



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:

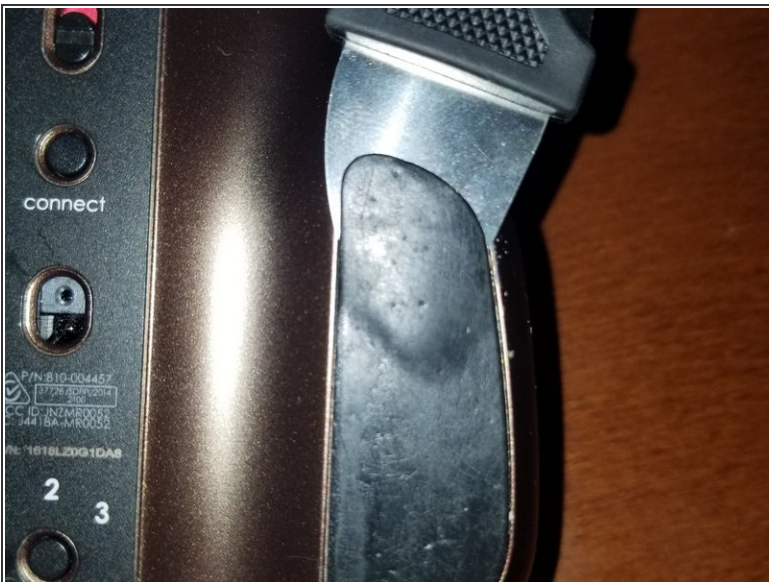
- [Pro Tech Toolkit](#) (1)
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Step 1 — The Before Shot



- 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, but I suppose fingernails would also work.
- 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 — Ribbon cables. Yay.



- Everybody's favorite. (Can you detect the sarcasm?) Just pop the connector open with whatever tool you find works best, unless you're

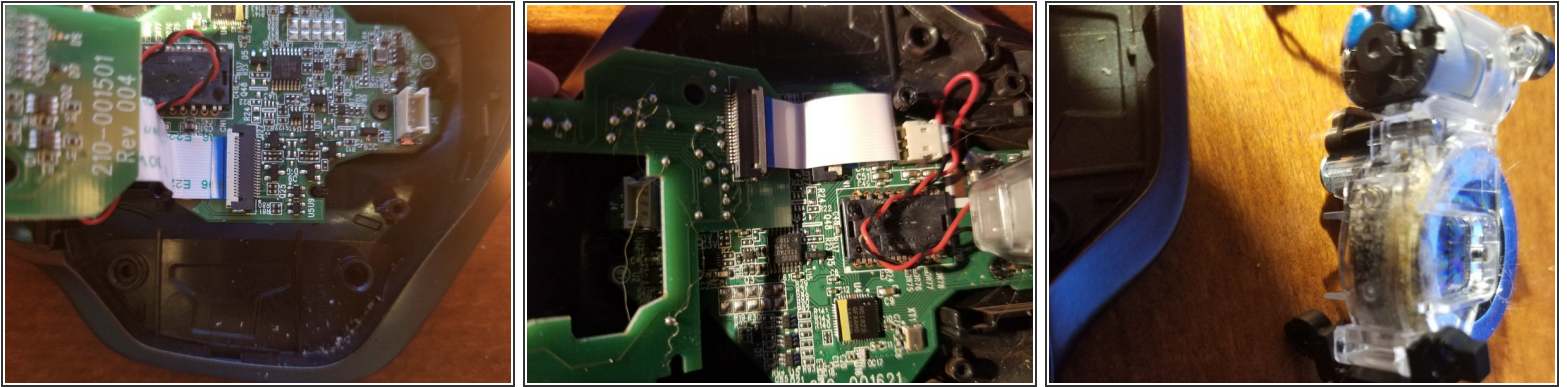
like me and accidentally pulled the cable out of the connector in the previous step.

Step 5 — Bottom Half



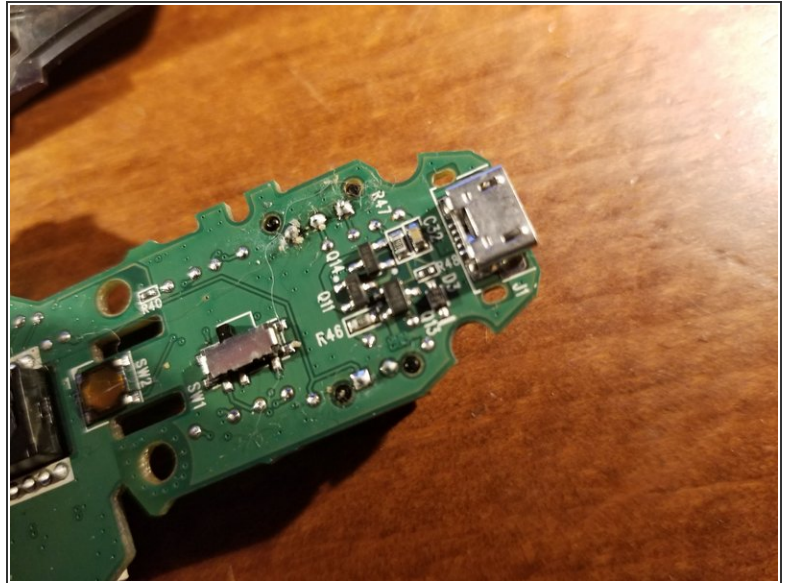
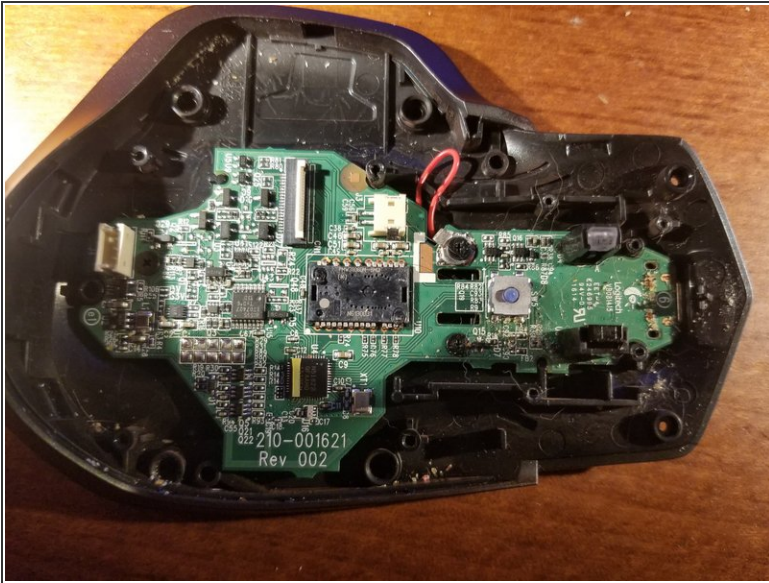
- This is the part where I realize I need better lighting.
- Set the top half aside for now. Removal of the battery consists of three PH1 screws and one connector that really doesn't want to come loose.

