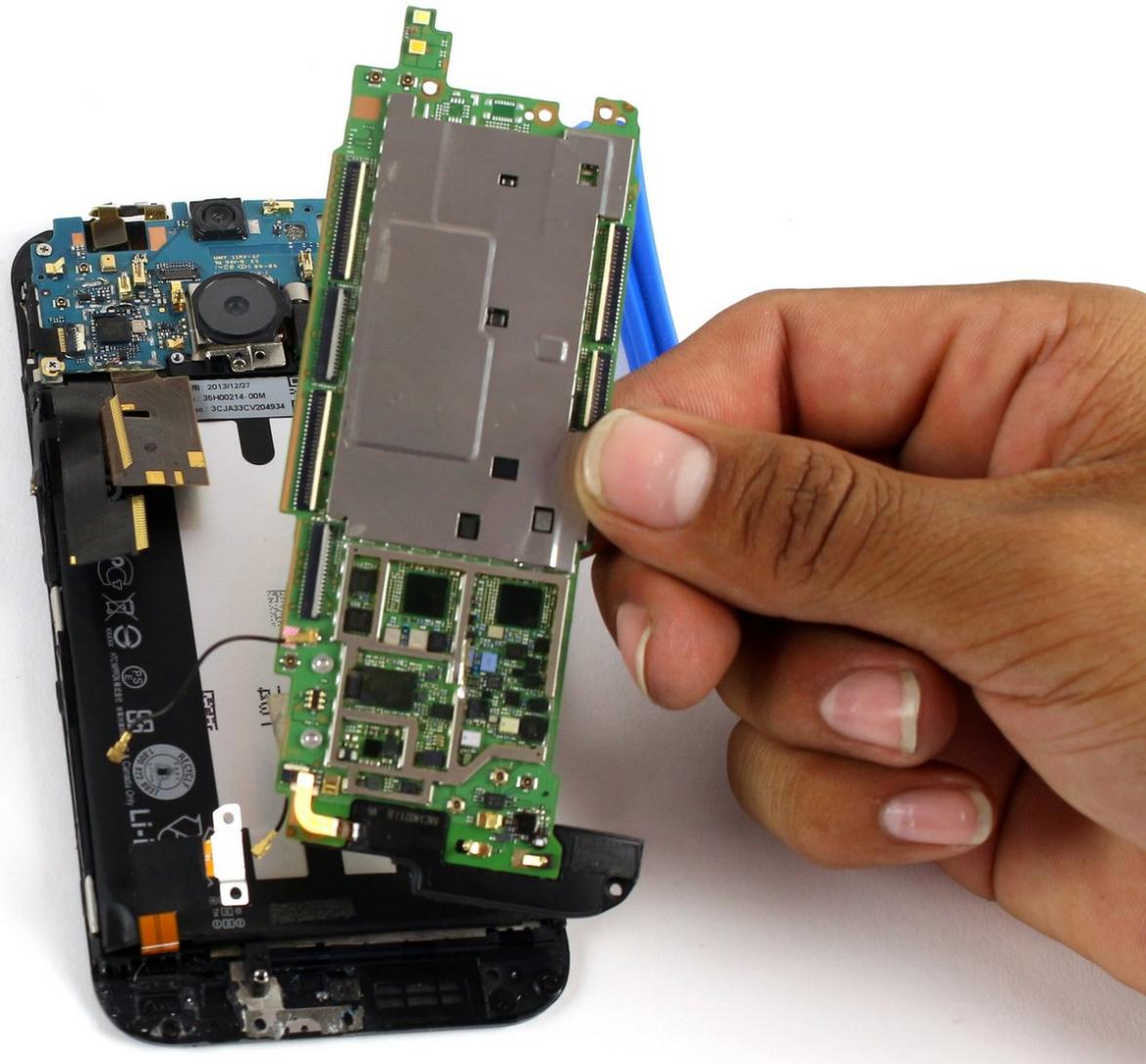




# HTC One M8 Motherboard Replacement

Replace the motherboard.

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## INTRODUCTION

Use this guide to replace the motherboard on your HTC One M8.

**Please note that your device may have a large amount of copper shielding and tape covering the back of the display assembly, as shown [here](#). If this is the case, you'll need to gently remove it to get at the motherboard.**

### TOOLS:

- iOpener (1)
- Phillips #00 Screwdriver (1)
- iFixit Opening Tools (1)
- T5 Torx Screwdriver (1)
- Tweezers (1)
- iFixit Opening Picks set of 6 (1)
- SIM Card Eject Tool (1)

### PARTS:

- HTC One (M8, Verizon) Logic Board (1)
- HTC One (M8, Sprint) Motherboard (1)

## Step 1 — SIM Card



- Insert a SIM card eject tool or a paperclip into the small hole in the SIM card tray, located on the upper left hand side of the phone.
- Press to eject the tray.

