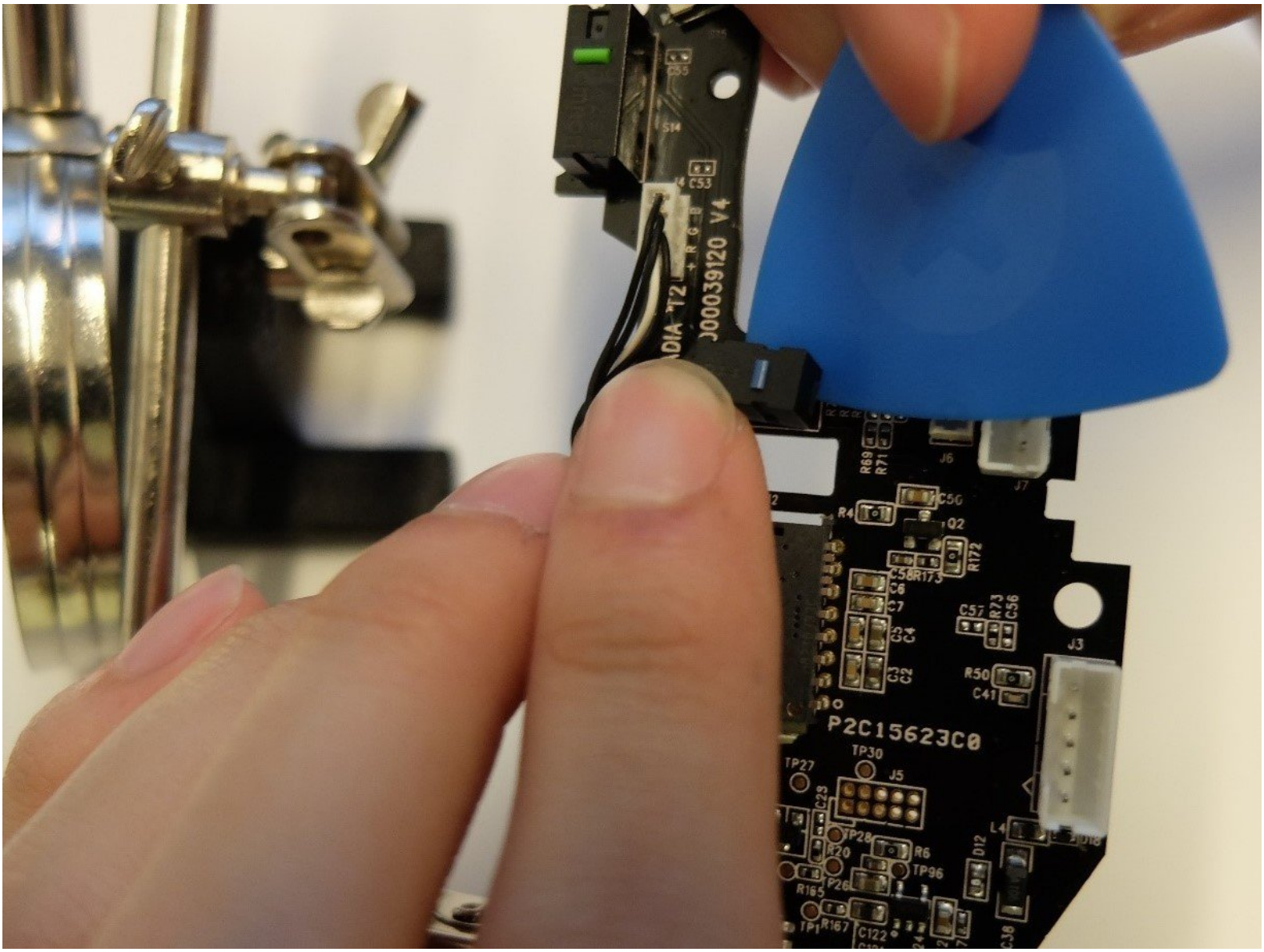
Razer Naga Trinity Scroll Wheel Click Switch Replacement

The middle mouse button is one of the least...

