



HP 15-ay114cy Keyboard Replacement

This guide will show you how to replace the keyboard on your HP 15-ay114cy laptop.

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INTRODUCTION

This guide will teach you how to replace the keyboard on your HP 15-ay114cy laptop. This process is estimated to take around one hour and is a very invasive procedure. We recommend following the instructions exactly and taking pictures along the way to ensure screws and parts are reassembled appropriately. We also recommend the use of eye protection when using the metal spudger to pry the panel from the keyboard and a broom or vacuum to clean up the plastic dots after the fact. Happy fixing!




TOOLS:

- [iFixit Opening Tools](#) (1)
- [Metal Spudger](#) (1)
- [Phillips #0 Screwdriver](#) (1)

Step 1 — Orient the Laptop



- Orient the Laptop so the HP logo is facing the table and the battery tabs are accessible.

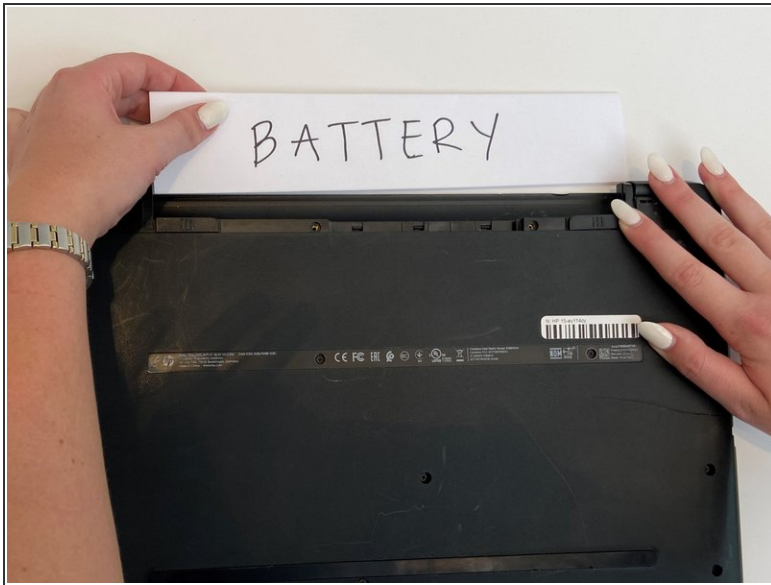
 Ensure the laptop is powered off before moving forward.

Step 2 — Push out the Battery



- Place your index fingers on each of the two battery holder clips.
- Using your index fingers, push the battery holder clips inwards (towards the center of the laptop).

Step 3 — Remove the Battery



- After the battery clips are pushed in, use either hand to grab hold of the battery.
- Gently push up to remove the battery.

Step 4 — Unscrew the Back Cover



- Use a Phillips #0 screwdriver to remove the 8 mm Phillips-head screws that are holding the bottom cover of the Laptop.

Step 5 — Remove the Disk Drive



- Grab a hold of the disk drive and carefully pull it away from the computer.
- Continue to slide the disk drive out of the laptop until fully removed.
- ⓘ Due to the removal of the battery, no power is available to open the disk drive through the use of the eject button.
- ⓘ Make sure to pull out the disk drive at a 90 degree angle as demonstrated. Do not attempt to wiggle the drive out of the laptop.
- ⚠ There will be resistance when removing the drive. Mishandling may cause broken wires, which could make your disk drive inoperative.

