



Logitech G502 Hero Disassembly

This guide will show you how to safely...

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INTRODUCTION

This guide will show you how to safely disassemble a Logitech G502 Hero mouse in preparation for replacing internal components of the mouse for repair or refurbishment.

TOOLS:

[Spudger](#) (1)

[iFixit Opening Tool](#) (1)

[iFixit Opening Picks \(Set of 6\)](#) (1)

[Heat Gun](#) (1)

A hairdryer also works

[Phillips #0 Screwdriver](#) (1)

Step 1 — Before we begin...



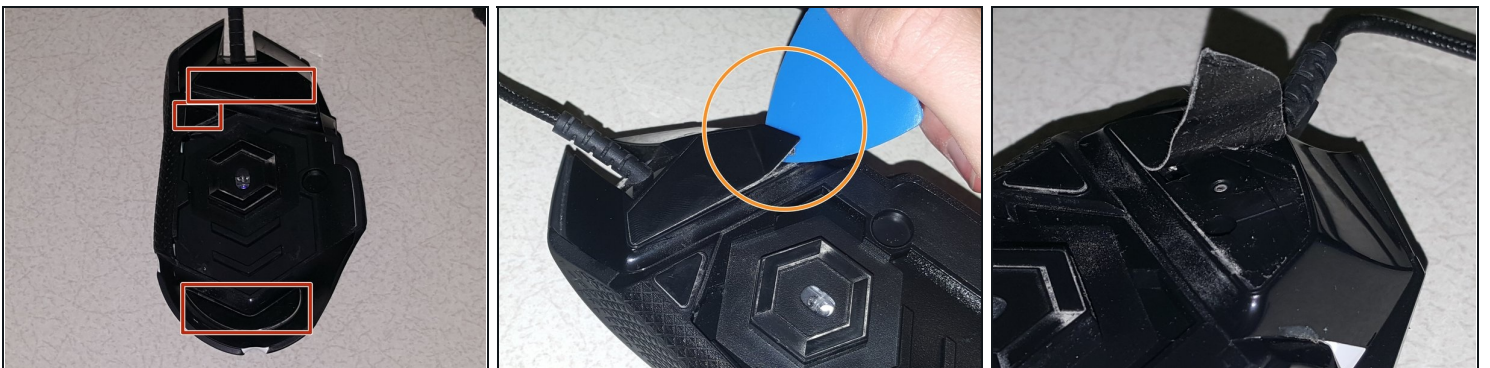
- To keep it out of the way, wrap the USB cable using the integrated Velcro cable tie
- ⓘ If the Velcro cable tie is damaged or missing, a twist tie works just as well

Step 2 — Remove bottom cover and weights



- Remove the weight cover from the bottom of the mouse by lifting it up by the mouse foot.
- ① You can remove the tuning weights if desired, but this is not necessary for disassembly.

Step 3 — Removing the mouse feet



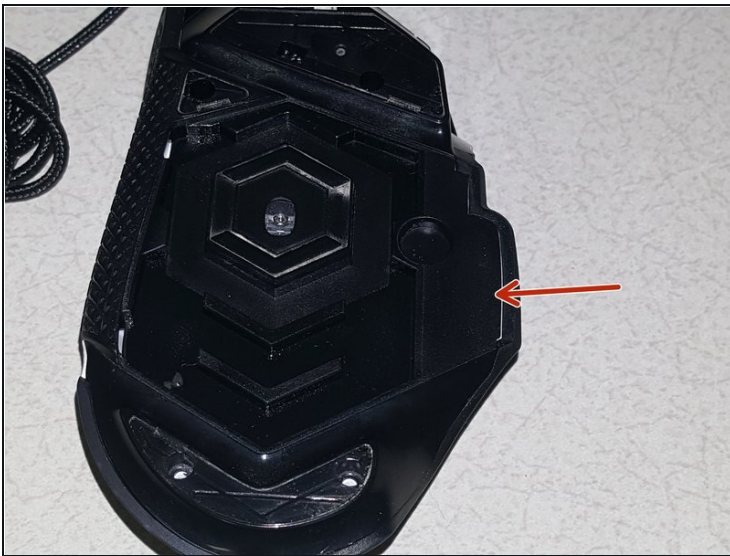
- Using a heat gun (**set to low**), heat up the three mouse feet for several seconds each.
- Slide an opening pick under both the mouse feet and the adhesive underneath it.
- ① If done correctly, you should be able to peel off the mouse feet with the adhesive still attached.
- ① If the adhesive does not come off with the feet you can scrape it off with a spudger.

Step 4



- Remove the four Phillips screws holding the two halves of the mouse together.

