



Logitech Anywhere Mouse MX Full Disassembly

Complete disassembly of the Logitech Anywhere Mouse MX

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 **TOOLS:**

- Phillips #0 Screwdriver (1)
- Phillips #00 Screwdriver (1)
- iFixit Opening Tool (1)

Step 1 — Opening the case



- Some earlier variants of the Anywhere Mouse have a matte finish on the buttons. It is unknown if the internal construction differs from this later, shiny button version.

Step 2 — Opening the case



- Open the battery cover and remove the batteries.

Step 3 — Opening the case



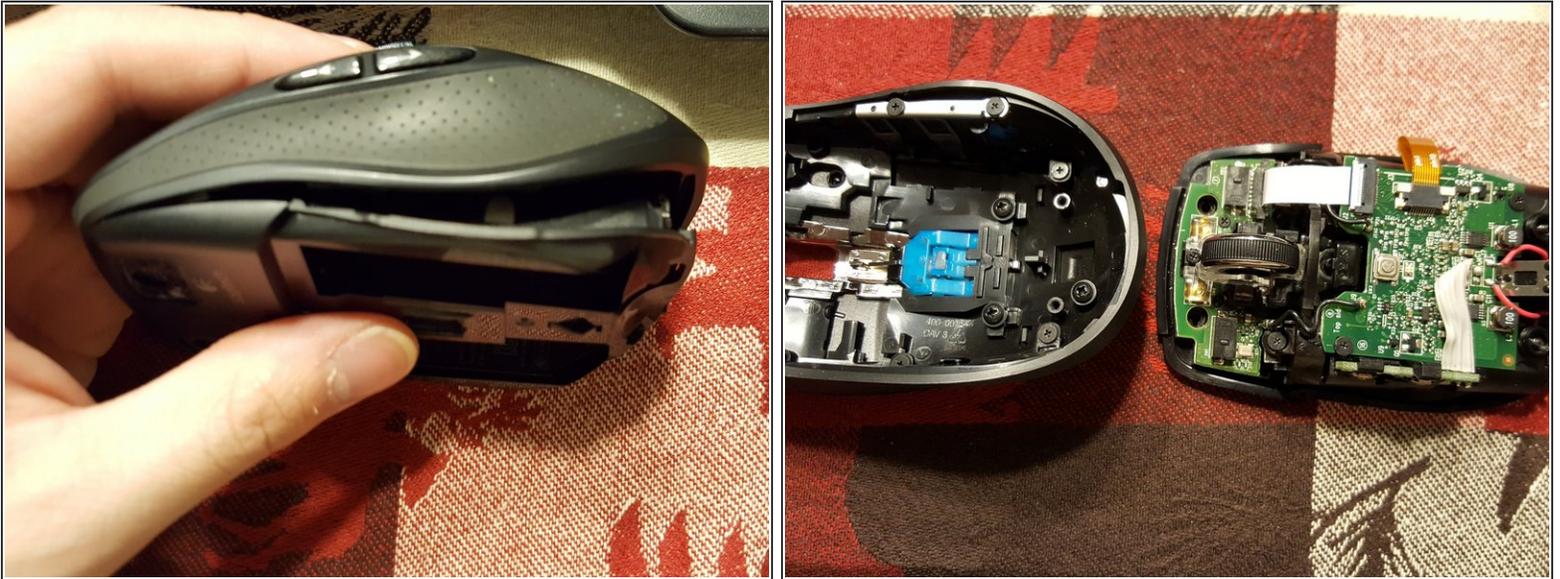
- Use the blade to pry beneath the feet of the mouse and remove them. Be careful not to excessively bend the feet as they easily deform from their original flat shape.

Step 4 — Opening the case



- Remove the four screws circled in red.

