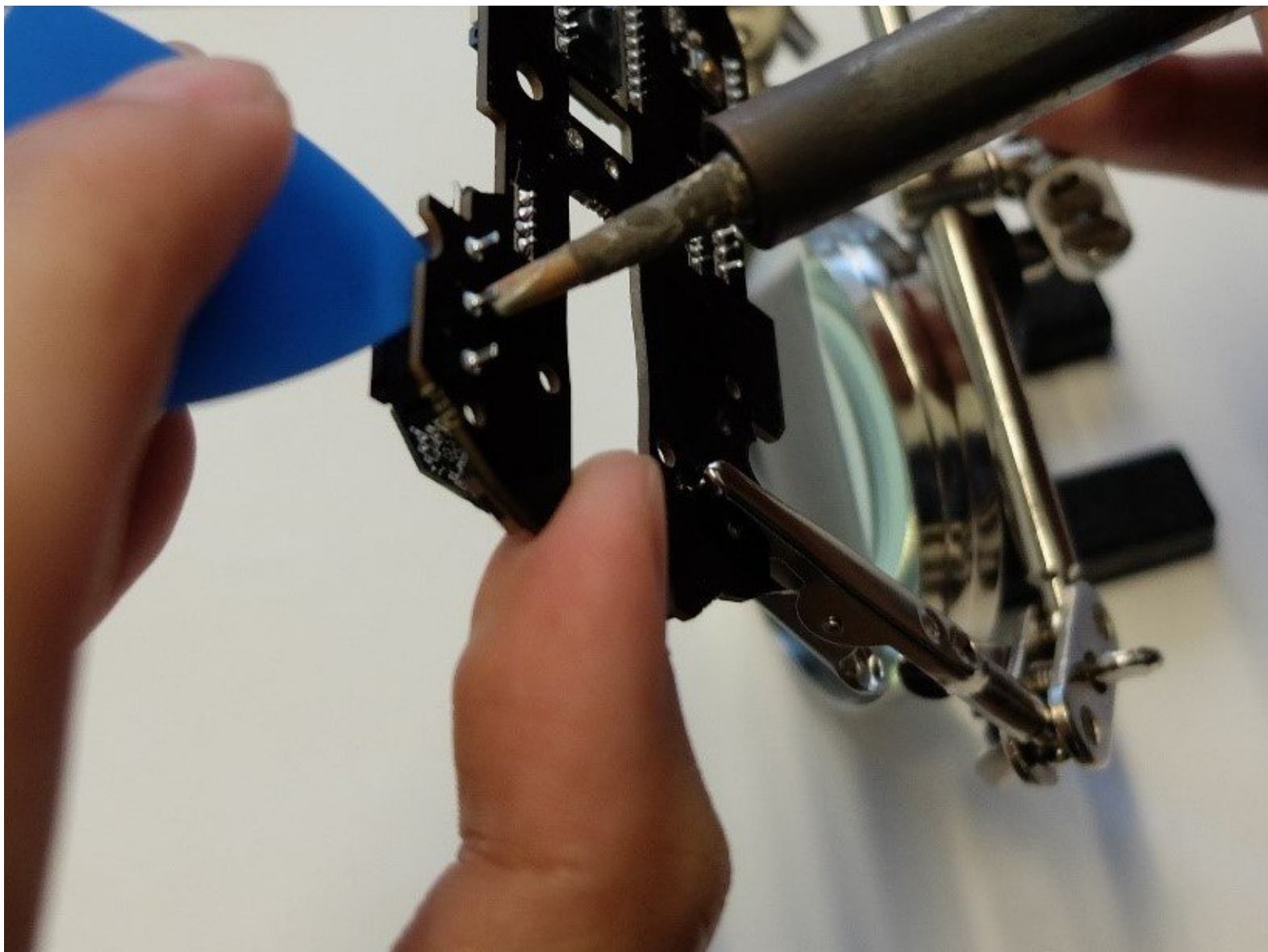




Razer Naga Trinity OMRON D2FC-F-K(50M) Micro Switch Replacement

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INTRODUCTION

If the right or left mouse button is not responsive, the micro switch might need replacement. This guide will list all required steps to properly replace the left and/or right mouse button micro switches from the Razer Naga Trinity.



