



iPhone 5 Teardown

We will be tearing down the iPhone 5 to our best ability to create a guide for our project: Repair Manifesto.

Written By: Conner Stanton



INTRODUCTION

This guide was created by students Conner Stanton and Gerrit Vanderveen at Central Coast New Tech High. It will go through the complete tear down of an iPhone 5.

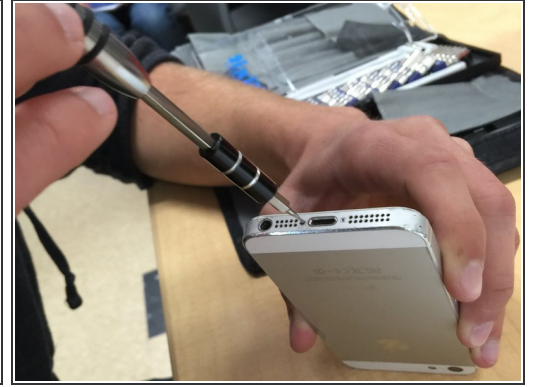
This is a user-submitted teardown, not a repair guide. If you're looking to perform a repair on your iPhone 5, head to the [iPhone 5 device page](#) for our full list of iPhone 5 repair guides.



TOOLS:

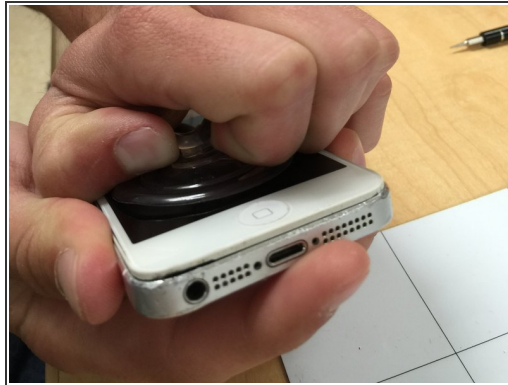
- [Essential Electronics Toolkit](#) (1)
-

Step 1 — Remove these screws



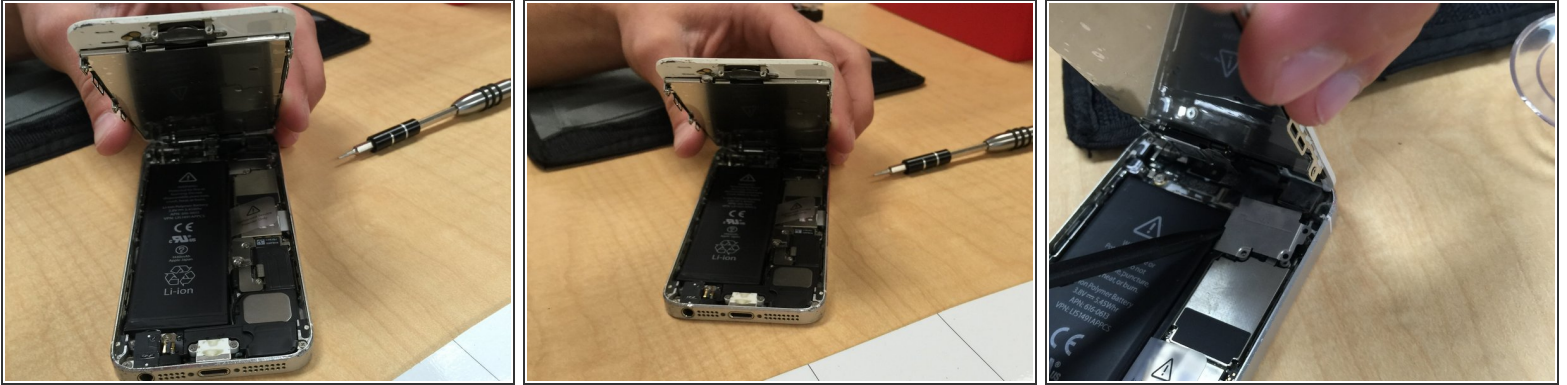
- To start the teardown, remove the two screws near the bottom.