Step 5 — Opening the case



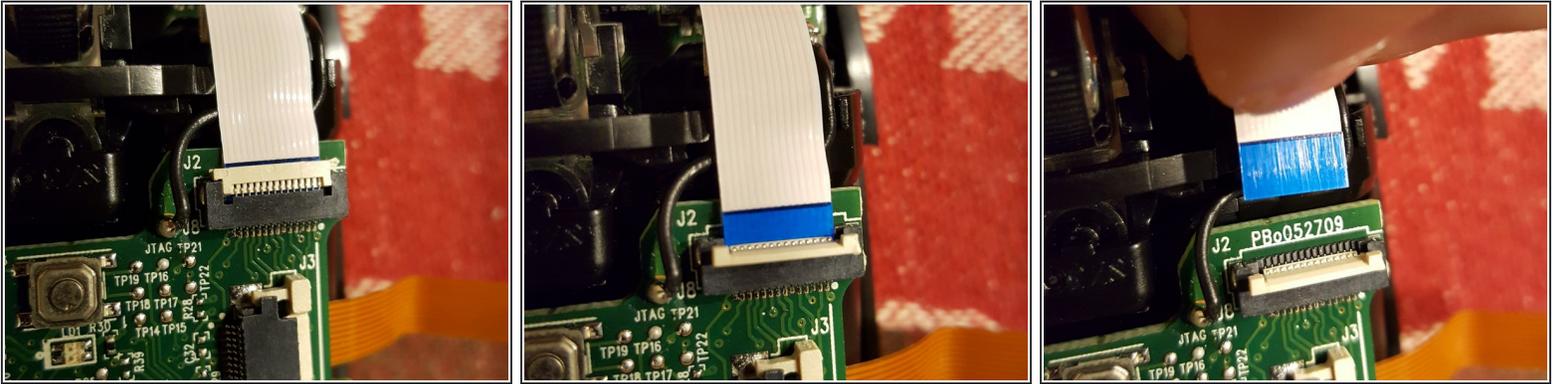
- Pry open the mouse using a plastic blade or spudger. The top shell of the mouse should come off relatively easily as there are no clips to disengage between the two halves.

Step 6 — Ribbon cables



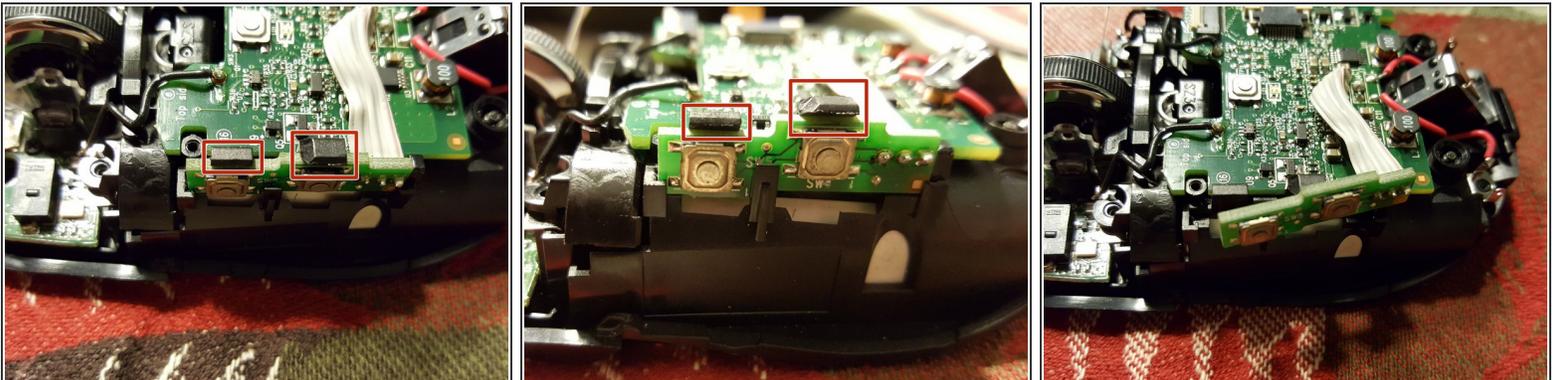
- Disconnect the orange ribbon cable by carefully pulling the white locking bar horizontally out from the socket. The ribbon cable should then easily slip out of the unlocked socket.

