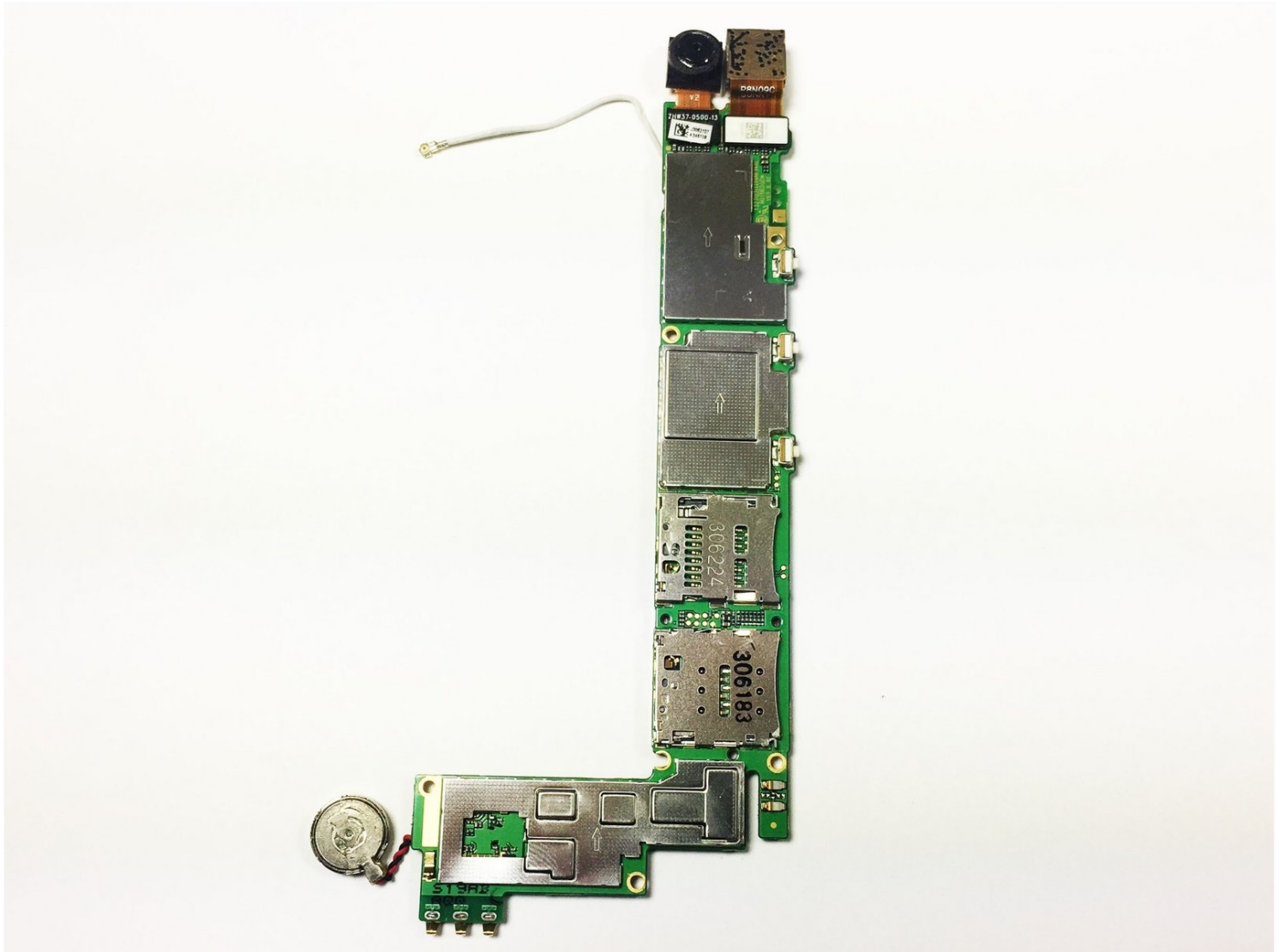




# Huawei Ascend P6-U06 Motherboard Replacement

Replace the motherboard to give your phone a...