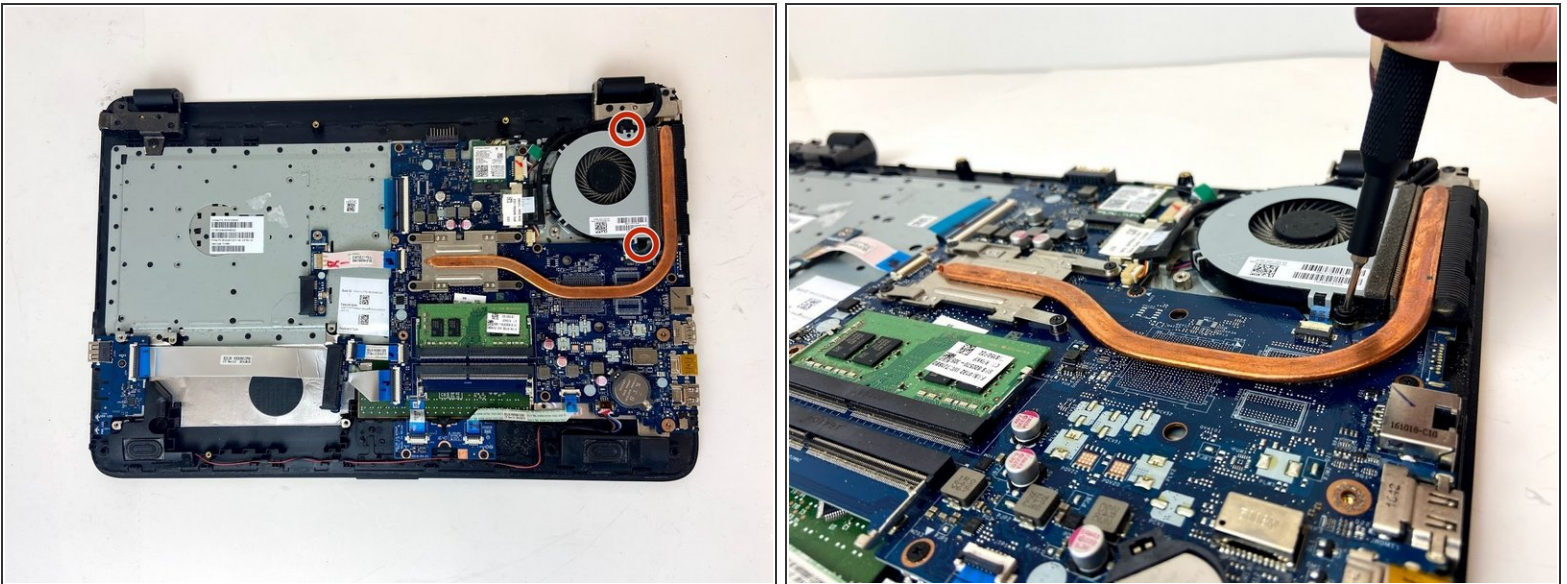
Step 6 — Remove the Back Cover



- Place a plastic opening tool in-between the upper and lower pieces of the bottom cover.
- Using your hands and the plastic opening tool, gently separate the cover from the frame.
- Slowly remove the bottom cover from the base of the laptop.

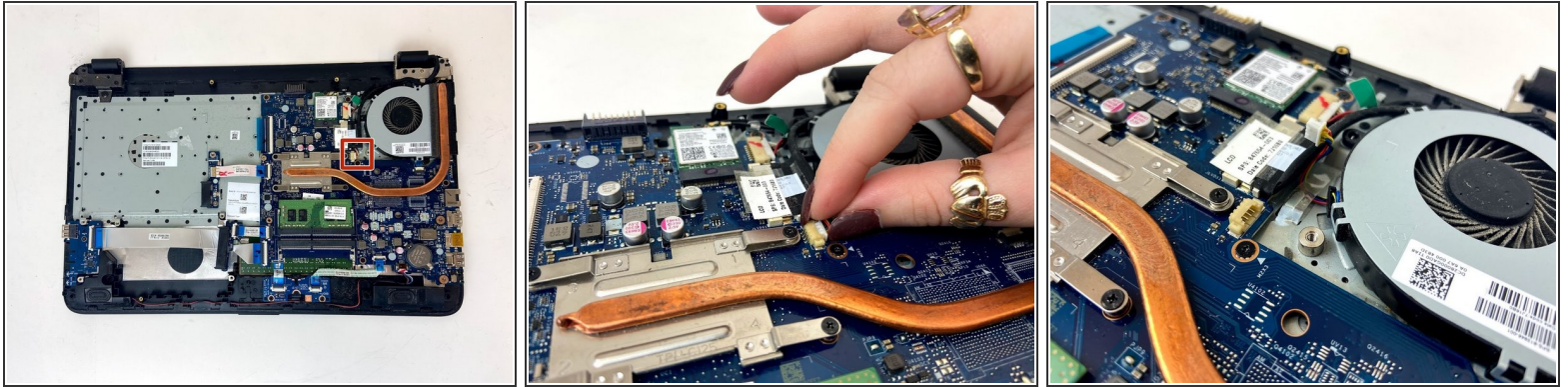
⚠ Using metal pry tools can damage your device.

