



Motorola Droid Motherboard Replacement

Follow this guide to replace your Droid's broken or malfunctioning motherboard.

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INTRODUCTION

Follow this guide to replace your Droid's broken or malfunctioning motherboard.



TOOLS:

- [Spudger](#) (1)
 - [T5 Torx Screwdriver](#) (1)
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Step 1 — Battery



- Slide the battery cover downwards while applying pressure to the center of the battery cover with your thumb.
- Lift and remove the battery cover out from the phone.

Step 2



- Grasp the upper left corner of the battery and lift it out of its housing.

Step 3 — Rear Case



- Use a spudger to lift and remove the black plastic screw cover at the top of the phone near the camera.
- ⓘ The cover is attached by adhesive, so some force may be required.

Step 4



- Using the tip of a spudger, peel up one corner of the gold ribbon beneath the battery compartment.
- Peel the ribbon off the phone.

Step 5



- Carefully peel the device information label that covers the motherboard EMI shields.
- i** This label contains important information specific to the phone. Remove it with care and keep it in a safe place.

Step 6



- Insert the flat end of a spudger and pry the plastic camera cover up off the phone.
- !** The thin plastic cover is attached to the phone with an adhesive. Work slowly and carefully.

Step 7



- Remove the seven 5.5 mm T5 Torx screws securing the rear case to the inner case.

Step 8



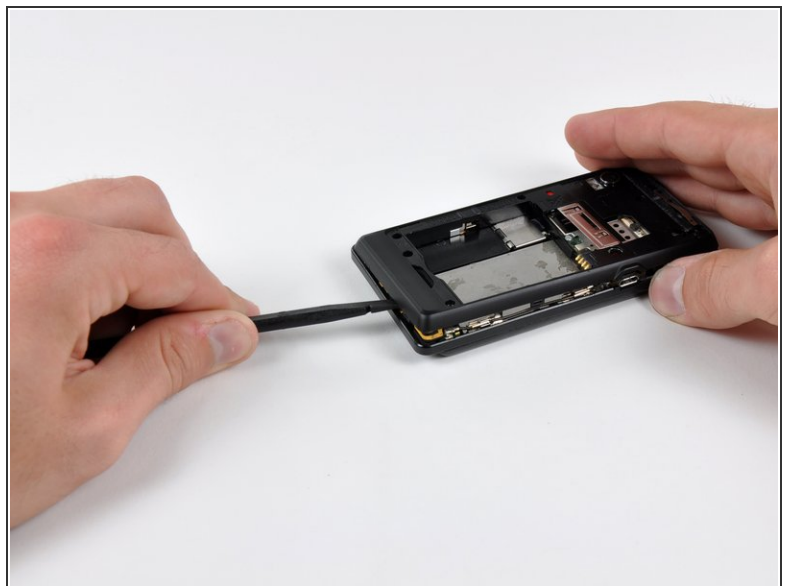
- Insert the flat end of a spudger and pry downwards to release the plastic tab holding the rear case to the motherboard screw.

Step 9



- Gently insert a spudger between the rear case and front case at the top of the phone, near the audio jack.
- Carefully pry the top edge of the rear case up from the rest of the phone.

Step 10



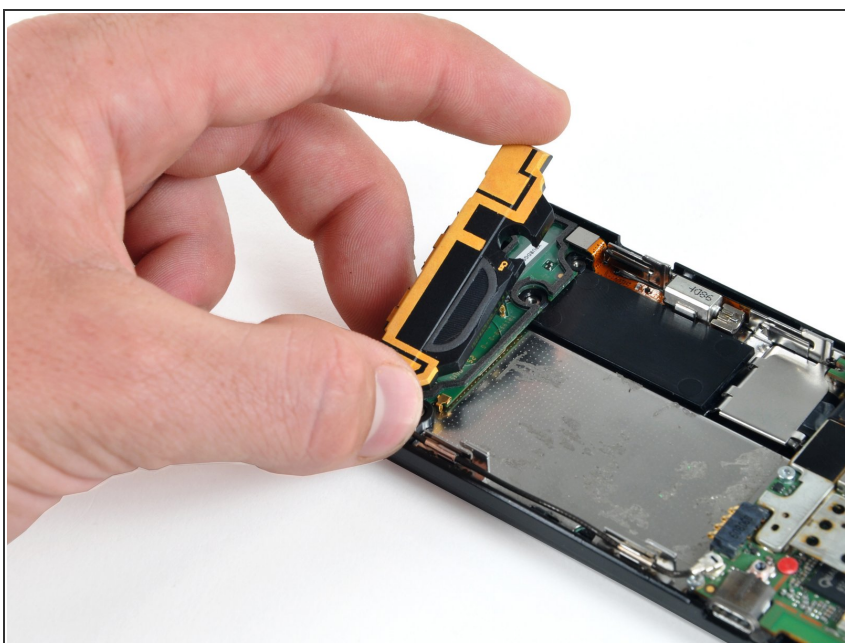
- With the spudger still inserted between the rear case and front case, slide the spudger along the right edge of the device, moving toward the bottom, prying as you go.
- Continue prying along the bottom edge of the device from right to left, freeing it from the front panel.