Written By: Victor Munoz



# INTRODUCTION

Replace the motherboard to give your phone a fresh start.

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## TOOLS:

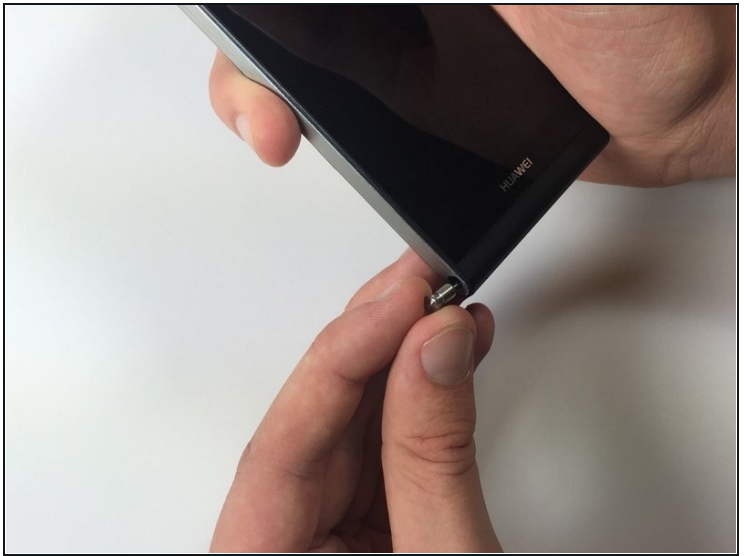
[Phillips #000 Screwdriver](#) (1)

[iFixit Opening Tool](#) (1)

[Spudger](#) (1)

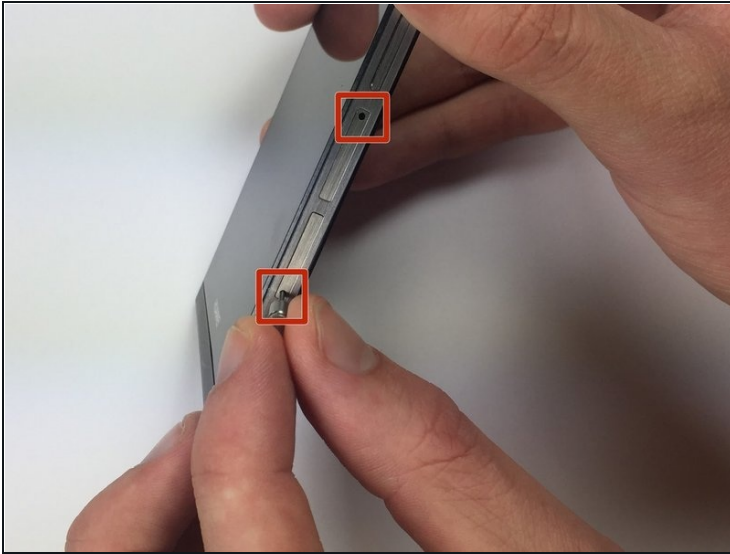
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## Step 1 — SIM Card



- Pull and twist the pin near the bottom left-side of the phone to remove it from the headphone jack.

## Step 2



- Insert the pin into the SIM card opening located on the right-side of the phone.
- Gently push in until the SIM card clicks, and then pull the pin and SIM card out.
- Repeat this process for the additional SIM card.

## Step 3 — Back Panel



- Firmly push down on the black plastic covering at the bottom of the phone, and pull down.
- ① You may need a sharp thin object to get underneath the plastic.



## Step 4



- Rotate the phone 180 degrees so that the bottom of the phone is now facing up.
- Firmly push up on the back panel with your thumbs.
- Lift up the back panel from the top right corner and gently pull it away from the phone.