Step 7 — Ribbon cables



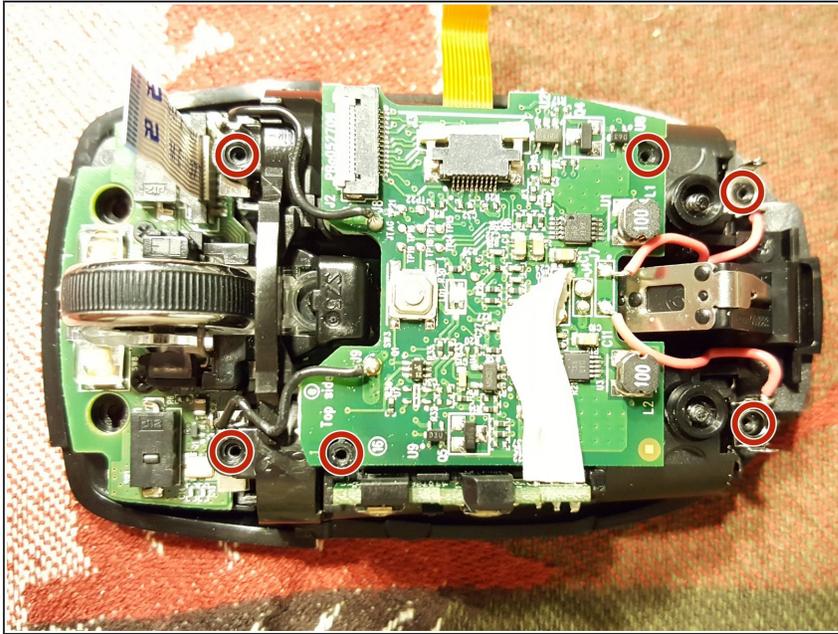
- Disconnect the white ribbon cable by flipping the white retention lever up. The ribbon cable should then easily slip out of the unlocked socket.

Step 8 — Back/forward button board



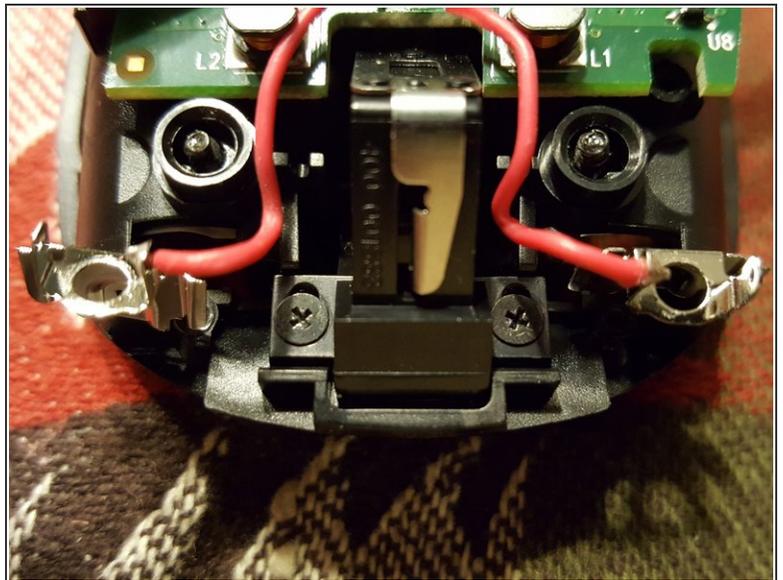
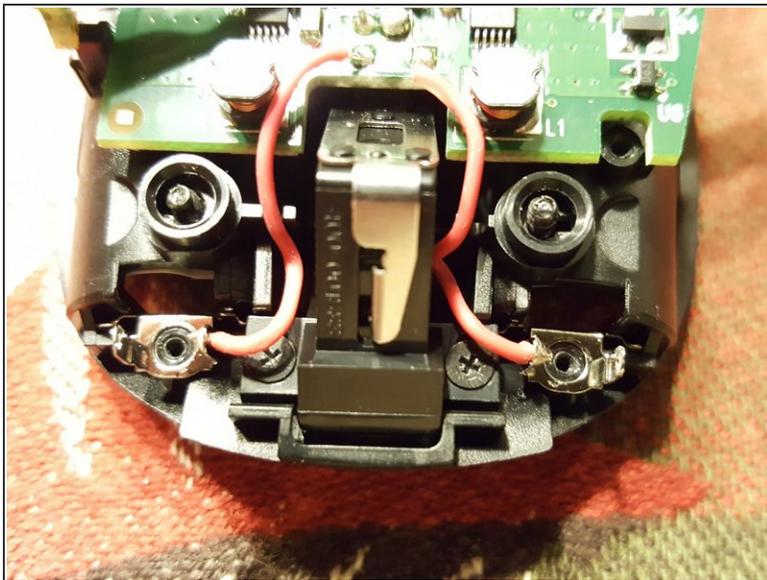
- Remove the back/forward button board from its holder on the case of the mouse by carefully pulling back on the two retention clips and sliding the board out.
- Be careful not to pull hard on the board once it is removed from its holder as the ribbon cable connecting this board to the main board is soldered and does not have a removable connector.

