



# Corsair Dark Core RGB Wireless Left Click Switch Replacement

In this guide I will show you how to replace a...

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# INTRODUCTION

In this guide I will show you how to replace a faulty left-click switch in your Corsair Dark Core RGB mouse. In my particular mouse, holding left-click would randomly release, known as “bouncing”. Usually the switch is to blame, requiring replacement. Before attempting this guide you should have some experience with soldering small electrical parts.

## 🔧 TOOLS:

Heat Gun (1)

*Alternatively a hair dryer can be used*

iFixit Opening Picks set of 6 (1)

T5 Torx Screwdriver (1)

Spudger (1)

ESD Safe Blunt Nose Tweezers (1)

Phillips #0 Screwdriver (1)

Flux Pen 10ml No Clean (1)

Soldering Iron 60w Hakko 503F (1)

Desoldering Pump (1)

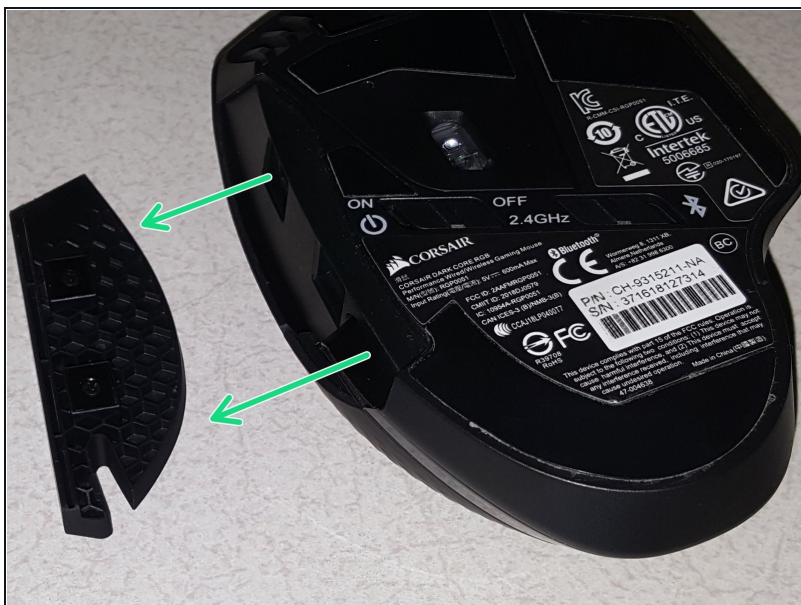
Lead-Free Solder (1)

## ⚙️ PARTS:

OMRON D2FC-F-K(50M) Micro Switch (1)

*Original part. I used a different switch from a cheap mouse bundled with a new computer*

## Step 1 — Remove Side Cover



- Start by removing the side cover or pinky rest. This attaches via magnets

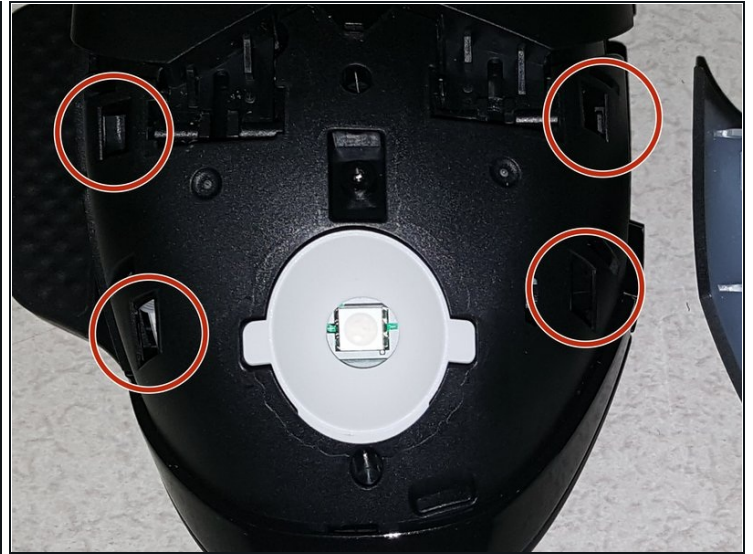
## Step 2 — Removing the Slider Pad



- Using a heat gun on low, apply heat evenly to the bottom slider pad, then gently slide an opening pick under the pad
  - ⓘ If the pick does not slide under the pad easily, try warming the pad a little more
- Remove the two T5 Torx screws that were under the slider pad