Step 11



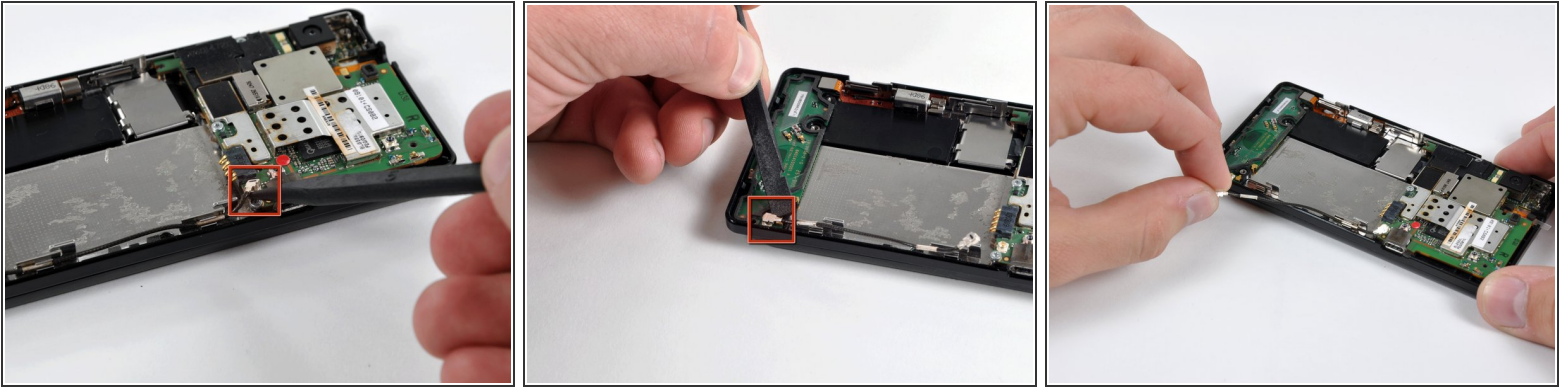
- Continue prying the rear case from the front case along the left side, moving from bottom to top.
- Lift the rear case up out of the phone.

Step 12 — Speaker



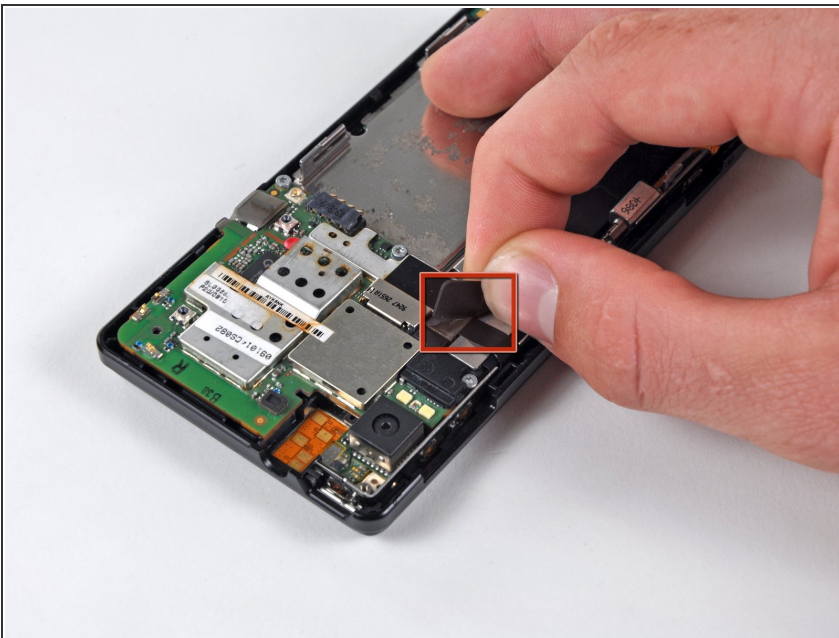
- Carefully lift and remove the speaker assembly up out of the phone.

