



Amazon Fire 5th Generation Motherboard Replacement

This guide will show you how to replace the motherboard of your Amazon Fire 5th Generation tablet with ease.

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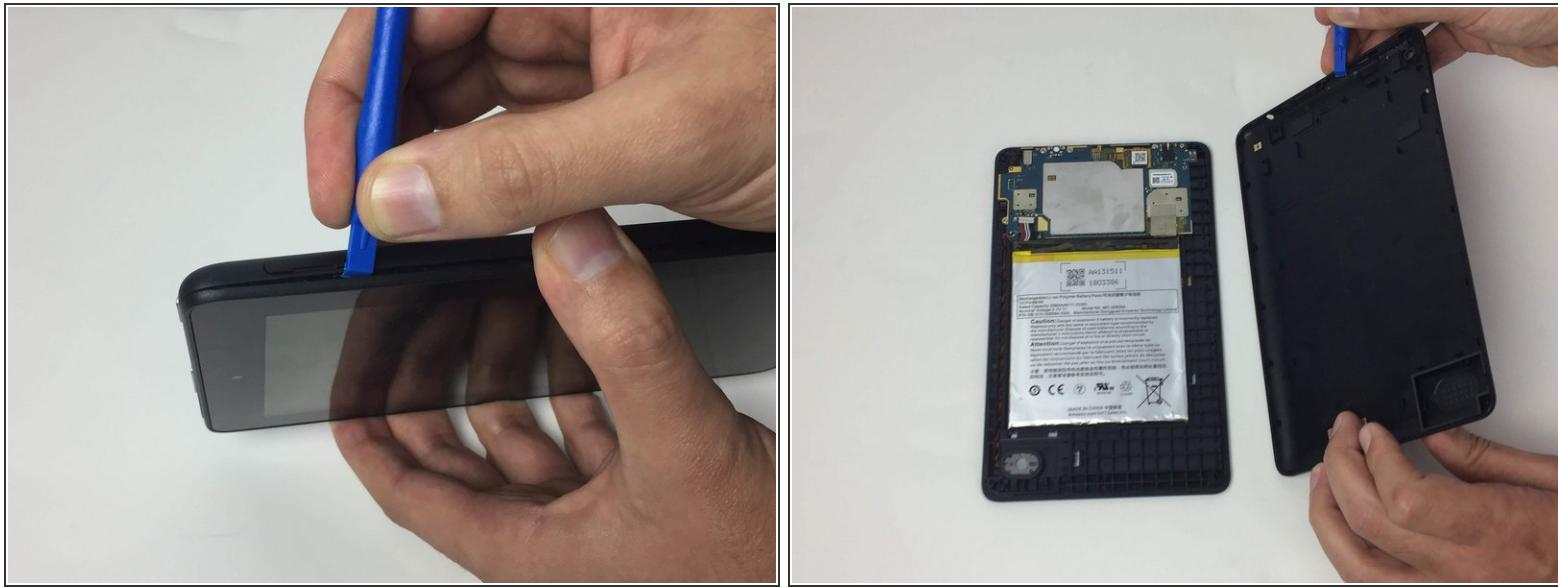
INTRODUCTION

The motherboard contains connections to all major components of the device. If you need to replace your volume or power buttons, you will have to replace the whole motherboard. This same information goes for the headphone jack and the charging port.

TOOLS:

- [1 x PH0 screw bit](#) (1)
- [Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [Soldering Iron](#) (1)
- [Precision Tweezers Set](#) (1)

Step 1 — Speaker



(i) Ensure that your device is turned off.

⚠ Remove any micro-SD card that may be installed in the Fire. Failure to do so could damage the micro-SD card itself or the micro-SD card reader on the Fire.

- While holding the device firmly, wedge the iFixit Opening Tool into the crease along the outer edge of the device (as shown in the image).
- Slowly, grind the iFixit Opening Tool into the crease along the outer edges of the device until the entire back cover loosens.
- Then, remove the back cover from the device.