### Step 3 — Opening the Top Shell



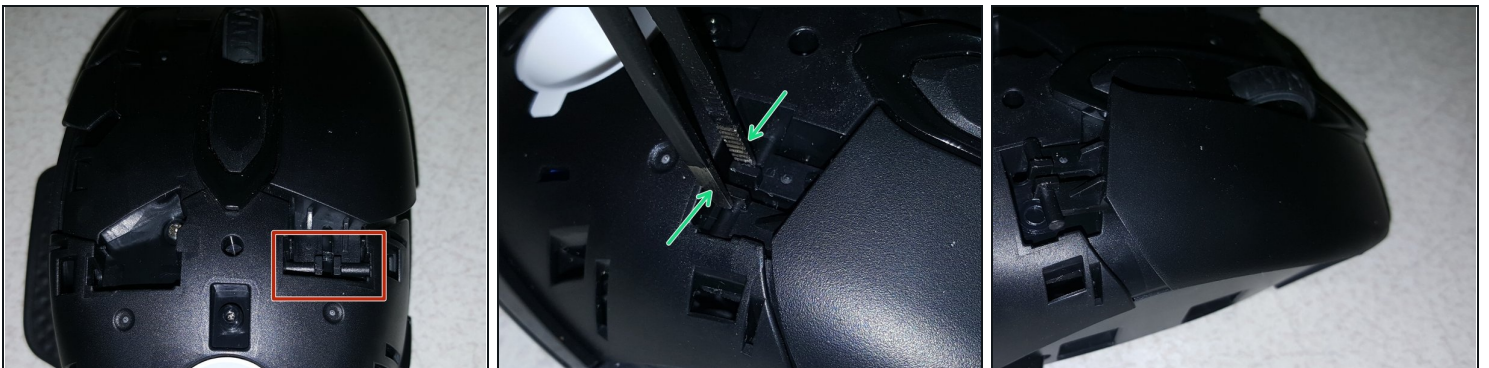
- Using a plastic spudger, carefully pry underneath the top shell where indicated
- ⚠ Take your time and work around the area to avoid snapping the plastic latches
  - ⓘ See photo for reference of where the top shell latches into the bottom shell
- Once the right side is unlatched, slide an opening pick under the left side of the top shell to release the remaining two latches, then remove the top shell

## Step 4 — Removal of Left-Click Button



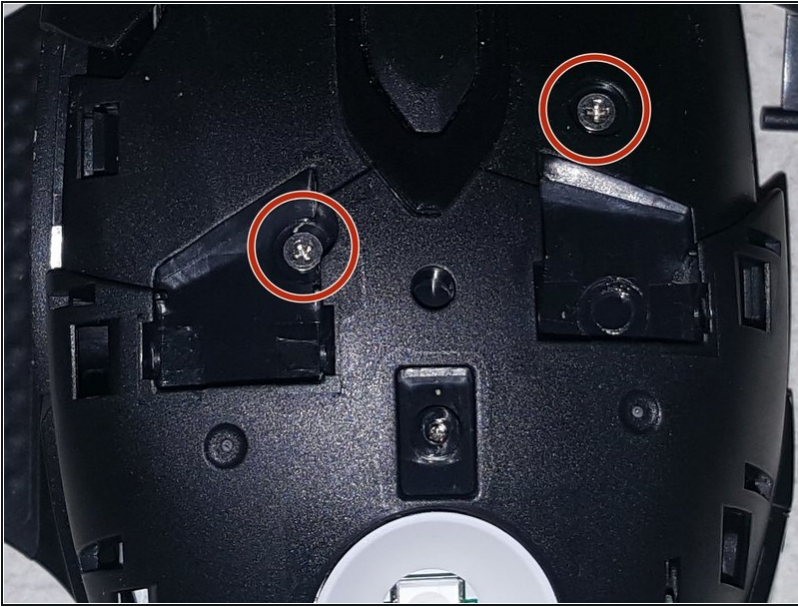
- Underneath the left and right click buttons are two screws. To access these we need to remove the buttons, starting with the left
- Gently pull up on the front of the the left-click button with your fingertips. It will hinge upwards. Remove the left-click button.
- ① If it doesn't come off with slight twisting, pinch the hinge point together with tweezers to release it