Step 2 — Remove your screen



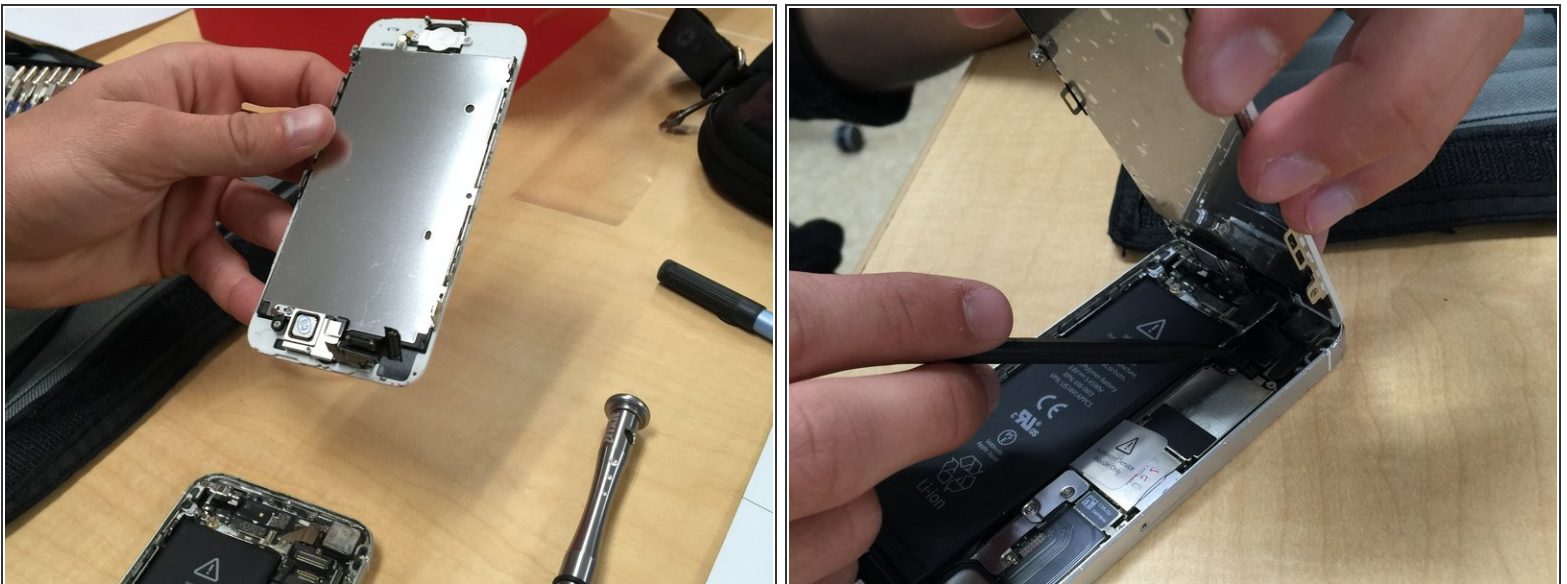
- Use a suction cup to pull of the screen.
- Hint: Be careful, as you do not want to pull out any wires.

Step 3 — Remove the metal plate



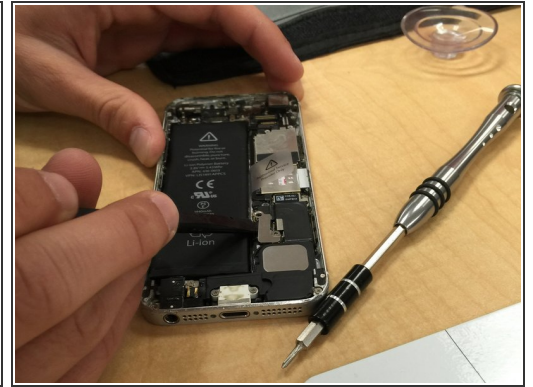
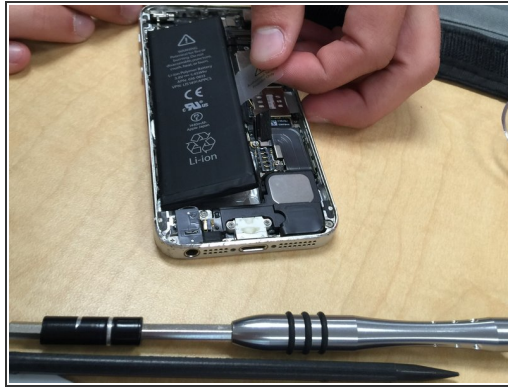
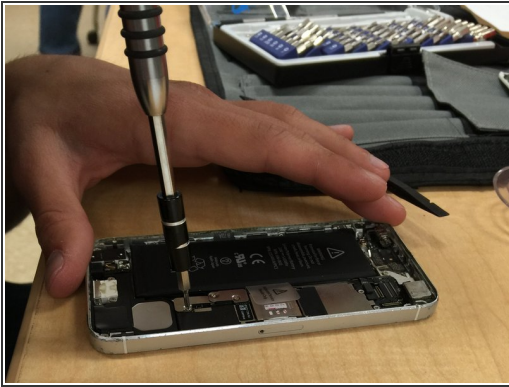
- Now remove the bracket encasing the screen cables.
- Remove all of the screws surrounding the metal plate.
- Use a plastic spudger to remove the metal plate once unscrewed.