Step 5



- Insert the flat end of a plastic spudger into the area indicated between the top and bottom shells.
- ① The two halves of the mouse will split almost completely apart with very little force.
- ⚠ Do not attempt to pull apart the two halves just yet.

Step 6



- Insert the flat end of a plastic spudger between the top and bottom shells on the left side of the mouse, next to the left click.
- ⓘ The top and bottom shells will completely separate, allowing the top shell to be lifted off.
- ⚠ Use caution to avoid snapping the plastic clips holding the two halves together.

Step 7 — Disconnecting Hero sensor



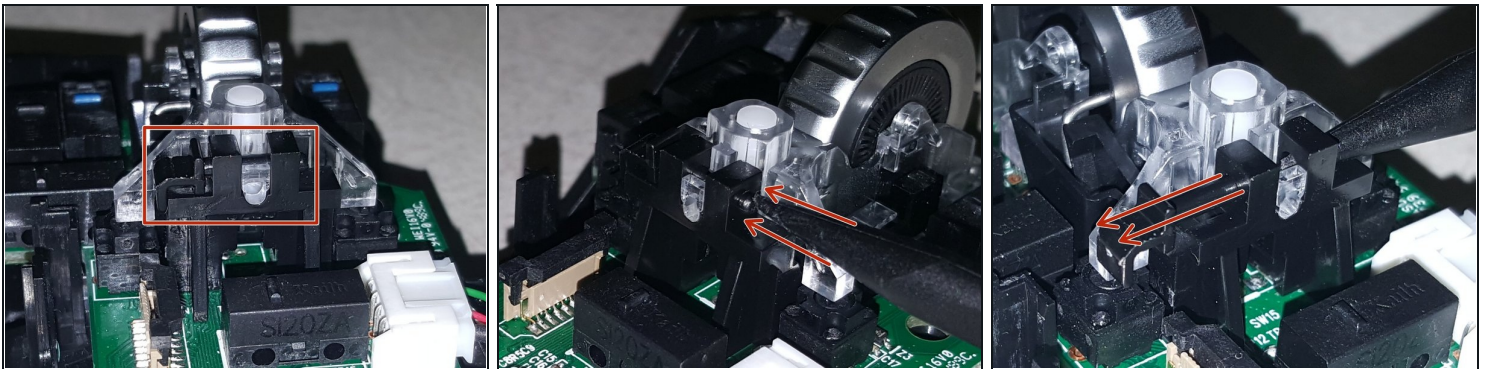
- Using the flat end of a plastic spudger, carefully lift up both sides of the lock that secures the ribbon cable.
- ⓘ With the lock released, the ribbon cable should easily be removed from the connector.
- ⚠ Do not use too much force releasing the lock, otherwise the connector may be damaged.

Step 8 — Removing side button board



- Remove the side board by pulling it straight out to access the ribbon cable connector.
- Using the same technique that was used with the Hero sensor ribbon cable connector, disengage the cable lock.
- Remove the ribbon cable with the side board.

Step 9 — Scroll wheel assembly - Part 1



- The scroll wheel assembly is held in by a retaining bar, which will need to be removed
- Using the pointed end of a plastic spudger, push the retaining bar out from the right side.
- Once you've done this you can remove the retaining bar.

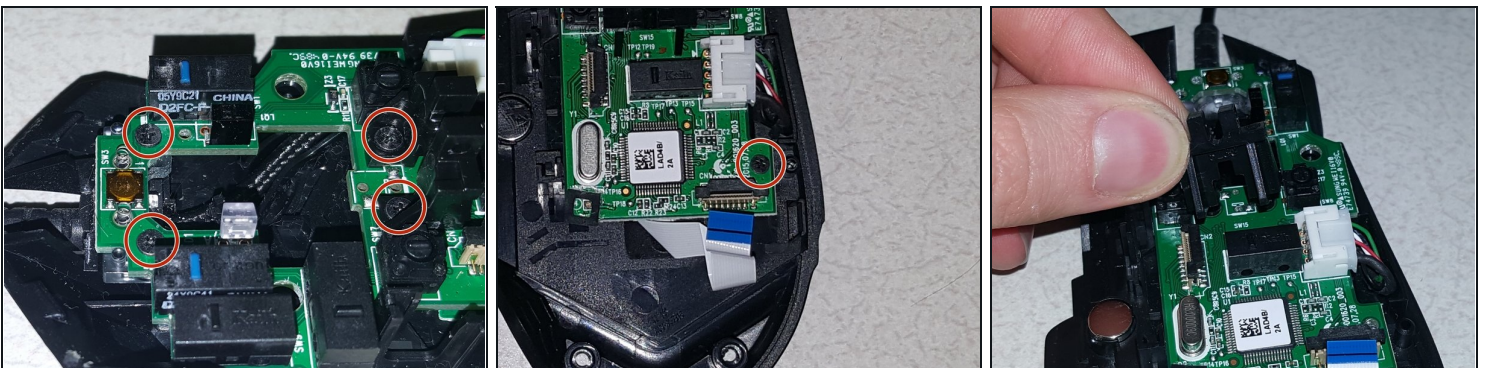
Step 10 — Scroll wheel assembly - Part 2



- Pull the scroll wheel assembly off of the mouse.