## Step 5 — Battery



- Remove the following screws securing the logic board to the main frame:
  - Five 2mm Phillips #000 screws
  - Two 2.5mm Phillips #000 screws

## Step 6



- Push down the yellow plastic lining at the top of the battery and remove the two 2.5mm Phillips #000 screws.

## Step 7



- Use the flat end of a spudger to gently snap open the first clip located on the the right arm of the retaining plate.
- Use the flat end of a spudger to gently snap the second clip located on the left arm of the retaining plate.
- Use the flat end of a spudger to gently lift the upper retaining plate from the phone.

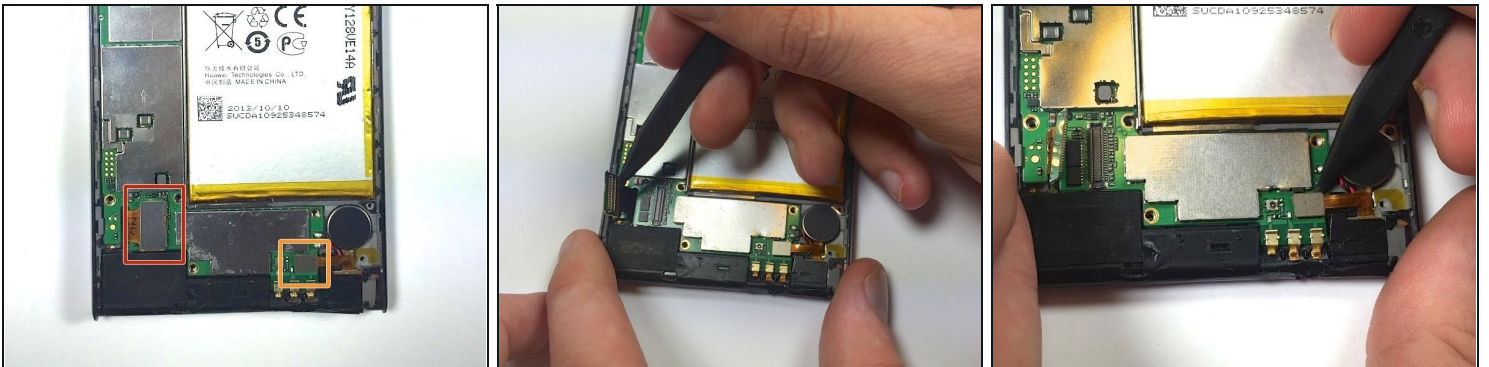


## Step 8



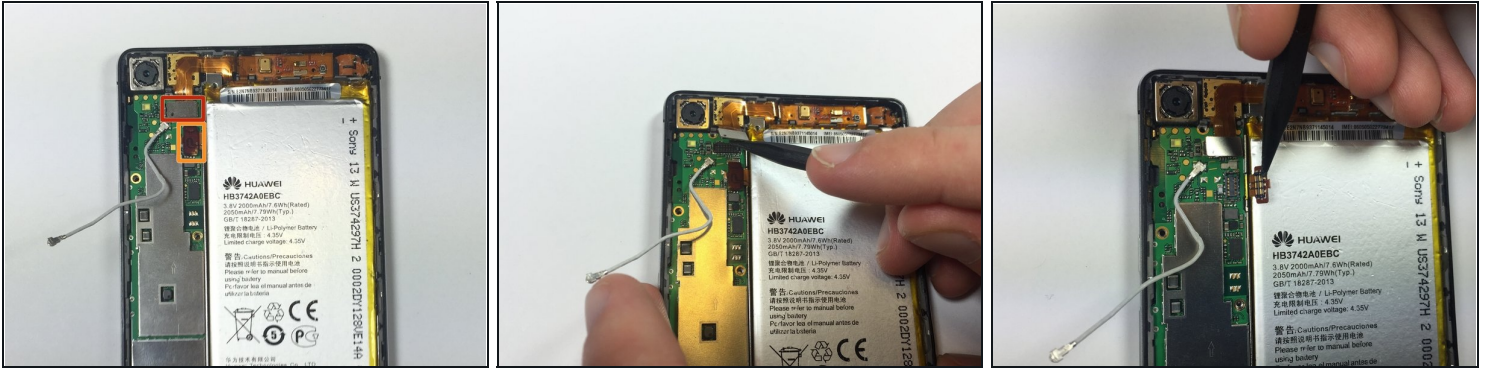
- Use the pointy end of a spudger to pry the antenna connector off of its socket.
- ☒ Upon reassembly, you will hear a "click" that indicates the pin has been properly reconnected.

