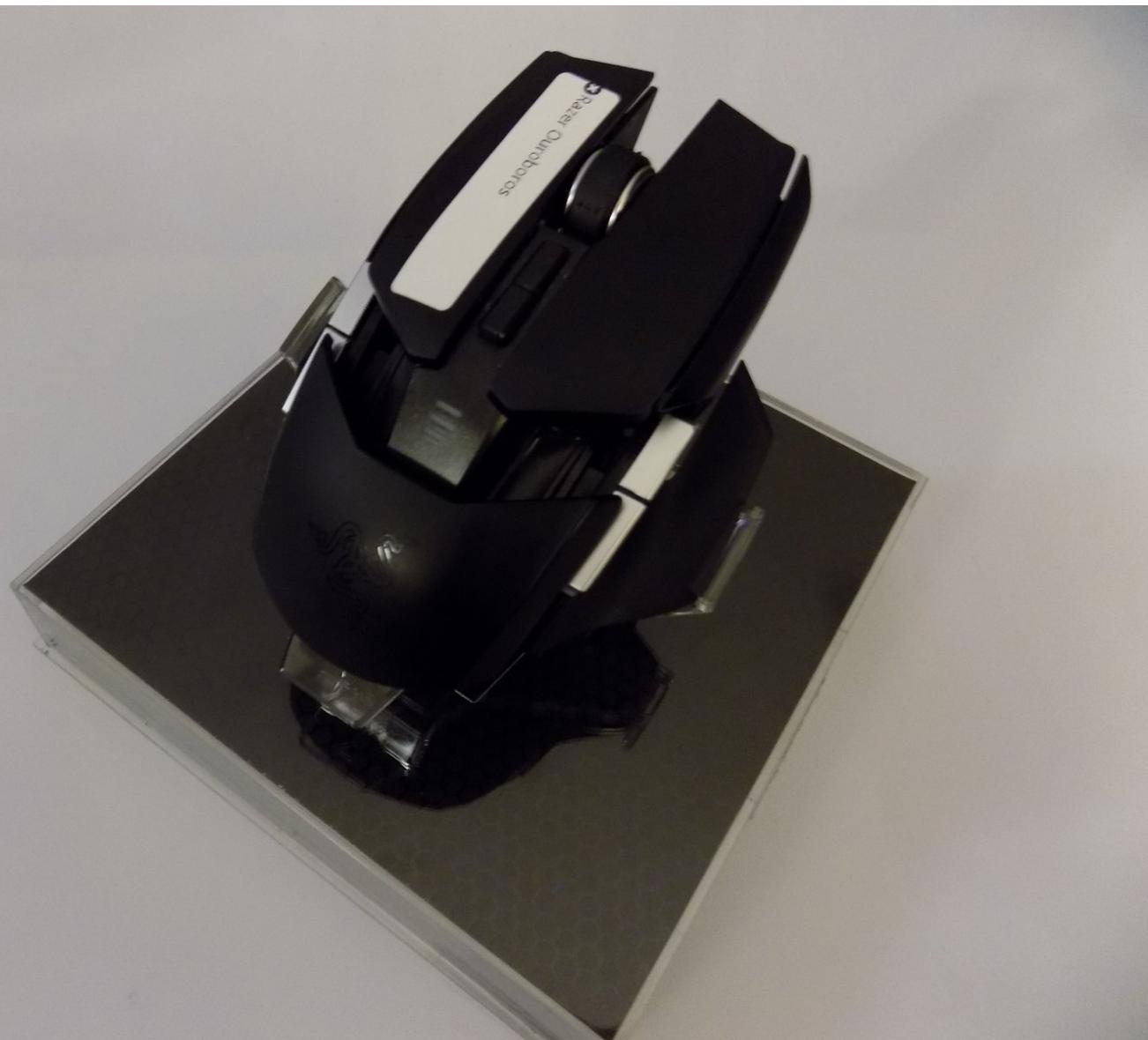




Razer Ouroboros Microswitch Replacement

This guide shows how to replace the micro switch on the Razer Ouroboros.

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INTRODUCTION

This guide can be used to take the Razer Ouroboros apart to get to the micro switch. you will need a soldering iron to complete this.

