
INTRODUCTION

Defective motherboard can cause numerous different problems, and replacing the motherboard is usually a last resort. However, replacement will fix many different problems. This guide has one tricky step, which is removing a ribbon cable, but someone with little to no technical knowledge should be able to follow this guide.

TOOLS:

- [Spudger](#) (1)
 - [T8 Torx Screwdriver](#) (1)
 - [Tweezers](#) (1)
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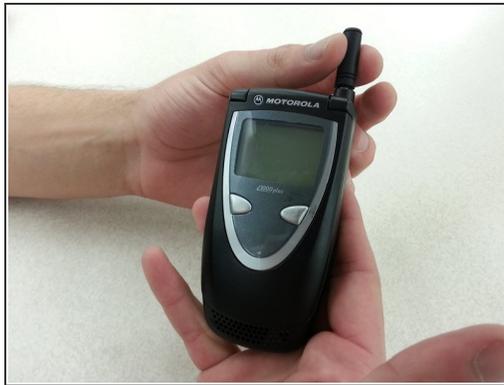
Step 1 — Battery



 Be sure phone is powered off before removing the battery.

- Push the tab located at the bottom of the battery towards the top of the phone.
- Lift the battery away from the phone.

Step 2 — Antenna



- Grasp the antenna between two fingers and turn it counterclockwise until it is unscrewed.
- Pull the antenna straight out of the phone.

Step 3 — Back Cover



- Pry off the bottom piece using the spudger.
- ⓘ There are notches on the edge of this piece that can be used to aid prying.

Step 4



- Remove the sticker overlaying the NEXTEL logo.

Step 5



- Using a Torx T8 screwdriver, remove the two screws exposed after removing the sticker by unscrewing counterclockwise.

Step 6



- Starting from the bottom and working towards the top, use a spudger to pry the back cover off the phone.

Step 7 — Motherboard



- Using a Torx T8 screwdriver, remove the two circled screws by unscrewing counterclockwise.

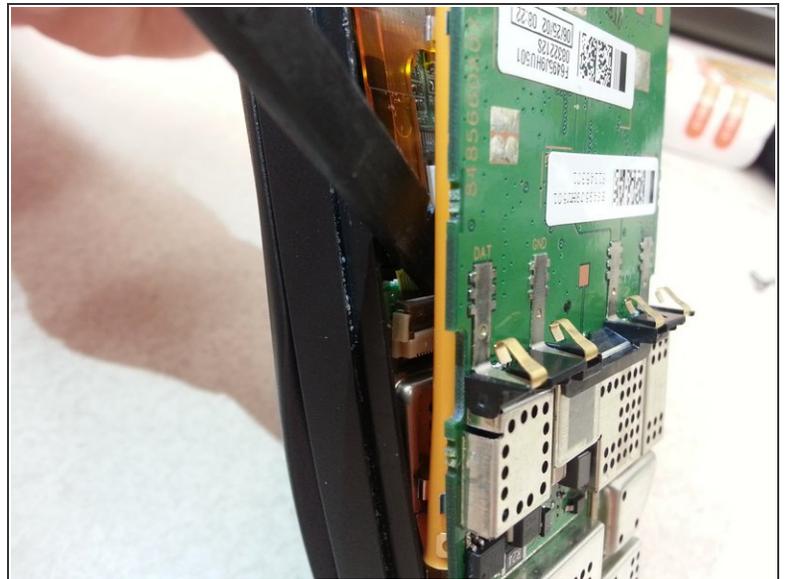
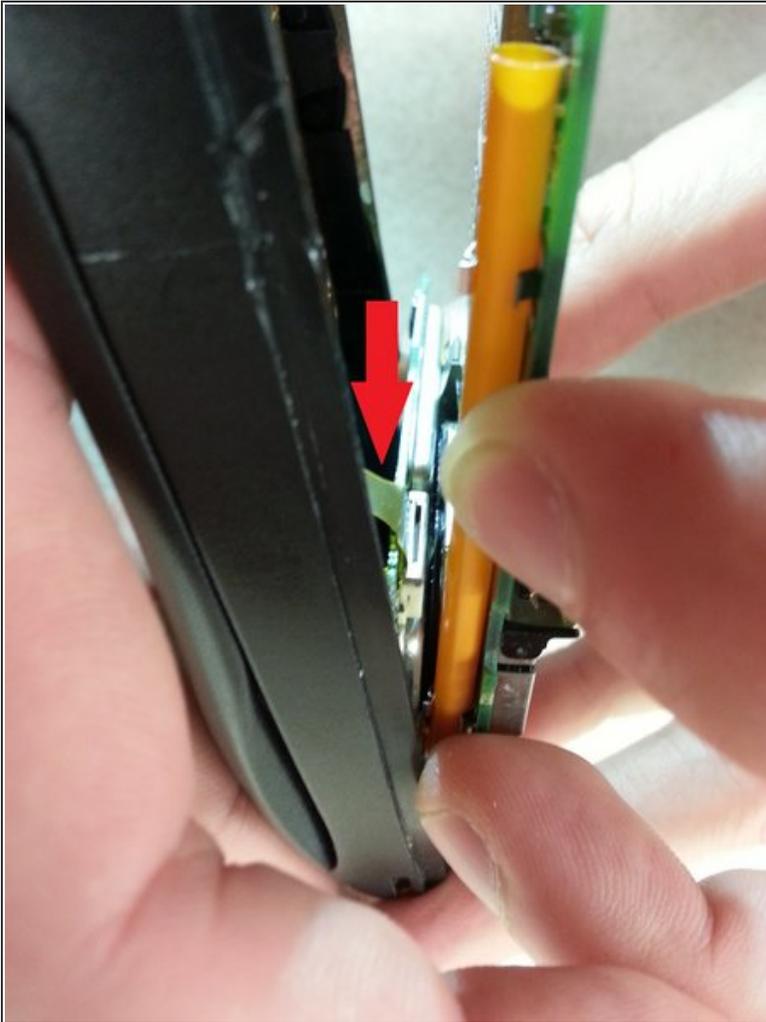
Step 8