TOOLS:

- [JIS #1](#) (1)
- [Phillips #000 Screwdriver](#) (1)
- [Anti-Static Wrist Strap](#) (1)
- [1 x Opening Picks](#) (1)
- [Spudger](#) (1)
- [Halberd Spudger](#) (1)
- [Tweezers](#) (1)
- [iFixit Opening Tools](#) (1)
- [Weller 5-Watt to 40-Watt Soldering Station](#) (1)
- [Harris 3 oz. Lead-Free Rosin Core Solder](#) (1)



PARTS:

- [OMRON D2FC-F-K\(50M\) Micro Switch](#) (1)
- [Corepad Skatez Replacement Mouse Feet](#) (1)

Step 1 — Razer Naga Trinity Disassembly



- Remove the interchangeable side plate.

Step 2



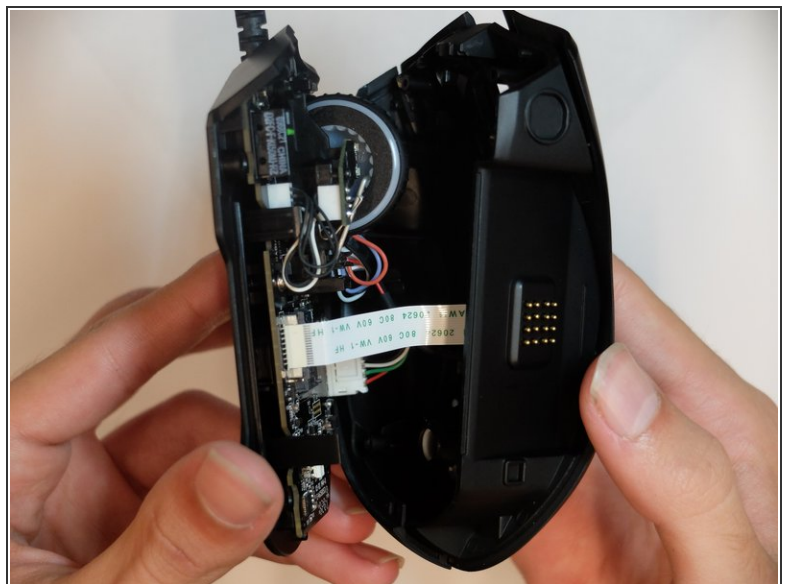
- Remove the mouse's feet using the opening pick.

Step 3



- Remove the four 6mm screws by using a JIS #1 screwdriver.

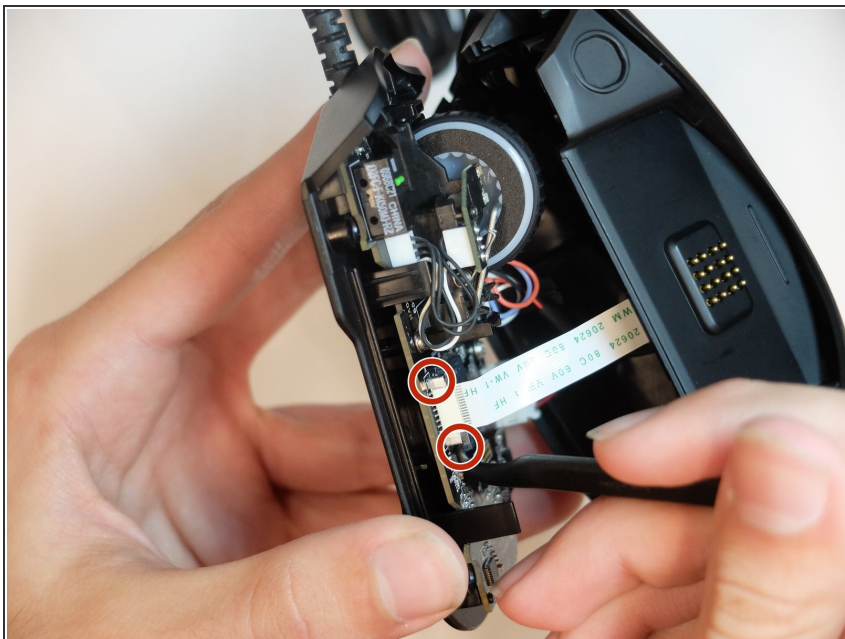
Step 4



- Separate the top mouse housing from the bottom mouse housing using the opening pick.

⚠ Be careful not to tug too hard on the ribbon connector.