Step 13 — Motherboard



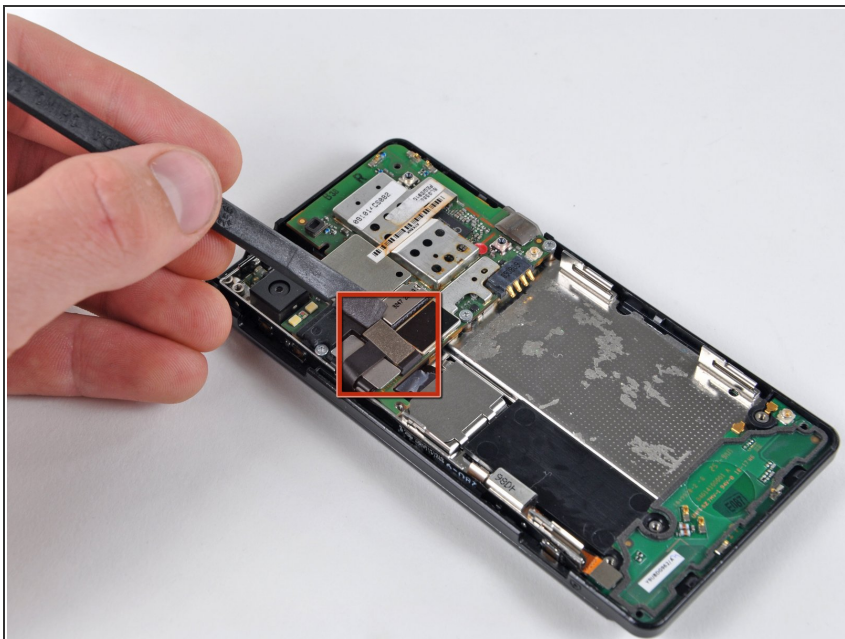
- Use a spudger to pry the antenna cable connectors from their respective sockets on the motherboard and the speaker/antenna board.
- De-route the antenna cable by pulling it out of the metal clips along the side of the front case.

Step 14



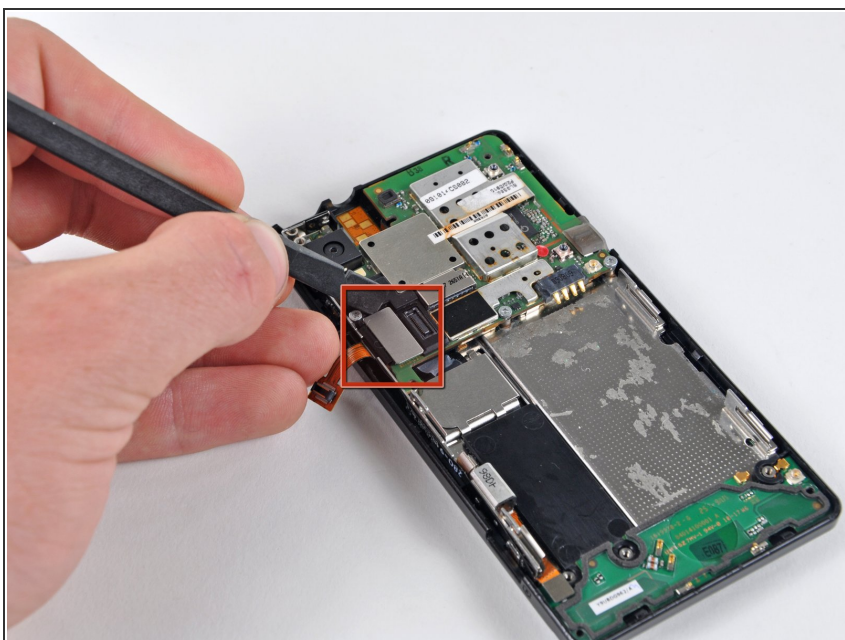
- Peel the black tape covering the side button and display ribbon connectors on the motherboard.

