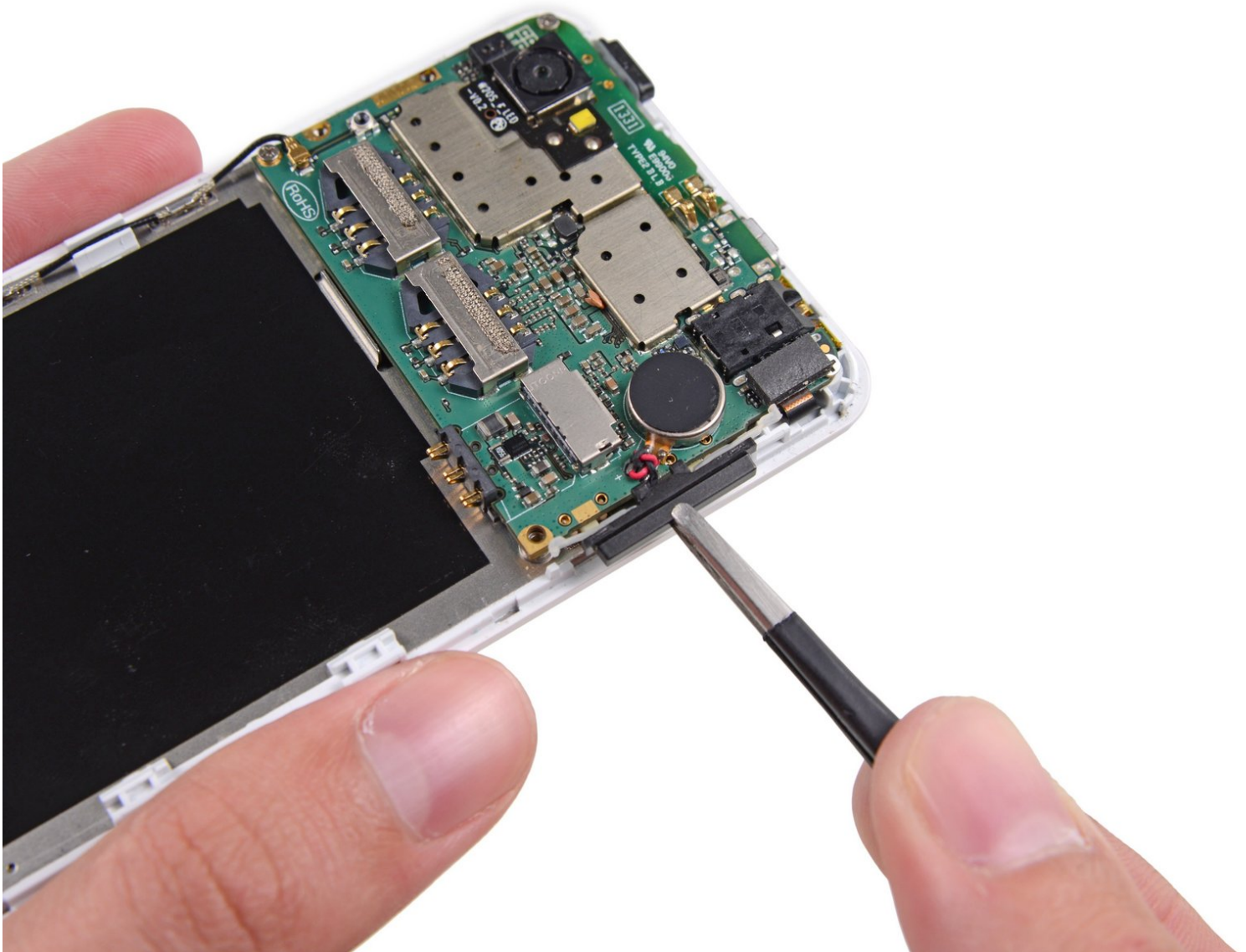




# Fairphone 1 Motherboard Assembly Replacement

Prerequisite guide to remove the motherboard. Used for motherboard, camera, and display assembly guides.

Written By: Andrew Optimus Goldheart



---

## INTRODUCTION

Prerequisite guide to remove the motherboard. Used for motherboard, camera, and display assembly guides.