Step 5



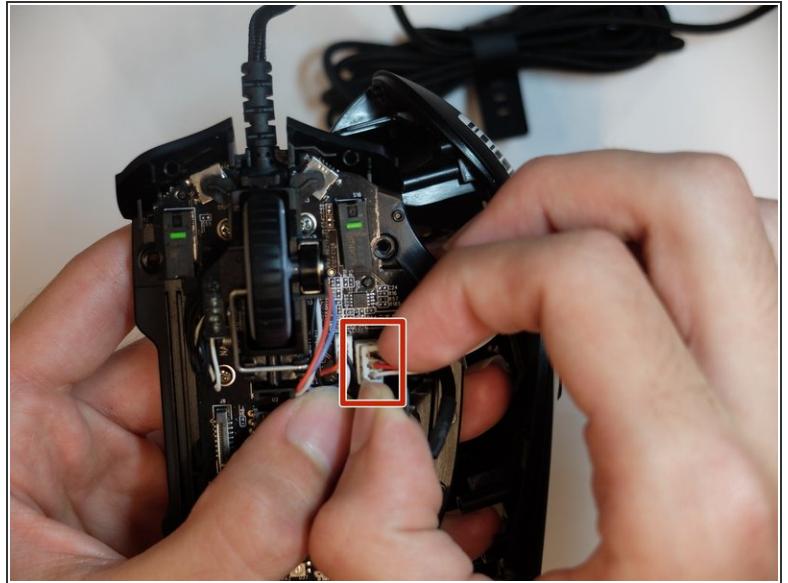
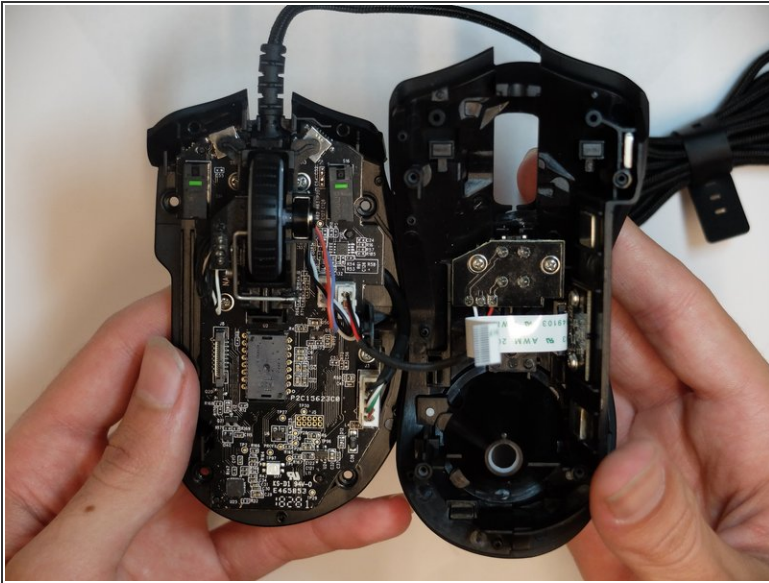
- Unlock the ribbon connector that is held down by the main board clips using the spudger's pointed end.

Step 6



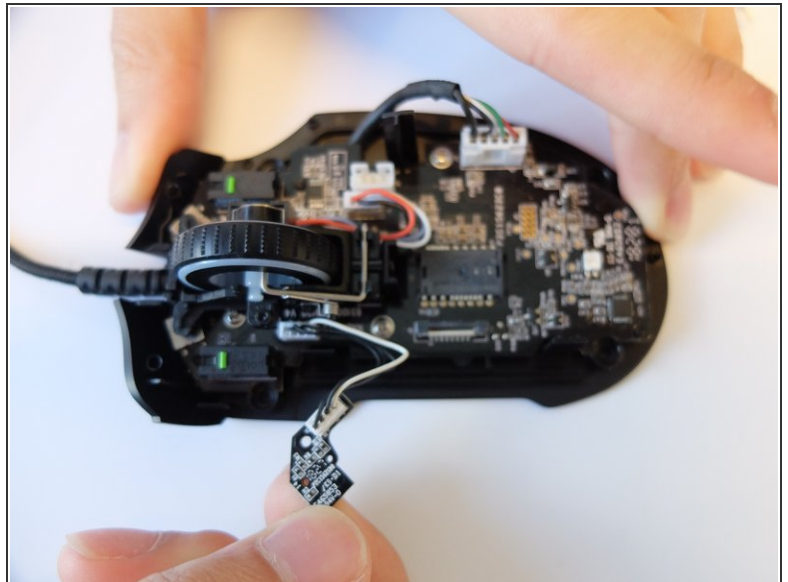
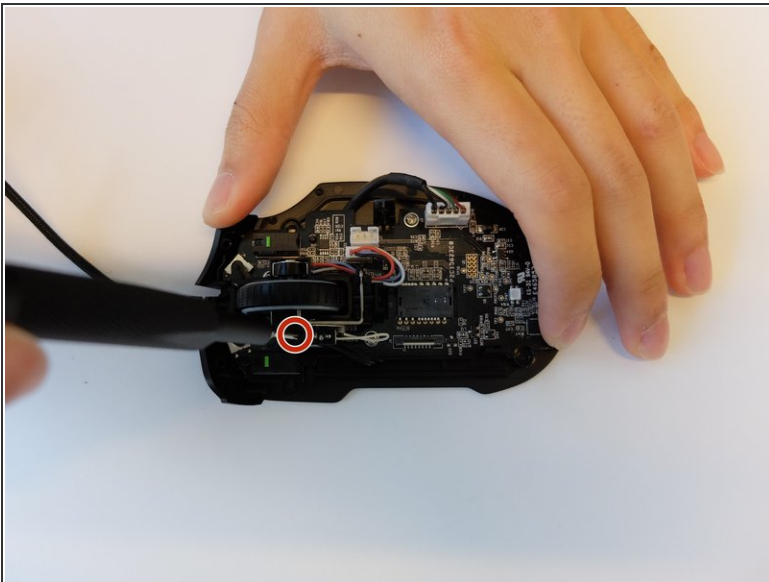
- Remove the side housing using the opening pick.