Step 4 — Remove the wires and screen



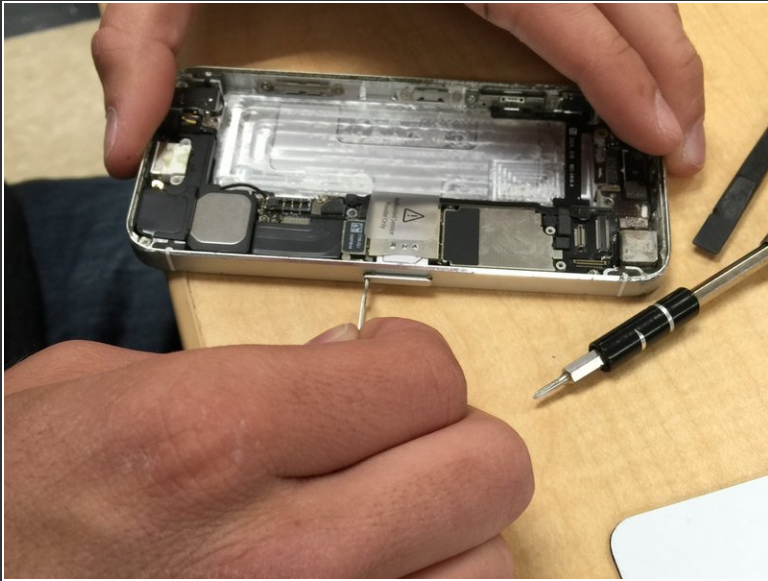
- Disconnect the cables that attach the screen to the board.
- Then simply pull the screen away from the base.
- Make sure that all connectors have been disconnected.

Step 5 — Remove the battery



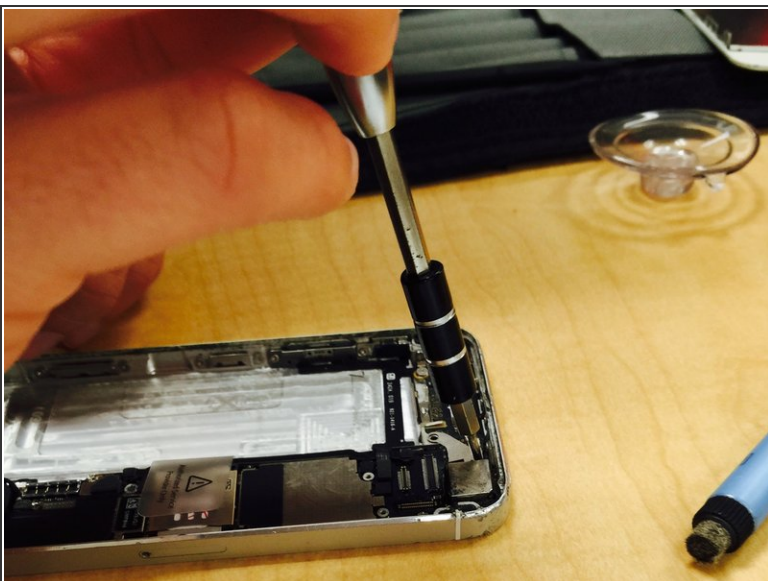
- Disconnect the battery from the device.
 - First, remove the 3 screws above the battery connector.
 - Use a plastic spudger to remove the metal plates.
 - Take the battery connector out of its socket.