## Step 9



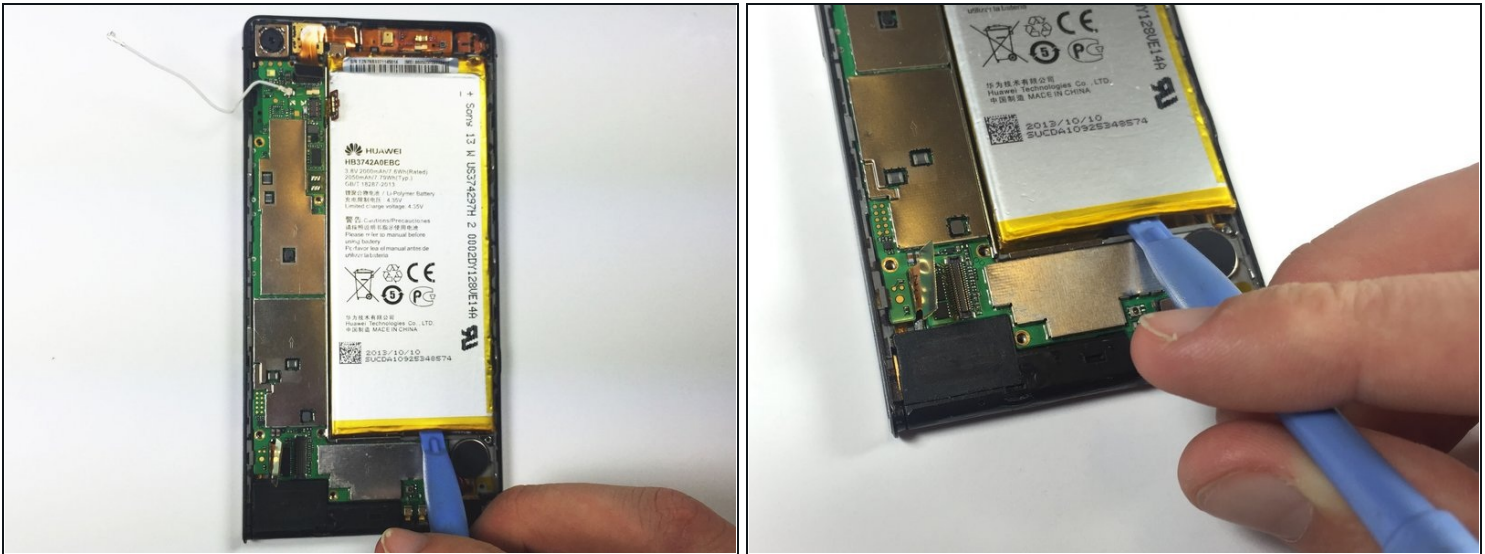
- Use the pointy end of a spudger to gently pry the following connectors out of their sockets:
  - silver LCD cable connector
  - silver Headphone jack cable connector

## Step 10



- Use the pointy end of a spudger to gently pry the following connectors out of their sockets.
  - Silver Micro-USB cable connector
  - Copper battery cable connector

