



# HTC Evo 3D Motherboard Replacement

Guide on how to remove and replace the motherboard in an HTC Evo 3D. This replacement can fix a number of problems with the cell phone.

Written By: Matthew Pope



## INTRODUCTION

This is a guide on how to remove and replace the motherboard on an HTC Evo 3D. Replacement of the motherboard the motherboard can help fix numerous problems that are related to the motherboard. A few examples may include a faulty headphone jack, broken camera, broken charging port, over heating, etc. This guide includes the use of specific tools and possible hazards that may damage or harm the phone.

### TOOLS:

- [Precision Tweezers Set \(1\)](#)
- [Screwdriver \(1\)](#)
- [iFixit Opening Tools \(1\)](#)

## Step 1 — Motherboard



- Remove the outer casing of the phone with your hands by prying and lifting at the latch.

## Step 2



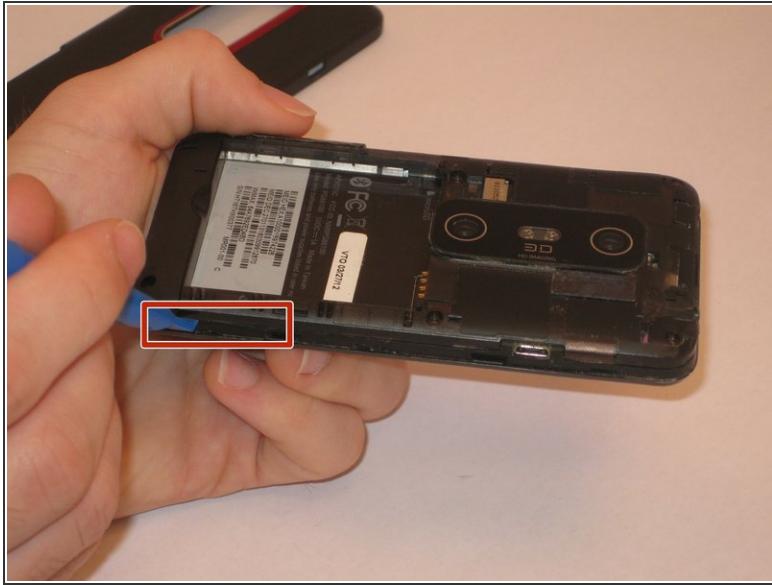
- Remove the battery with your hands, lifting at the marked area.
- Remove the SD card by gently pulling down on the bottom of the card.

## Step 3



- Remove the four T5 screws using the corresponding screwdriver.
- Remove the two J000 screws using the corresponding screwdriver.

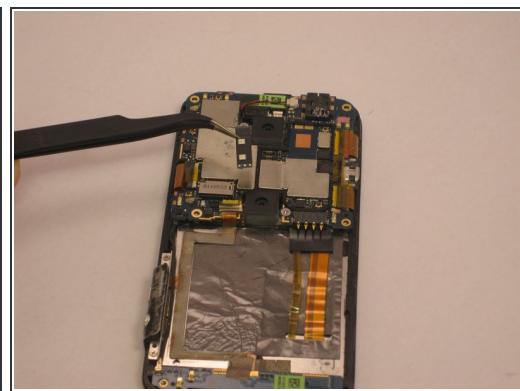
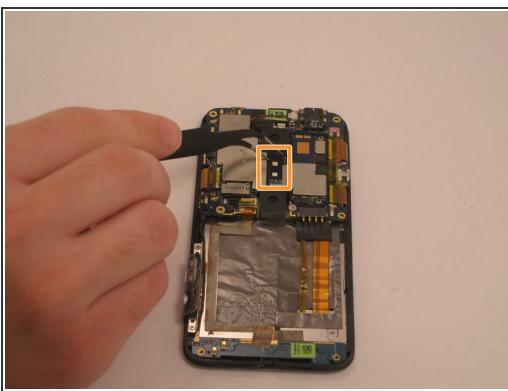
## Step 4



- With the battery, SD card, and screws removed, the inner case of the phone can now be removed.
- Using the plastic opening tool, pry the inner case off at the marked area. Continue prying around the entire perimeter of the phone.
  - This will remove the inner case, and allow access into the inner portion of the phone.