Step 9 — Unscrewing the main board



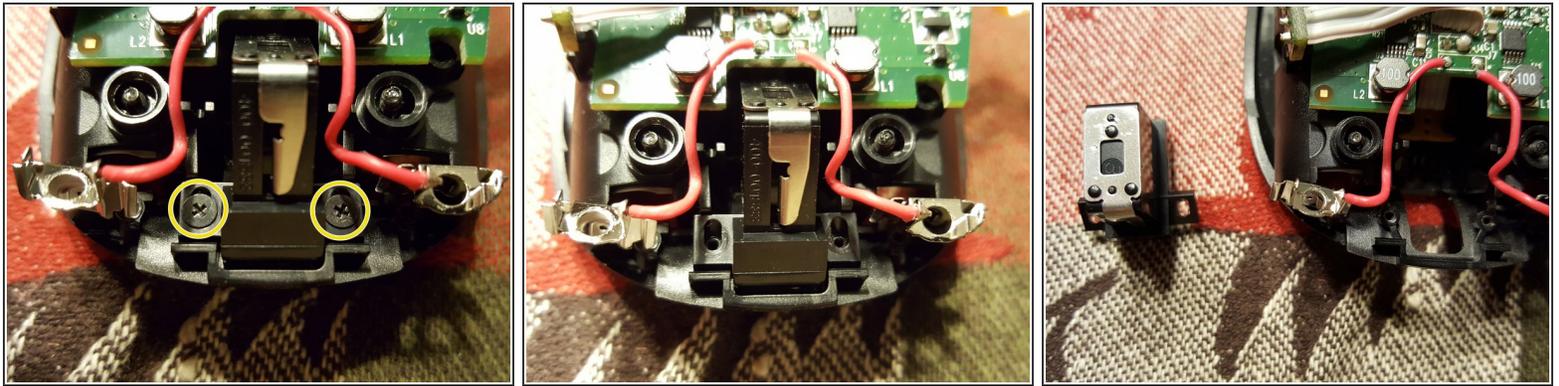
- Remove the six screws from the locations circled in red.