Step 7 — Remove the Fan Screws



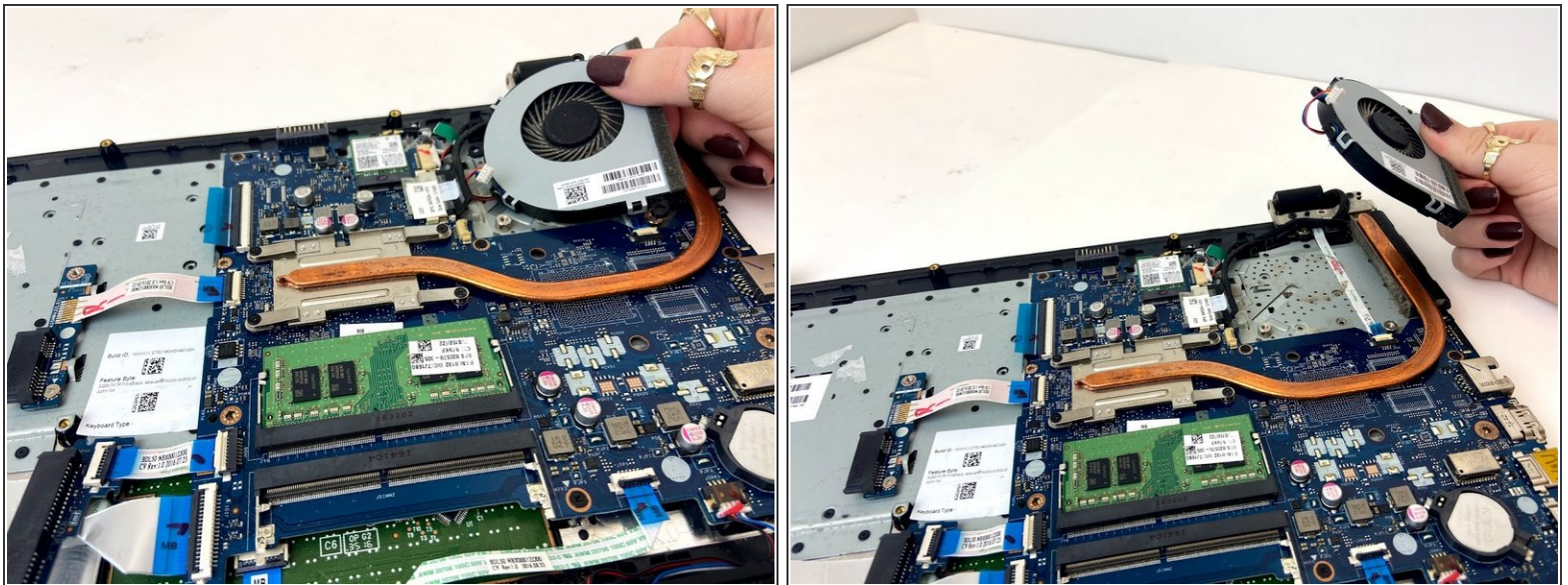
- Use a Phillips #0 screwdriver to remove the 8 mm Phillips-head screws that attach the fan to the base.