## Step 5 — Removal of Right-Click Button



- To remove the right-click button, squeeze the hinge point together with tweezers and pull it up and out
- Make sure that the tweezers have a good grip when squeezing the hinge together
- With the hinge out, push the right-click button forward slightly and remove it

## Step 6



- Remove the two **pan head** Phillips screws that were revealed after taking off the left and right click buttons

## Step 7 — Opening the Bottom Shell

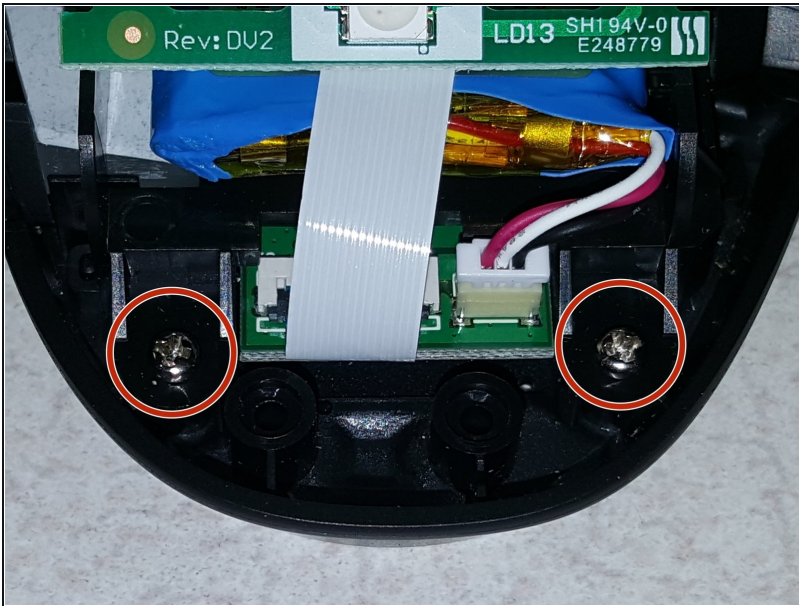


- Slide an opening pick under the back of the bottom shell, releasing the plastic latches holding it on
- To remove, pull the top shell back slightly in order to slide it out from the clips at the front

⚠ Do not try attempt to release the top shell from the front as this may snap the front clips



