



Microsoft Wireless Mobile Mouse 4000

Teardown

This includes a full teardown of the mouse. All components of the device are detailed and pictures are given of all relevant steps.

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INTRODUCTION

For this teardown you should have a small phillips screwdriver a flathead screwdriver or some other kind of prying device. A 3mm phillips screwdriver will work for all of the screws in this teardown.

Note: This teardown does not include removing any components from the internal PCB.

TOOLS:

- **Phillips #1 Screwdriver** (1)
- **Spudger** (1)

Step 1 — Remove Battery



- Undo the bottom battery clip and remove any AA battery within.
- Remove the USB receiver if stored
- The device should look as pictured.

Step 2 — Remove Bottom Rubber Traction



- Using your prying device, pick at the corner of the lower rubber traction pad on the bottom of the device.
- Pull this traction pad off to reveal the screw underneath.
- Unscrew this middle screw using the small 3mm phillips screwdriver.
- Carefully disconnect the top click pads.

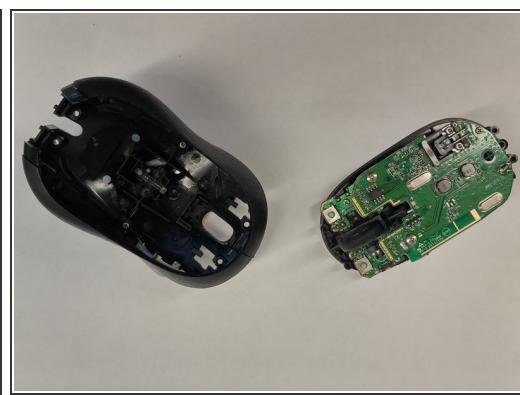
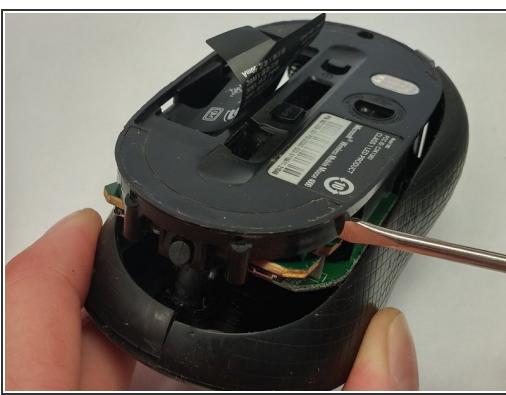
(i) Note: Moving each towards its corresponding outer edge makes this easier

Step 3 — Undo back clip piece.