Step 7



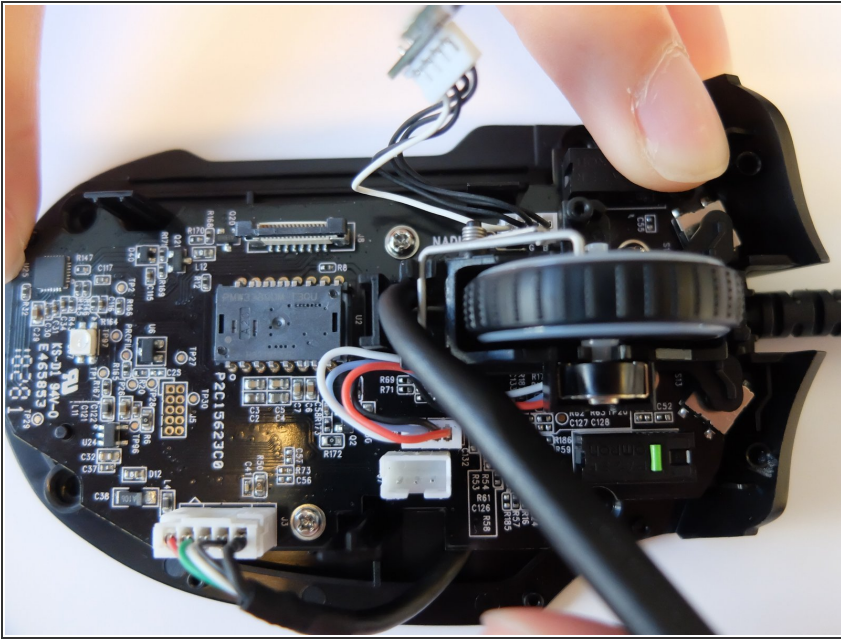
- Remove the top housing LED 3-Pin connector that is near the main board.

Step 8 — Scroll Wheel Housing



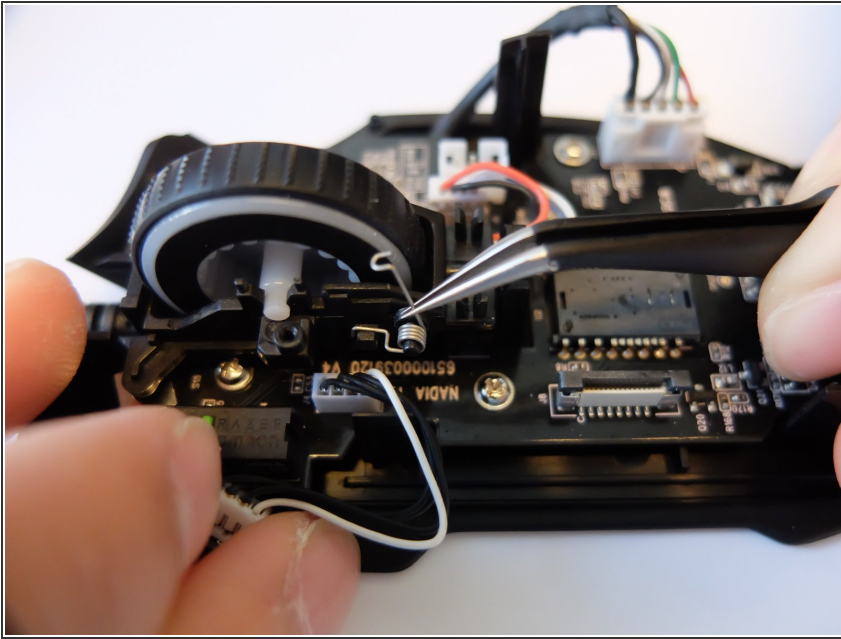
- Remove one 4mm black Phillips #000 screw from the left side of the mouse holding the scroll wheel LED controller board.
- Then pull the LED controller board upwards and out.

