



Samsung Galaxy Note 4 Motherboard Replacement

Replace the motherboard.

Written By: Geoff Wacker



INTRODUCTION

Use this guide to replace the motherboard in your Samsung Galaxy Note 4.



TOOLS:

- [Phillips #00 Screwdriver](#) (1)
- [iFixit Opening Tool](#) (1)



PARTS:

- [Galaxy Note 4 Motherboard \(Sprint\)](#) (1)
- [Galaxy Note 4 Motherboard \(Verizon\)](#) (1)
- [Galaxy Note 4 Motherboard \(T-Mobile\)](#) (1)
- [Galaxy Note 4 Motherboard \(AT T\)](#) (1)
- [Galaxy Note 4 Volume Button Board \(AT&T\)](#) (1)
- [Galaxy Note 4 Earpiece Speaker \(AT T\)](#) (1)

Step 1 — Rear Case



- Insert a fingernail or plastic opening tool into the divot to the left of the rear-facing camera.
- Gently pry and twist the flexible rear cover off the back of the phone.

Step 2 — Battery



- Insert a fingernail or plastic opening tool into the recess in the bottom right corner of the battery and lift upward.
- Remove the battery.

Step 3 — SIM Card



- Remove the SIM card by first pushing the card slightly out of its housing, then pulling it the rest of the way.

Step 4 — Midframe



- Remove the sixteen 4.0 mm Phillips #00 screws securing the midframe to the display assembly.
- Grasp the cap of the S Pen and remove it from its slot in the midframe.

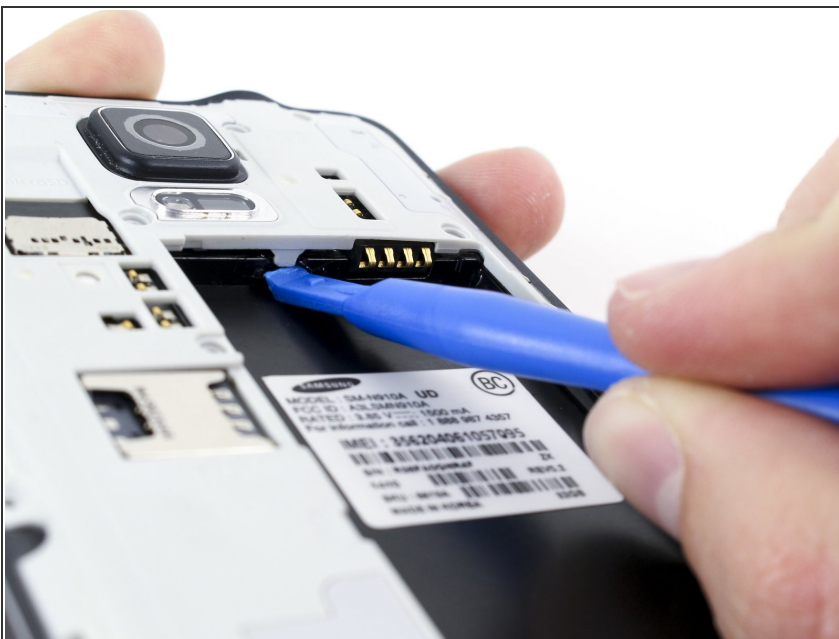
Step 5



- Insert a plastic opening tool between the midframe and the display assembly.
- Work the plastic opening tool around the perimeter of the phone to break the adhesive.
- ⓘ This adhesive is relatively weak, so no heat gun should be necessary.

⚠ Be careful to not separate the front glass panel from the rest of the display assembly, as it is still held together with adhesive.

Step 6



- Use a plastic opening tool to loosen the clasps around the battery housing.