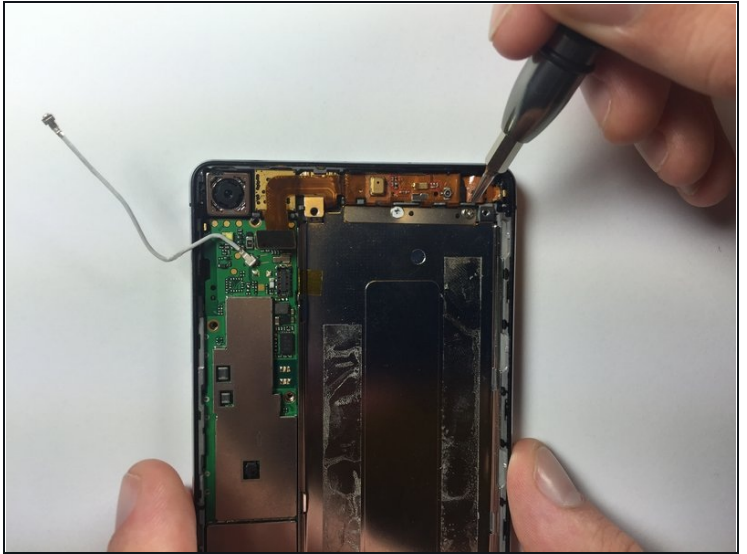
## Step 11



⚠ Be careful not to bend, puncture, or crush the battery, even if it is being replaced. The battery can potentially release toxic and flammable chemicals.

- Use a plastic opening tool to gently lift up the battery from the bottom end.
- ⓘ You may need to loosen the adhesive under the battery with slow sawing motions.

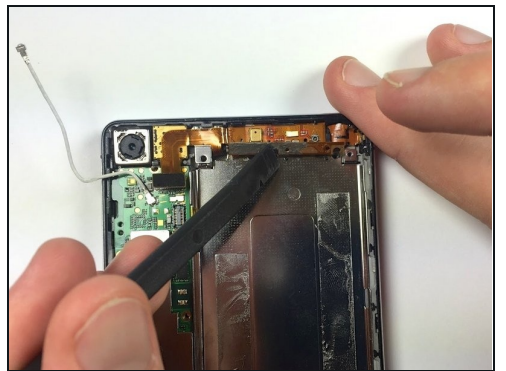
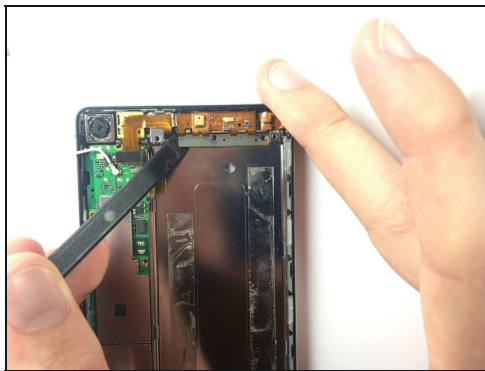
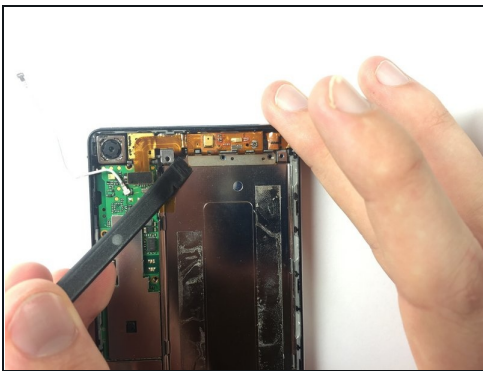
## Step 12 — Micro-USB Flex Cable



- Remove the two 2mm Phillips #000 screws securing the copper flex cable to the silver metal tab.

⚠ The screw on the left has white paint on the top. Chipping the paint will void any warranty you have for your phone.

