Cleaning Logitech MX Master

A guide on how to clean your MX Master, inside and out.

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INTRODUCTION

I've had my MX Master for more than 3 years, which is plenty of time to accumulate dust and dog fur. There was enough dust inside the mouse to create friction on the scroll wheel, slowing it down, so I decided to clean it. I also wanted to know if I could upgrade the micro USB port to USB-C. (spoiler alert: no)

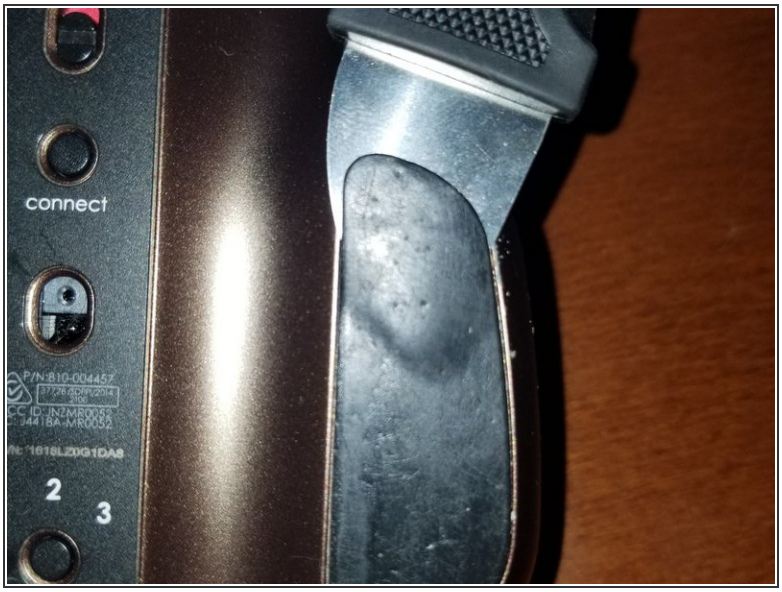
TOOLS:

- Pro Tech Toolkit (1)

Step 1 — The Before Shot

- That's a lot of gunk!

Step 2 — Removing the Feet

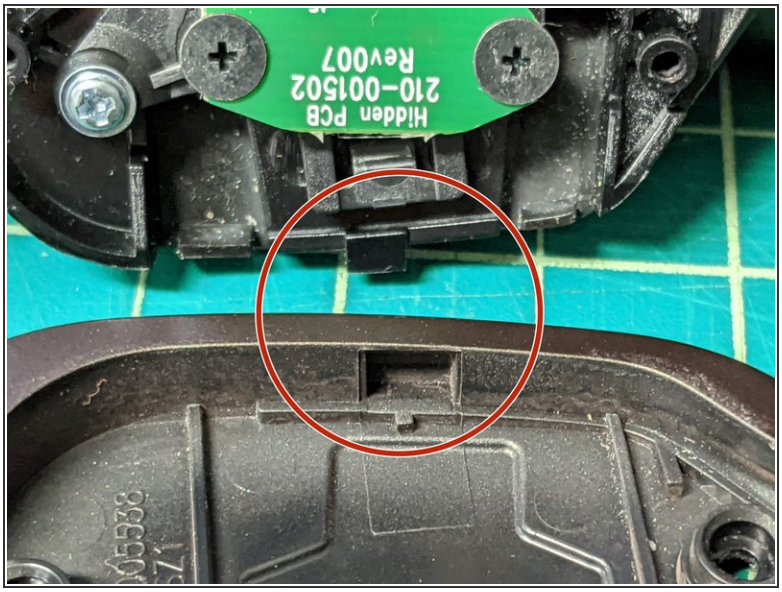


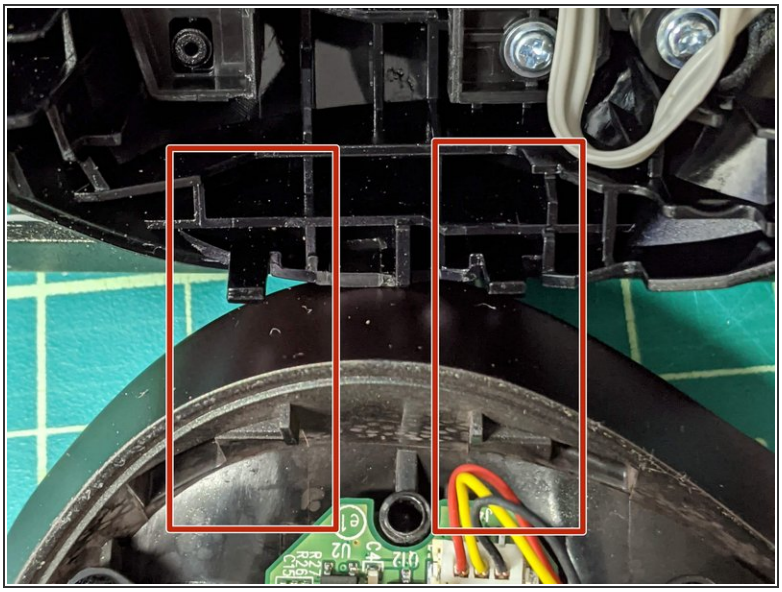
- The mouse has four feet on the bottom, but only the two long ones need to be removed. I used the Jimmy from the Pro Tech Toolkit.
- I didn't have new feet on hand, so I had to reuse the original ones. This is why there's no step for cleaning the adhesive off and putting new feet on.