Step 6 — Remove the SIM card



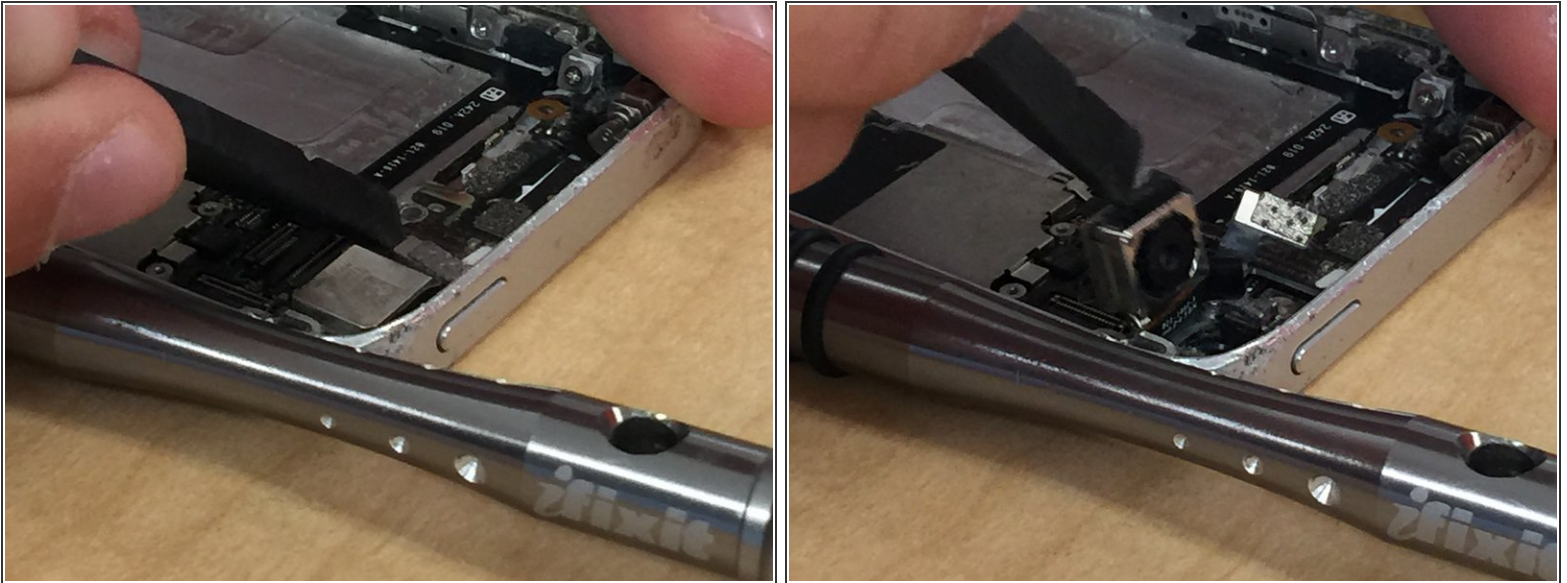
- Remove the SIM card with a paper clip or a SIM card ejector.
- Push your paper clip or SIM card ejector into the small hole on the right side of your device.
- Push as hard but as gently as possible until it starts to come out. Then use your fingers to take it the rest of the way out.