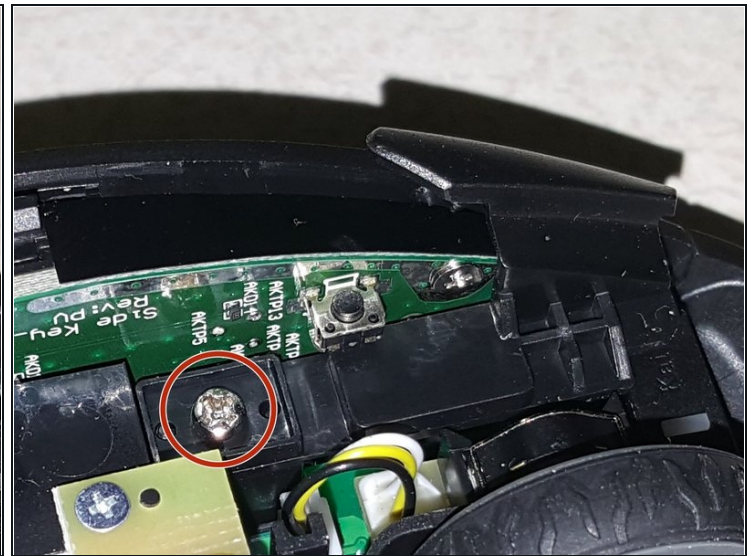
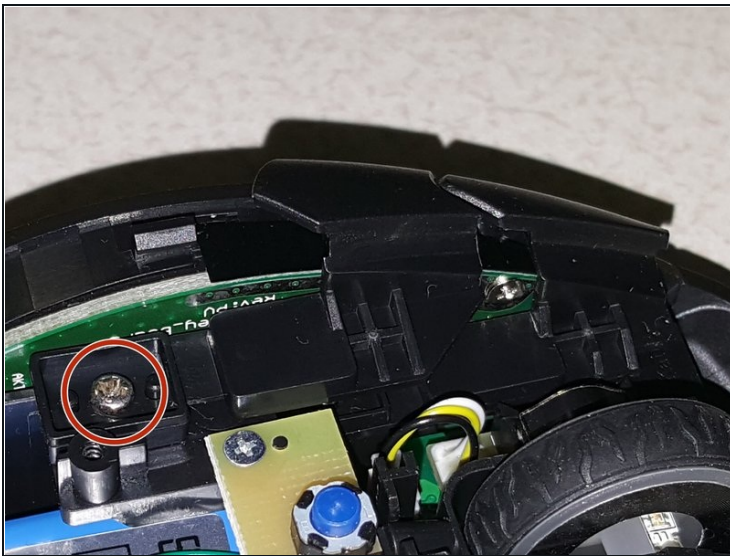
## Step 8



- Remove the two round head Phillips screws at the bottom of the mouse, near the ribbon cable

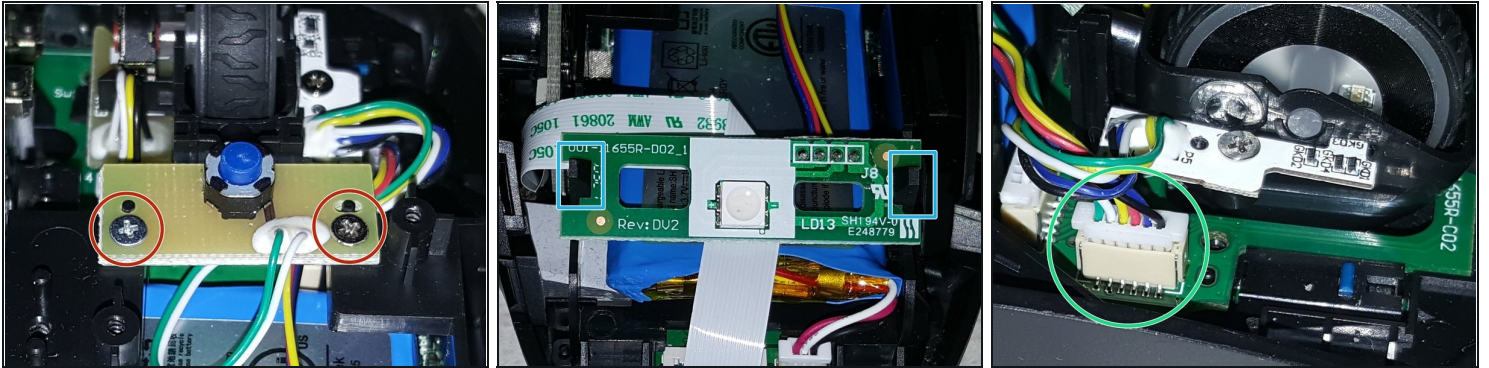
⚠ If desired, the battery can be disconnected by pulling on the wires, being cautious to avoid damage to the ribbon cable. **Disconnecting the battery is not necessary to replace the left-click switch**