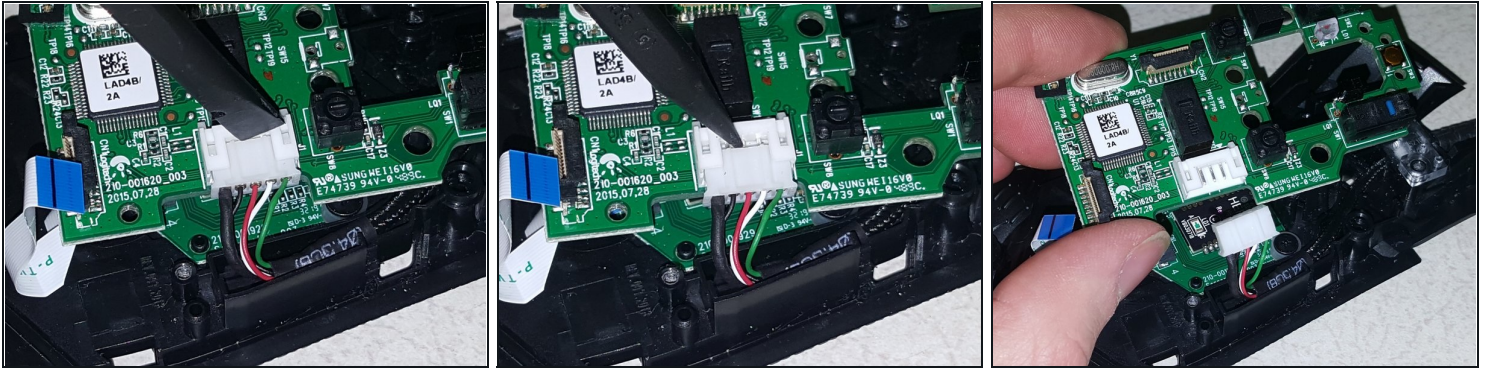
⚠ There are two small springs for the scroll wheel click actions; these are very small and easily lost.

Step 11 — Remove main board screws



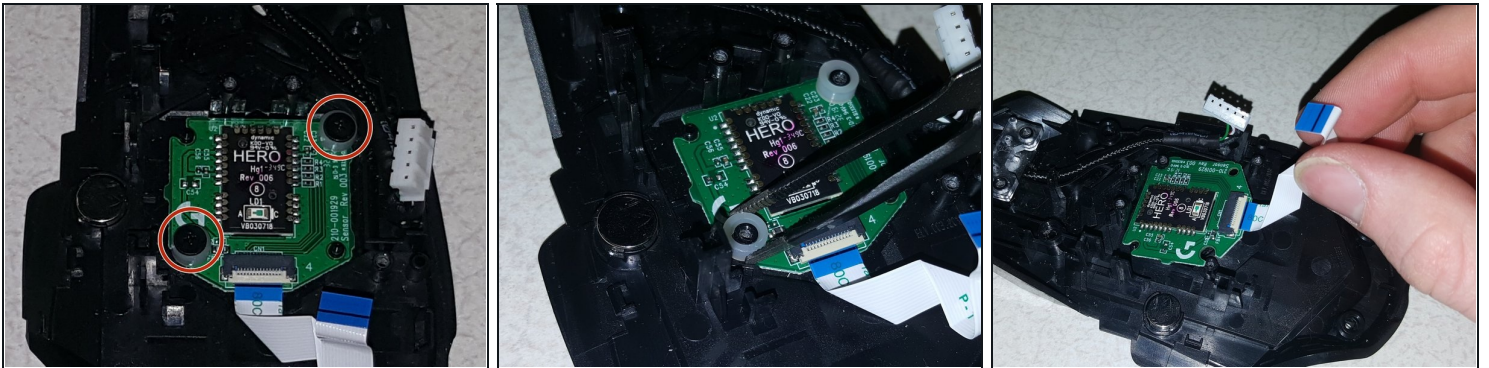
- Remove the four Phillips screws near the front of the mouse.
- Remove the Phillips screw near the ribbon cable plug for the Hero sensor.
- The cradle for the scroll wheel assembly can now be removed.

