



Samsung Galaxy Note 3 Motherboard Replacement

The motherboard must be removed to access some other components.

Written By: Brittany Gail



INTRODUCTION

This explains how to gain access to components behind the motherboard.



TOOLS:

- [Tweezers](#) (1)
- [iFixit Opening Tools](#) (1)
- [Spudger](#) (1)
- [Phillips #00 Screwdriver](#) (1)



PARTS:

- [Galaxy Note 3 Motherboard \(Verizon\)](#) (1)
- [Galaxy Note 3 Motherboard \(Sprint\)](#) (1)
- [Galaxy Note 3 Motherboard \(AT&T\)](#) (1)
- [Galaxy Note 3 Charging Assembly \(Verizon\)](#) (1)
- [Galaxy Note 3 Charging Assembly \(T-Mobile\)](#) (1)
- [Galaxy Note 3 Charging Assembly \(AT T\)](#) (1)

Step 1 — Remove the rear case



- Insert a fingernail or plastic opening tool in the gap between the rear case and the base of the phone.

Step 2 — Remove Case from the Base



- Slide your fingernail or plastic opening tool along the edge of the rear case.
- Lift the case gently from the base.

Step 3 — Battery



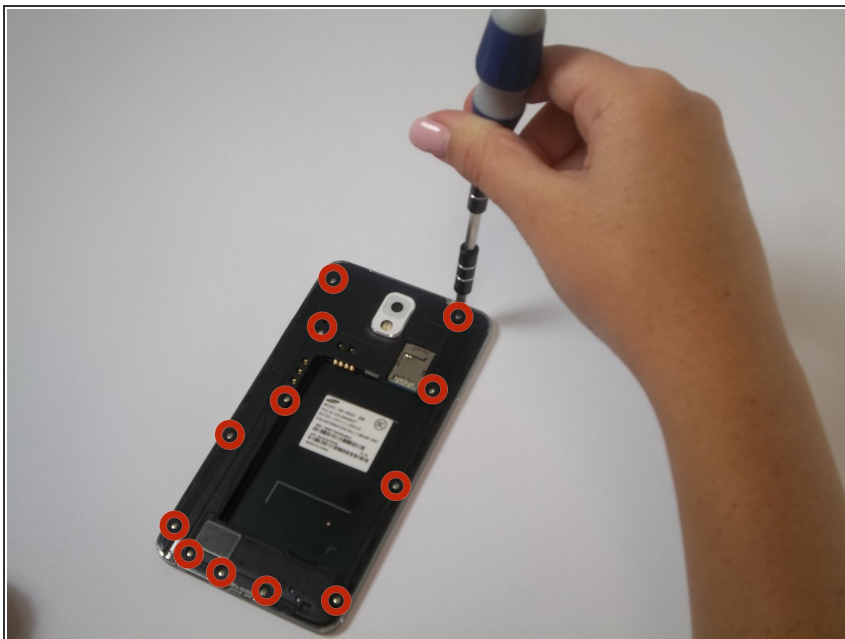
- Insert a fingernail or plastic opening tool into the small gap between the battery and the phone base.
- Lift the battery out of its recess.

Step 4 — S Pen



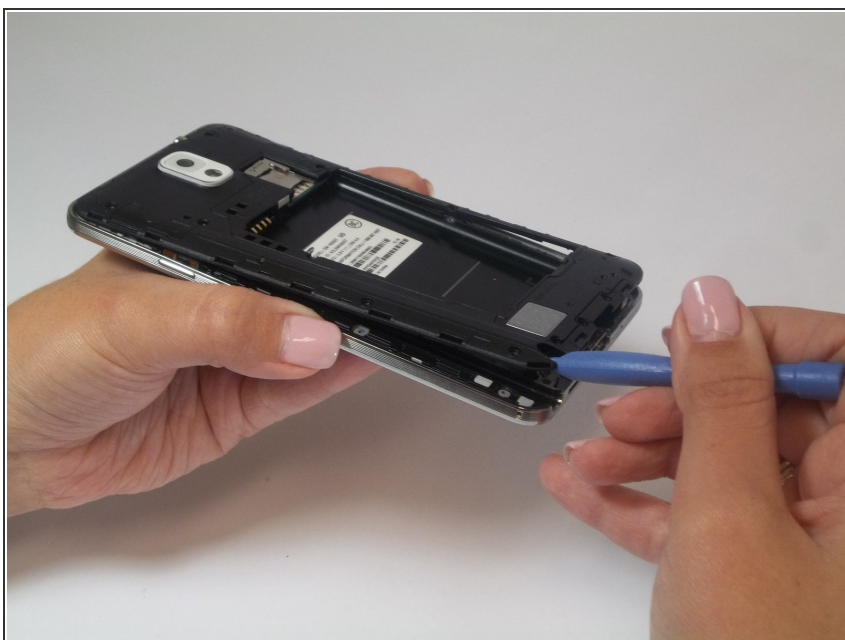
- Place your fingernail in the groove of the stylus pen.
- Pull the stylus pen away from the phone.