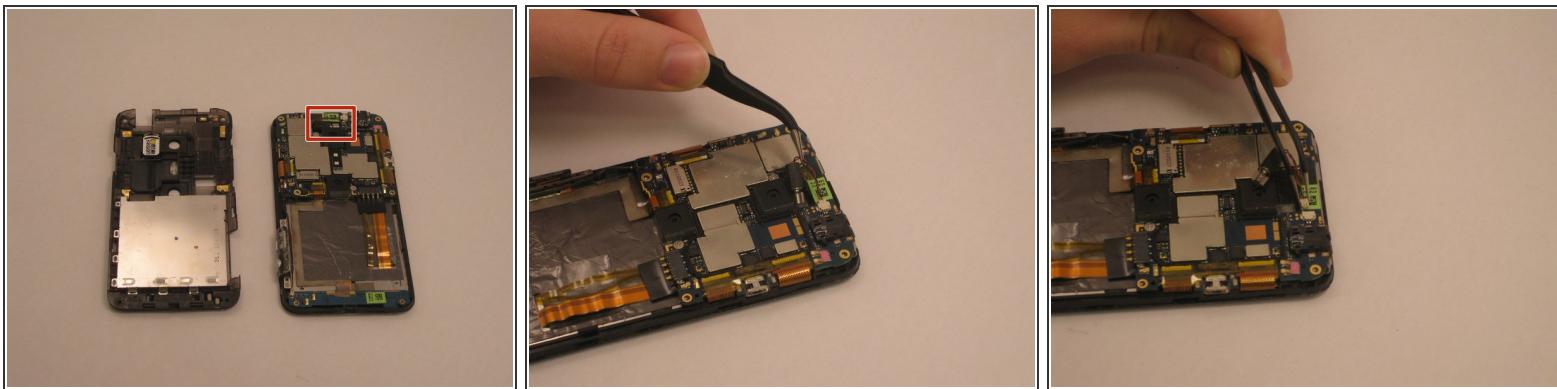
 Be sure not to rip or damage the ribbons inside this shell.

## Step 5



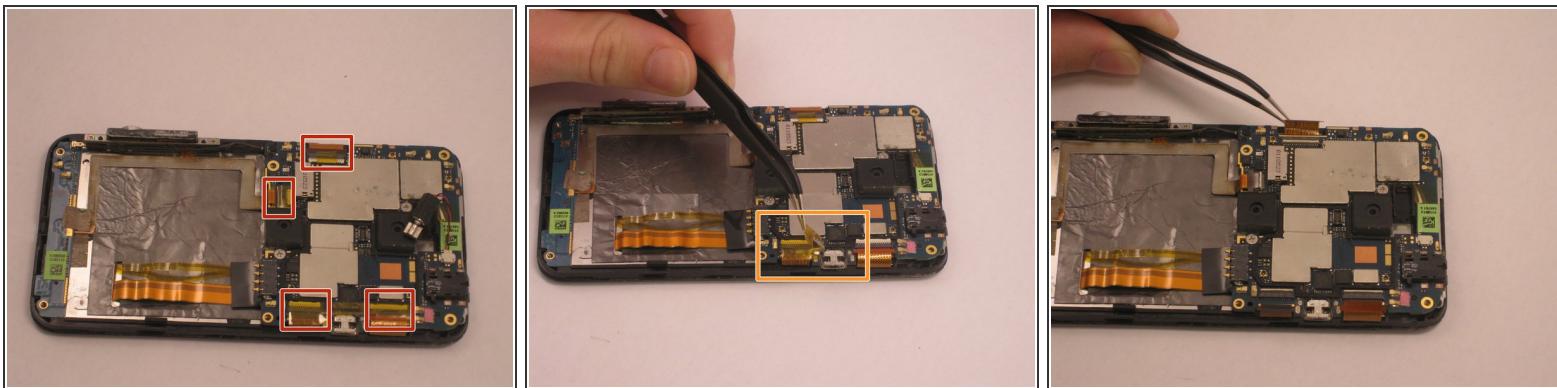
- Pictured here is the motherboard.
- Using precision tweezers, remove the flash mechanism by prying the sides of the piece.

## Step 6



- Next we will remove the vibration mechanism shown here.
- Using precision tweezers or fingers, gently pull on the wires connecting the vibration mechanism to the motherboard.
- The piece should come loose easily.