### TOOLS:

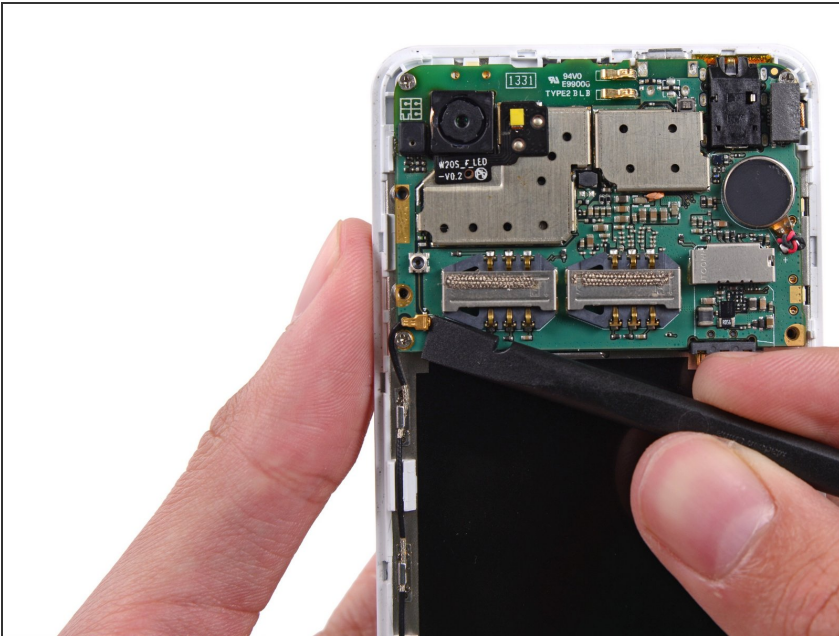
- [Tweezers](#) (1)
  - [Spudger](#) (1)
-

## Step 1 — Motherboard Assembly



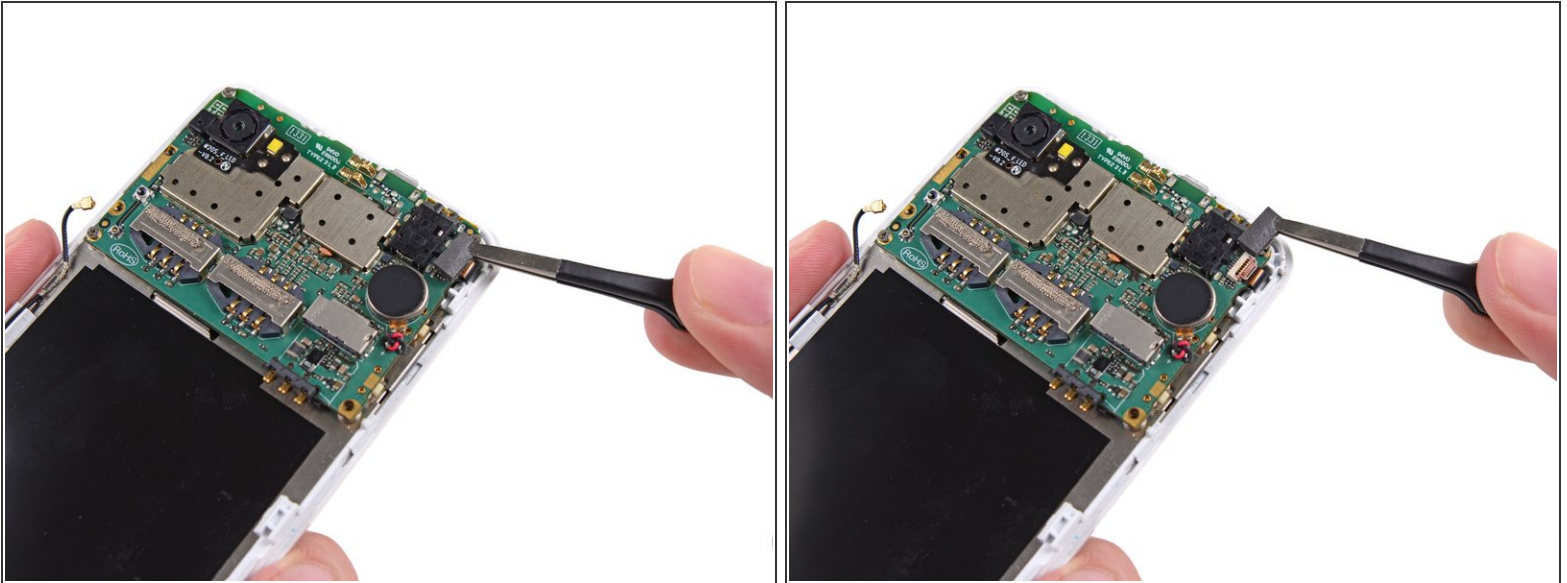
- Use tweezers to remove the volume rocker and power buttons from the display assembly.
- ⓘ During reassembly make sure the orientation of the buttons is correct. The rubber backings must fit into the channels in the assembly.