Written By: Victoria McKinney



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INTRODUCTION

The middle mouse button is one of the least used buttons in a mouse. If for some reason the middle mouse button is not responsive, the micro switch might need replacement. This guide will list all required steps to properly and safely replace the middle mouse button micro switch in the Razer Naga Trinity mouse.

TOOLS:

- JIS Driver Set (1)
- Phillips #000 Screwdriver (1)
- iFixit Opening Tool (1)
- iFixit Opening Picks (Set of 6) (1)
- Anti-Static Wrist Strap (1)
- Spudger (1)
- Halberd Spudger (1)
- Tweezers (1)
- Weller 5-Watt to 40-Watt Soldering Station (1)
- Harris 3 oz. Lead-Free Rosin Core Solder (1)

PARTS:

- OMRON D2 Subminiature Micro Switch (1)
- Corepad Skatez Replacement Mouse Feet (1)

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Step 1 — Razer Naga Trinity Disassembly

- Remove the interchangeable side plate.

Step 2

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

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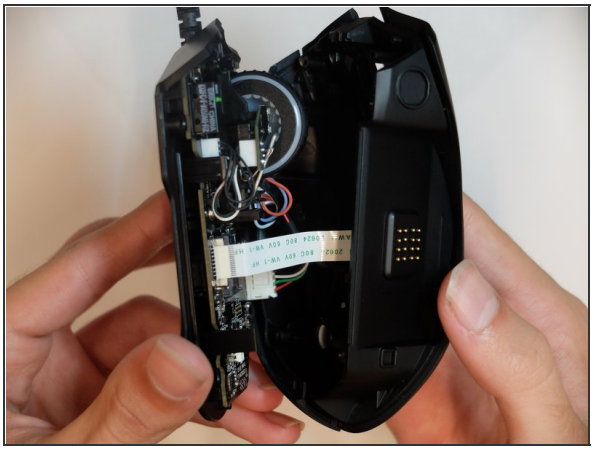
Step 3

- 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.

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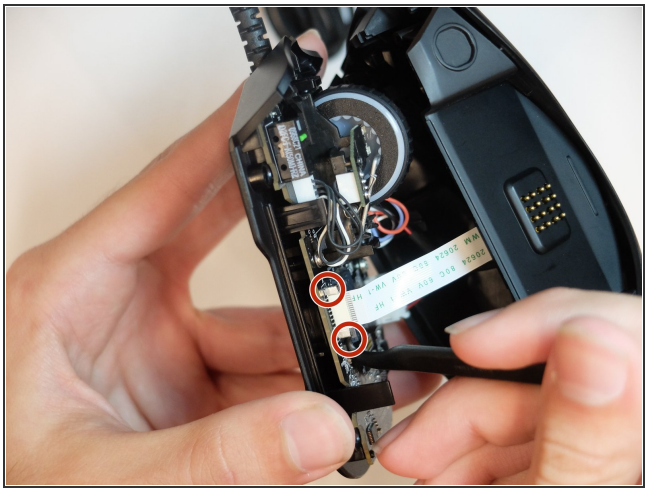
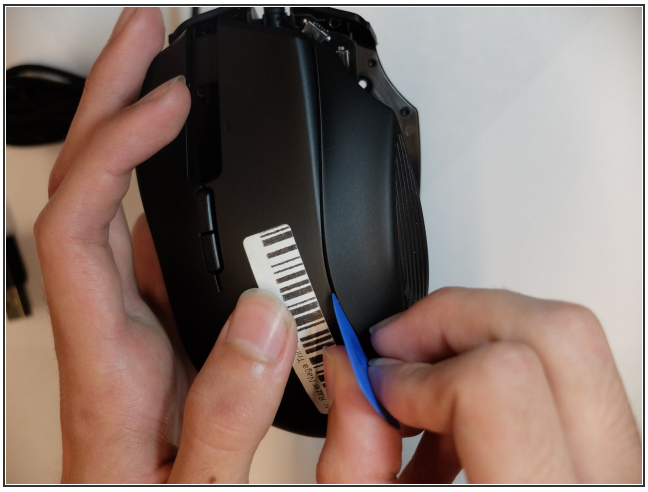
Step 5



- 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.