Step 7 — Remove camera cover



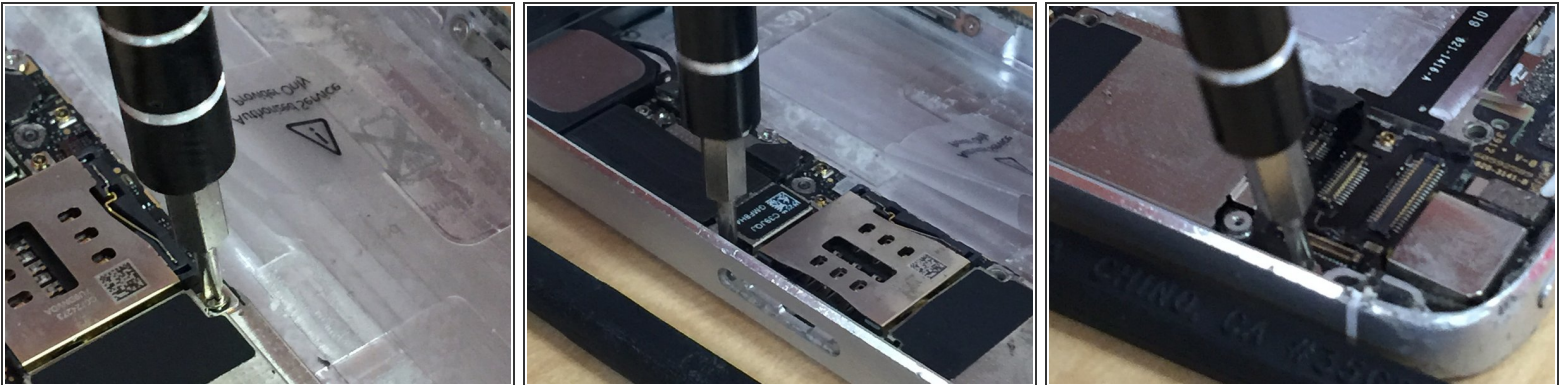
- Remove the metal cover near the camera module to reveal the screw and camera connectors

Step 8 — Remove the camera



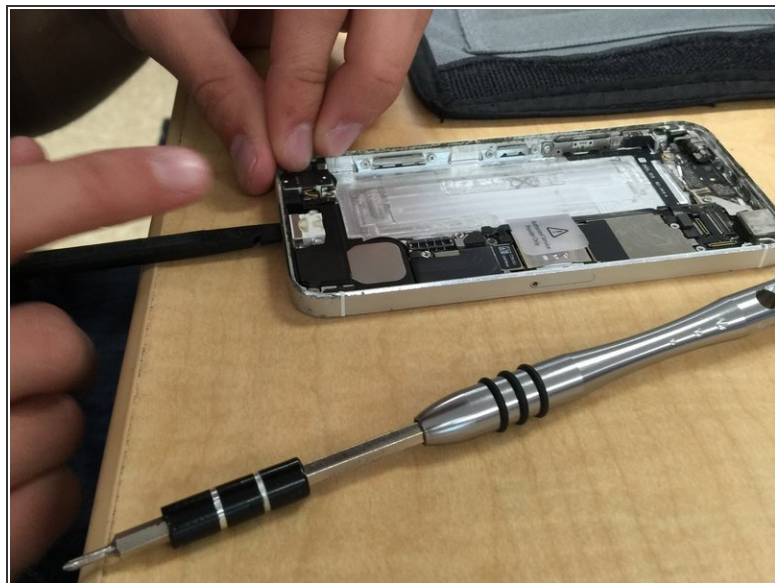
- Remove the connector next to the camera from its port and then lift the camera module away from the phone.

Step 9 — Remove the surrounding screws



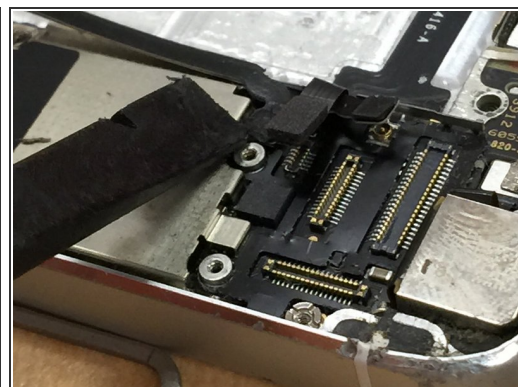
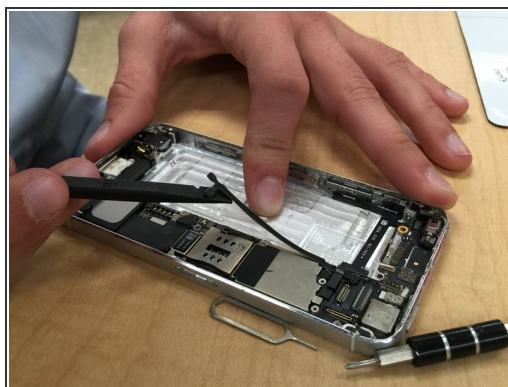
- Remove the screws surrounding the IO board in all locations.