Step 3 — Screw Time!

- Rev up those screwdrivers! The first wave consists of four PH1 and two T5 screws on the bottom.
- Once those are taken care of, the mouse should be easy to pop open.

Step 4 — Popping it Open





- When opening the mouse take into account the position of the clamps so you won't pop more than you want.

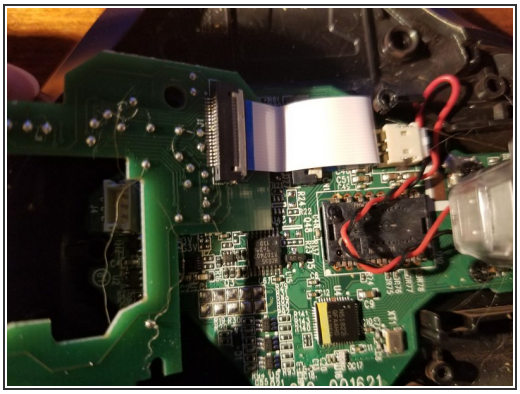
Step 5 — Ribbon cables.

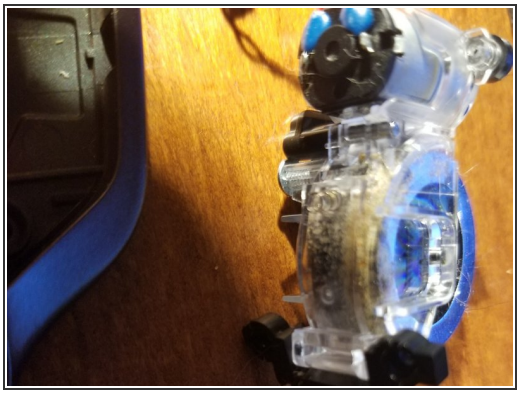
- Pop the connector open with whatever tool you find works best, unless you're like me and accidentally pulled the cable out of the connector in the previous step.

Step 6 — Bottom Half

- This is the part where I realize I need better lighting.
- Set the top half aside for now. Removal of the battery consists of three PH1 screws and one connector that really doesn't want to come loose.

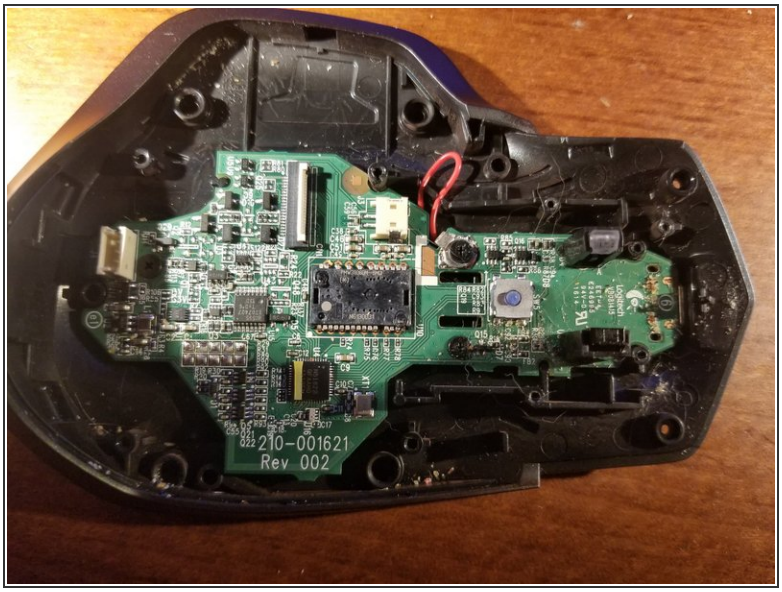
Step 7 — Bottom Half (continued)