## Step 2



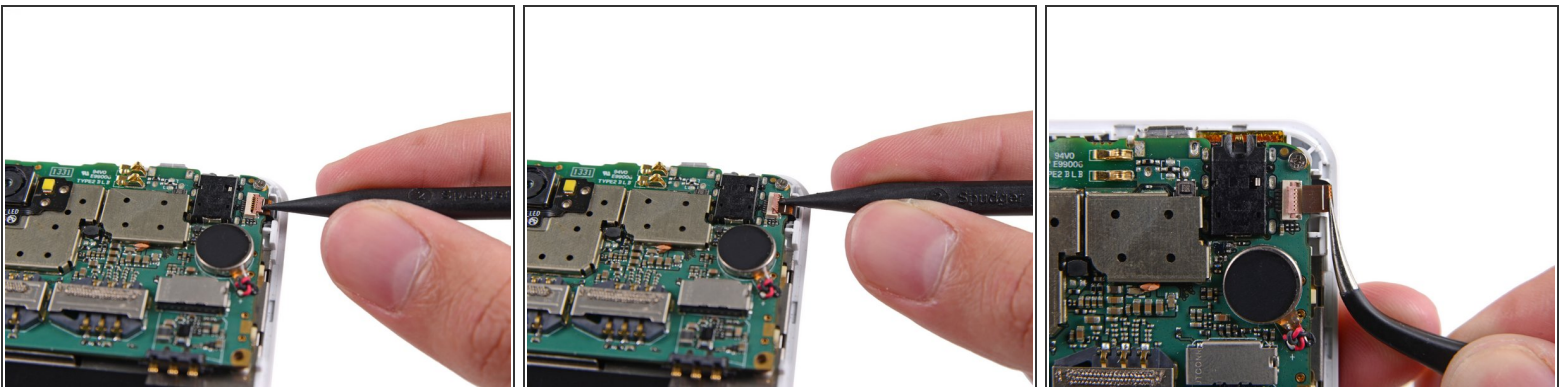
- Use the flat end of a spudger to disconnect the antenna cable connector.
- ⚠ Make sure to only disconnect the connector from its socket, and **not** the entire socket from the board.

### Step 3



- Use tweezers to remove the adhesive foam tape from the top of the digitizer cable ZIF socket.

### Step 4



- Use the tip of a spudger to flip open the tab on the digitizer ZIF connector.
- Use tweezers to pull the digitizer cable away from its socket on the motherboard.

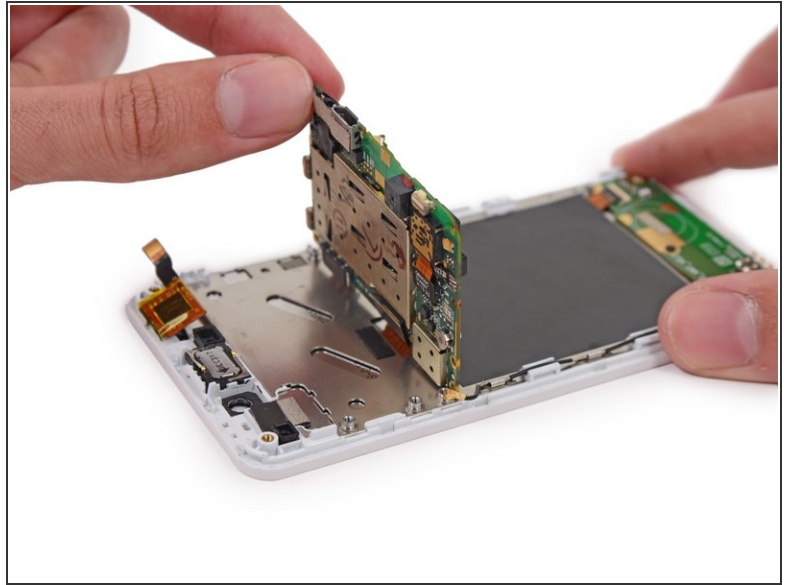



## Step 5




- Remove the three 2.5 mm Phillips #000 screws securing the motherboard to the display assembly.