## Step 9 — Removing DPI Switch Buttons



- Remove the round head Phillips screw, then remove the rear DPI button
- Once the rear DPI button is removed we can remove the revealed second round head Phillips screw and then remove the front DPI button

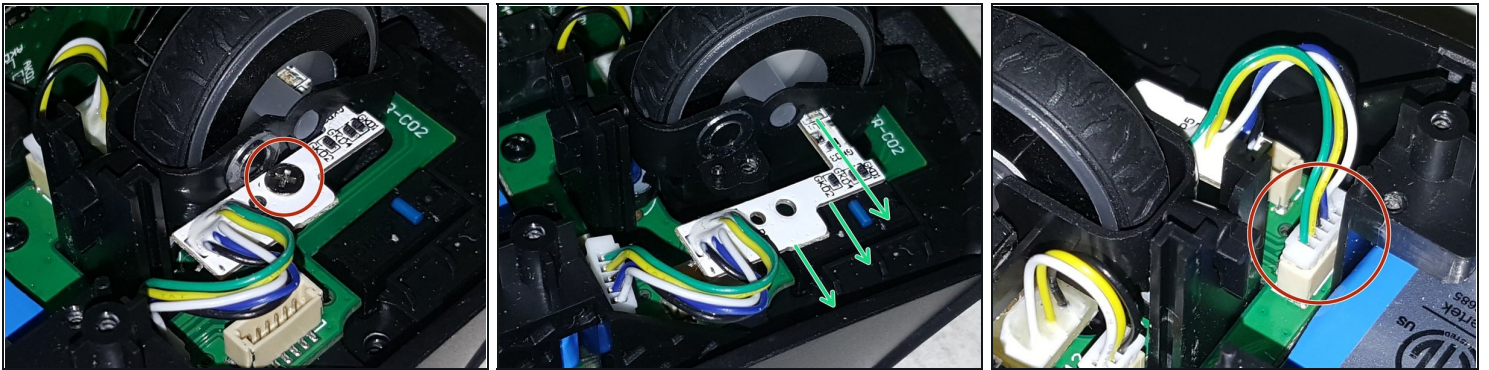
## Step 10 — Profile Switch Button, Rear RGB Zone



- Remove the two pan head Phillips screws holding the profile switch button in
  - Unclip the palm RGB zone board; these clips are rather flexible so it should come out easily
  - Unplug the profile switch button and rear RGB zone board from the plug near the scroll wheel
- ⚠ Take your time removing the plug to avoid snapping the scroll wheel RGB zone board
- ⓘ If desired, unplug this after removing the scroll wheel RGB board