TOOLS:

- Phillips #00 Screwdriver (1)
- Phillips #0 Screwdriver (1)
- T6 Torx Screwdriver (1)
- Metal Spudger (1)
- Tweezers (1)
- Soldering Iron (1)

PARTS:

- OMRON D2FC-F-7N (1)

Step 1 — Scroll Wheel



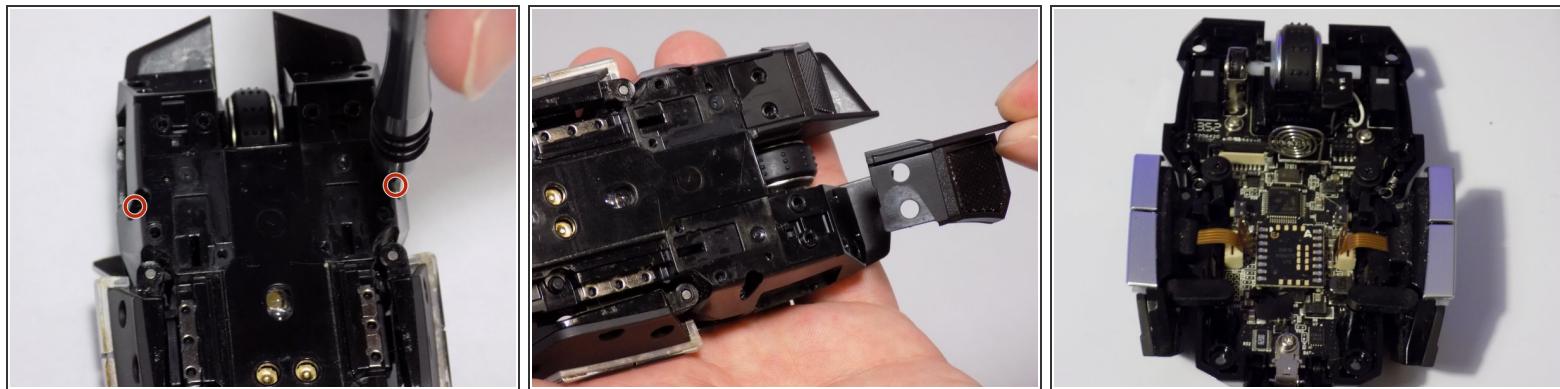
- Use a Phillips #00 screwdriver to loosen the two captive screws from the bottom of the mouse.
- Slide the palm rest out of place.

Step 2



- Remove all of the stickers on the back of the mouse. After doing so, you should see six screws on the back of the mouse.
- Use the Phillips #0 Screwdriver to remove all six of these 4mm screws.
- Use the Phillips #00 Screwdriver to remove these two, 3mm screws.
- Slide the side panels off of the mouse.
- Use your tweezers to take the lock switches off of the mouse.
- Using the T6 Torx screwdriver, remove the two bottom 4mm screws as indicated in the second picture.

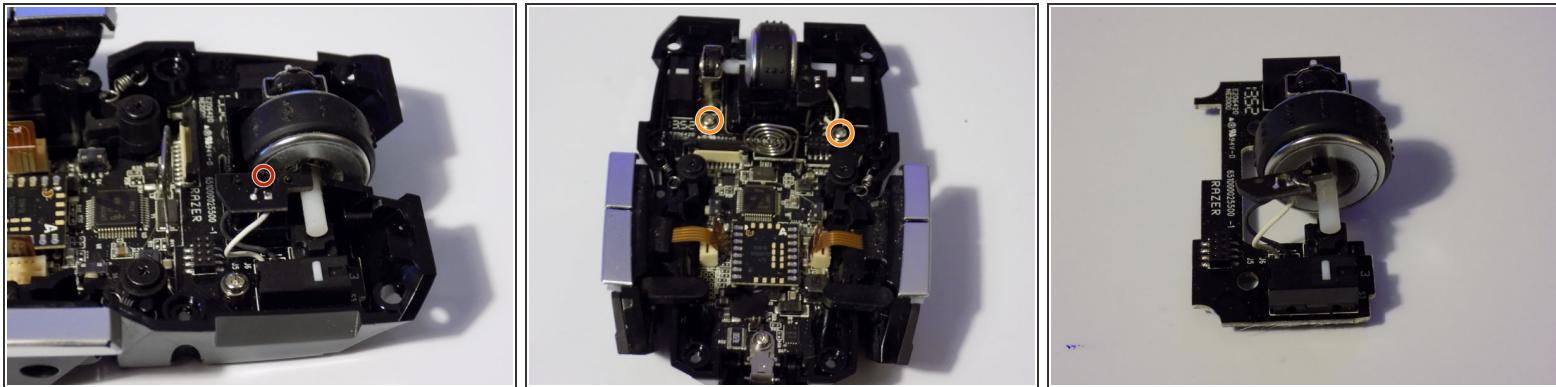
Step 3



- Using the T6 Torx screwdriver, remove the two 4mm screws hidden in the deep holes indicated in the first picture.
- Slide the top panels off of the mouse.
- Flip the mouse over, and the mouse casing should come off.

⚠ There are some connectors connecting the casing to the motherboard. They should slide off. Just be careful not to break them.

