



# Motorola Moto E4 Plus Charging Board Replacement

This guide shows you how to remove the charging board in the Motorola Moto E4 Plus (XT1771).

Written By: Dominik Schnabelrauch



## INTRODUCTION

Use this guide to remove the charging board in the Motorola Moto E4 Plus (XT1771).

Before disassembling your phone, discharge the battery below 25%. [If your battery is swollen](#), do not heat your phone. Swollen batteries can be very dangerous, so wear eye protection and exercise due caution, or take it to a professional if you're not sure how to proceed.

## TOOLS:

- [Spudger](#) (1)
- [iFixit Opening Picks set of 6](#) (1)
- [Phillips #00 Screwdriver](#) (1)
- [Tweezers](#) (1)

## Step 1 — Remove the back cover



*(i)* Power off your phone before beginning disassembly.

- Insert the edge of the spudger into the notch on the bottom right corner of the phone.
- Twist the spudger to start releasing the back cover from the phone.
- Slide the spudger along the bottom edge to separate the back cover from the phone.

## Step 2



- Lift the phone unit out of the back cover.

## Step 3 — Midframe



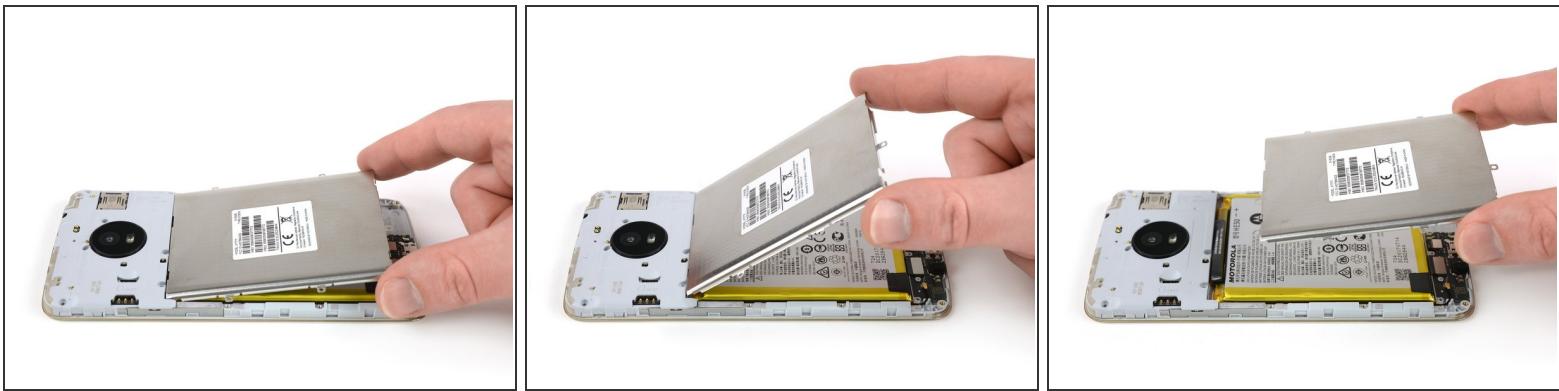
- Remove the eighteen 3.3 mm Phillips screws securing the midframe assembly.

## Step 4



- Remove the charging board cover.

## Step 5



- Remove the battery cover.