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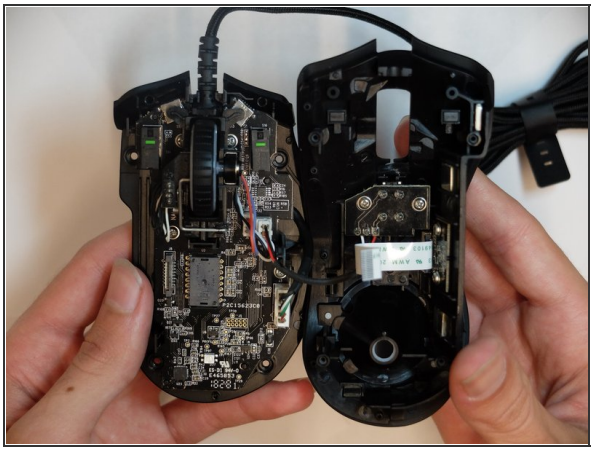
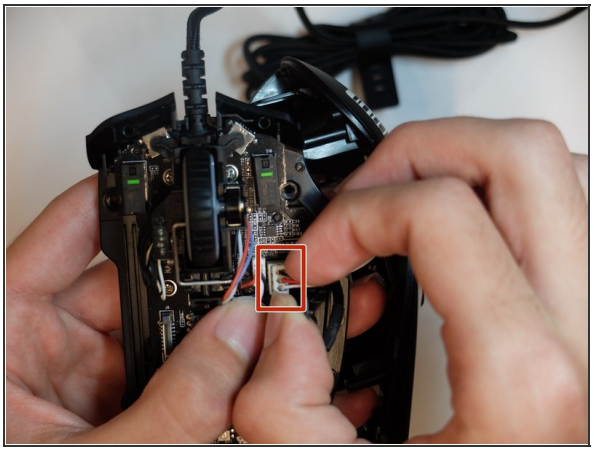
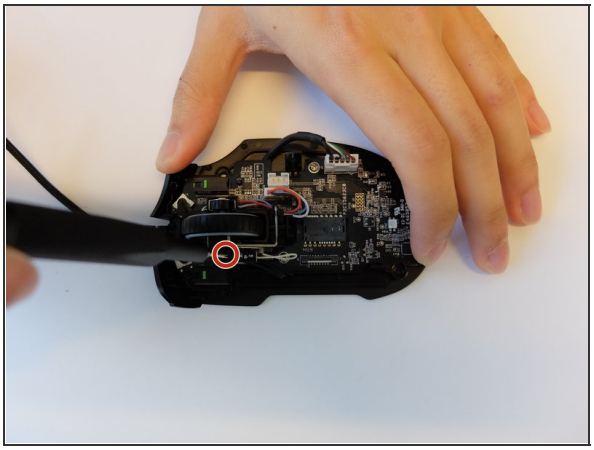
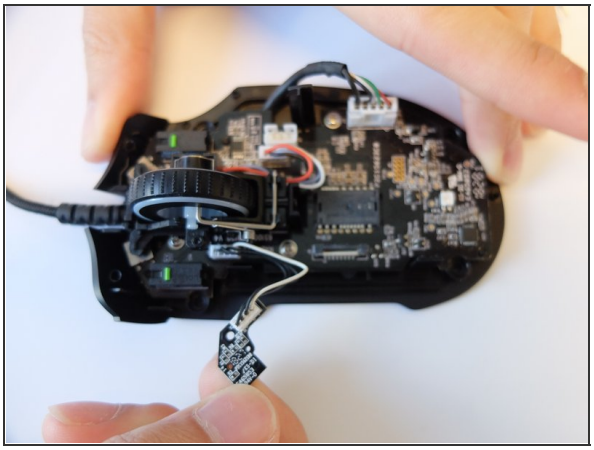
Step 7

- 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.