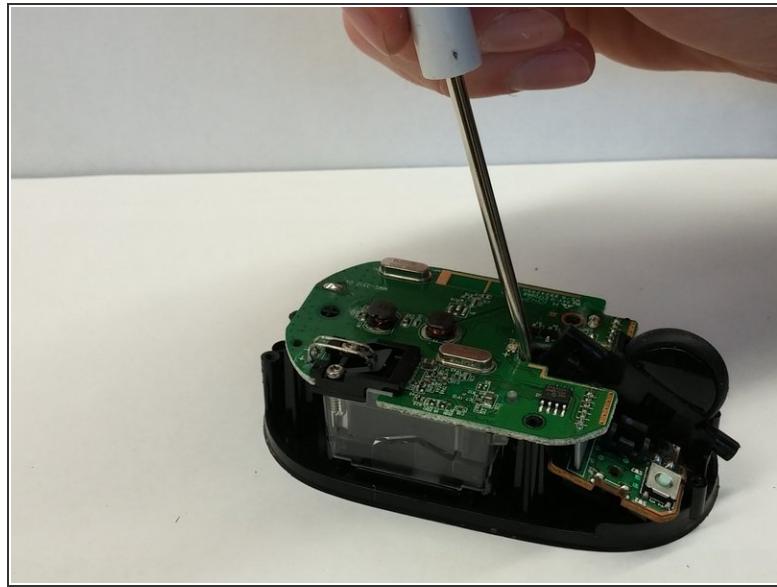
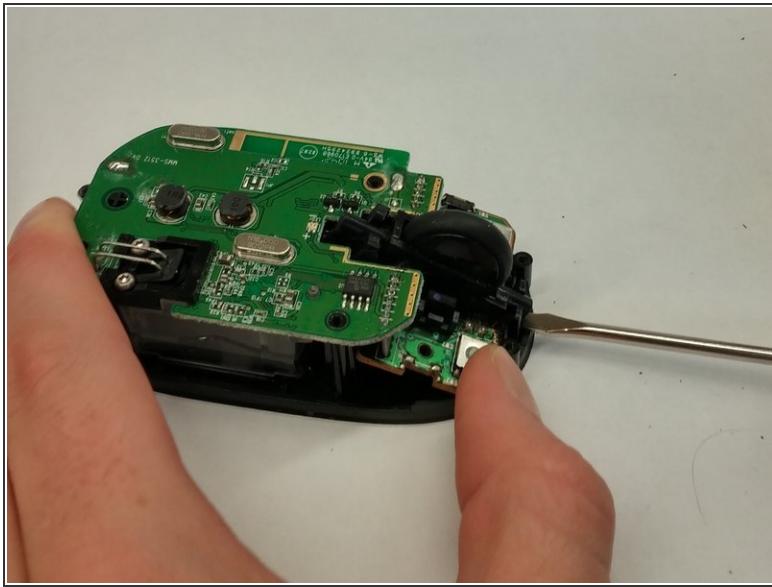
- Unscrew the two screws on the top front of the device.
- Using prying tool undo the back clip piece shown.

Step 4 — Separate top and bottom halves



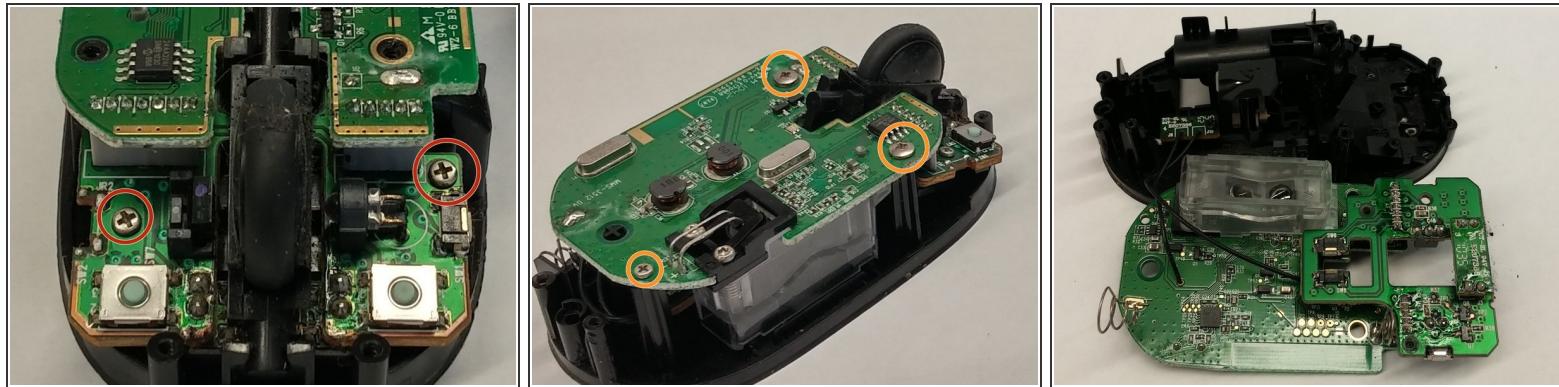
- Remove two screws in the top back of the mouse.
- Pry the top and bottom halves apart.
 - *(i)* This takes a little prying between the outer pieces, which are connected to the top half, and the plastic bottom half.
- The mouse should now have two separate parts as shown.

