



# Motorola Moto X Force Teardown

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# INTRODUCTION

Wanna know how to disassemble Motorola Moto X Force? Here show detailed steps.



## TOOLS:

- [Metal opening](#) (1)
  - [Tweezers](#) (1)
  - [T3 Torx Screwdriver](#) (1)
  - [Spudger](#) (1)
  - [Heat Gun](#) (1)
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## Step 1 — Remove SIM card tray.



⚠ Remove it or it will be a barrier to remove motherboard.

## Step 2 — Remove back cover.



- Use heat gun to heat up back cover firstly.
- Insert metal opening tool to open a gap and cut adhesives around.

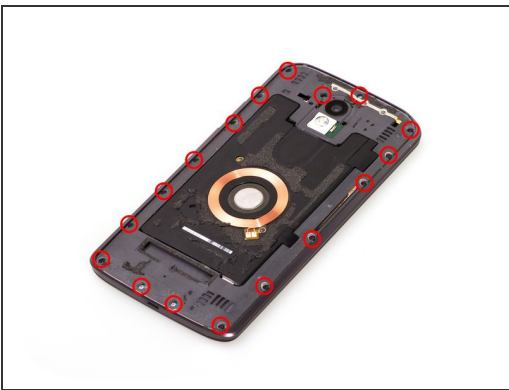
⚠ Take care when sliding tool under the back cover, there are delicate antenna and other components that could be damaged by your glue slicing tool

### Step 3 — Remove metal logo cover.



- Use tweezers to cut adhesives underneath.

### Step 4 — Remove middle frame.



- Twist off 17 screws by T3 Torx screwdriver.
- Take away rubber bracket securing NFC antenna and release NFC antenna connector.



## Step 5



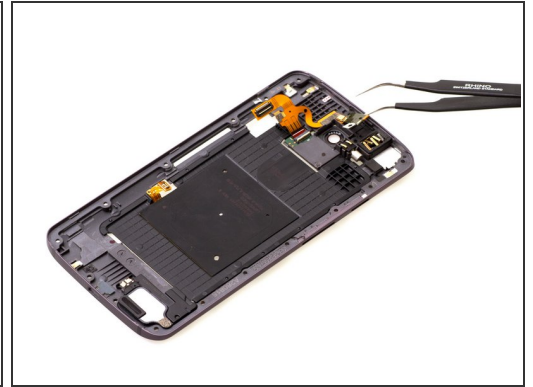
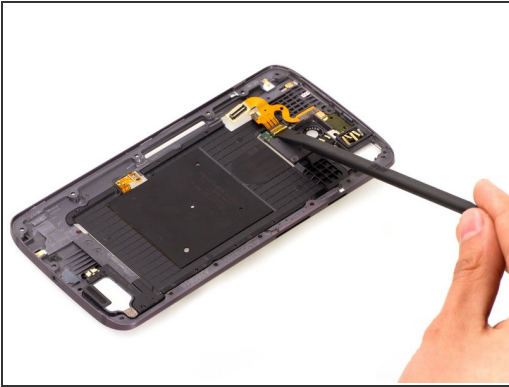
- Take away rubber bracket securing MIC flex and release microphone flex cable connector.

## Step 6 — Remove side button.



- After middle frame's separating from the rest of parts, side buttons are loose and easy to remove.

## Step 7 — Remove microphone flex cable ribbon.



- Release MIC connector.
- There are adhesives existed underneath.

## Step 8 — Remove headphone jack.



- Use tweezers to pry this part up.

## Step 9 — Remove vibration motor.



- The vibrator is only fastened by the plastic bracket.

## Step 10 — Remove NFC antenna along with plastic board attached.



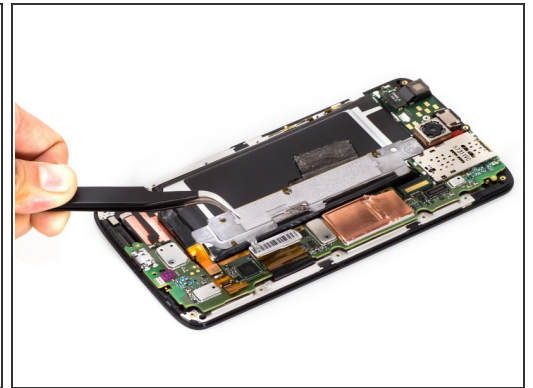
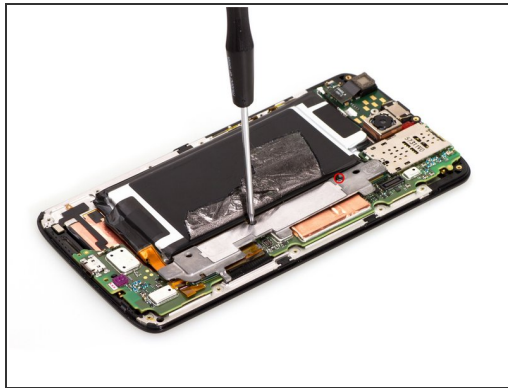
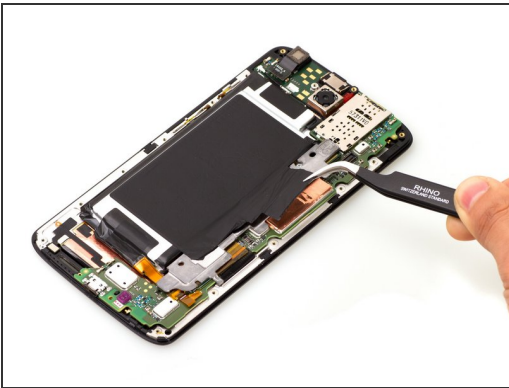
- There are a little bit adhesives around, but you can peel this part easily.

