



Opening the Logitech M170 Outer Casing

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INTRODUCTION

A quick rundown of how to open up the M170's screwless outer casing. This would be the first step before being able to repair any of the internal components.

This mouse isn't held together with screws. This guide will teach you where to find the 3 clips and 2 hooks that hold the top part of the case in place.

TOOLS:

- [Tweezers \(1\)](#)

Step 1 — Remove the bottom cover



- Switch off the mouse and slide out the bottom cover. This is where all the necessary clips can be accessed.

Step 2 — Remove the battery and sticker



- **Remove the battery and sticker.** There are a total of 3 clips that need to be released. Two are just on the sides. The third one is under the sticker inside the battery's chamber. Logitech commonly hides extra fastening points in a similar place in their other wireless mice.

- You may need tweezers to remove the sticker easily.
- We'll release the clips in the next step.

Step 3 — Unfasten the clips



- **Identify the clips.** The plastic of the top cover is a different color from the plastic of the base. You can identify the clips from their color (should be the color of the top cover. Here, they are black).
- When you've identified the clips, pull them outward/away from the center (see image) to release them.

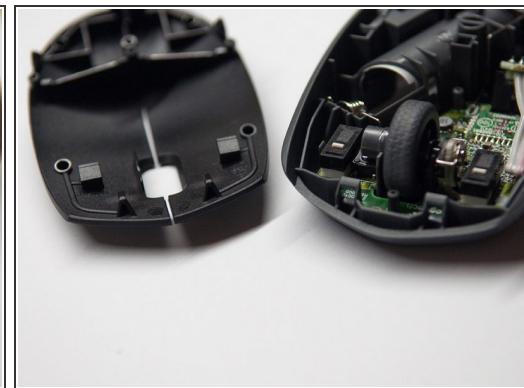
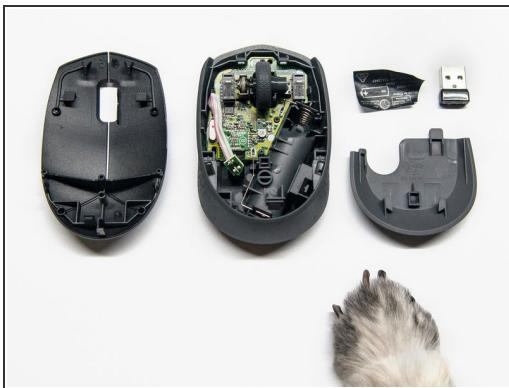
⚠ You can use any small tool but the plastic may be a bit soft so do this carefully if don't want to wear the clips out.

Step 4 — Pop off the top cover



- After you've released the 3 clips, you should be free to pop the top cover right off. You can help it along by pushing on one of the clips.
- After the back part pops off, slide the whole top cover forward a little. (There are two more hooks in front of the mouse where the buttons are, that normally prevent you from pulling the buttons upward.) That should let you remove the whole thing.

Step 5 — Enjoy the insides



- From here, you should be able to do your repairs on the internals.
- Interesting thing to note: Logitech switched some of their higher-end mice to high-quality Omron switches. But this, being a \$12-ish mouse, seems to use **microswitches from Himake**. The actuation force feels noticeably higher vs Omron switches. Durability is up for testing and debate. I personally haven't owned this mouse long enough to tell.
- I like how it was screwless and didn't have any adhesives. It makes it really easy to put back together and it means there are fewer things to lose or keep track of.

Step 6 — Put it back together



⚠ To put the top cover back on, **attach the front hooks first before snapping the back clips.**

- Press down on the palm part of the top cover gently to snap the back clips into place.
- Obviously, you'll need to put back the battery and removable bottom panel too. I also reattached the sticker but placed it higher so the clip in the battery chamber is exposed. I wasn't sure if I would need it later.