Step 5 — Remove click wheel



- Using prying tool press against the bottom of each side of the click wheel apparatus to cause it to snap out of place.
- *i* The end of the click wheel closest to the middle of the mouse is more difficult to remove and requires getting the prying tool down the gap to reach the spot where it is clipped in.

Step 6 — Separate PCB from bottom plastic guard

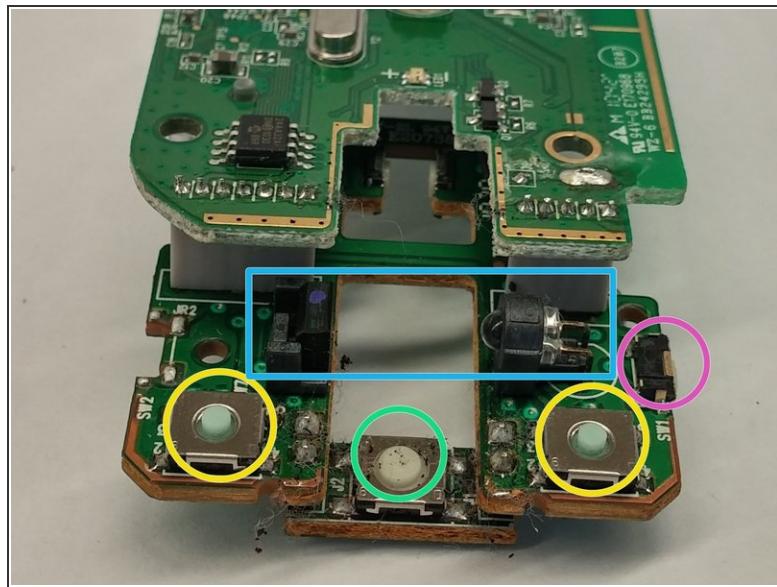
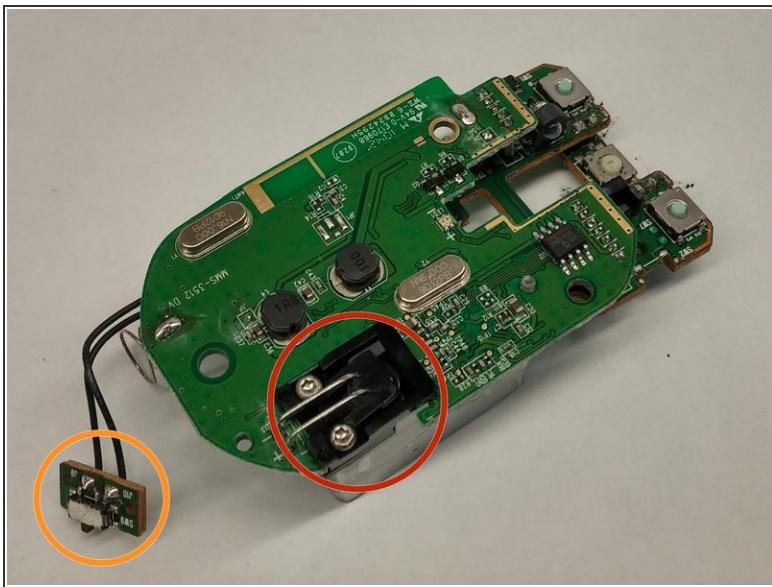


- Remove 2 Screws from either side of the click wheel on the lower tier of the PCB.
- Remove the 3 screws from the top tier of the PCB.

⚠ Do not separate the PCB from the plastic backing too fast. There is a separate small PCB screwed into the plastic backing which is connected to the main PCB with 2 wires.

- Remove the screw holding the small PCB to the plastic backing

Step 7 — PCB can now be removed



- Parts of the PCB are listed below and correspond to the colored circles on the pictures
- LED tracking apparatus
- Battery power receiving mechanism
- Left and Right Click Buttons
- Click Wheel Button
- Scroll wheel sensing apparatus
- Programmable Button