Step 8 — Remove the Fan Wire



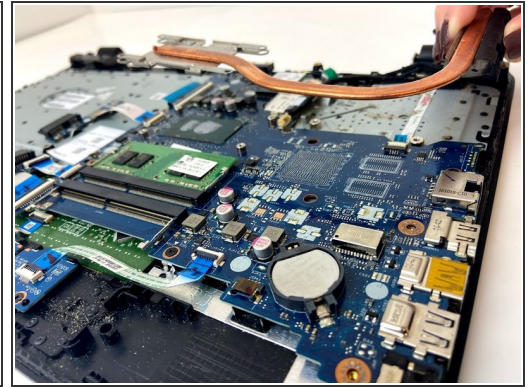
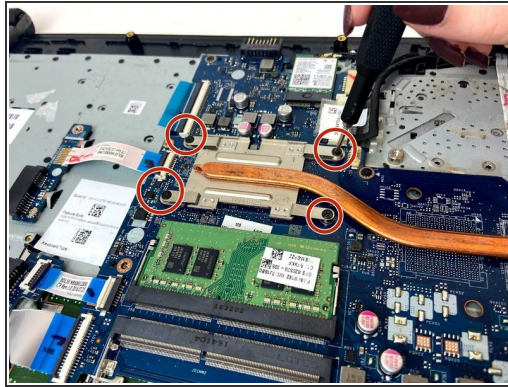
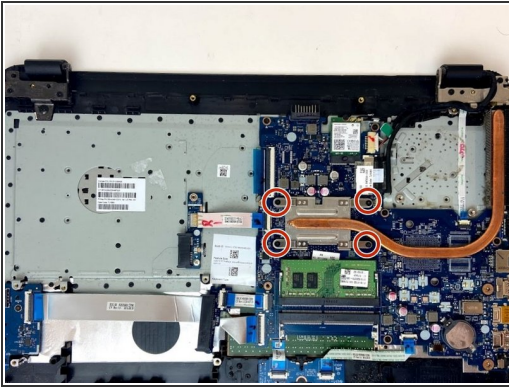
- Using your index finger and thumb, carefully grab the wire that connects the fan to the motherboard.
- Using a bit of force, remove the wire from the laptop.

Step 9 — Remove the Fan



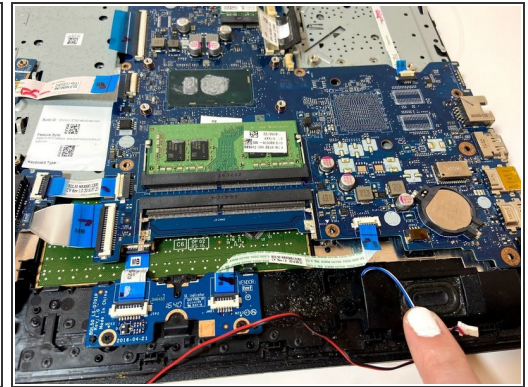
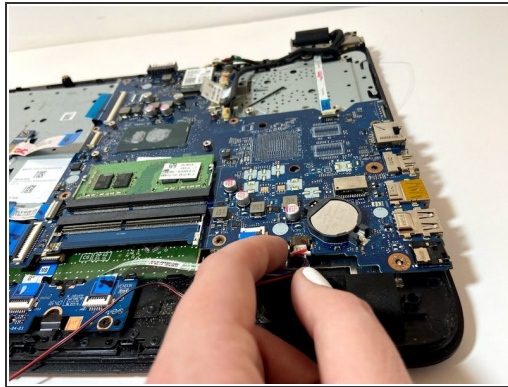
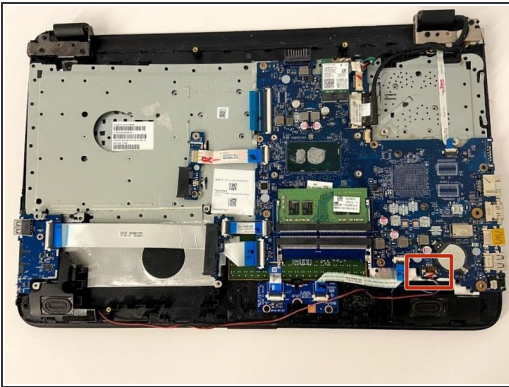
- Using your hand, grab one of the fan corners and pull up.
- Carefully remove the entire fan from the base of the laptop.