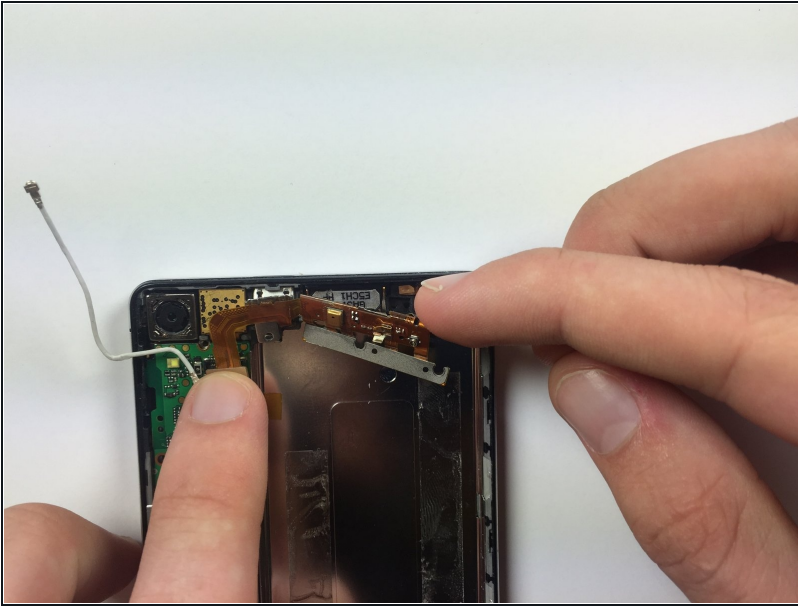
## Step 13



- Wedge the flat end of a spudger underneath the bottom left of the metal tab.
  - Run the spudger along the bottom edge of the metal tab and gently pry upward.
- ⓘ Adhesive under the metal tab will make lifting the tab slightly tedious. The adhesive will come off as long as you gently run the spudger along the bottom of the tab.



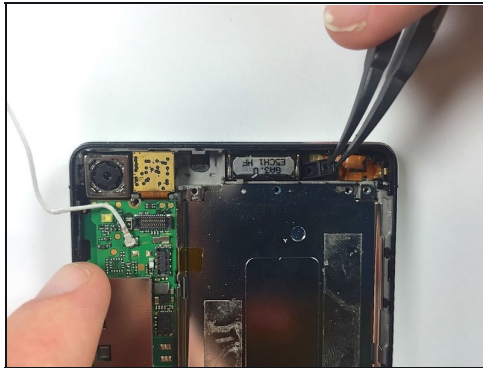
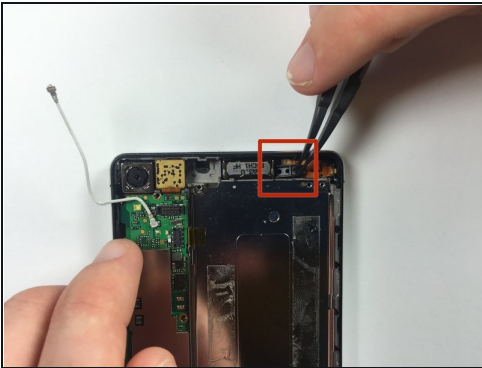
## Step 14



- Gently lift the flex cable from the top-right corner.

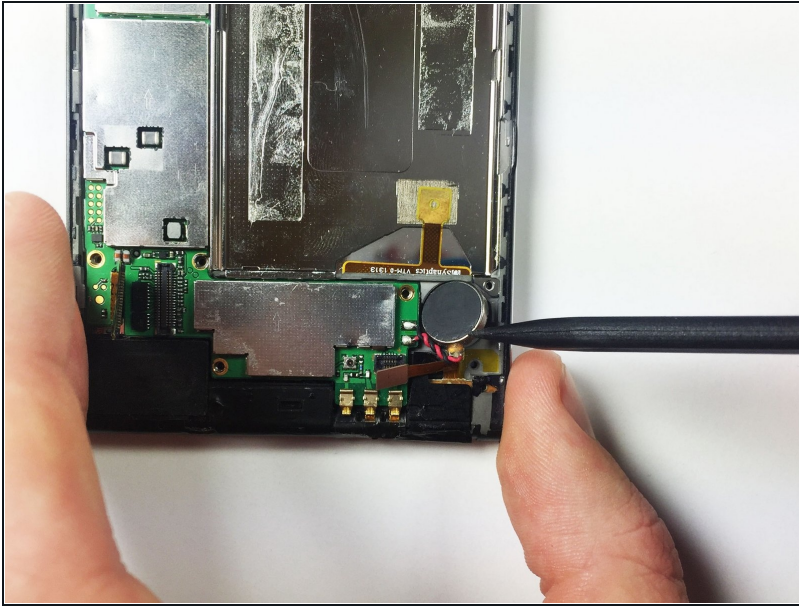
⚠ Do not use excessive force when removing the flex cable. Doing so may tear the cable.