Step 10 — Rear battery contacts



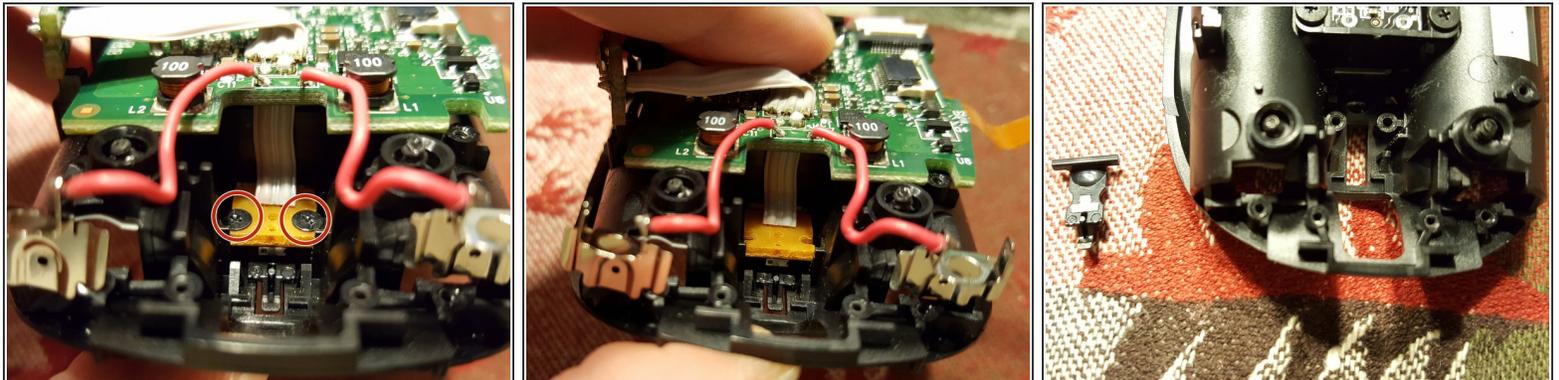
- Pull gently on the rear battery contacts to slide them out of their held location in the casing.

Step 11 — Unifying receiver holder



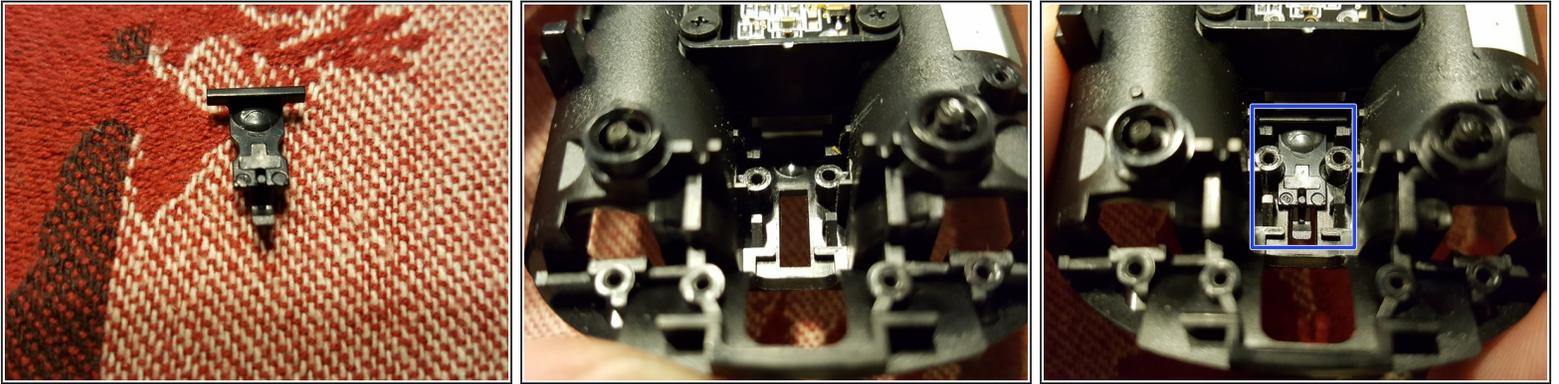
- Unscrew the two screws marked in yellow. This will allow you to remove the Unifying receiver storage holder.