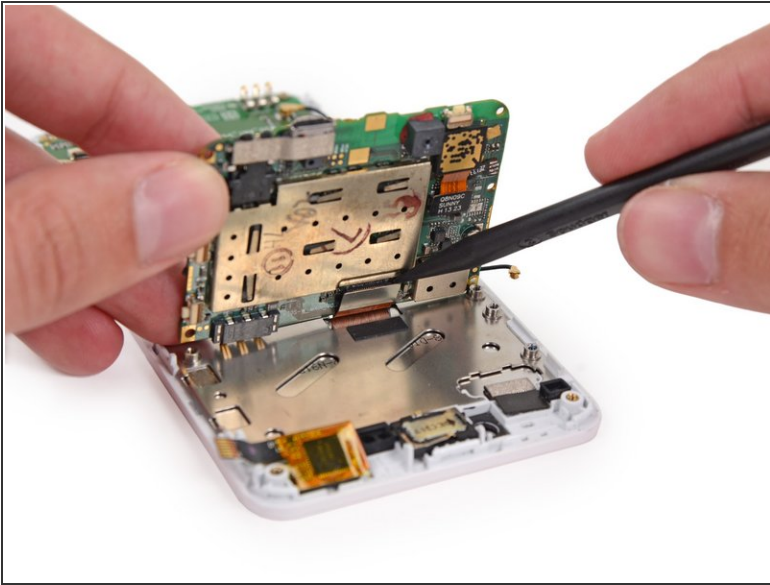
## Step 6



 Do **not** try to remove the motherboard just yet, as it is still connected to the display assembly by the display data cable.

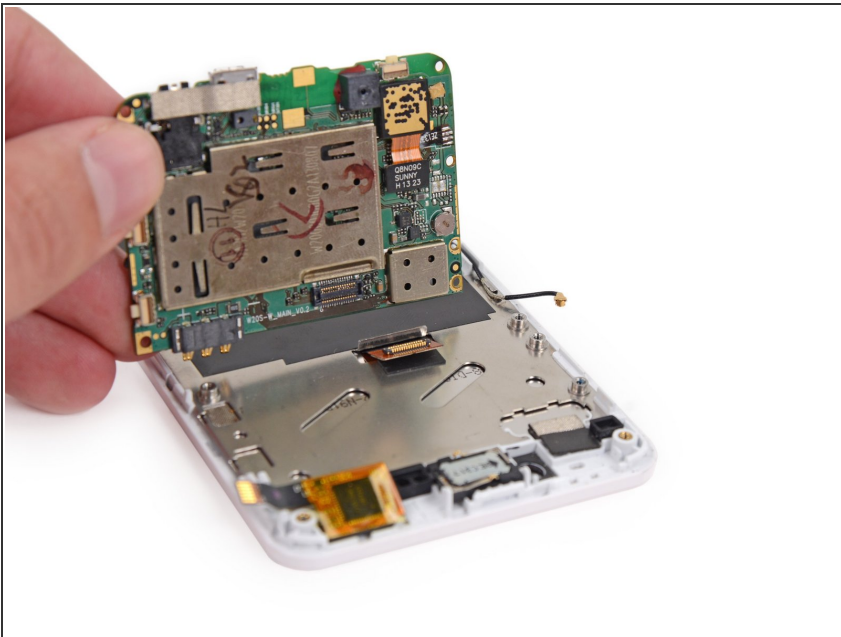
- Gently lift the top end of the motherboard up to expose the display data cable.
-  The rear-facing camera may be adhered to the display assembly. Try to pry it and the motherboard up together.

## Step 7



- Use the tip of a spudger to disconnect the display data cable from the back of the motherboard.

## Step 8



- Remove the motherboard from the display assembly.

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