Step 10 — Remove the Laptop Vent



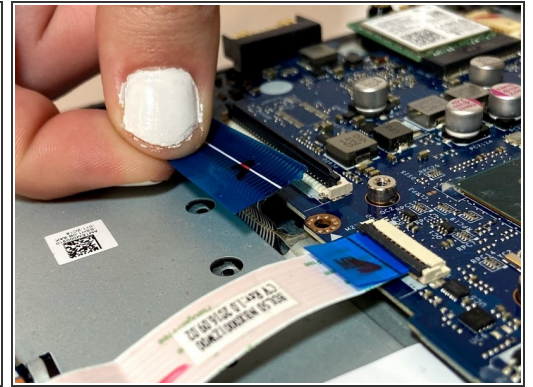
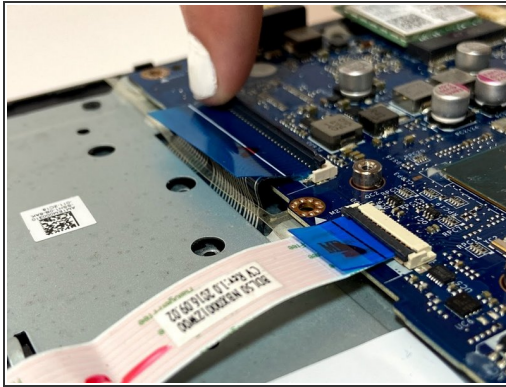
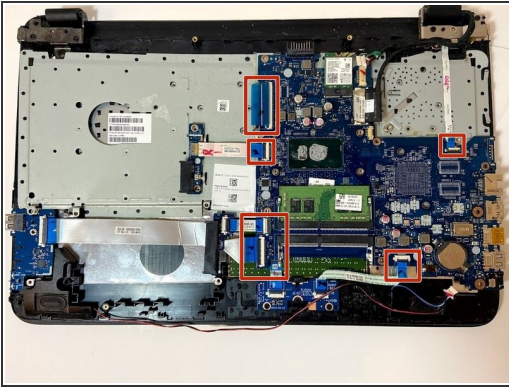
- Using the Phillips #0 screwdriver, unscrew the 2 mm Phillips-head screws that secure the laptop vent to the laptop base.
- Grasp one end of the vent and then carefully lift to remove it from the laptop base.

Step 11 — Remove the Speaker Wire Connection



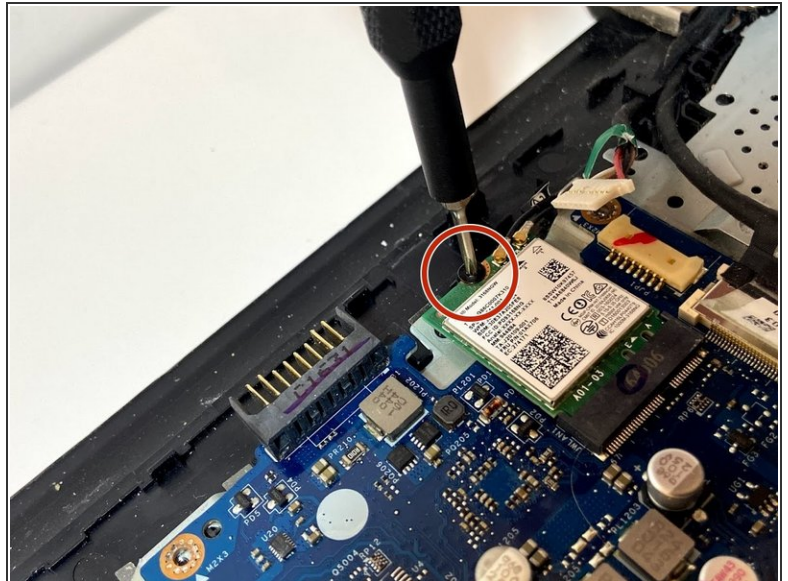
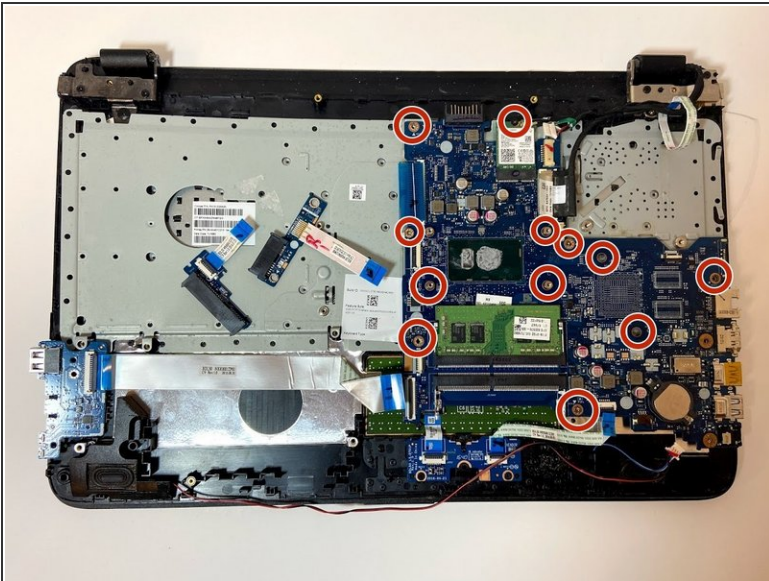
- Using your index finger and thumb, gently grasp the Audio/USB board wire connection.
- Forcibly pull back on the wire connection to remove the speakers and wires from the Audio/USB board.