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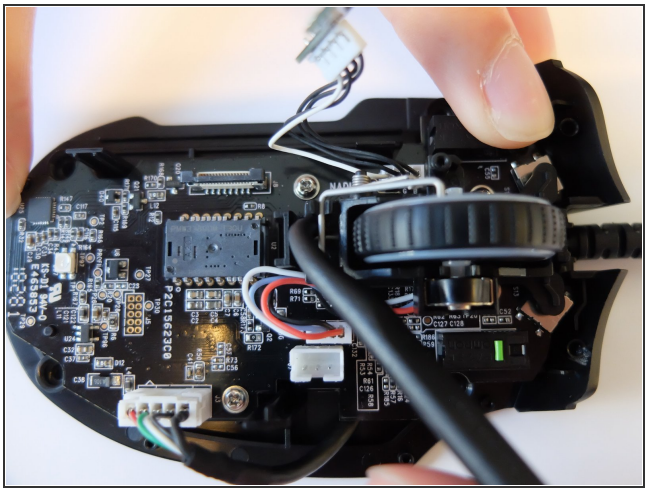
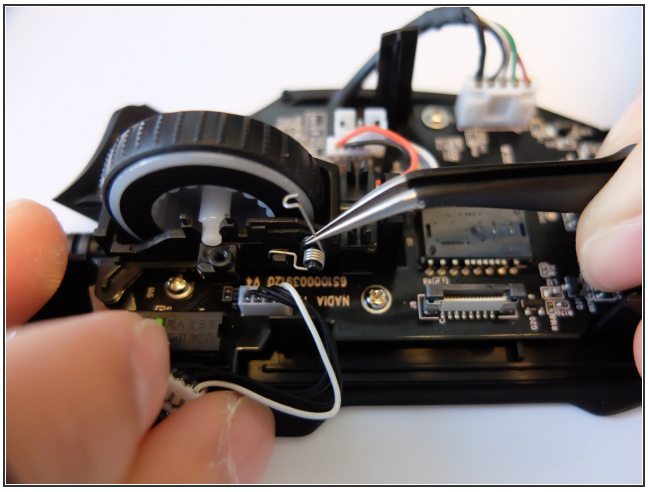
Step 9



- 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.

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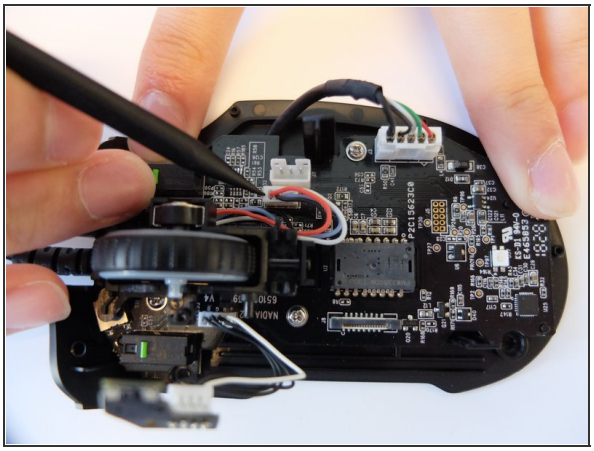
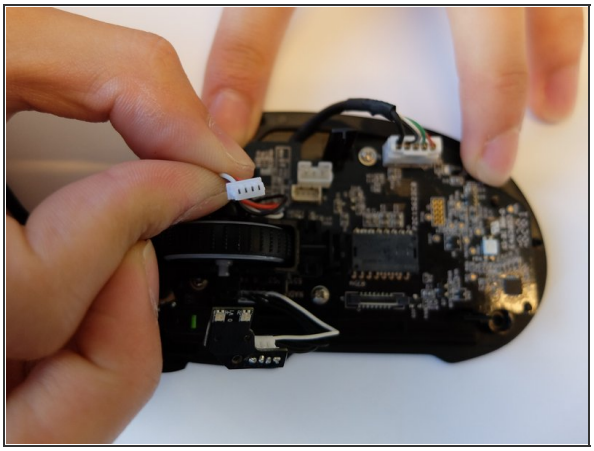
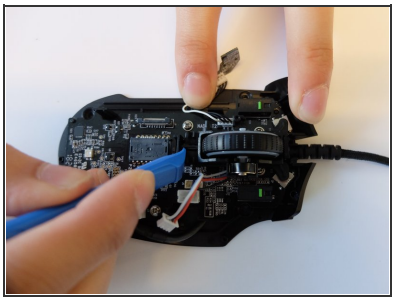
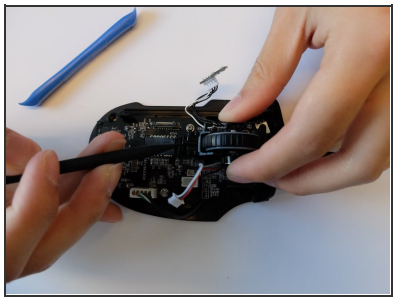
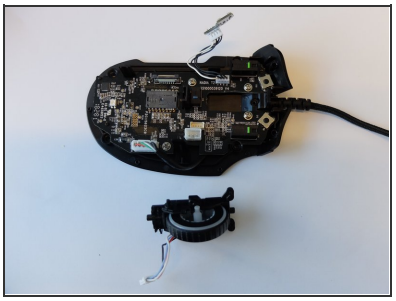
Step 11