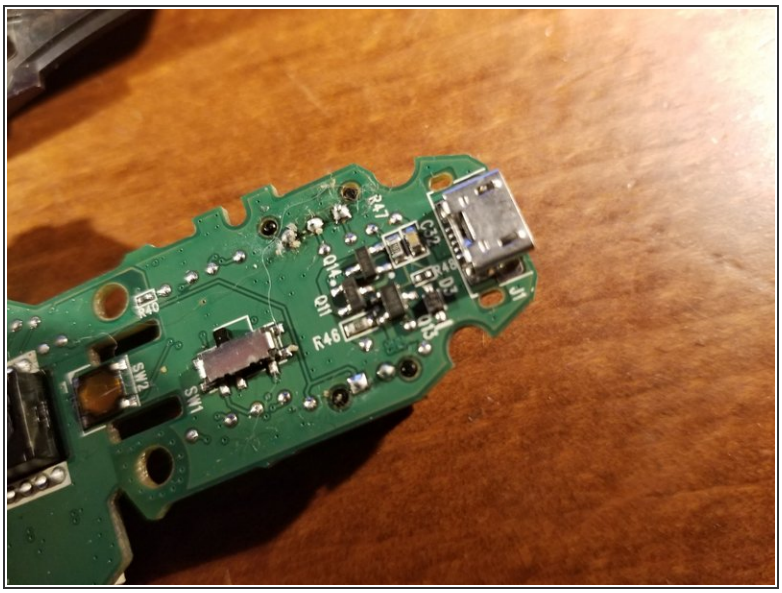




- Time for a bit change! The PCB housing the switches for left and right clicks comes off with four P0 screws and another ZIF connector.
- The scroll wheel assembly is held in with two P0 screws at the front. There's also a connector for the motor hiding under the ribbon cable for the PCB you just removed.
  - These screws aren't visible in this step, but can be seen in the previous one. I'm terrible at taking pictures.
  - You can see some of the debris causing my scrolling issues in the last photo.

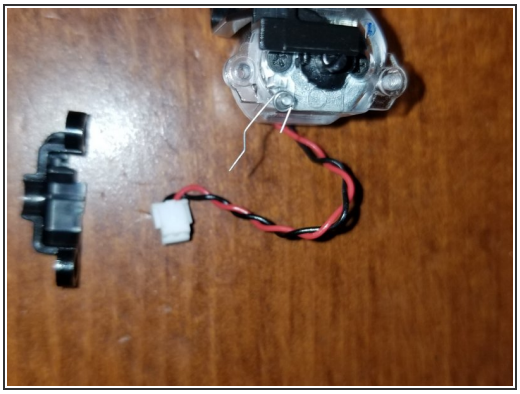
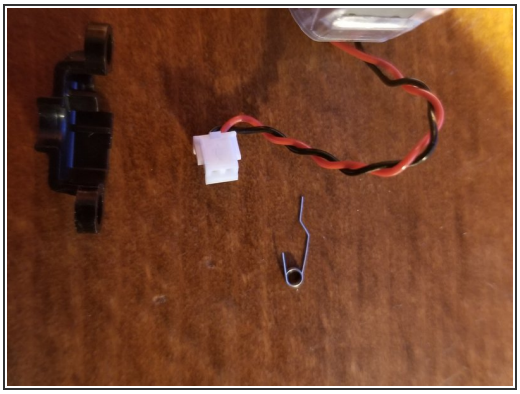
Step 8 — Bottom PCB





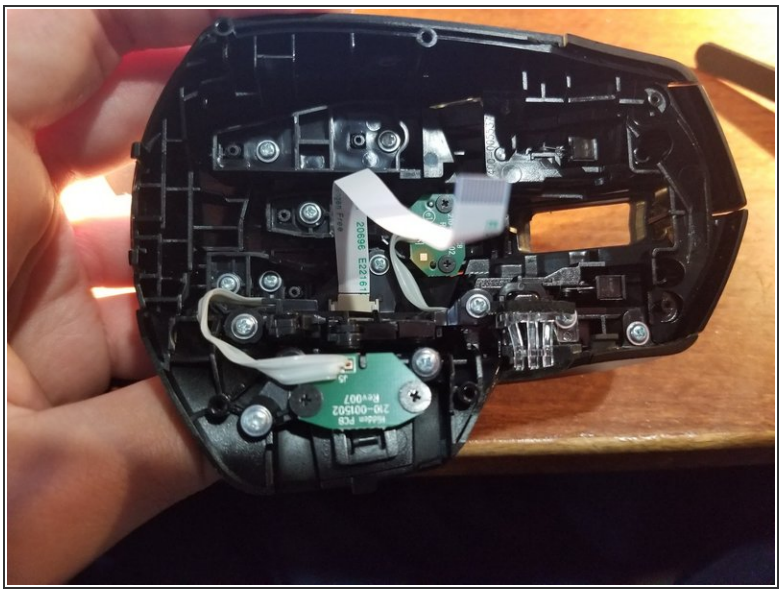
- Three more P0 screws hold this one in place.
  - Be careful to put the little doohickey on the red wire back in place (I can't remember the name)
  - We can see the micro USB connector on the underside. Unfortunately, I can't upgrade it to USB-C with the equipment I have.
- I have the equipment to clean it though! A can of compressed air was all I needed.

Step 9 — Scroll Wheel

- I couldn't get the wheel out of the assembly, but I was able to spin it with some compressed air. I didn't get it on video, but a big chunk of dust came flying out.
  - I apologize in advance for filming in portrait mode. Also, I failed to get a shot of the debris inside the wheel.
  - That spring on the bottom in the first picture will probably fall off. Make sure to keep track of it.
- I took the assembly apart in an effort to get the wheel out - no dice. I don't know where this oddly shaped spring goes, possibly on this peg, but I left it out and it doesn't seem to be important.

Step 10 — Almost Done!



- You can follow steps 5-8 in reverse in order to put the bottom back together.
- The top just needs a bit of compressed air, no disassembly required.
  - You can press the buttons down to gain easier access to the debris.

Step 11 — Congratulations, you did it!

- After following steps 1-4 in reverse, your mouse is clean again! And probably cleaner than mine.

Insert conclusion here?

