



Motorola Atrix 4G Motherboard Replacement

This guide will show you how 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 Tool](#) (1)
 - [Spudger](#) (1)
 - [T5 Torx Screwdriver](#) (1)
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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.

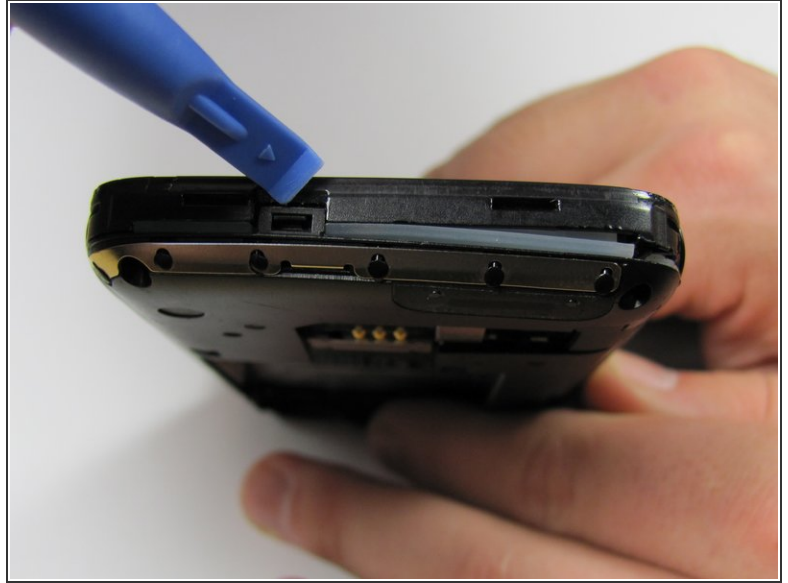
Step 3 — Antenna



- 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.

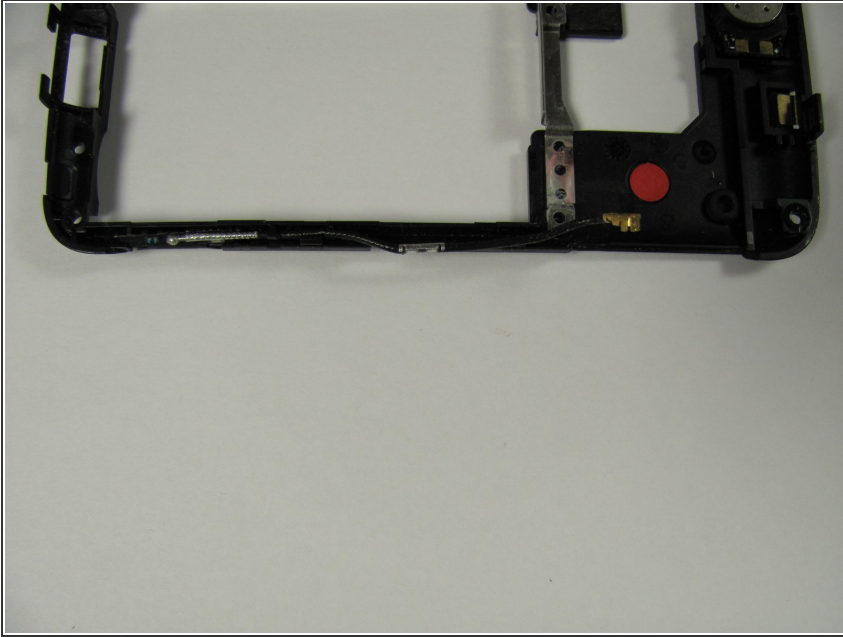
⚠ Do not completely remove the case from the rest of the phone. The antenna is connected to both cases.

Step 7



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

Step 8



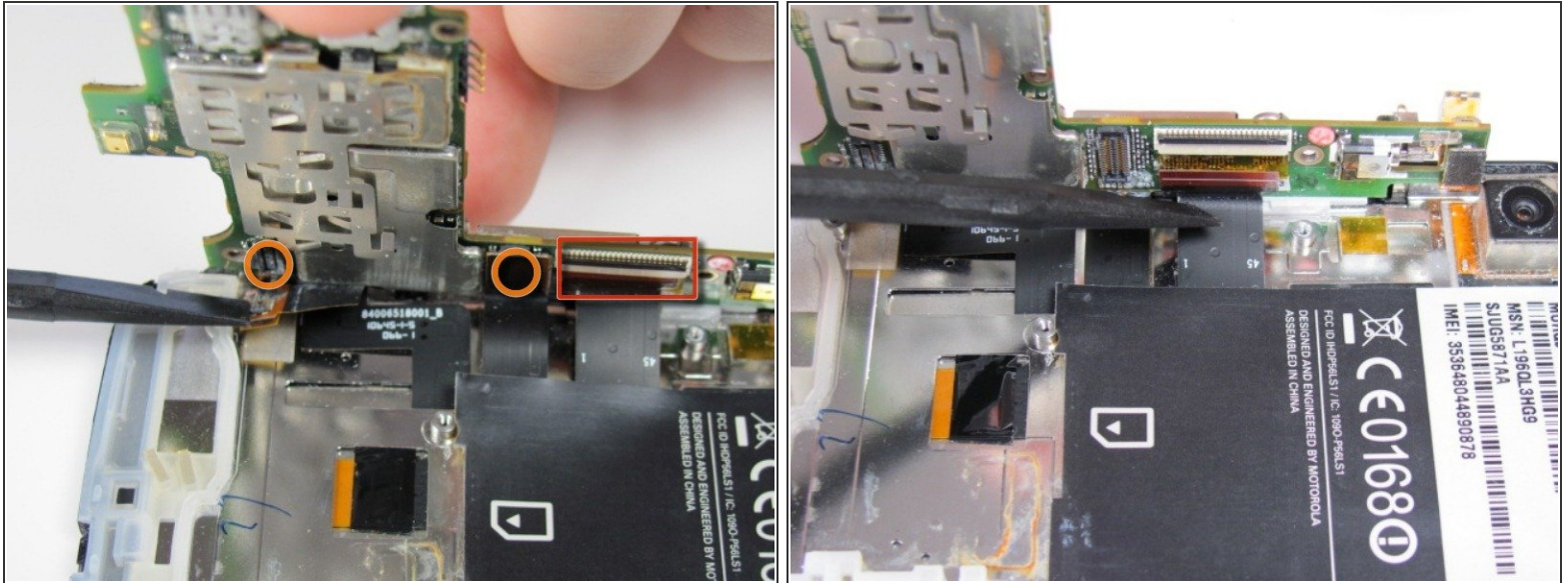
- Ease the antenna from out of its guide along the side of the phone
- Once the antenna is detached, remove the back case and the antenna from the phone
- ★ The antenna is soldered to the back case. Do not pull with too much force.

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.