## Step 11 — Remove loudspeaker.



- Pry this part up.

## Step 12 — Remove metal bracket securing on motherboard.



- Peel off the tape.
- Twist off 2 screws.

**i** Take care not to apply any lateral force to the motherboard to metal bracket electrical connector when removing the motherboard bracket. If abused, the tiny spring could break off at a later date and causing short circuits within the phone. The connector is to the right of the side button connector and above the copper film screened component.



### Step 13 — Release battery connector and side button connector.



- Release these two connectors carefully.

### Step 14 — Release touch digitizer connector.



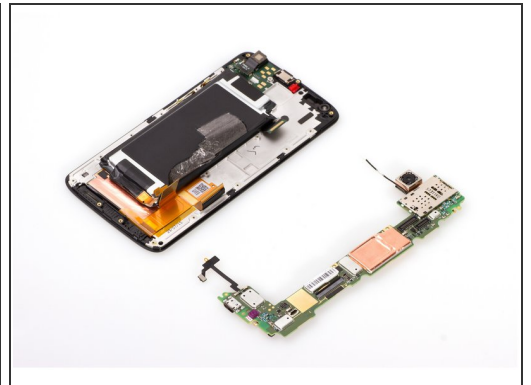
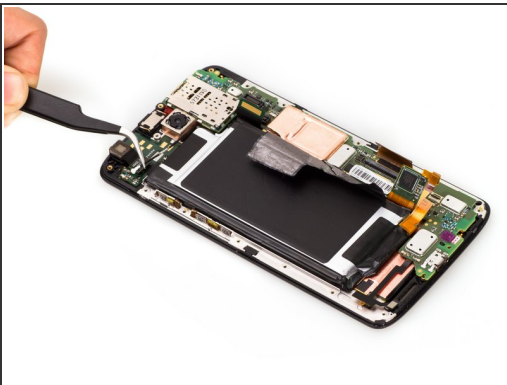
- The LCD assembly has two connectors, here is the touchscreen connector.

## Step 15 — Release LCD display connector.



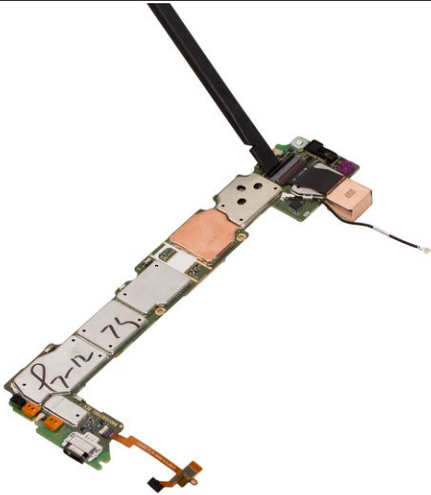
- This one is display connector.

## Step 16 — Release motherboard assembly.



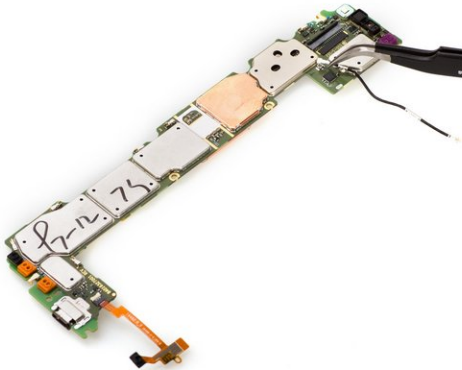
- Release signal cable connector.
- Pry the motherboard assembly up.

## Step 17 — Remove rear camera.



- Moto X Force packs a 21-megapixel primary camera on the rear.

## Step 18 — Release signal cable connector and remove it.



- Use tweezers to release the connector.

## Step 19 — Remove proximity sensor flex.



- With this sensor flex, you can wave your hand on the top of the screen to wake up the screen.

## Step 20 — Pry up and remove battery.



- Non-removable Li-Ion 3760 mAh battery.

