



Motorola Atrix 4G Motherboard Replacement

This guide will show you how to disassemble the Motorola Atrix 4G and remove the motherboard.

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INTRODUCTION

With this guide one will be able to disassemble their Motorola Atrix 4G and successfully remove the motherboard of the phone.

TOOLS:

- [iFixit Opening Tools](#) (1)
- [Spudger](#) (1)
- [T5 Torx Screwdriver](#) (1)

Step 1 — Battery



- Pry the rear cover from the back of the phone.

Step 2



- Insert a spudger or plastic opening tool into the small notch at the base of the battery.
- Lift the battery out of the phone.

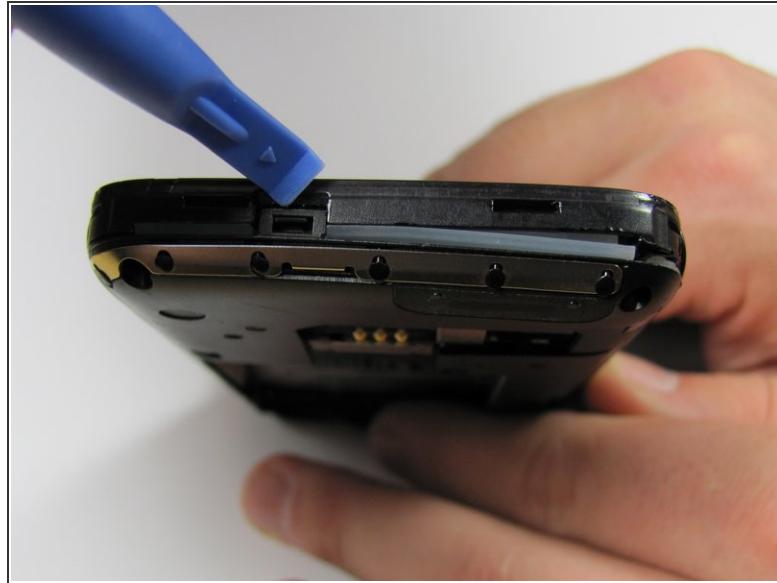
Step 3 — Antenna



- Remove the four 5.0 mm T5 Torx screws from the corners of the phone.
- Remove three 5.5 mm T5 Torx screws from the back of the phone.
- Lift up the black rubber flap near the SD card slot.
- Remove the single 5.5 mm T5 Torx screw beneath the flap.

⚠ Do not attempt to loosen the screws with too much force. These screws are small, and easily stripped.

Step 4



- Remove the back case of the phone by gently lifting the tabs located on top of the phone near the lock button.
- Use the case opener or spudger in these small areas because the plastic tabs can be easily broken.
- Lift the tabs located on the bottom of the phone to continue removing the back cover.

Step 5



- Slide an opening tool between the gap from the back of the case to the front.
- After separating the sides, make sure there is a noticeable gap between the back case and the rest of the phone.
- After detaching the tabs and sliding down the sides, there should be a noticeable gap between the front and back cases.

Step 6



- Carefully separate the back case from the rest of the phone by lifting it away from the phone.

⚠ Do not completely remove the case from the rest of the phone. The antenna is connected to both cases.

Step 7



- Disconnect the antenna from its housing on the motherboard by gently lifting beneath it.

Step 8



- Ease the antenna from out of its guide along the side of the phone
- Once the antenna is detached, remove the back case and the antenna from the phone

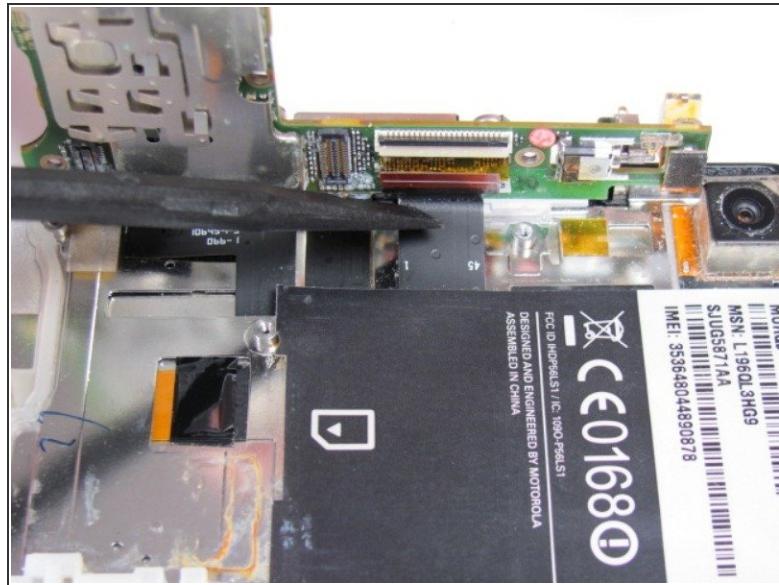
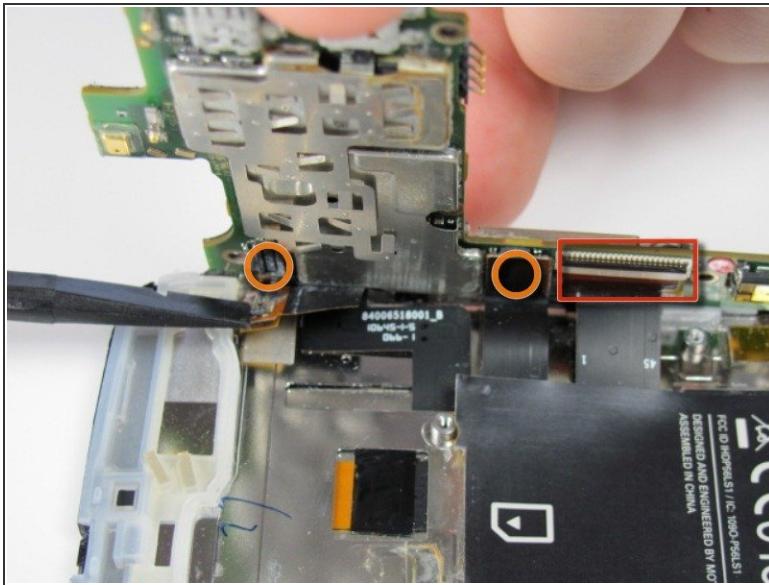
 The antenna is soldered to the back case. Do not pull with too much force.

Step 9 — Motherboard



- To remove the motherboard, first dislodge the right side of the motherboard, where the external connections are located, from the rest of the phone.
- This can be done by placing a spudger in between the two ports on the phone, between the black plastic and motherboard, and prying out.
- The motherboard should be able to be easily lifted upwards after dislodging it.
- If the white rubber piece moves, replace it where it came from upon reassembly.

Step 10



- First, several connections must be disconnected to completely separate the motherboard from the rest of the phone.
- The connection highlighted with a red box must be pulled down instead of out.
- Using the spudger tool, separate the two connections on the motherboard highlighted with orange circles by pulling them out.
- The black switch on top of this connection acts as a lock. Push it forwards to unlock the connection.

Step 11



- After disconnecting the motherboard, there should be five distinct and separate parts of the phone: back cover, back case, front case, battery, and motherboard.

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