- Using a pair of tweezers, firmly grasp the connector at the top of the phone and pull the connector straight away from the phone.

⚠ Do not pull the connector off by the wire. This could damage or destroy the wire or connector.

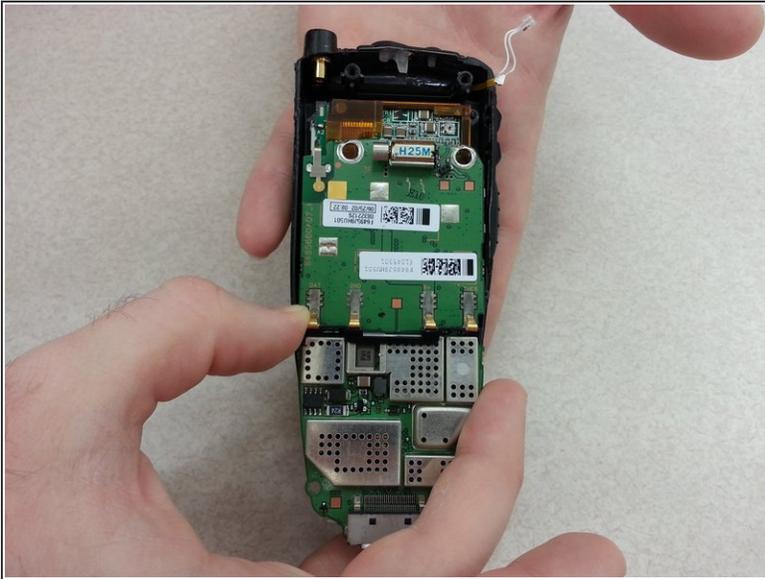
Step 9



- Unclip the ribbon cable, located underneath the motherboard, by using the spudger to push up on the dark brown part of the connector located on the circuit board.

⚠ Do not pull the motherboard too far away from the phone with the ribbon cable still connected. this will damage the cable or the motherboard.

Step 10



- Remove the motherboard by firmly grasping the edges of the circuit board with one hand and the phone with the other and pulling up on the motherboard slightly and then pulling it straight down toward the bottom of the phone.
- ⚠ Be sure to pull straight down to disconnect the ribbon cable properly. Pulling in another direction may cause damage to the cable or the motherboard.

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