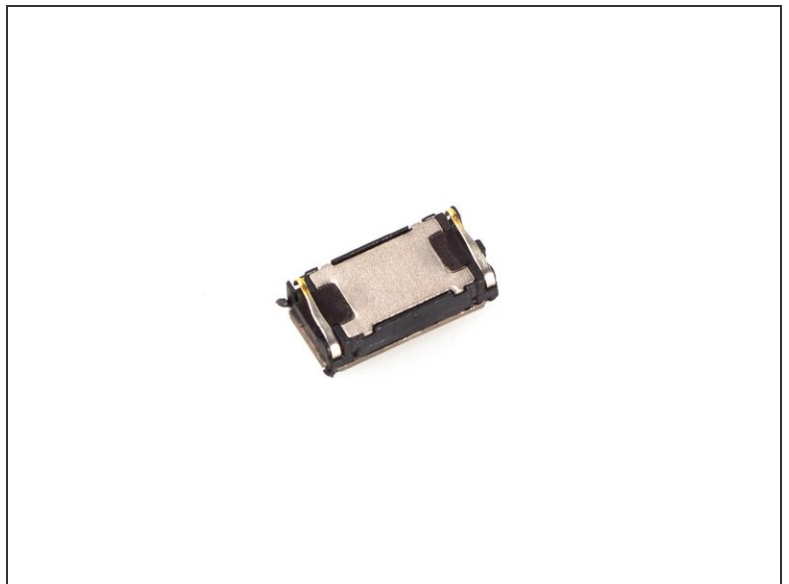


## Step 21 — Remove front-facing camera.



- A 5-megapixel front shooter for selfies.

## Step 22 — Remove earpiece.



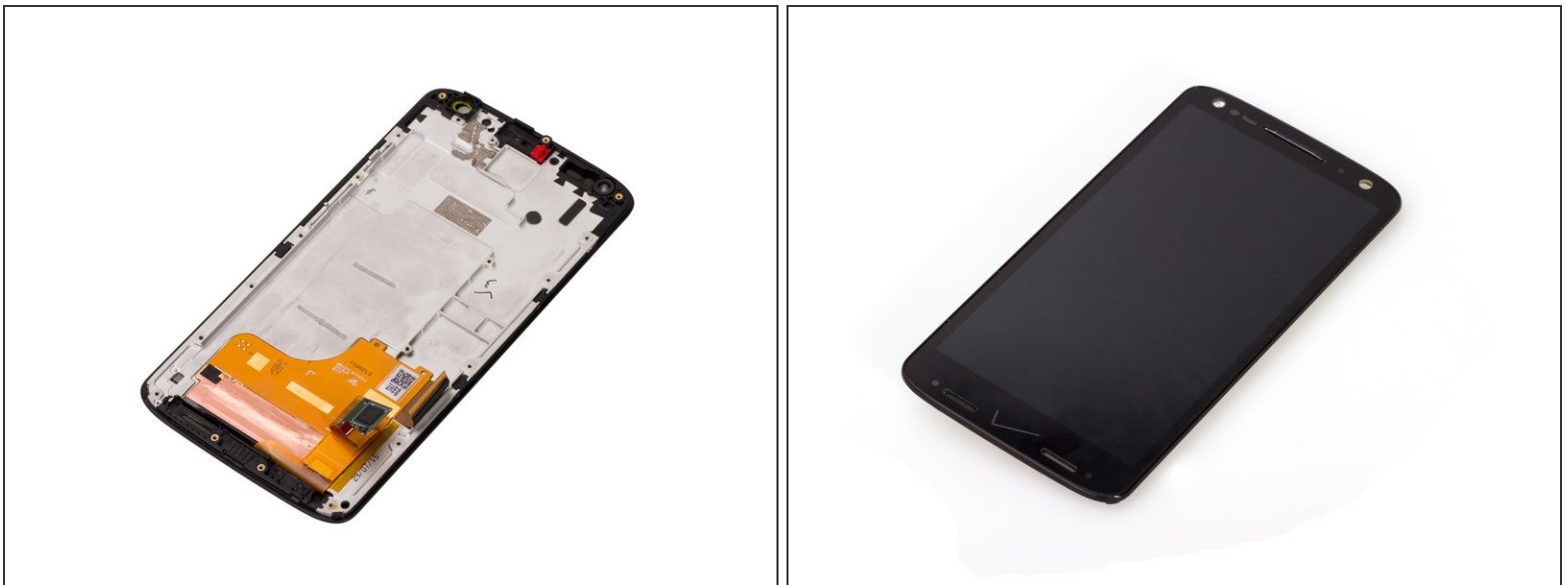
- Be careful to pry this part up, because it tends to fall apart easily.

## Step 23 — Remove side button flex.



- Use tweezers to cut adhesives underneath.

## Step 24



- Here is LCD screen with LCD supporting frame. They are attached tightly, so we haven't separate them.

## Step 25



● Done.