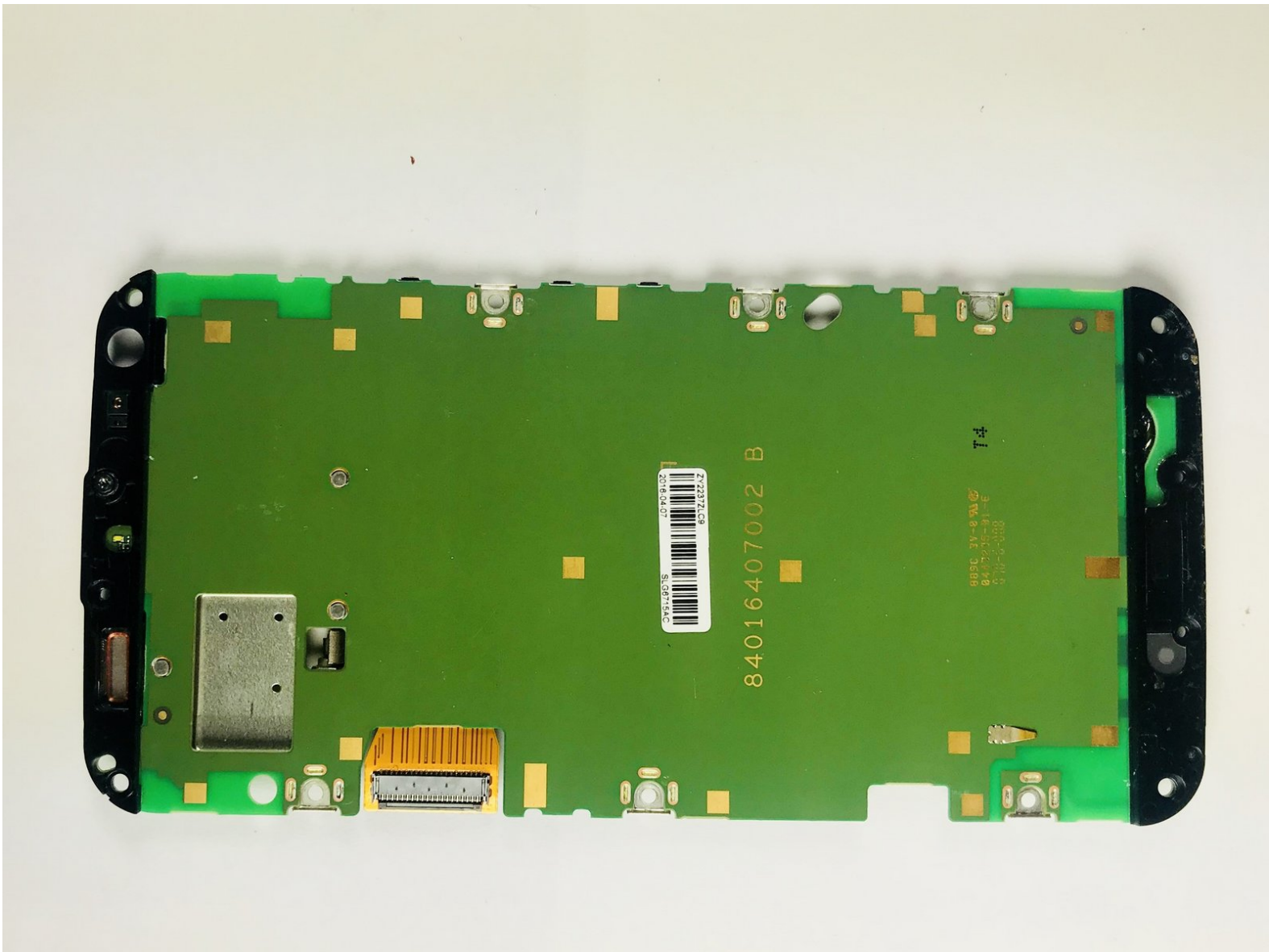




Motorola Moto G3 Motherboard Replacement

When the keyboard or buttons are not working properly on the phone, replacing the motherboard is probably the best idea and this guide shows how that works.

Written By: Irkan Notta



INTRODUCTION

[Click here for an updated version of this guide.](#) The version you are viewing is retained for historical purposes.

In this guide we will be removing and replacing the motherboard, which is the main source for all the other guides.