*i* This may require a significant amount of force.

## Step 2



- Remove the SIM card tray assembly from the HTC One M8.

 When reinserting the SIM card, ensure that it is in the proper orientation relative to the tray.

## Step 3 — MicroSD Card



- Insert a SIM card eject tool or a paperclip into the small hole in the microSD card tray, located on the upper right hand side of the phone.
- Press to eject the tray.

*i* This may require a significant amount of force.

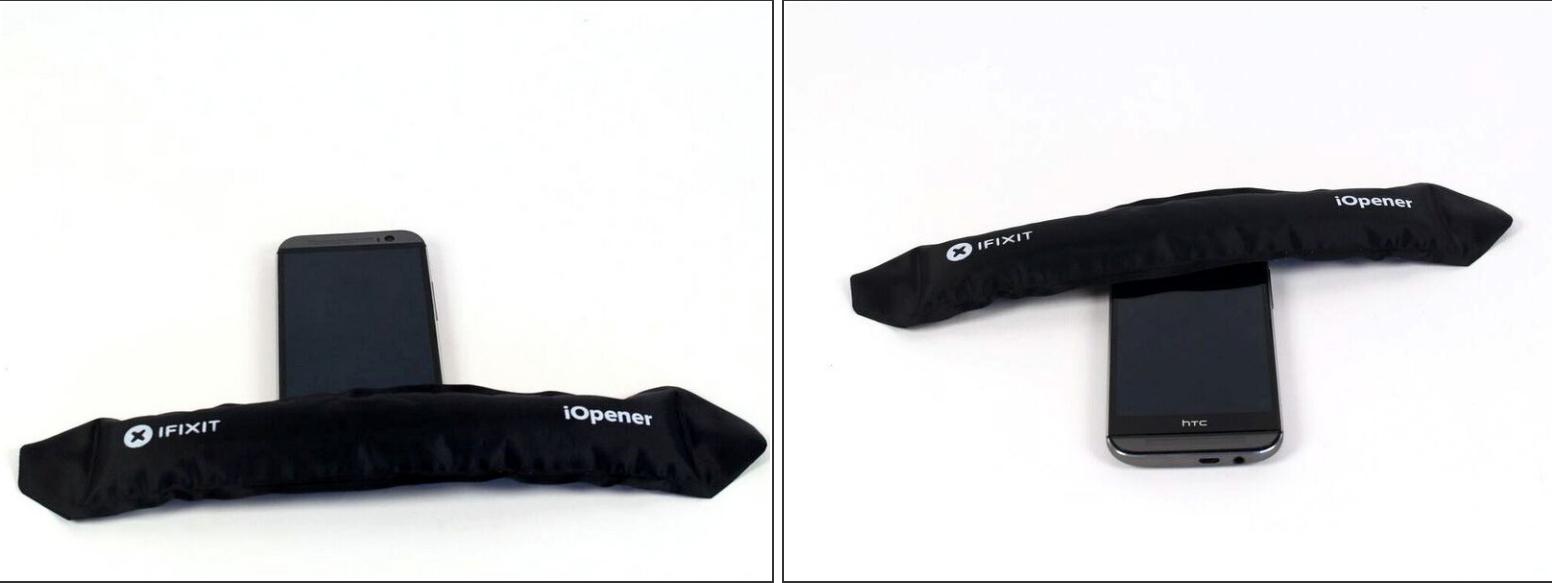
## Step 4



- Remove the microSD card tray assembly from the HTC One M8.

 When reinserting the microSD card, ensure that it is in the proper orientation relative to the tray.

## Step 5 — Rear Case



- Use an iOpener or heat gun to loosen the adhesive on the upper and lower speaker grilles.
- Refer to the [iOpener guide](#) for info on how to use the iOpener.

## Step 6



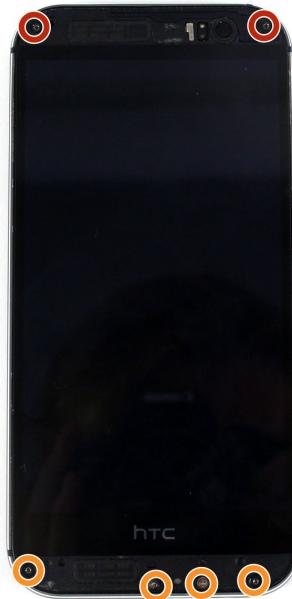
- Use a plastic opening tool to gently peel up the lower speaker grille.
- The adhesive is messy, and can be removed using Goo-gone.

## Step 7



- Use a plastic opening tool to gently peel up the upper speaker grille.