Step 9



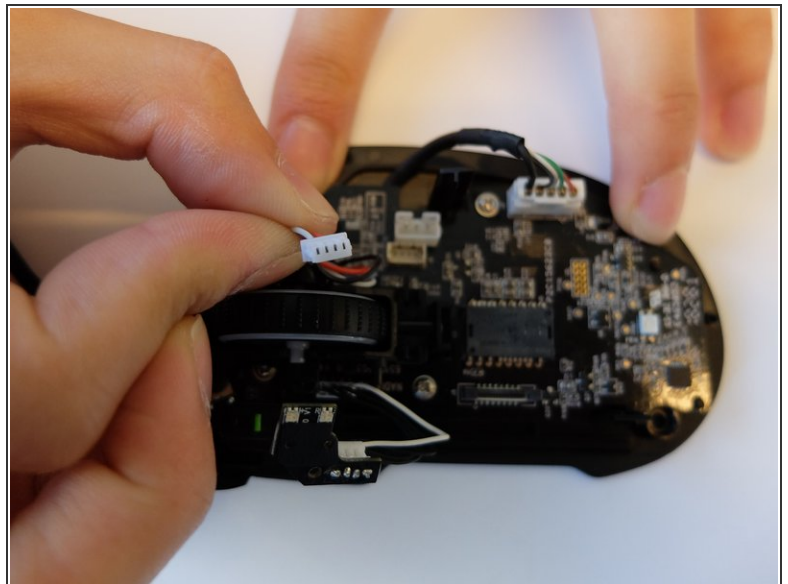
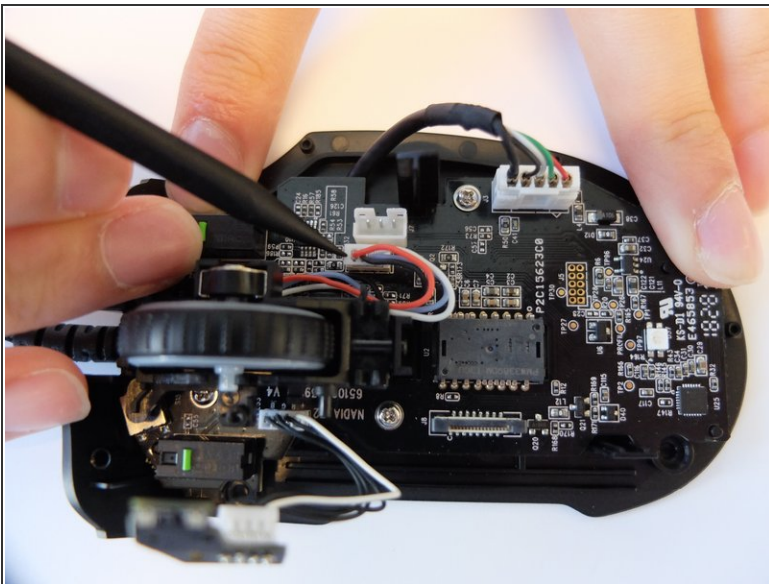
- Pry and remove the scroll wheel feedback bar from its hold-down clips using the hook end of a halberd spudger.