Step 12 — Remove the Wired Connections



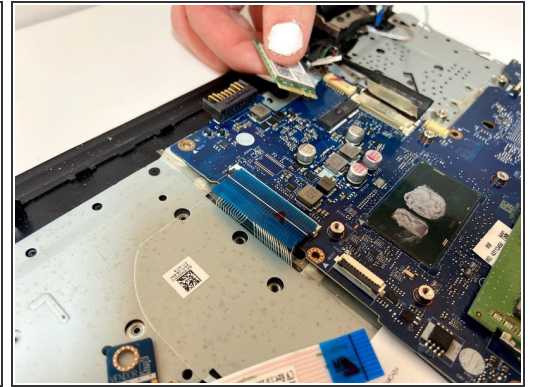
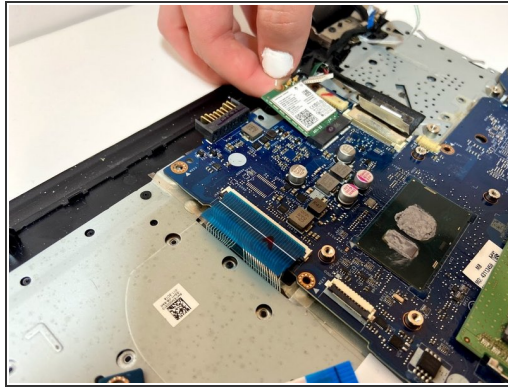
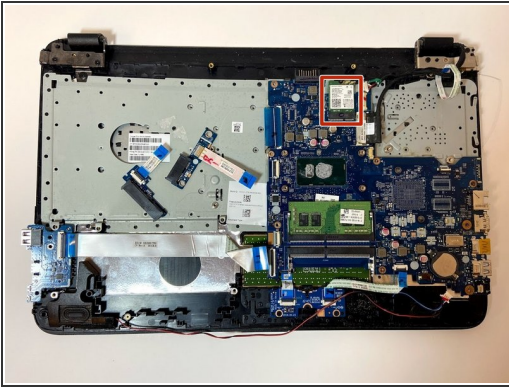
- Place your index finger on the plastic ridge of each of the 7 blue tab indicators connected to the Audio/USB board.
- Using your index finger, lift up the black tabs to release the connection.
- Gently pull the wired connections from the Audio/USB board.

Step 13 — Remove the Screws from the Base



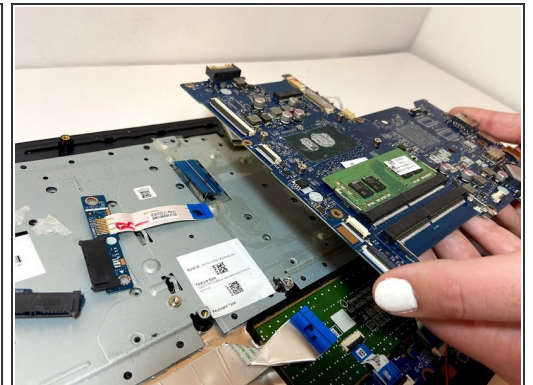
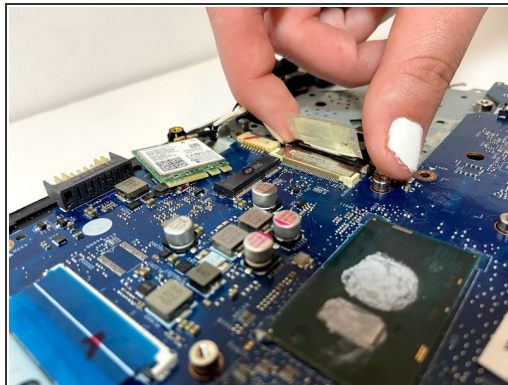
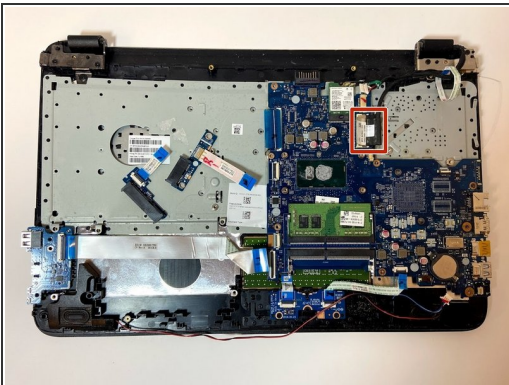
- Using a Philips-head #0 screwdriver, unscrew the 2 mm Phillips-head screw that secure the Audio/USB board to the laptop base.