Step 12 — Power switch board



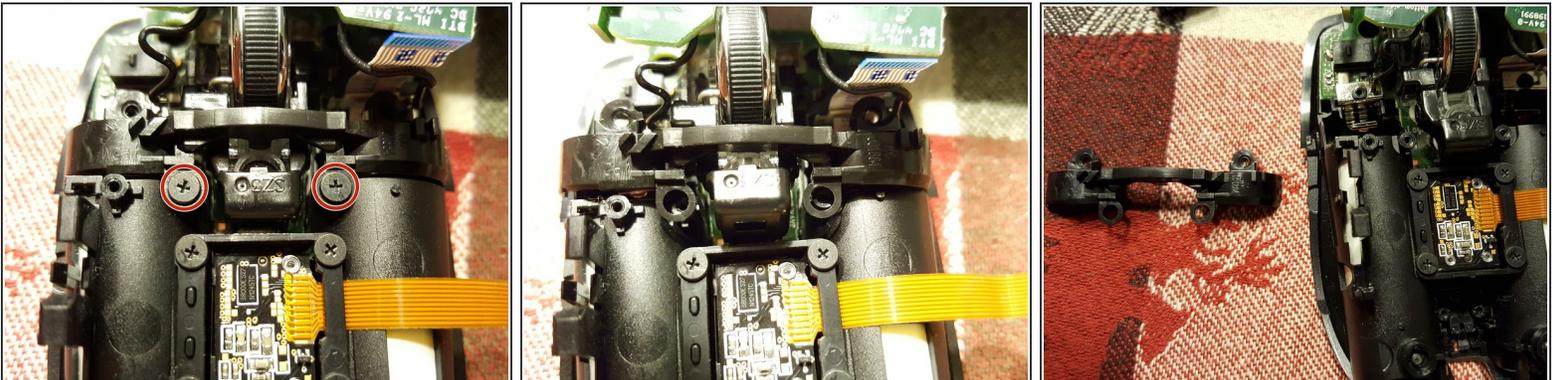
- Remove the two screws from the locations circled in red. This will allow you to remove the power switch board.
- Be careful not to pull hard on the board once it is removed from its holder as the ribbon cable connecting this board to the main board is soldered and does not have a removable connector.
- Once the power switch circuit board is unscrewed, a small plastic piece can then fall out of the casing. This piece serves to press down on the power switch when the lens cover of the mouse is closed.

Step 13 — Power switch board



- If the plastic piece fell out, this is how it should be positioned when reassembling the mouse. The plastic piece is marked in blue.

Step 14 — Removing the scroll wheel



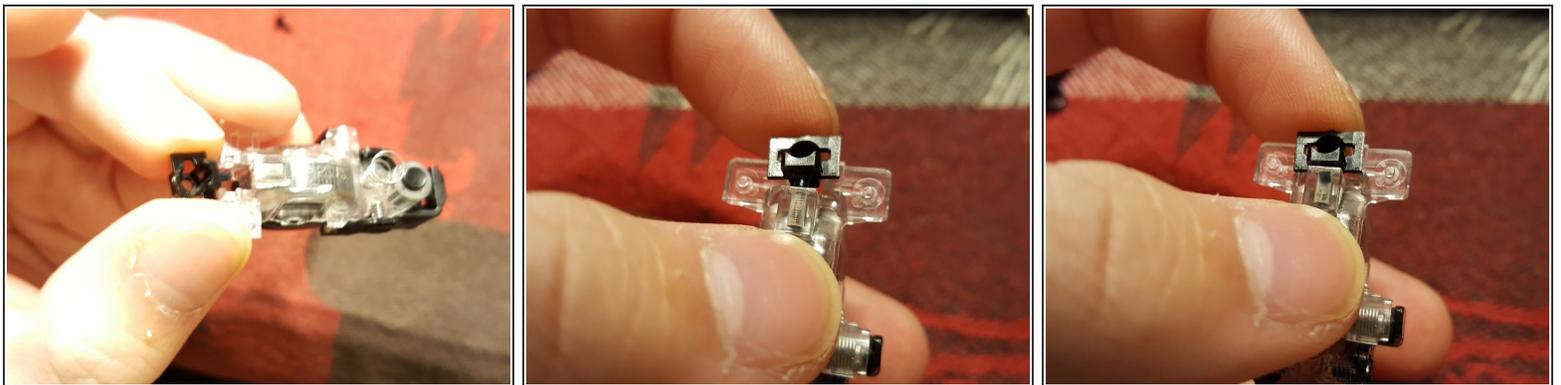
- With the power switch board unscrewed, you should now be able to flip the main board upwards.
- Unscrew the two screws indicated in red.
- The retaining bridge should now easily come off.