Step 10



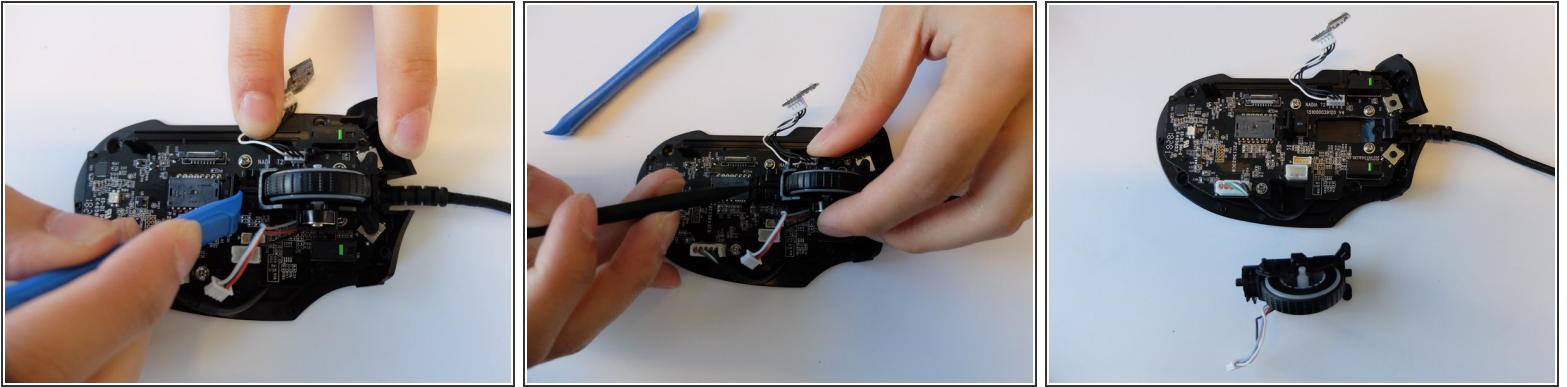
- Remove the scroll wheel feedback bar from the scroll wheel by holding down the spring and using angled tweezers to remove it from its placement.

Step 11



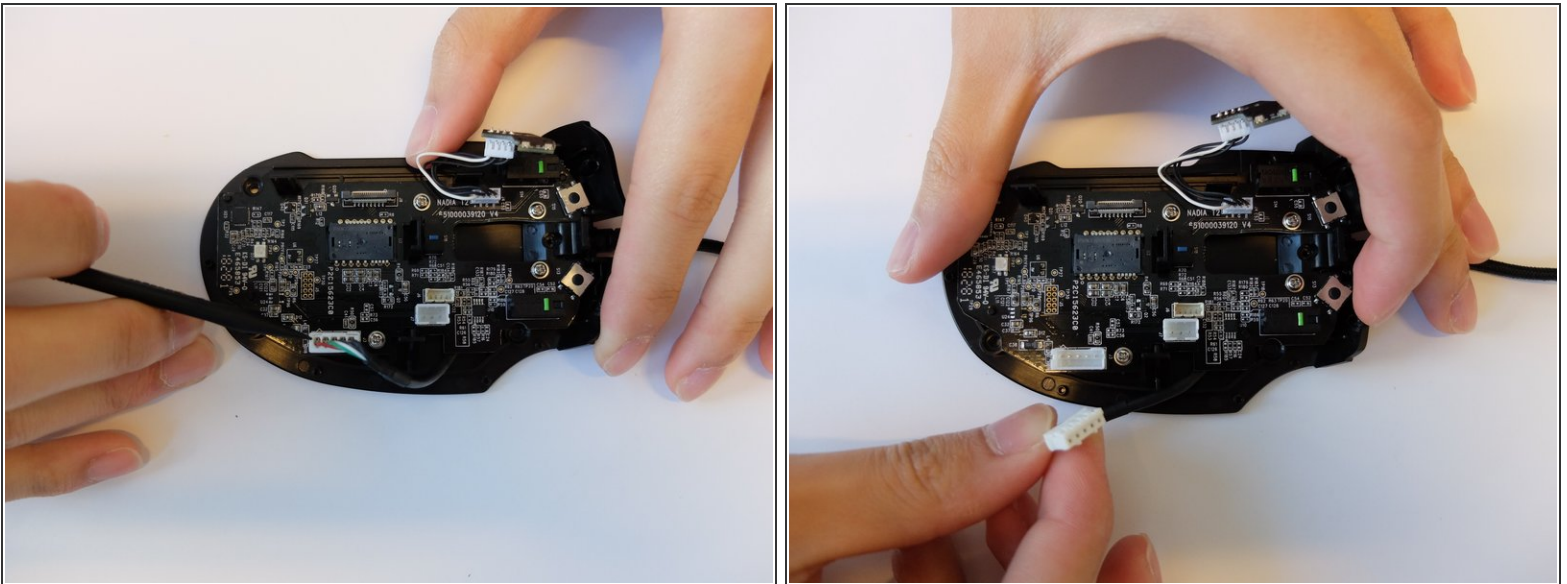
- Remove the scroll wheel optical encoder 3-pin connector from the main board by wiggling the connector upwards.

