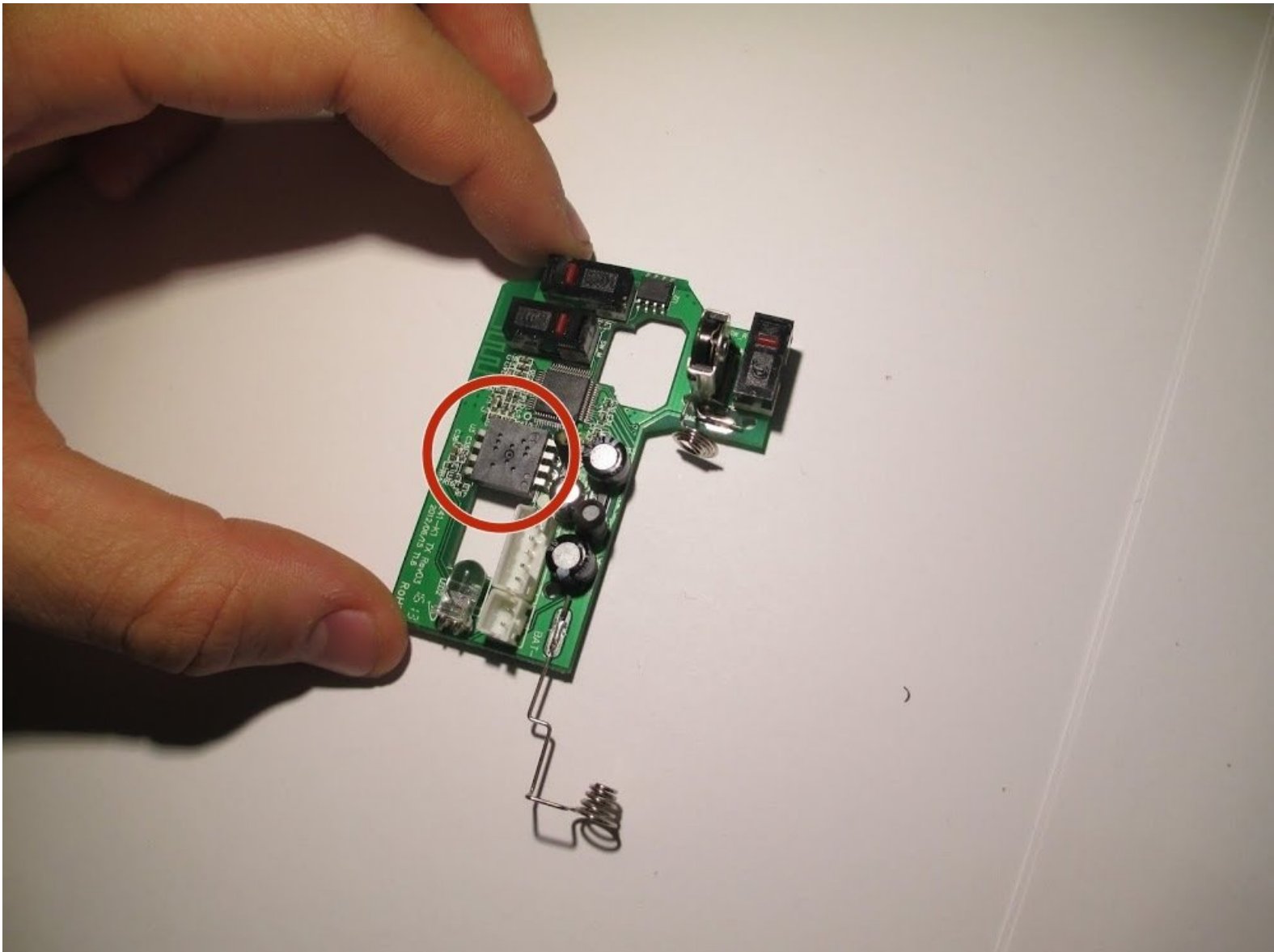
How to replace an Anker 2.4G Wireless Mouse sensor.

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INTRODUCTION

This manual shows how to simply replace the sensor on the Anker 2.4G wireless mouse. Before moving on with the first step, check the battery casing for any corrosion or visible damage. Beware, this guide requires use of a soldering iron which needs to be handled with caution. The instructions on how to solder can be found here How To Solder and Desolder Connections.

TOOLS:

- Phillips #0 Screwdriver (1)
- Soldering Workstation (1)
- Desoldering Braid (1)
- Small Plastic Spudger (1)
- Anti-Static Wrist Strap (1)

PARTS:

- IC chip (1)

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Step 1 — Sensor

- Using a spudger, carefully pry off the stickers to reveal the location of four screws.

Step 2

- Using your Phillips screwdriver, remove the four screws.

Step 3

- Using a spudger, carefully pry apart the upper and lower housing of the mouse.