Step 7



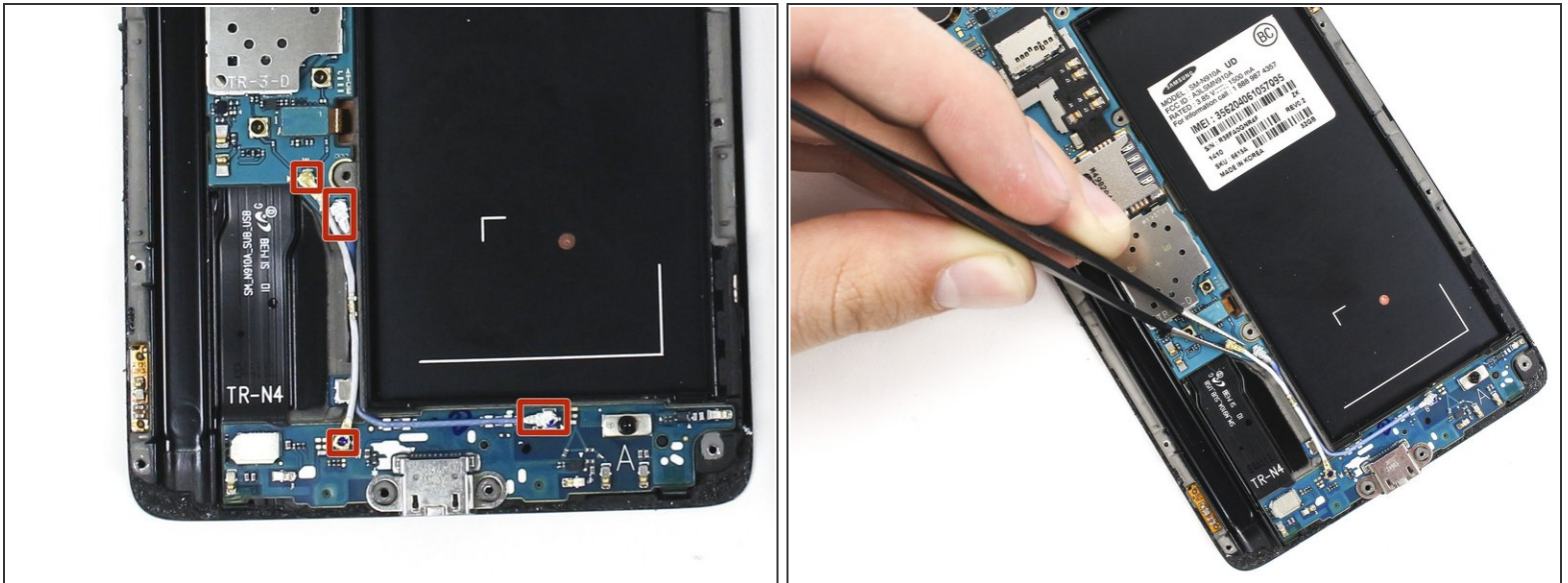
- Push on the battery housing to separate the midframe from the display assembly.
- ⓘ You will have to apply a reasonable amount of pressure to separate the two parts.
- ⓘ If your new midframe does not come with a headphone jack assembly, you'll need to transfer the one from the old midframe into the new one. It can be pried loose with plastic opening tools, as it is held in place with several plastic pins.

Step 8 — Motherboard



- Remove the two 2.9 mm Phillips #00 screws.

Step 9



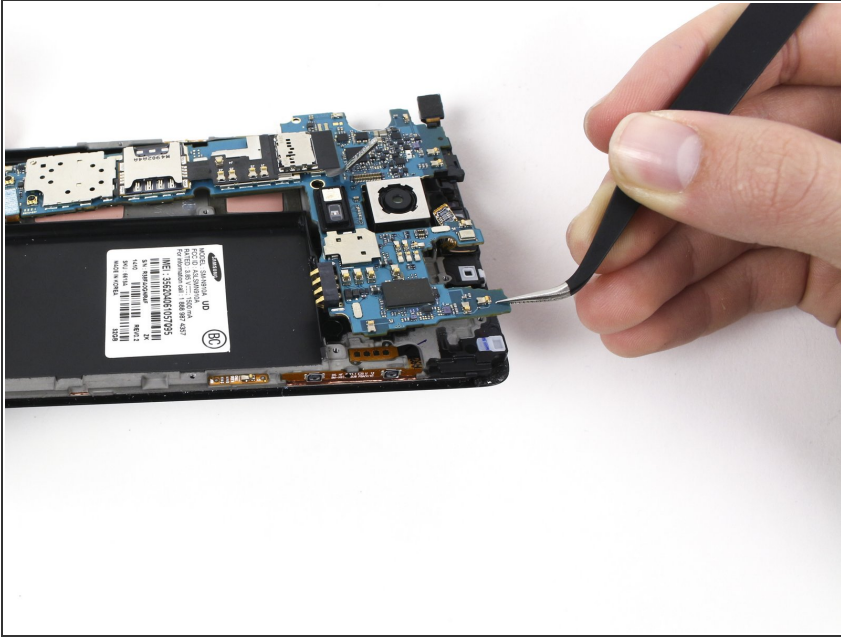
- Use a set of tweezers to remove the two antenna cables.

Step 10



- Use a set of tweezers or the flat end of a spudger to disconnect the two ribbon cable connectors.

Step 11



- Gently lift the motherboard out of the phone.

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