Step 12



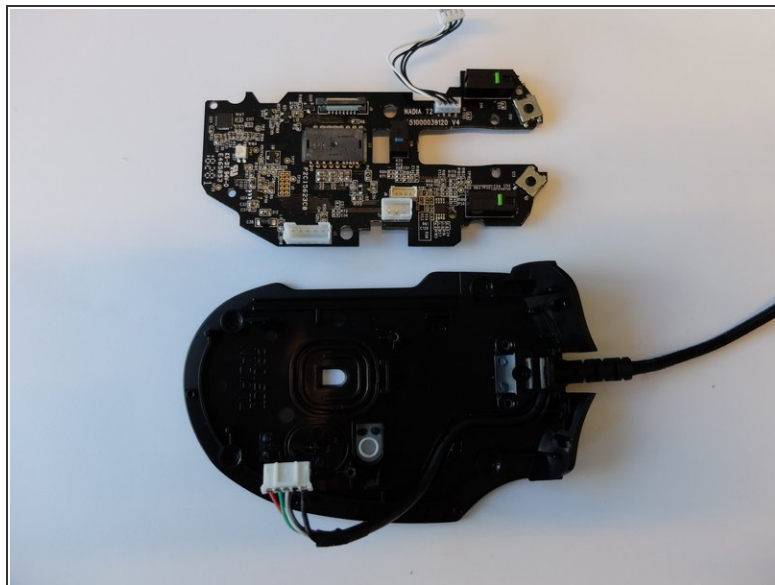
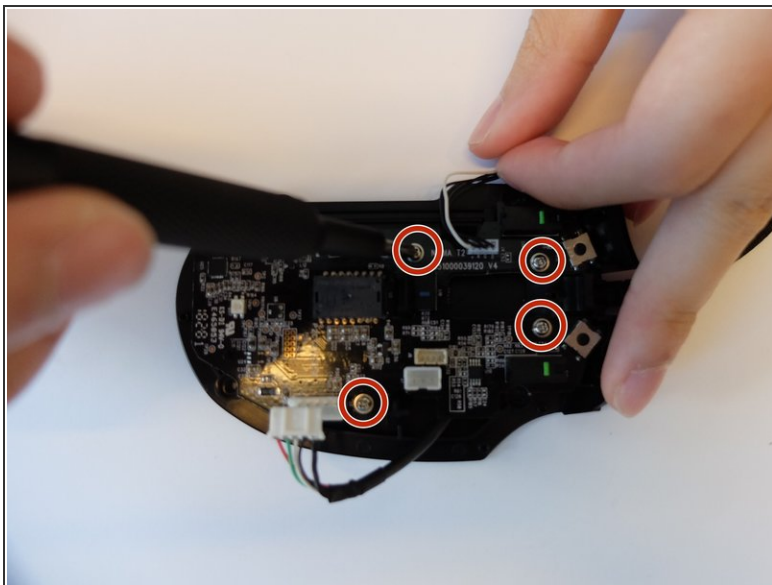
- Using the opening tool, pry the black bracket holding the scroll wheel in place backwards until the scroll wheel housing pops out.