Step 10 — Remove the bottom screws



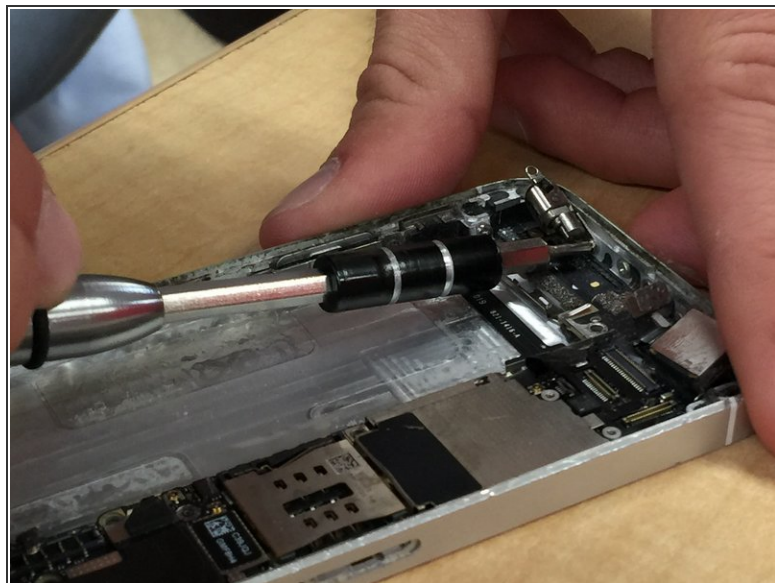
- Take out the screws surrounding the power port.

Step 11 — Remove extra connections



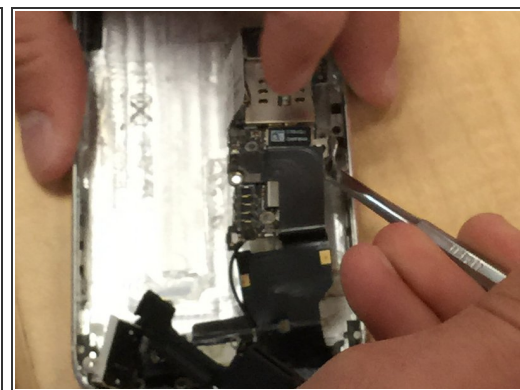
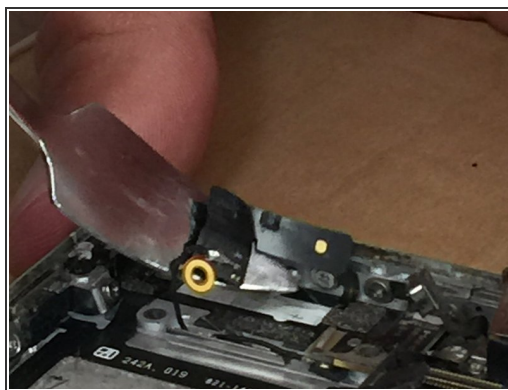
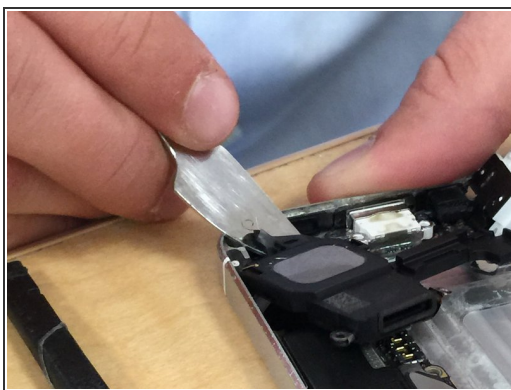
- Find each cable within these 3 pictures and carefully take them off of the IO board.

Step 12 — Take out the vibrator



- Unscrew the screw holding onto the vibrator.
- Pry the vibrator off with a plastic spudger.

Step 13 — Remove the IO board



- Start to pull up the adhesive parts of the IO board.
- Slowly remove the main parts of the IO board.
 - Unscrew any screws that are stopping you from completely taking the IO board out.

Step 14 — You're done!



- And now you're finished!
- For reassembly, follow these steps in reverse order.
- This tear down was a lot of fun for me and my team member. We learned a lot about the inside of the iPhone 5 and everything went according to plan. Next time, we want to actually fix a problem to get it working again.