TOOLS:

- [iFixit Opening Tools](#) (3)
 - [iFixit iOpener](#) (1)
 - [Tweezers](#) (1)
 - [T4 Torx Screwdriver](#) (1)
 - [Metal Spudger](#) (1)
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Step 1 — Prerequisite Guide



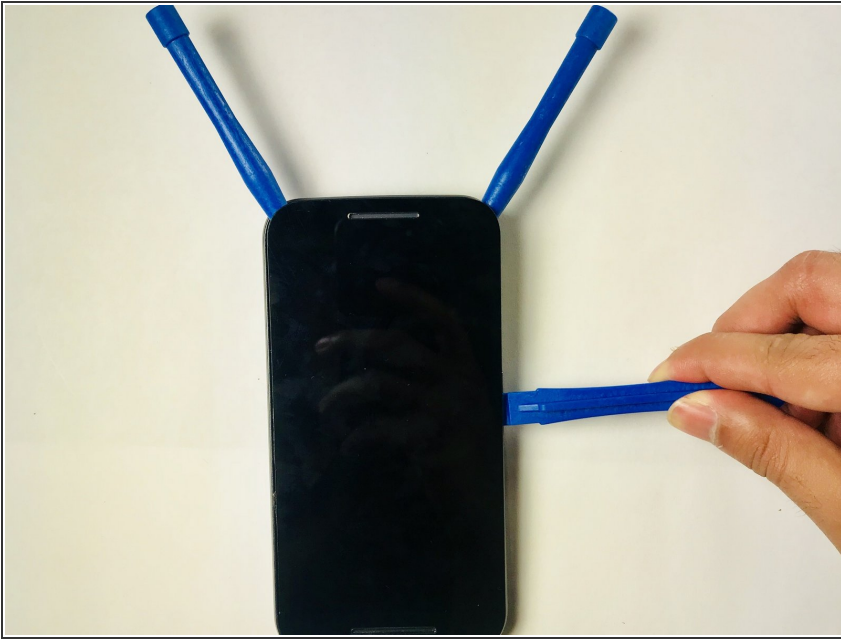
- Use the plastic opening tool to open the back cover as shown in the photo.

Step 2



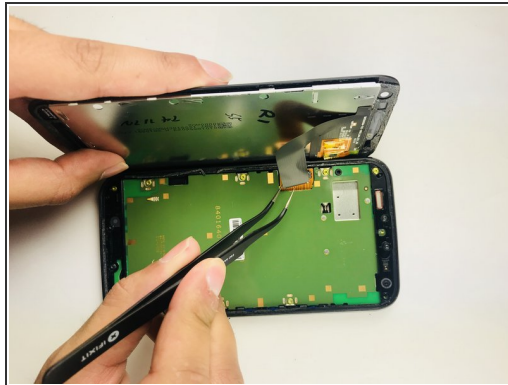
- Heat an iOpener in the microwave for 30 seconds.
- Place the heated iOpener on all four edges of the screen for approximately 2 minutes.

Step 3



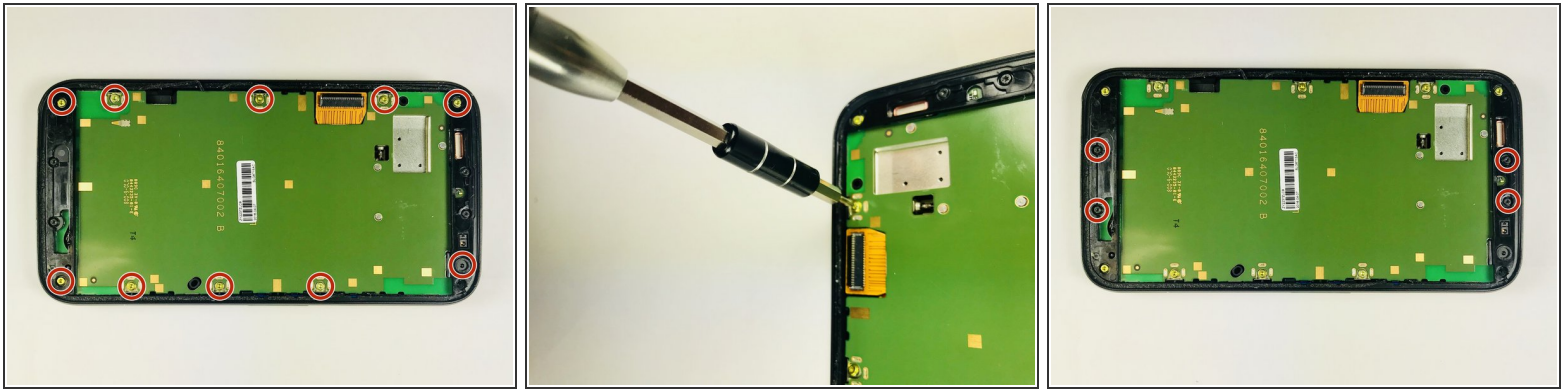
- Apply the plastic opening tool on the edge of the screen near the front camera.
- After creating enough space, allow the opening tool to be inserted on the side of the phone.
- Create another space on the other side of the screen.
- Leave the opening tool inserted.
- Carefully apply the larger plastic opening tool by sliding it through the longer edge of the screen.