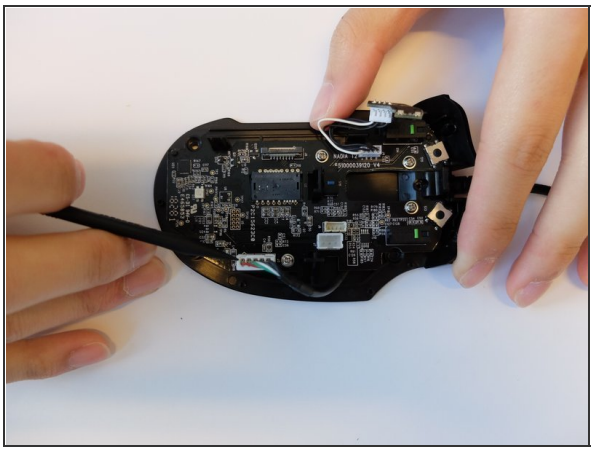
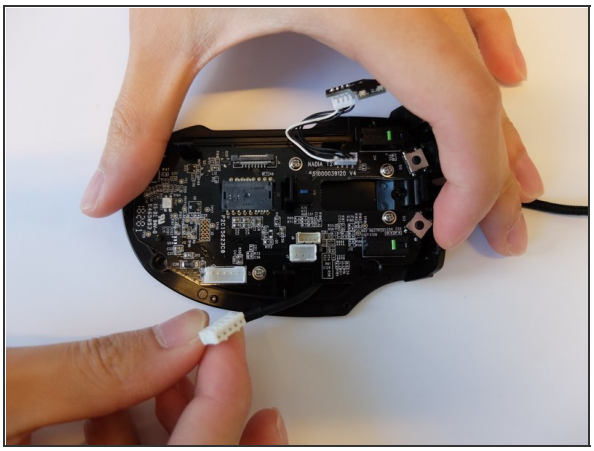
- Remove the scroll wheel optical encoder 3-pin connector from the main board by wiggling the connector upwards.

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 — Scroll Wheel Click Switch

- Remove the USB Type A to 5-Pin connector on the main board by pinching and pulling it upwards with your fingers.