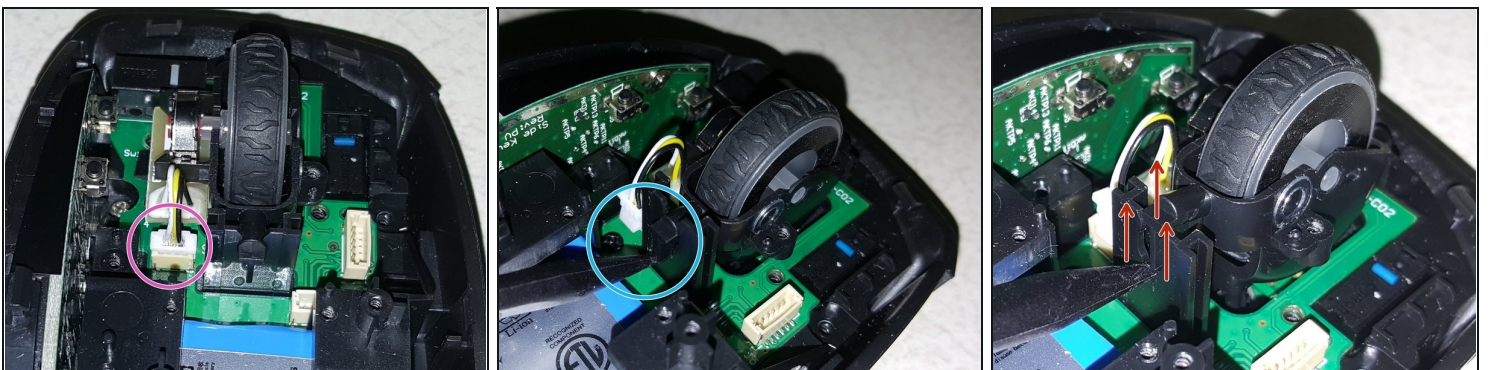


## Step 11 — Scroll Wheel RGB Zone



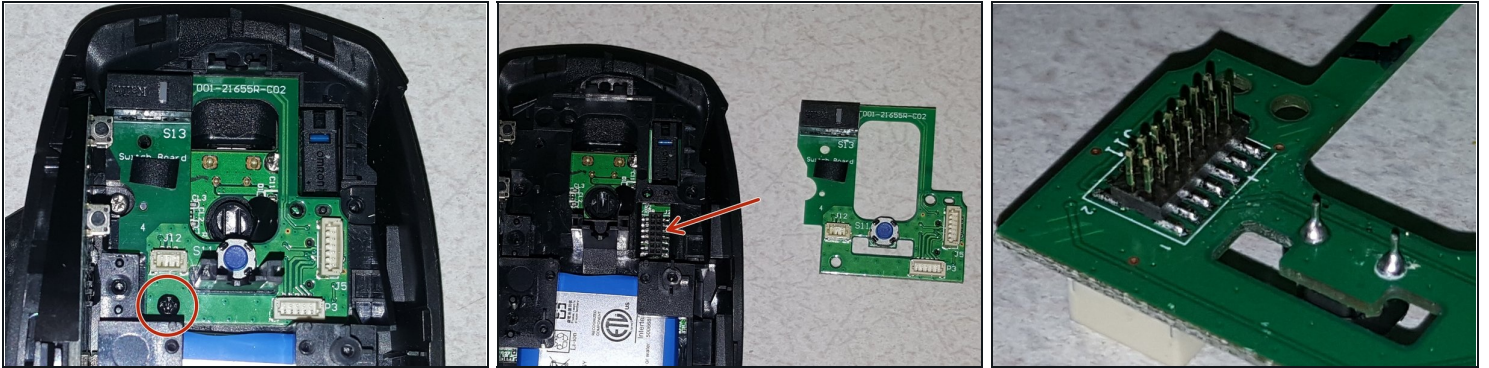
- Remove the pan head Phillips screw securing the scroll wheel RGB zone board
  - ⚠ The scroll wheel RGB zone board is very thin. Use caution to avoid bending or snapping it
- Slide the scroll wheel RGB zone board out of its slot. The LED and other components may catch on the top of the slot; take your time and work the board out carefully
- Unplug the scroll wheel RGB zone board at the indicated plug
  - ☑ If you chose to leave the profile switch and palm RGB zone board plugged in, unplug them after removing the scroll wheel RGB zone board

## Step 12 — Removing Mouse Wheel



- Disconnect the mouse wheel sensor cable from the main board
- Insert the flat end of a plastic spudger underneath the rear clip of the mouse wheel
- Using the spudger as a lever, push up on the rear clip to release it from the assembly
  - ⚠ Be careful as the mouse wheel could go flying when the clip releases