Step 4



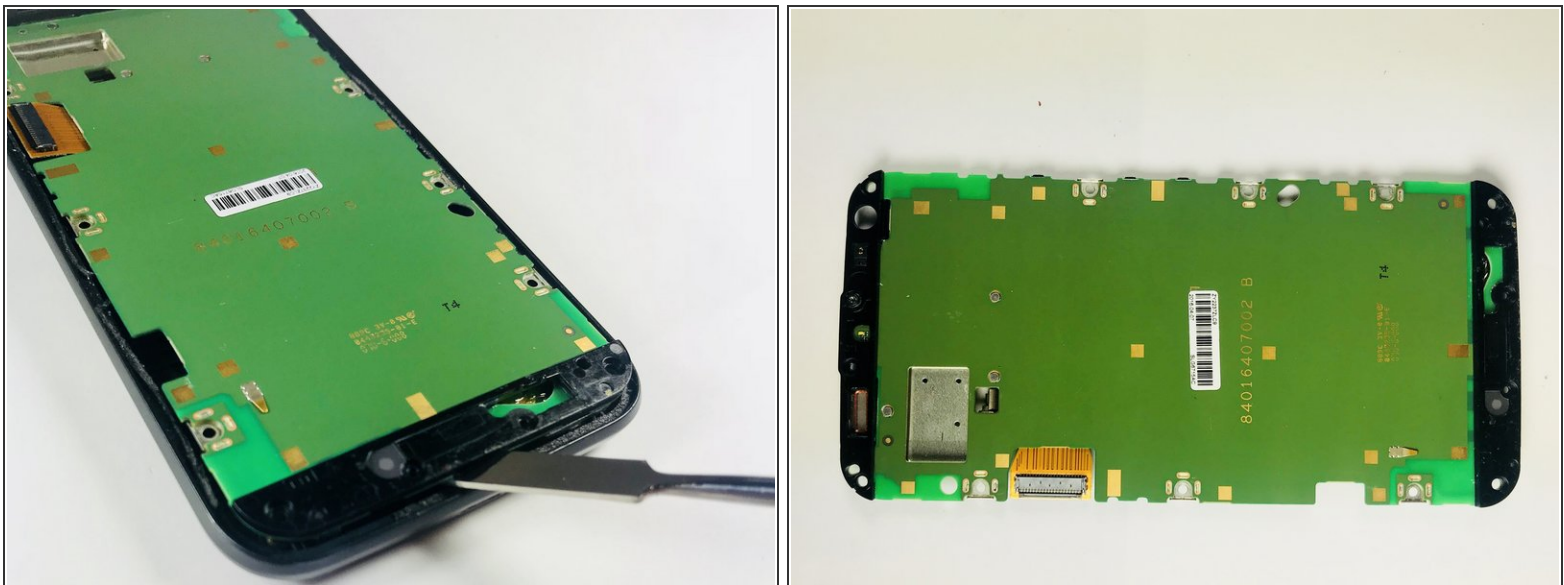
- A strip will be attached to the motherboard as shown.
- Using tweezers, carefully detach the strip from the motherboard.

Step 5 — Motherboard



- With a T4 screwdriver, remove the 10 "yellow" 2mm screws and 4 "black" 2mm screws.

Step 6



- Use the metal spudger and lift the back cover on the bottom side of the phone (this is attached to the motherboard).
- Remove the motherboard from the device.

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