



Logitech M570 Wireless Trackball Switches Replacement

Quick guide to switch replacement. Also can be used as a tear down guide. Soldering skills required for the switch replacement.

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INTRODUCTION

I've noticed that I started having issues dragging windows. At first I thought it was a software issue since I recently switched from Windows to Linux OS. But the issue persisted on both OSes so it was clear that it was a hardware problem.

So that is how the saga of trackball mouse disassembling started. The rest is history!!!

This guide will help you to disassemble your very own Logitech M570 and guide you through switch replacement. Note that you will require soldering skills to replace switches. You might get by without soldering skills if you are after replacing the ball sensor.

TOOLS:

- [Essential Electronics Toolkit](#) (1)
- [Heat Gun](#) (1)
- [Soldering Workstation](#) (1)

Step 1 — Preparation



- Remove tracking ball
- Turn power switch to the off position
- Open battery door
- Remove AA battery

Step 2 — Taking mouse body apart



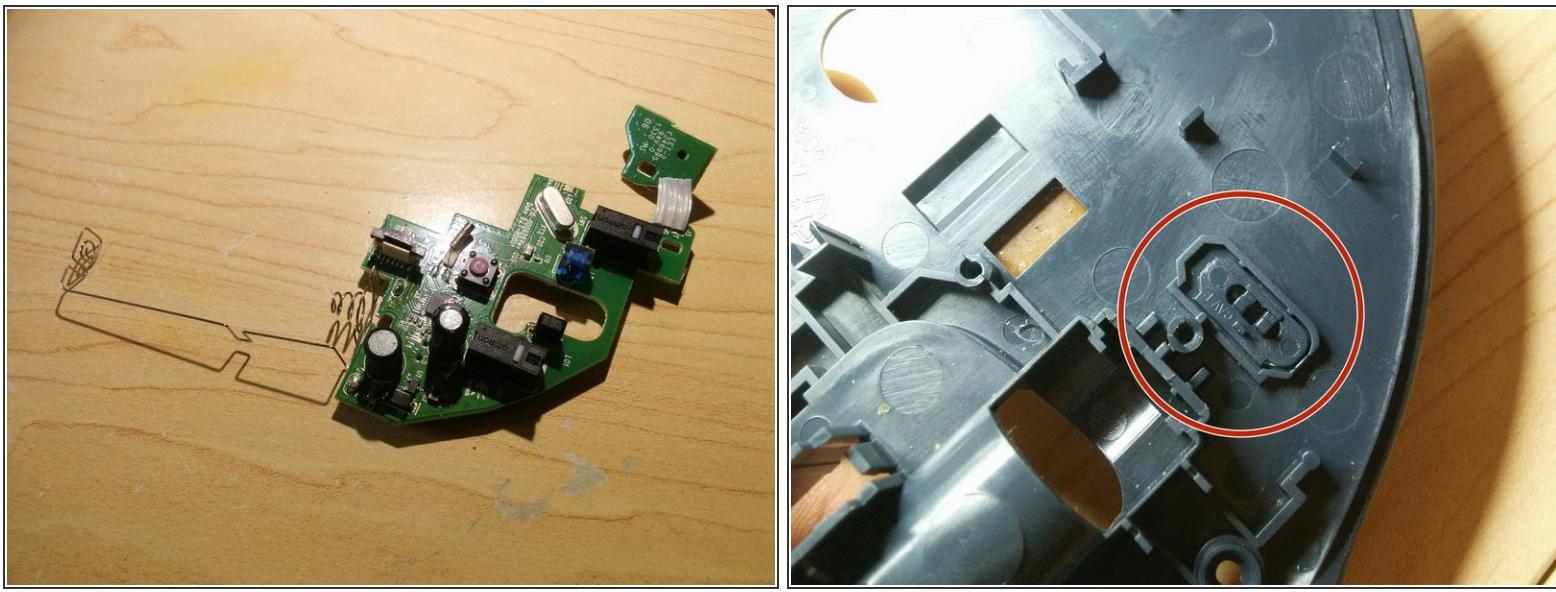
- Remove 3 pads as shown in the picture
- Unscrew 5 bolts using phillips screwdriver
- The last screw is hidden under the battery label. You will have to poke a hole to get to it.
- Use guitar pick to open the body

Step 3 — Detaching PCB



- Lift the latch up and pull flex circuit out of connector. Detach tracking ball sensor.
- Unscrew first screw and detach little PCB
- Take the other 3 screws out. The last screw is hidden behind a capacitor in the picture

Step 4 — Removing PCB



- Carefully remove PCB. Take care not to bend battery connector

⚠ Remove power switch. Otherwise it might fall out and you will never see it again...

Step 5 — Replacing switches



- As you may see one of the switches is completely busted. It has to be replaced!
- There are few replacements out there. I've used this [one](#). But you might want to use [original one](#). Or the [rival one](#).
- It really does not matter much. The difference is operating force. The original one comes with 75 gf which gives lighter clicking action. But I went with 150 gf for the replacement since those should last longer...
- Take old switches out. Might be a little tricky! You might want to use multiple soldering irons to heat all 3 pins at once. Or heat gun. The choice is yours. Just be careful not to burn yourself! FYI, this is probably not the best project for the first soldering experience!
- Solder new switches on.

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