## Step 8



- Remove the two silver 3 mm Phillips #00 screws from the top.
- Remove the four black 4 mm T5 Torx screws from the bottom.

## Step 9



- Work your way around the perimeter of the phone with a spudger and plastic opening picks to free the clips that secure the rear case to the display assembly.
  - ⓘ A metal spudger is pictured, but it is best to use a nylon spudger to prevent marring the device.
  - ⓘ Be careful not to lose the power button: it sits loosely in the top of the lower chassis.

 Significant force may be required to pry the casing apart.

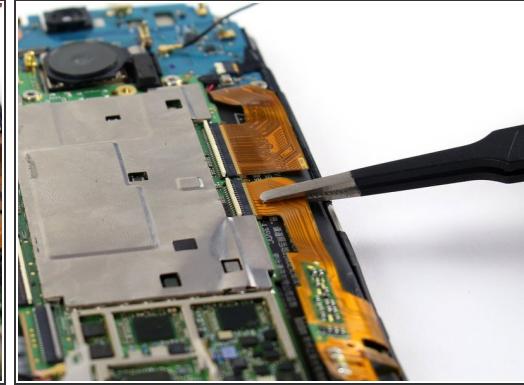
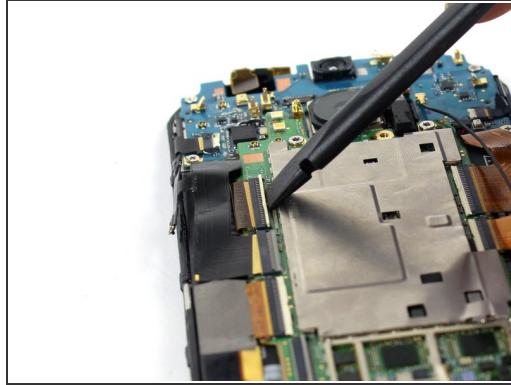
## Step 10 — Motherboard



- Remove the two silver 2 mm Phillips #00 screws securing the battery connector to the motherboard.
- Use a plastic opening tool to gently pry up the battery connector.

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## Step 11



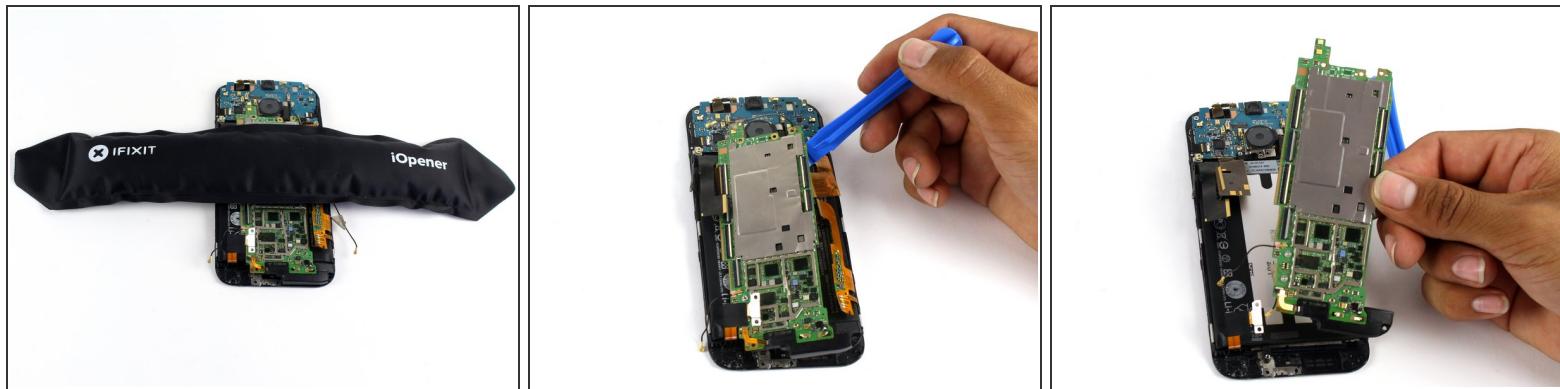
- Use a spudger to disconnect the two (four) antenna cables.
- Use the tip of a spudger to disconnect the seven ZIF connectors.
- Use a pair of tweezers to gently pull the seven ribbon cables free of the connectors.

## Step 12



- Remove three silver 3mm screws using T5 screwdriver.

## Step 13



- Use an iOpener or a heat gun to loosen up the adhesive securing the motherboard to the display assembly.
- Use a plastic opening tool to gently pry the motherboard free of the display assembly.

*(i)* At this point, the bottom speaker is still attached to the motherboard. If you are only replacing the motherboard, refer to the [bottom speaker guide](#) to swap your existing speaker to the new motherboard.

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