Step 5 — Unscrew Back Chassis



- Remove the twelve 4mm Phillips #00 screws from the back chassis.

Step 6 — Remove Back Chassis



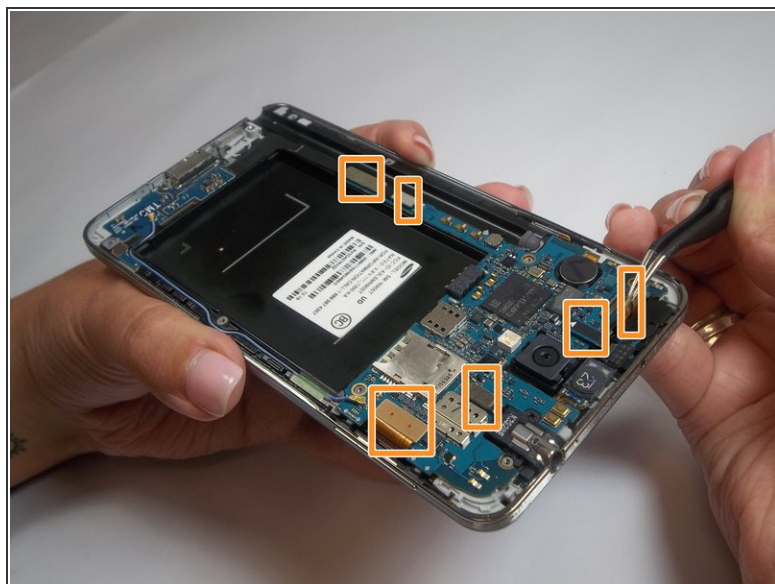
- Insert the plastic opening tool into the Stylus Pen placement holder.
- Lift the plastic opening tool so that the midframe separates from the base.

Step 7 — Screw Removal



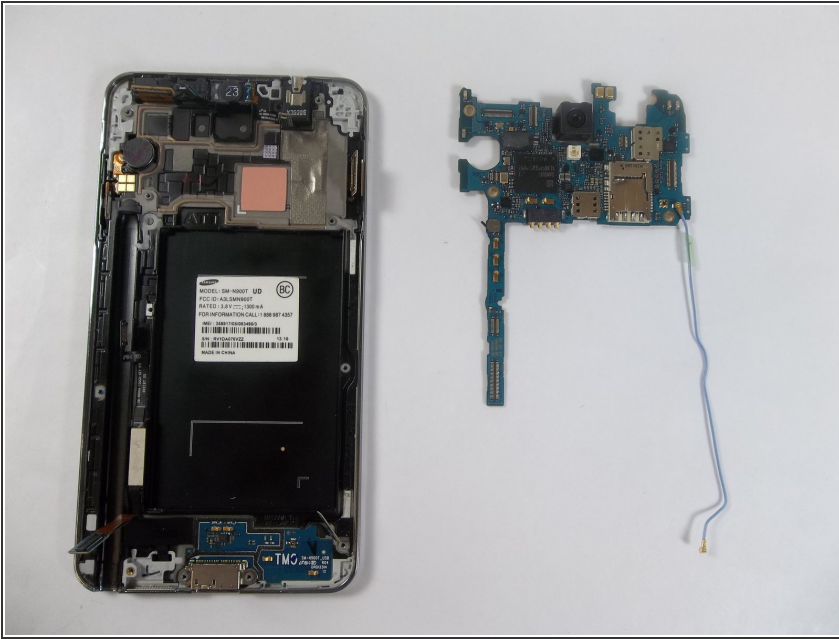
- Remove the single screw beside headphone jack.

Step 8 — Unfasten Clips and Cable Connectors



- Use tweezers to remove both antenna clips.
- Use a spudger to disconnect six cable connectors.

Step 9 — Motherboard Removal



- Pull up on the motherboard with tweezers.

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