



Xiaomi Redmi Note 3 Repairability Assessment

Xiaomi Redmi Note 3 repairability assessment performed on January 10, 2017.

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INTRODUCTION

The Xiaomi Redmi Note 3 is an easy to open phone that has an easy to remove battery. Almost reaching repairability perfection, the phone falls short at 8 out of 10 due to its difficult to replace display.

TOOLS:

- [Spudger](#) (1)
- [iFixit Opening Tools](#) (1)
- [iFixit Opening Picks set of 6](#) (1)
- [Tweezers](#) (1)
- [Phillips #00 Screwdriver](#) (1)

Step 1 — Xiaomi Redmi Note 3 Repairability Assessment



- Exterior reference photos.

Step 2



- There are no exterior screws. The top and bottom panels of the rear case are made of plastic, but cannot be separated from the rest of the case.
- Prying the body of the phone out of the rear case is fairly straight-forward, the plastic clips holding it are flexible enough to bend without breaking, and are not too strong.
- Fingerprint sensor cable connects the rear case to the interior of the phone, but is long enough that you can safely disconnect it without damaging it.

Step 3



- Fingerprint sensor is the only component left in the rear case.
- Fairly easy to remove by pushing through the back of the case.

Step 4



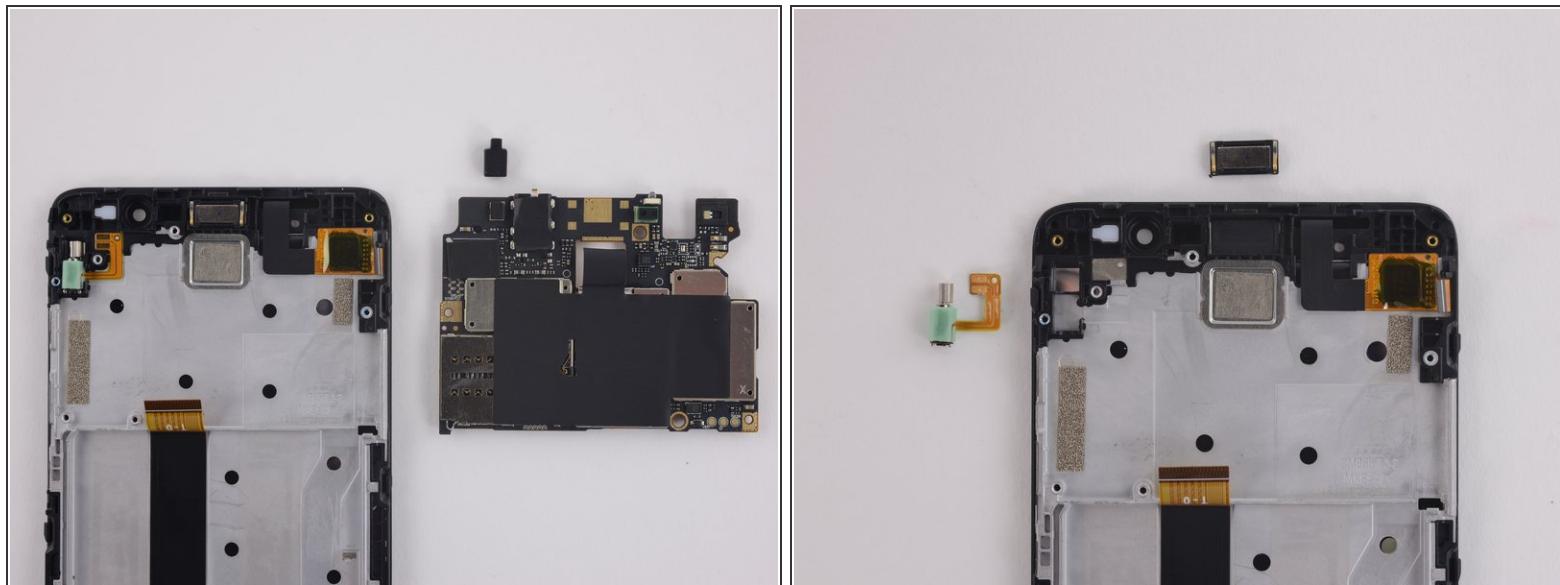
- Battery pull strips are awesome for easy battery removal.
- Battery removed.

Step 5



- First layer of removable components includes: loudspeaker assembly, antenna, buttons, vibrator bracket, front- and rear-facing cameras.
- Next out: interconnect cable and antenna interconnect.
- Next out, daughterboard with charging port.

Step 6



- Motherboard removal, the only component removed from the motherboard is a rubber duct for the microphone.
- The main board is pretty minimal, but the headphone jack is soldered on, making jack replacements expensive.
- Final components off of the display assembly are the vibrator and earpiece speaker.
- The fused, midframe-mounted display assembly is last out, making fixing a broken screen a more expensive and time consuming repair.

Step 7



- The Xiaomi Redmi Note 3 earns an **8 out of 10** on our repairability scale (10 is the easiest to repair):
 - Despite no external screws, the rear case is fairly easy to remove.
 - Battery is easy to access and remove.
 - Modular design with charging port on its own daughterboard means many components can be independently replaced.
 - Display assembly is a single fused component, that requires disassembling the entire phone to replace.
 - Manufacturer does not provide user-accessible repair documentation.