Step 14 — Remove the Wireless Card



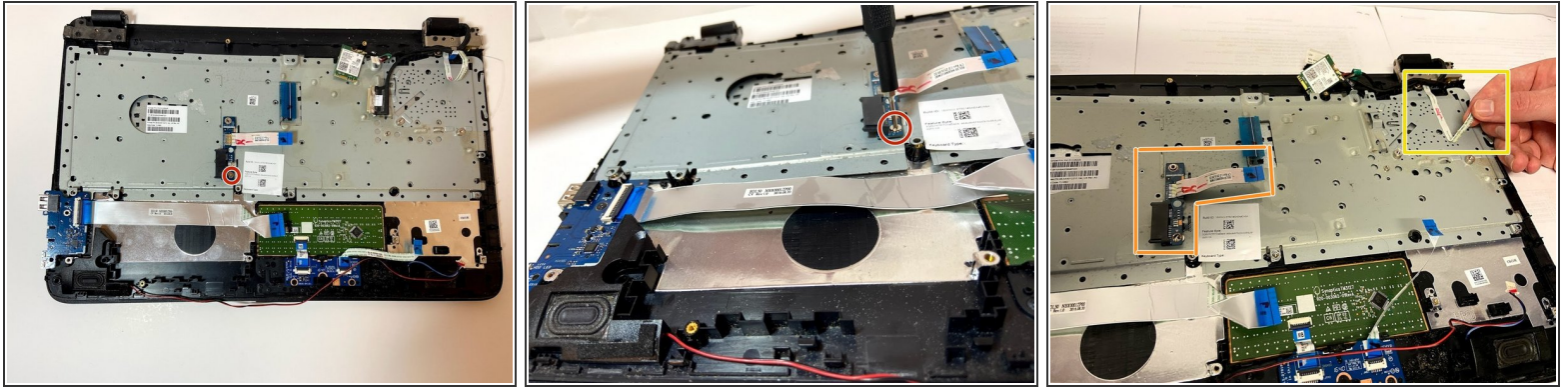
- Use your index finger and thumb to gently grasp the green wireless card then pull the card back by lifting up and out away from the Audio/USB board.

Step 15 — Remove the Audio/USB Board



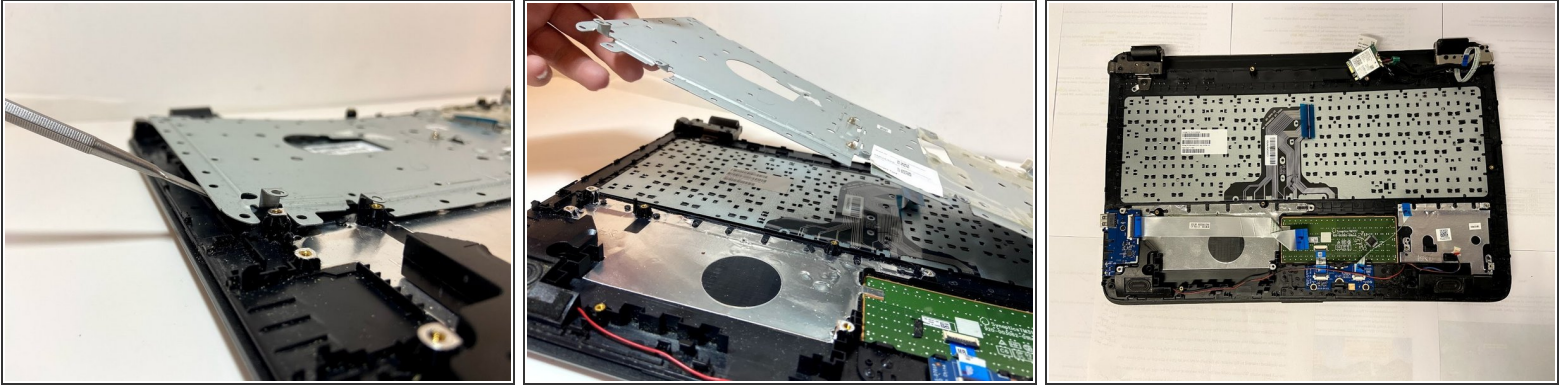
- Use your index finger and thumb to gently grasp the Audio/USB board's power connection and remove it from the Audio/USB board.
- Carefully grasp an end of the Audio/USB board and gradually lift it up and away from the laptop.