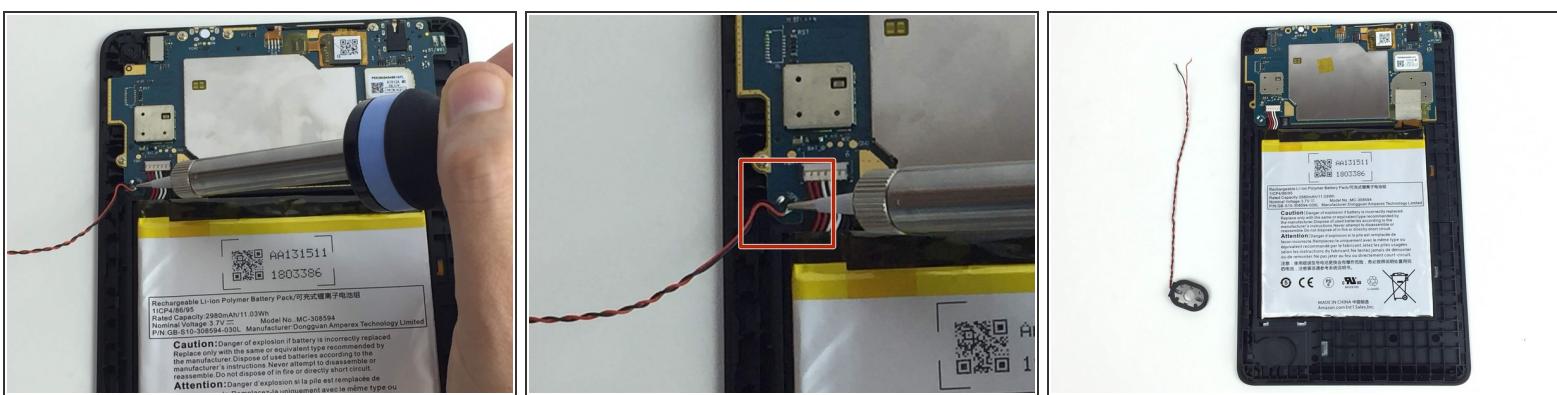
Step 2



- Pry the speaker from the case using the iFixit Opening Tool.
- Lift the speaker up from the device to remove the speaker wires from their groove in the case.

⚠ Be careful not to pull the speaker wires from the motherboard.

Step 3



- Desolder the speaker wires from the motherboard.

(i) iFixit has a helpful guide explaining how to solder and desolder here: [How To Solder and Desolder Connections](#)