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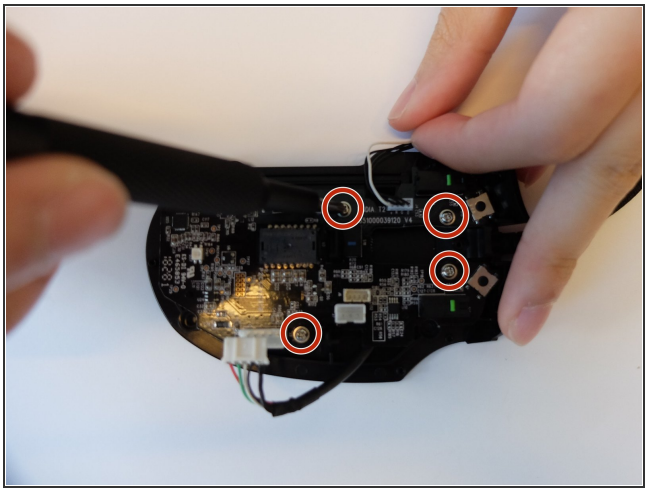
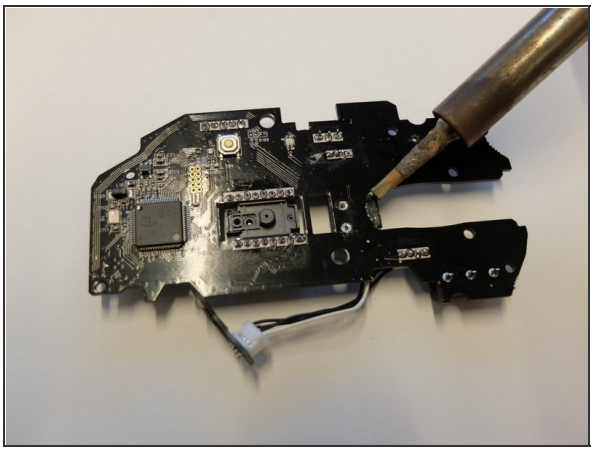
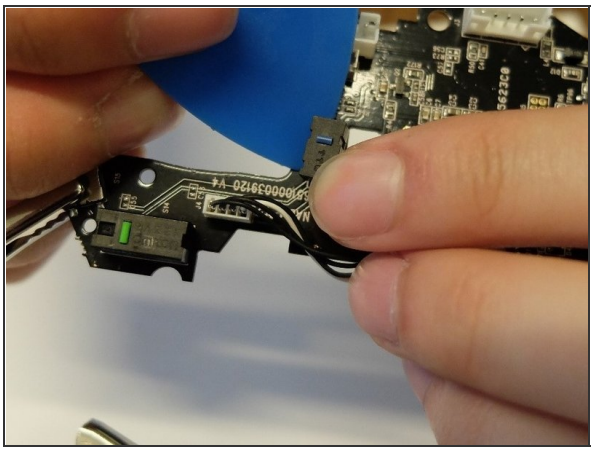
Step 14



- 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.

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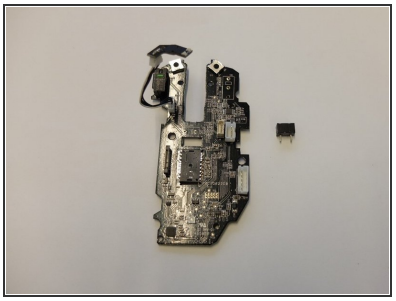
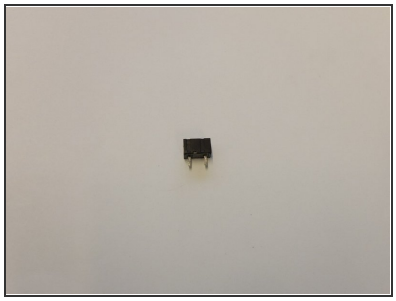
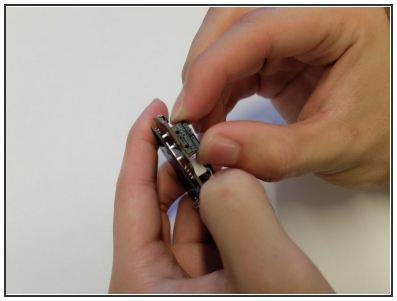
Step 16

- Remove and resolder the TTC subminiature micro switch.
- Solder the two micro switch pins to the board.
- Ensure the micro switch is bonded properly by performing a tug test.

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

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