Step 16 — Remove the Circuit



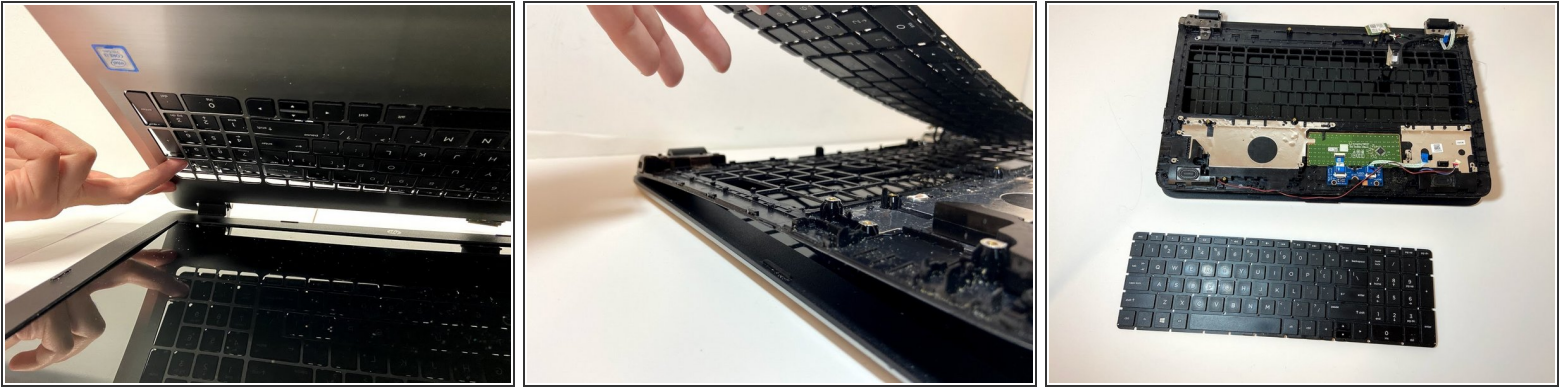
- Unscrew the silver 2 mm Phillips #0 screw holding on the blue circuit/dock and place it to the side.
 - Gently lift up to remove the blue circuit board from the silver panel.
 - Peel the 3M tape towards the battery compartment to un-stick it from the panel.
- i** Note: Check for any other screws which may prevent you from removing the silver panel.

Step 17 — Remove the Panel



- Insert the flat end of the metal spudger into one of the panel corners and lift up on the pry tool. This action will separate the panel from the laptop frame.
 - Steadily pry around the edges of the rectangular panel in a clockwise rotation.
 - Lift up the silver panel cover to remove it and place it to the side. This will reveal your keyboard assembly.
- i** When using the pry tool to separate the panel, you will hear popping and also will see small plastic bits break off of your device.
- !** Due to the likelihood of plastic projectiles, we recommend the use of eye protection when performing this task.
- !** Using the metal spudger pry tool may damage your device. Be careful not to put too much pressure on the plastic frame, as it may cause bending and cracking.

Step 18 — Remove the Keyboard



- Carefully open the laptop and push up on one of the keys. This will allow you to grab the keyboard from the edge and remove the keyboard assembly from the device.

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