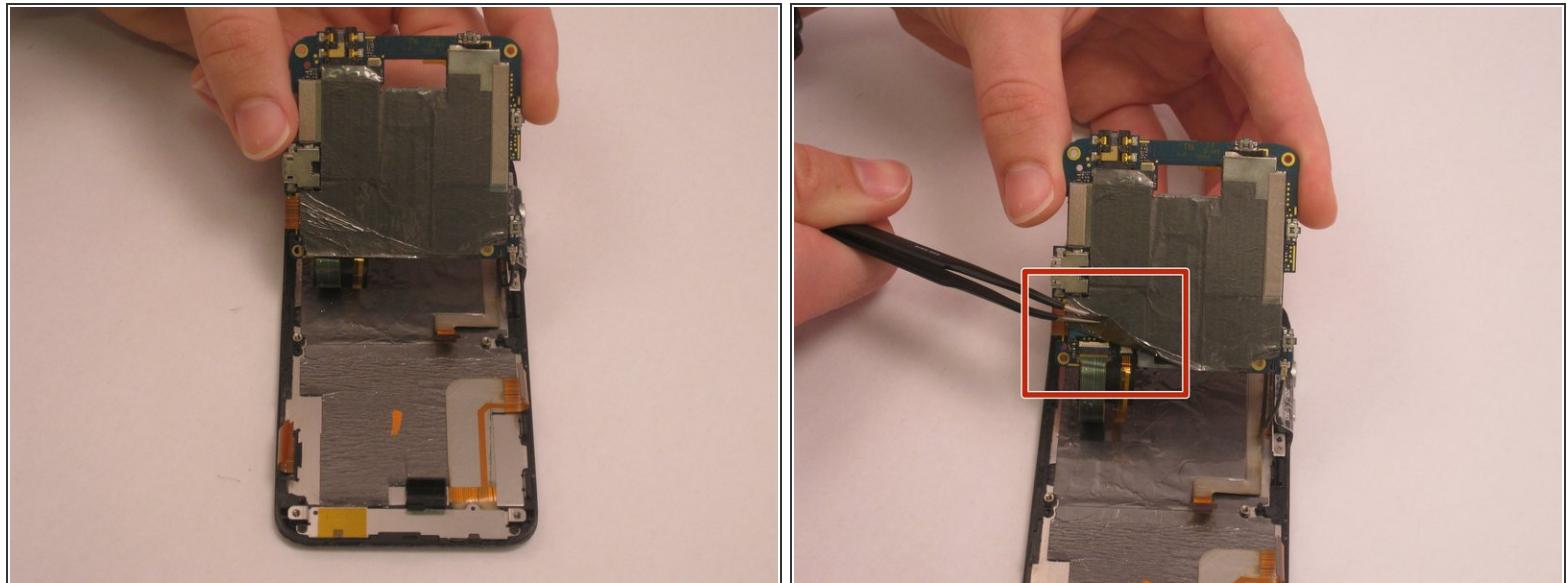
## Step 7



- The next step is to disconnect all ribbons attached to the motherboard.
- Begin by using tweezers to remove the plastic covering the ribbons.
- Each ribbon needs to be removed by unlocking the white tab and pulling on the ribbon.
  - Unlock by lifting the white tab directly up.

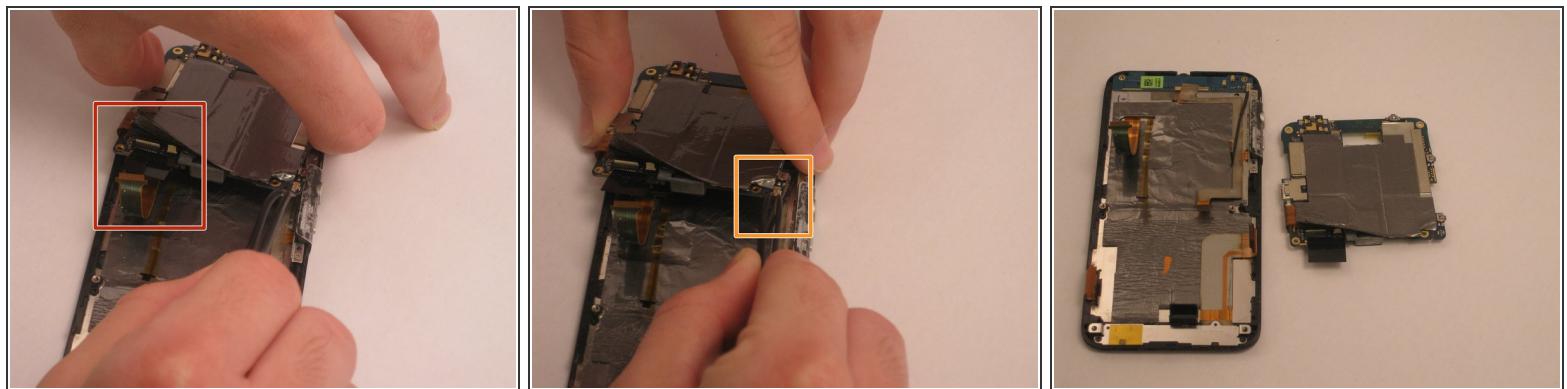
**⚠** The ribbons easily rip and require careful handling.

## Step 8



- At this point the motherboard is almost fully detached.
- Lift the motherboard and using precision tweezers, peel up the insulation cover on the bottom left corner.

## Step 9



- Disconnect the two ribbons on the backside of the mother board using precision tweezers.
- Disconnect the Cellular/WIFI antenna by pulling directly up on the black wire.
- The motherboard will now be free from the rest of the phone.

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