Step 15



- Disconnect the power button/volume button connector from its socket on the motherboard using the flat end of a spudger.

Step 16



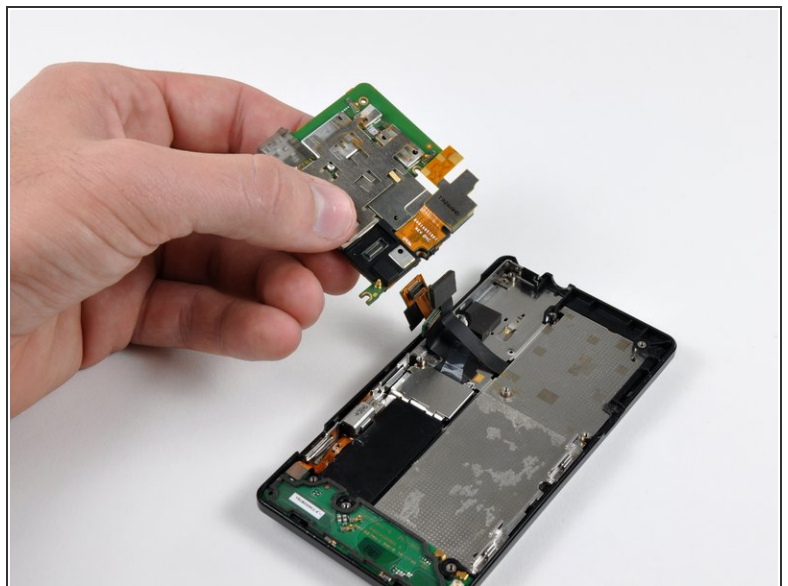
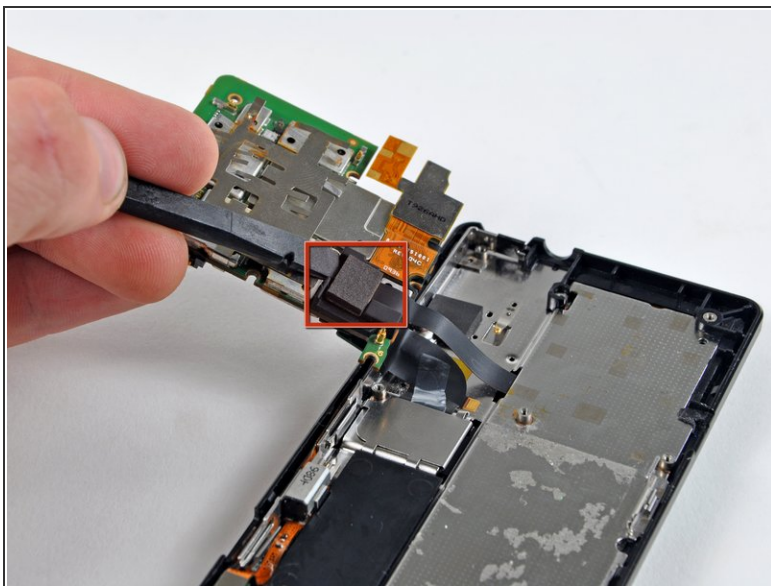
- Disconnect the display ribbon connector from its socket on the motherboard using the flat end of a spudger.

Step 17



- Remove three 3.8 mm T5 Torx screws securing the motherboard to the front case.
- ⚠ Don't attempt to remove the motherboard yet, it is still attached by the keypad ribbon connector.

Step 18



- ⓘ Carefully lift the motherboard from the front case and lay it next to the Droid, minding the keypad connector that is still attached.
- Disconnect the keypad connector by prying it straight up off its socket on the motherboard.
- Remove the motherboard from the phone.

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