## Step 6



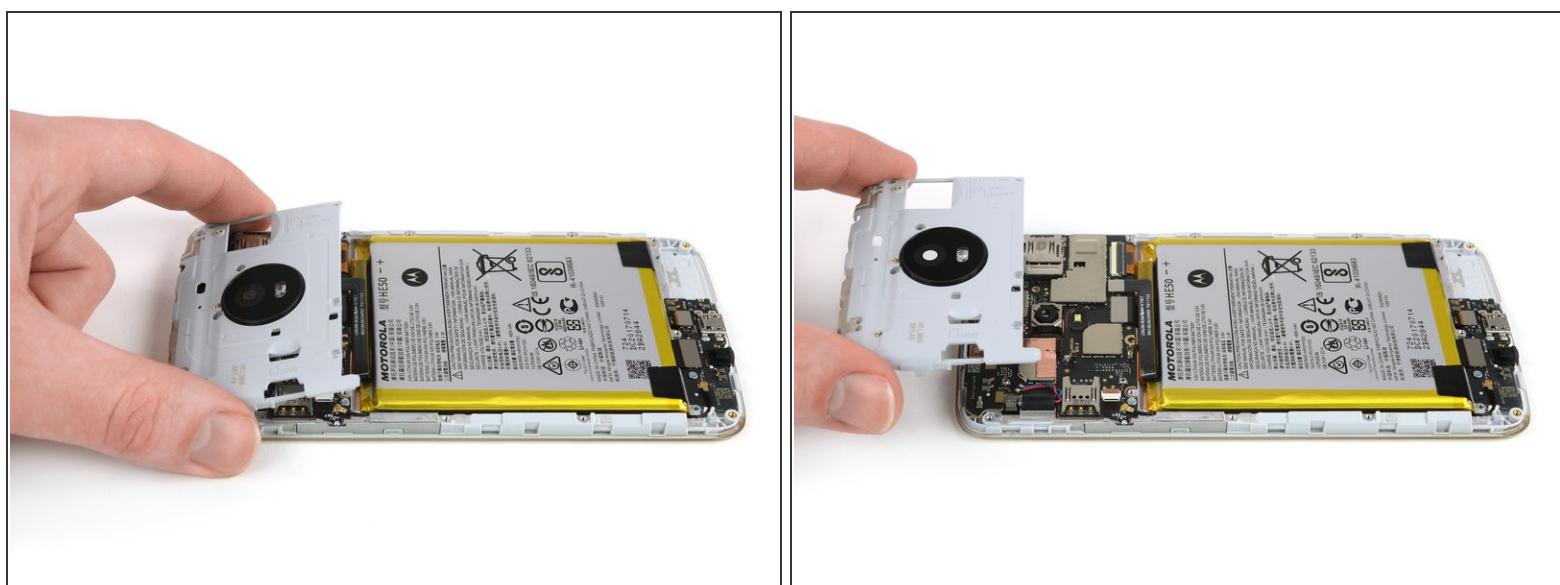
- Insert an opening pick underneath the bottom left corner of the motherboard cover.
- Slide the opening pick between the cover and the second SIM tray to release the plastic clip.

## Step 7



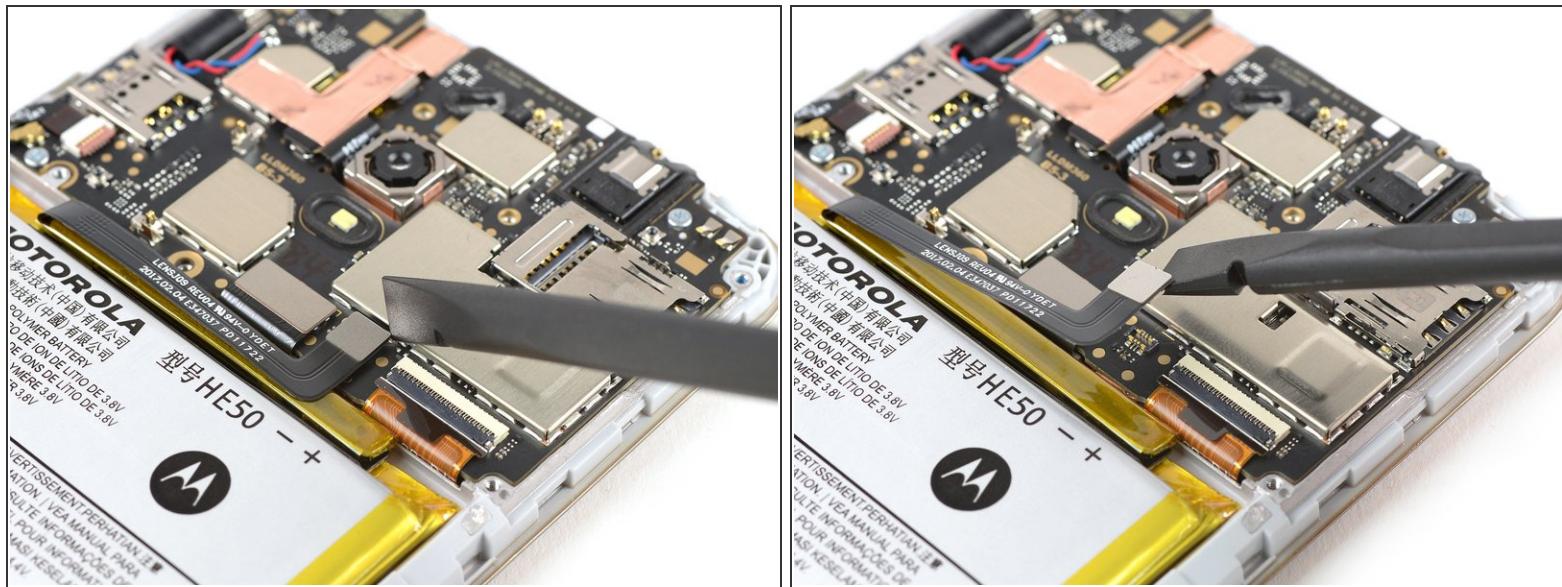
- Insert an opening pick underneath the bottom right corner of the motherboard cover.
- Use the opening pick to pry up the motherboard cover.