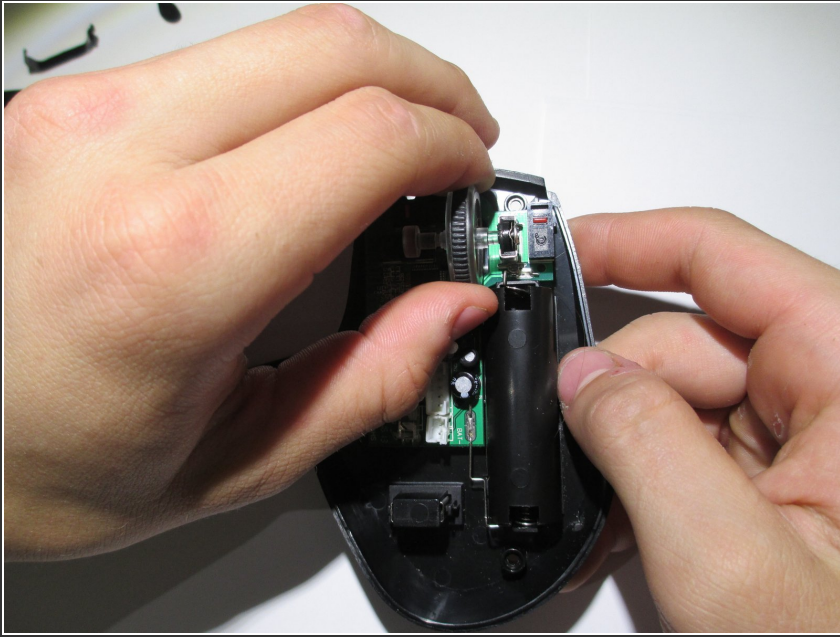- (i) Make sure you are not using too much pressure, as you could warp the plastic.

Step 4

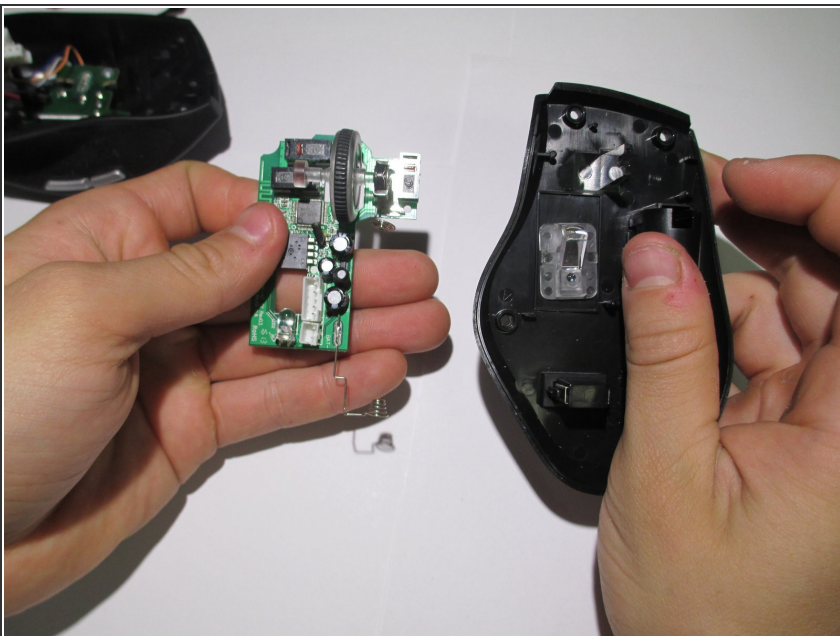- Disconnect the wires from the white crimping headers.

- ⚠ Pull as far up on the wire as possible, but be careful to avoid ripping the wires.
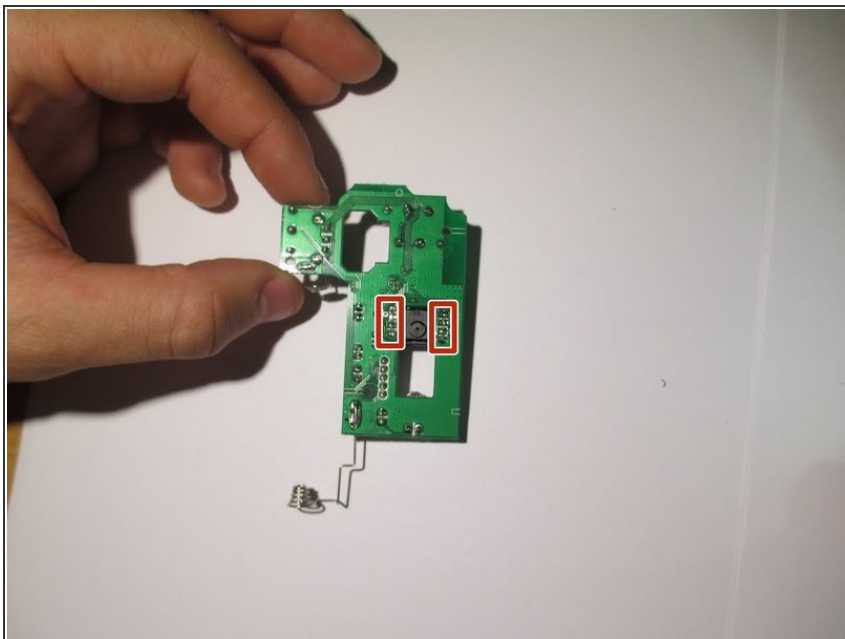
Step 5

- Remove the scroll wheel from the motherboard by pulling it to the left.

- ⓘ This may take some force to remove. Make sure to pull it parallel to the board, instead of perpendicularly.

Step 6

- Gently lift the motherboard away from the plastic housing.

  - ⓘ Use an [iFixit grounding strap](#) or another antistatic measure to prevent sensitive components from electrostatic discharge during this step.

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Step 7

- Desolder the six wires holding the I.C. in place to complete the sensor change.

- 📌 Replace the broken sensor with the new sensor and solder back in place.

- ⓘ Make sure none of your solder connections are bridged as this can cause serious damage to your mouse.

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