## Step 15



- Use [tweezers](#) to lift the rubber alignment tab out of its frame.

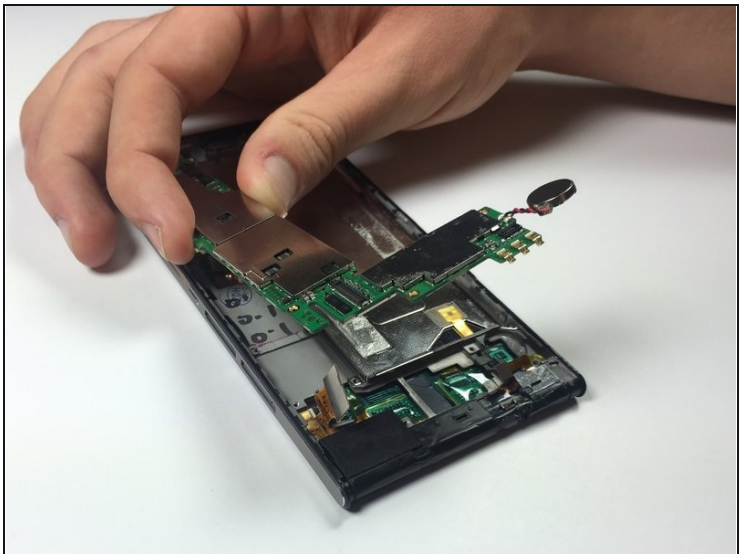
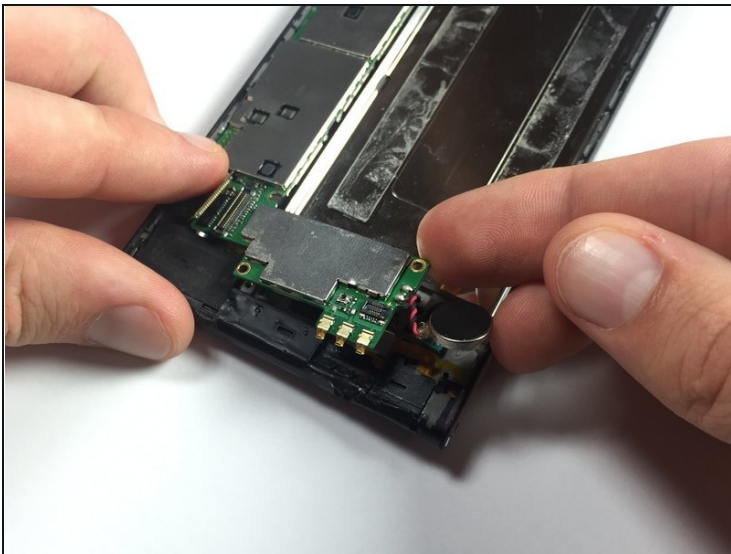
## Step 16 — Motherboard



- Use the pointy end of a spudger to wedge underneath the black circular vibrator motor near the bottom right of the phone.
- Slowly lift up to separate the black circular vibrator motor from the adhesive.
- ① The vibrator motor will remain connected to the motherboard by two red and black wires.

⚠ Be careful not to tear the red and black wires. If damaged, they will require soldering.

## Step 17



- Hold down the bottom left corner of the motherboard and slowly lift the right side out of the main frame.
- Gently wiggle the logic board to release it from the phone.

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