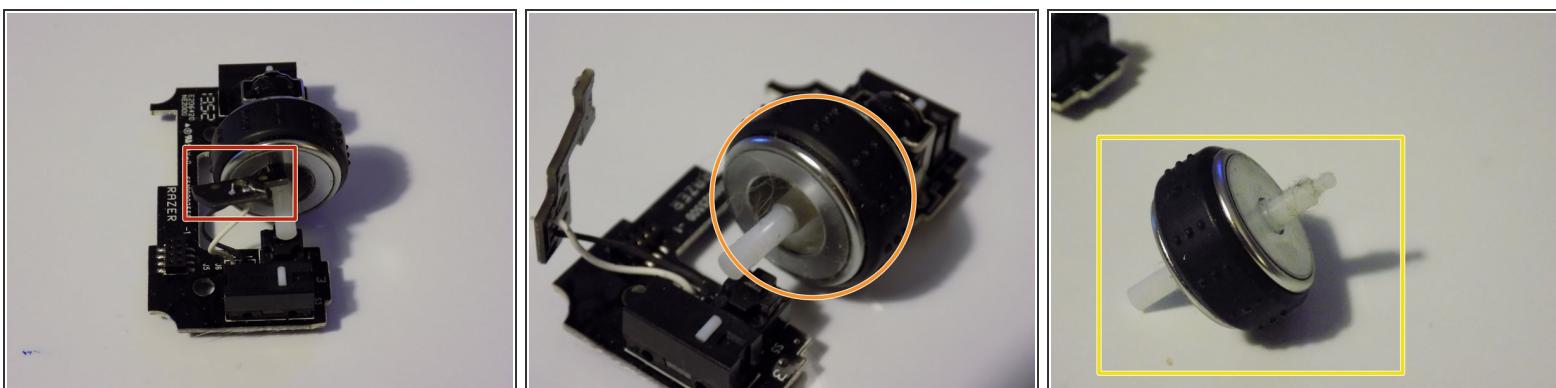
Step 4



- Locate the 4mm screw indicated in the first picture, use a Phillips #00 Screwdriver to remove it.
- Locate the two 4mm screws in the second picture, and remove those two with a Phillips #0 Screwdriver.
- Now, you may remove the board that holds the scroll wheel and its components. Simply slide the wheel out and replace it.

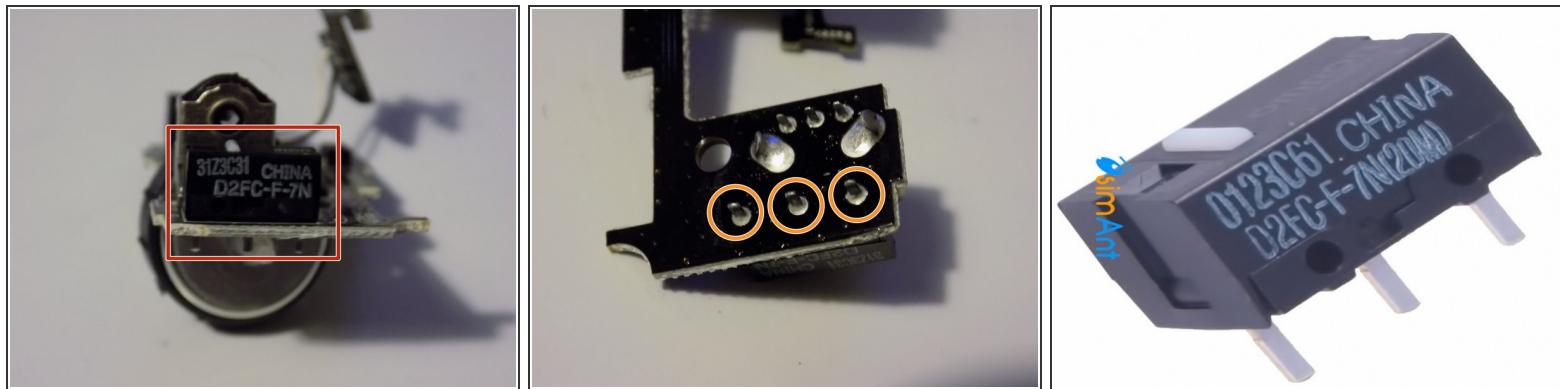
 Take note of the orientation in the final picture so that you can place the wheel back correctly into its mechanism.

Step 5 — Microswitch



- Carefully remove the circuit board that is inside the scroll wheel.
- Pull the scroll wheel off the board.
- Place the scroll wheel in a safe location.

Step 6



- When you get to this point look at your micro switch to check that this is exactly the same.
- If this is your first time soldering I would recommend watching this iFixit guide. [How To Solder and Desolder Connections](#)
- Now de solder the 3 pass through post continue pulling the micro switch away from the circuit board
- Replace and solder the micro switch to the circuit board.

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