Step 6 — Bottom Half (continued)



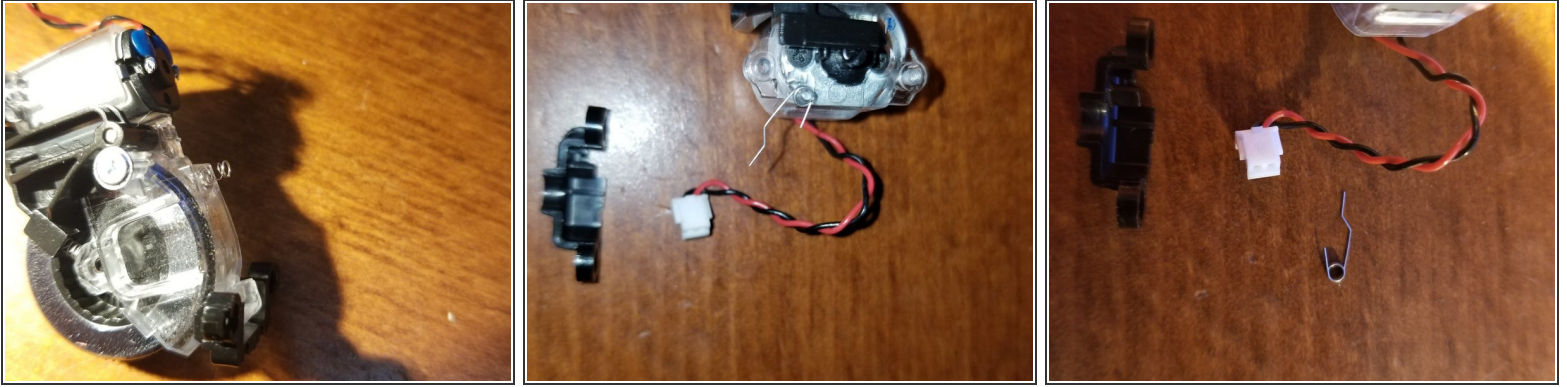
- Time for a bit change! The PCB housing the switches for left and right clicks comes off with four P0 screws and another ZIF connector.
- The scroll wheel assembly is held in with two P0 screws at the front. There's also a connector for the motor hiding under the ribbon cable for the PCB you just removed.
 - 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 7 — Bottom PCB



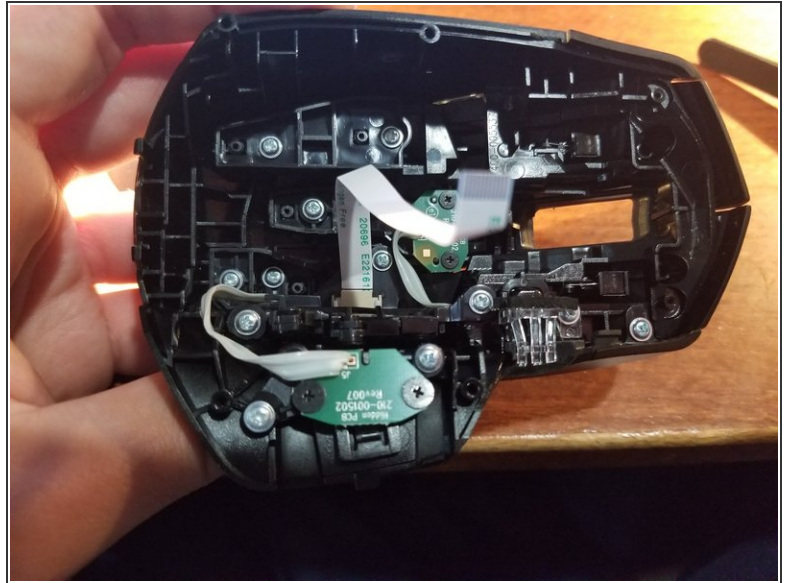
- Three more P0 screws hold this one in place.
 - Be careful to put the little doohickey on the red wire back in place (I can't remember the name)
 - We can see the micro USB connector on the underside. Unfortunately, I can't upgrade it to USB-C with the equipment I have.
- I have the equipment to clean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

Step 8 — 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 9 — 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 10 — Congratulations, you did it!



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

Insert conclusion here?