Step 12 — Disconnect USB plug



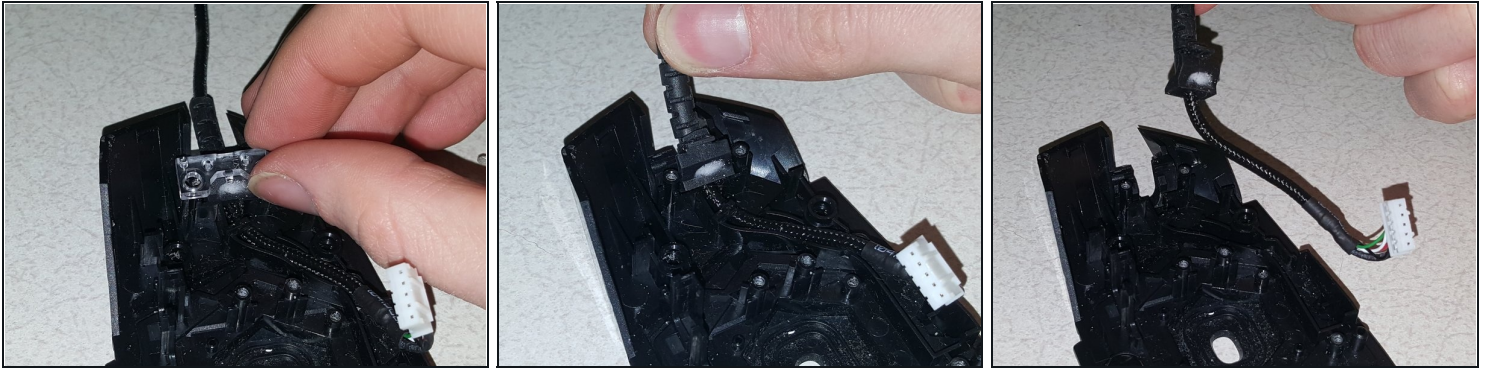
- Using the flat end of a plastic spudger, disconnect the USB cable plug from the main board by pushing out the male end of the plug.
- Once there is enough of a small gap, the pointed end of the spudger can be used to push the plug out
- Remove the main board from the mouse bottom shell.

Step 13 — Removing Hero sensor



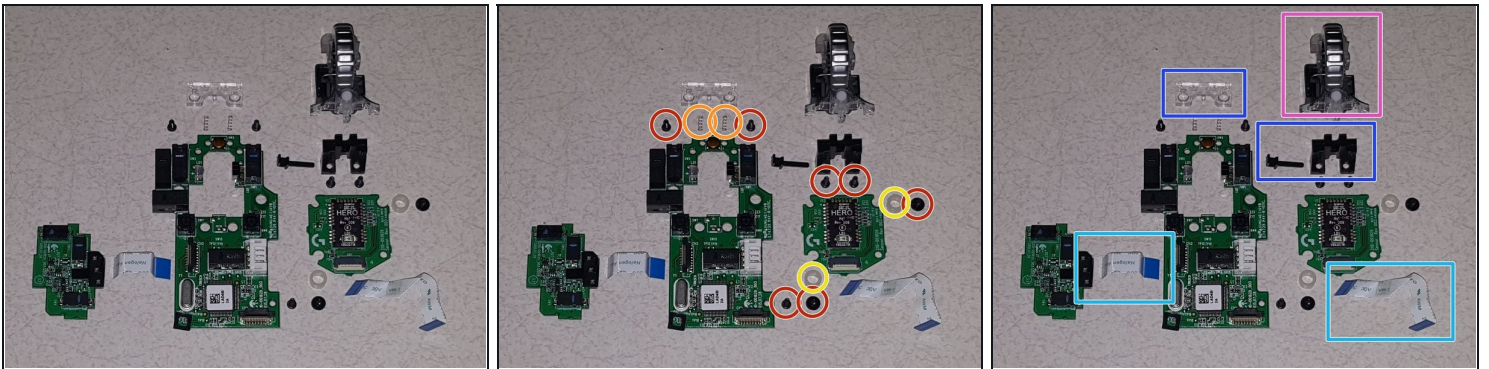
- With the main board removed, the Hero sensor board is revealed.
- Remove the two Phillips screws holding the Hero board in.
- Using tweezers, carefully remove the two nylon spacers from the posts.
- Remove the Hero sensor board.

Step 14 — Remove USB cable from bottom shell



- Start by taking off the clear plastic piece on top of the cable stress reliever.
- With the clear plastic piece remove, the cable can be removed at the stress reliever and bottom shell.

Step 15 — End



- All internal components for reference
- Phillips screws
- Scroll wheel springs
- Hero sensor nylon spacers
- Ribbon cables for side board and Hero sensor board
- Scroll wheel assembly
- Scroll wheel cradles and retaining bar

Replace necessary parts and then follow these instructions in reverse order to reassemble.