Step 13 — OMRON D2FC-F-K(50M) Micro Switch



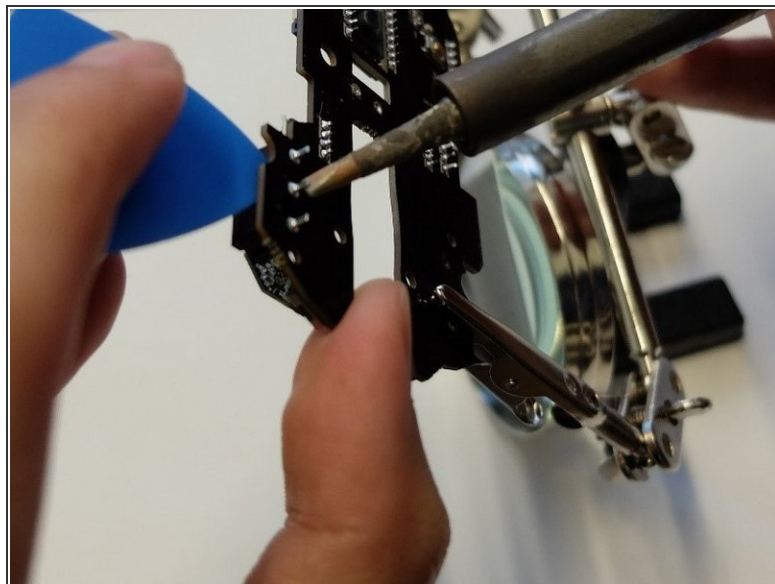
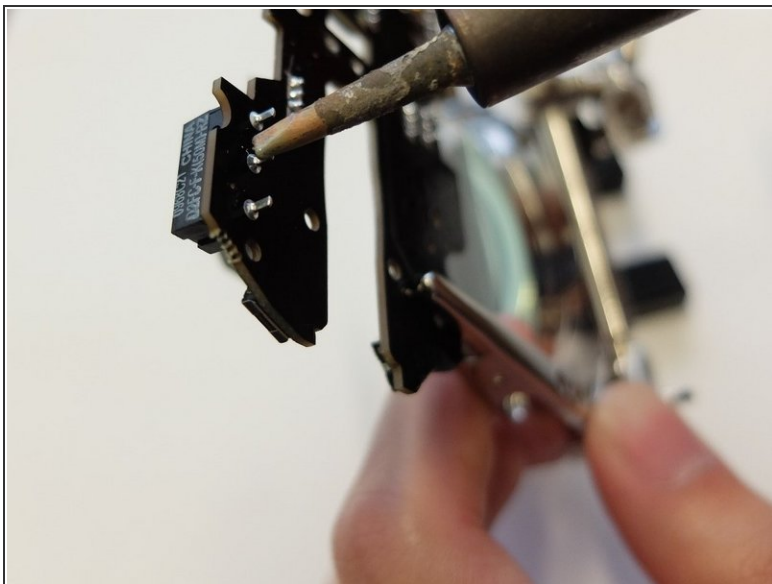
- Remove the USB Type A to 5-pin connector from the main board by pinching and pulling upwards.

Step 14



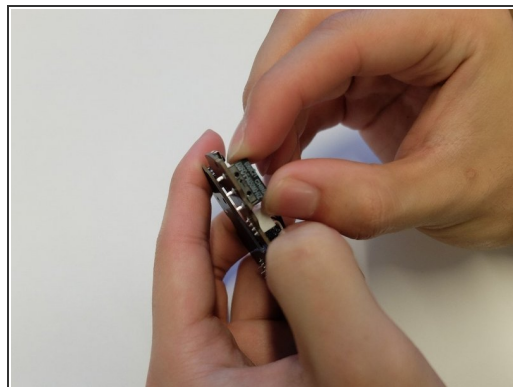
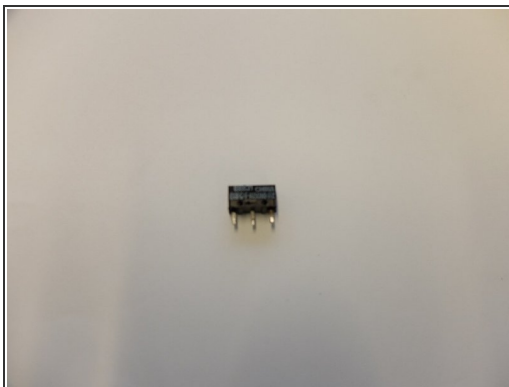
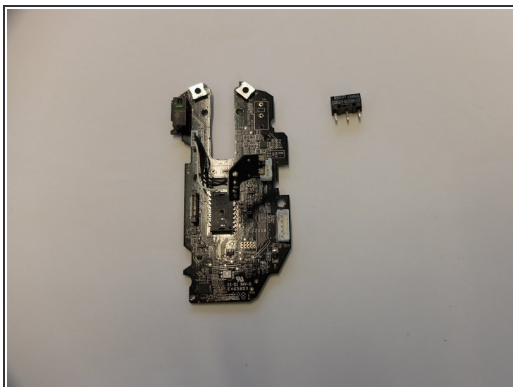
- Remove four 3mm JIS #1 screws holding the main board.

Step 15



- Place the tip of the soldering iron onto the micro switch contact pins.
- Work around the micro switch pins while prying the switch with an opening pick.

Step 16



- Remove and replace OMRON D2FC-F-K(50M) micro switch.
- ☑ Solder all three micro switch pins with soldering iron.
- Ensure the micro switch is bonded by performing a tug test.

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