## Step 8



- Remove the motherboard cover.

## Step 9 — Battery Disconnect



- Use the edge of a spudger to pry up and disconnect the battery flex cable from the motherboard.

## Step 10 — Charging Board



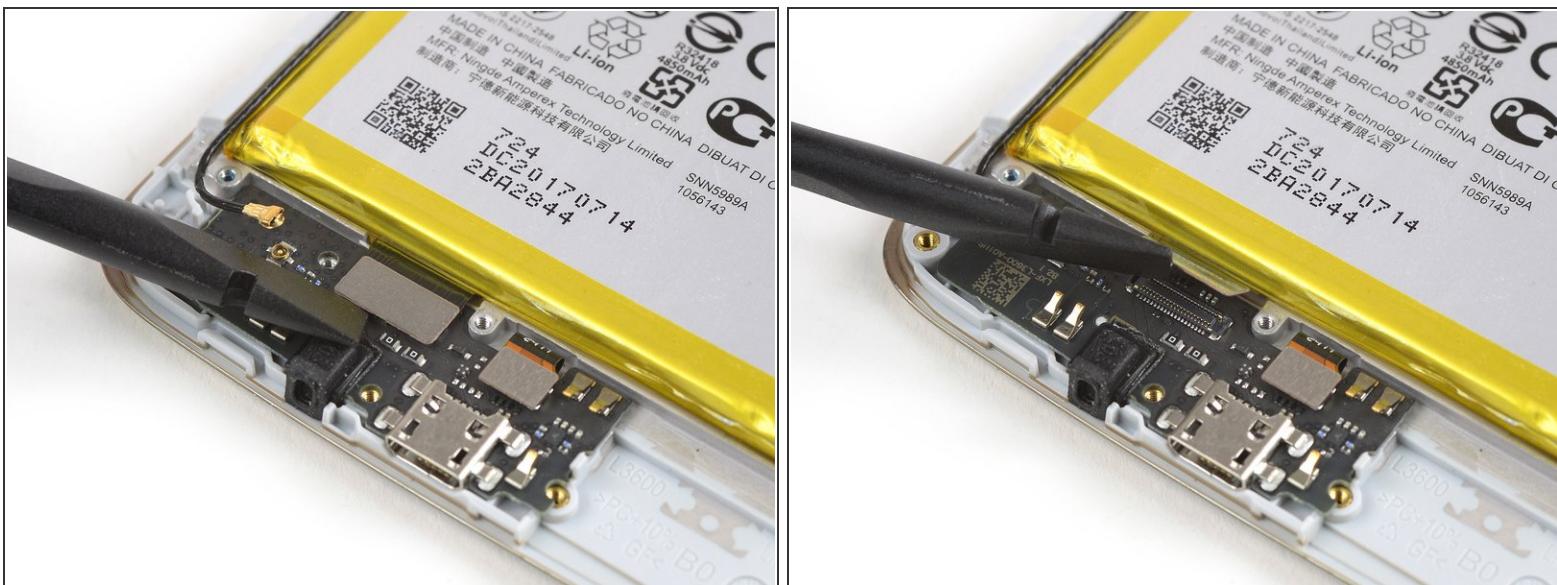
- Remove the single 2.9 mm Phillips screw holding the charging board to the frame.

## Step 11



- Use a pair of tweezers to pry up and disconnect the antenna cable.

## Step 12



- Use the edge of a spudger to pry up and disconnect the interconnect flex cable.

## Step 13



- Use the edge of a spudger to pry up and disconnect the fingerprint sensor flex cable.

## Step 14



- Insert the tip of a spudger underneath the bottom edge of the charging board and pry upwards.
- Remove the charging board.

**(i)** Before reassembly check your new part for any components that might need to be transferred from the old one (e.g. microphone rubber gasket).

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