Step 15 — Removing the scroll wheel



- Remove the screw circled in red.
- The scroll wheel assembly can now be lifted upwards and removed from the mouse.
- The black plastic piece where the screw removed in this step is located is spring loaded and can fall out of the scroll wheel assembly. Be sure not to lose this piece.

Step 16 — Removing the scroll wheel



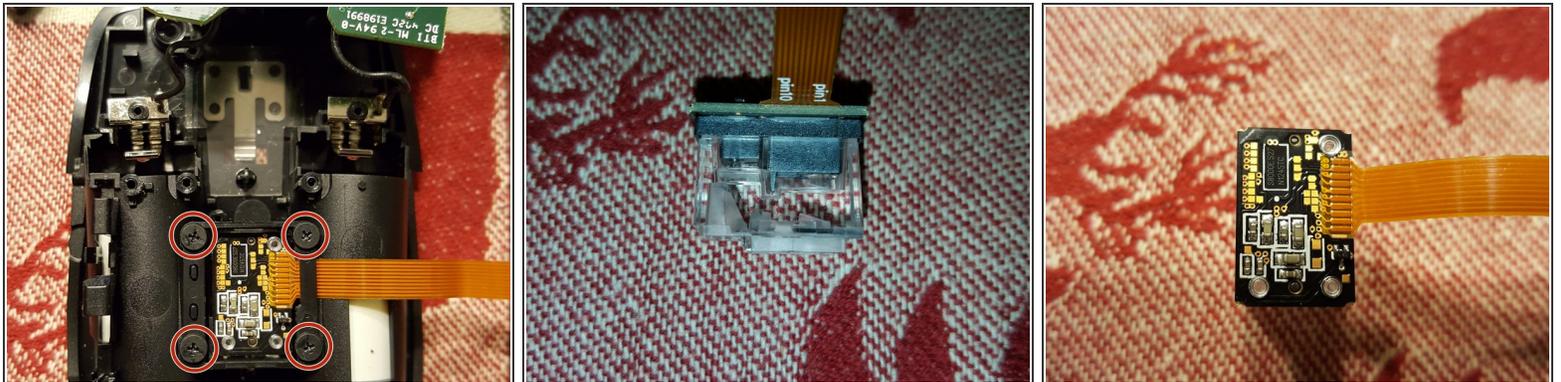
- If the black plastic piece has fallen out of the scroll wheel assembly, it should be oriented like this when reassembled.
- The plastic piece has a small peg that inserts into a spring-loaded hole in the scroll wheel assembly.

Step 17 — Left/right button board



- Remove the screws from the three locations circled in red.
- The left/right button board can now be easily removed from the mouse casing.
- The two main microswitches are indicated in blue.

Step 18 — Darkfield sensor and lens



- Remove the four screws circled in red. The sensor assembly can then be easily removed by pulling it up and out of the casing.
- Now you can clean the lens of the mouse. The sensor itself is permanently attached to the lens however.
- This particular sensor integrates the infrared laser diodes in the same package. It is rated at a sensitivity of 1000 DPI.

Step 19 — Conclusion



- The mouse is now fully disassembled. The main circuit board was not removed from the casing as it was not necessary to access the sensor and remove all other parts of the mouse.
- The major parts of the mouse are visible in the first two images of this step.
- Here is a shot of the bottom of the main circuit board. The power switch circuit board is indicated in red while the mouse's microprocessor is indicated in blue.

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