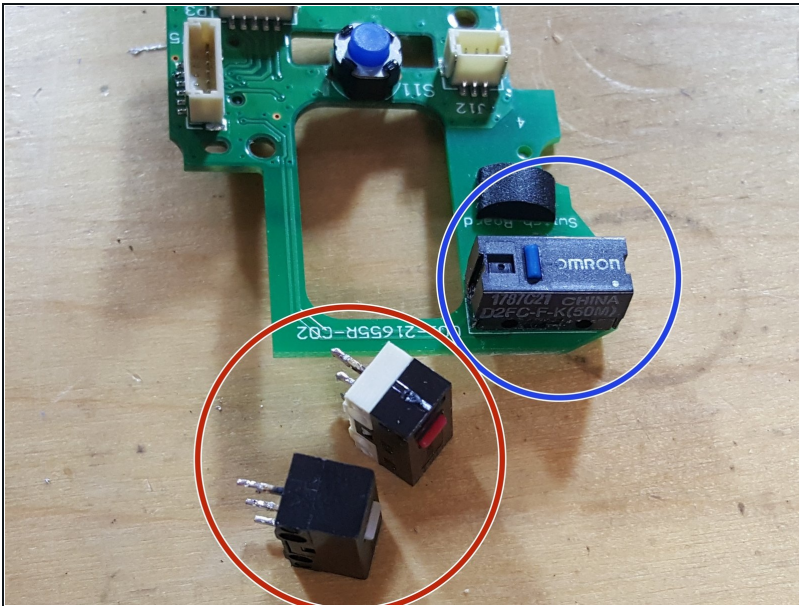
## Step 13 — Removing Top Board



- Remove the black round head Phillips screw holding the top board
- Lift the top board straight off of the bottom board

⚠ The top board connects to the bottom board via a pin connector. Use caution to avoid bending the pins when removing and reassembling

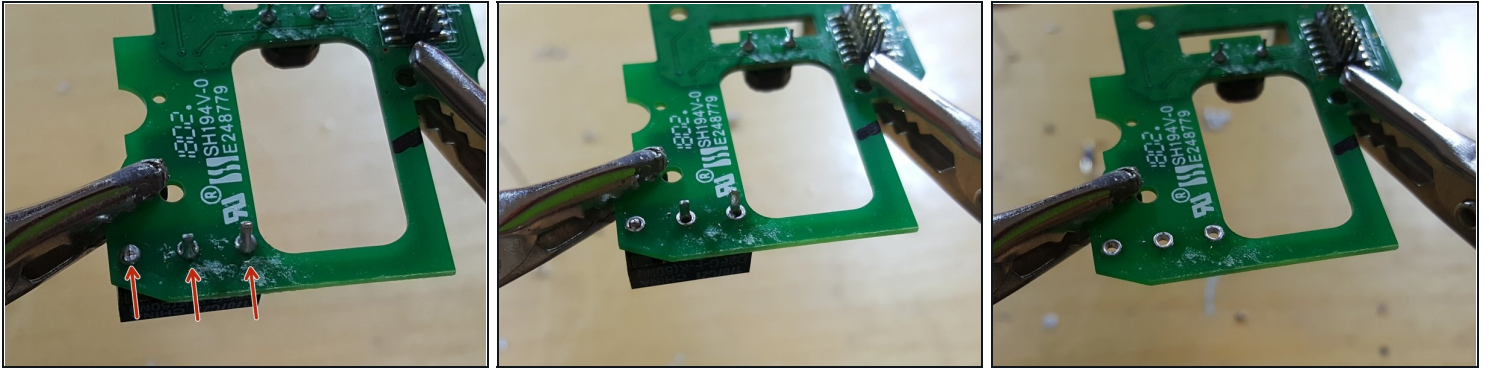
## Step 14 — Replacement Micro Switches



- There are a number of replacement mouse micro switches available for replacing a faulty one. The quality control on these is not the greatest so buying in at least pairs is advisable
- The original micro switch is an Omron D2FC-F-K(50M), the 50M referring to its lifetime click expectancy
- The replacement switches here are from a Lenovo mouse that was bundled in with a new computer. These switches are the right-click (black) and middle-click (black/white)
- ① Micro switches donated from another mouse ideally should have little to no use on them, otherwise you might be doing this repair again