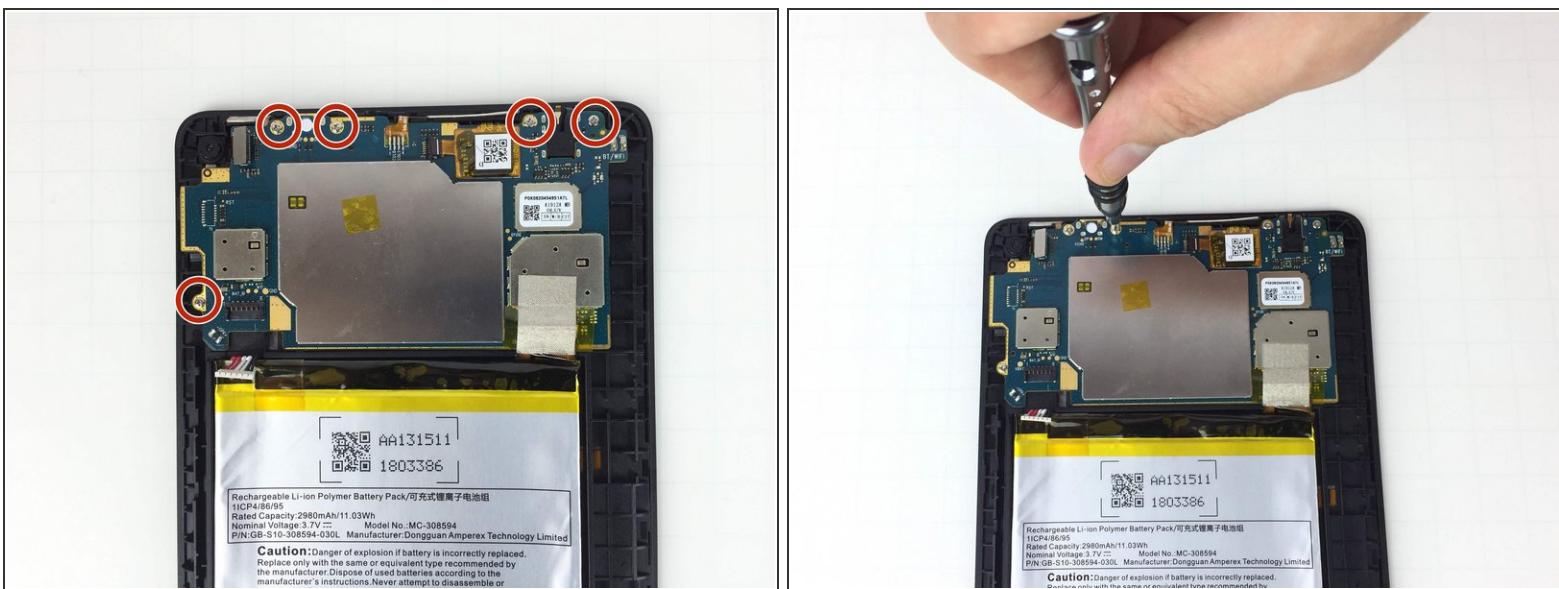
Step 4 — Motherboard



- The battery connector is located in the upper left corner of the Amazon Fire battery pack.
- To disconnect the battery connector, use angled ESD precision tweezers to lift the cables up and out of their socket.

★ Make sure you pull the battery connector cables themselves out and not the actual socket. Doing this step incorrectly could result in breaking the connector entirely.

Step 5



- Use a PH0 size Phillips screwdriver head to unscrew the five 2 mm screws on the motherboard. These screws are circled with red in the given image.

★ Ensure that you keep track of these screws once removed.

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Step 6



- The LCD- Motherboard connector cable has a protective overlay that you must peel back with precision tweezers in order to expose the actual connector.
- Gently pull down on the connector cable using precision tweezers in order to disconnect the cable.

Step 7



- The LCD Digitizer on the Amazon Fire tablet has a locking cable connector that holds it in place on the motherboard.
- To remove the cable, use the iFixit Opening Tool to unlock the LCD Digitizer cable connector.
- Once the wire connector is removed, use the iFixit Opening Tool to pry the entire LCD Digitizer away from the motherboard.

Remove any tape that may be covering the connector.

Step 8



- The volume and power buttons must both be repositioned in order to remove the motherboard.
- To reposition the power and volume buttons, use the iFixit Opening Tool to pull the plastic casing upwards. Then, remove the casing completely.

i Make sure that both the volume and the power buttons are free from the plastic casing before separating the motherboard from its case.

! Be very careful when repositioning the volume buttons, since the fragile digitizer ribbon cable runs from the motherboard to the digitizer right next to the volume buttons. It is very easy to damage the ribbon cable while working in this area.

Step 9



- The rear facing camera wire connector must be disconnected in order to remove the motherboard.
- To remove the rear facing wire connector, insert the iFixit Opening Tool beneath the connector and wedge it upwards.

Step 10



- Position the iFixit Opening Tool beneath the motherboard and pull upwards to remove the motherboard from its case.

⚠ Please handle the motherboard with gloves because skin oils can damage the connections on the board.

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