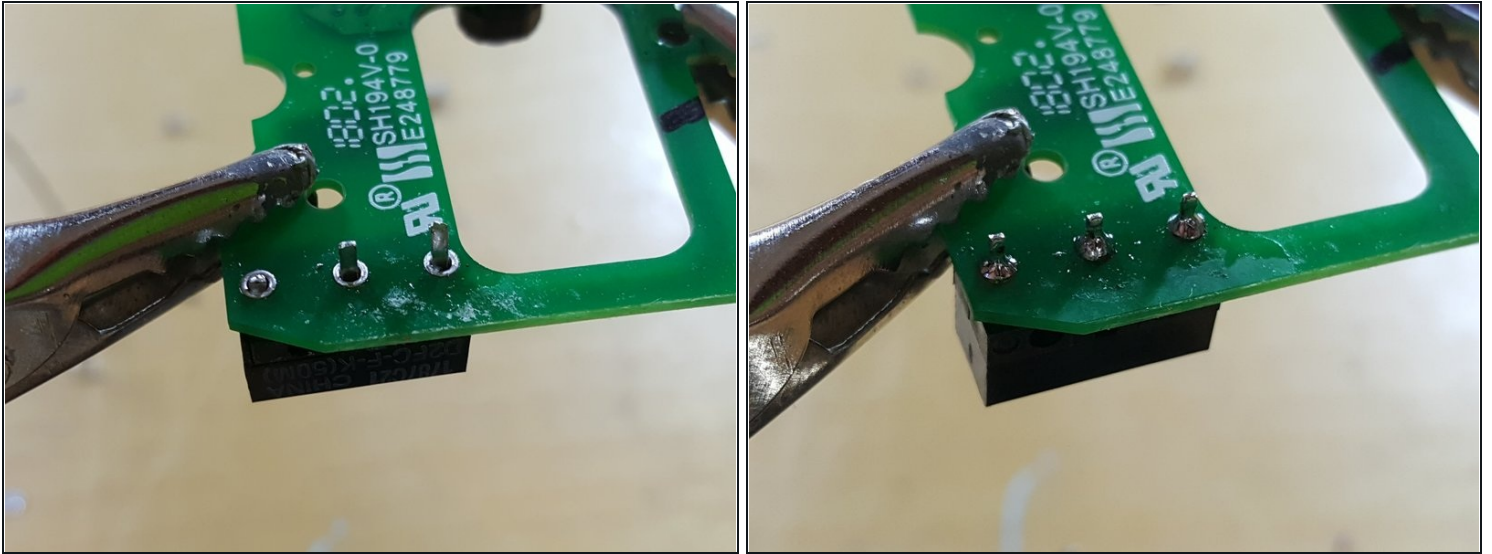


## Step 15 — Removing Faulty Microswitch



- Apply flux to where the faulty micro switch is soldered to the board
- Using a [solder sucker](#) pump in conjunction with your soldering iron, heat up the solder and then use the sucker to remove the molten solder
  - ⓘ Don't be afraid to put the solder sucker tip right up next to the soldering iron; it will only need to be in contact for a brief moment when you press the release button
- Remove the faulty micro switch once desoldered. You may need to heat up the pads while doing so
  - ⚠ Use a pair of tweezers to avoid getting burned if removing while applying the soldering iron

## Step 16 — Soldering on New Micro Switch



- Fit the new micro switch in place, noting the proper orientation
- Heat up one pad at a time with your soldering iron, adding fresh solder to the pin and pad
  - ⓘ Be sure that the micro switch stays in place when soldering
- Once the solder has cooled, clean the flux residue off with isopropyl alcohol

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To reassemble your device, follow these instructions in reverse order, taking care when closing up the plastic shells and noting which screws go where.