



Nokia 2 Teardown

This is a teardown of the Nokia 2 and released in 2017. Initially released for lower budgets, this phone has a 4100 mAH battery.

Written By: Zean



INTRODUCTION

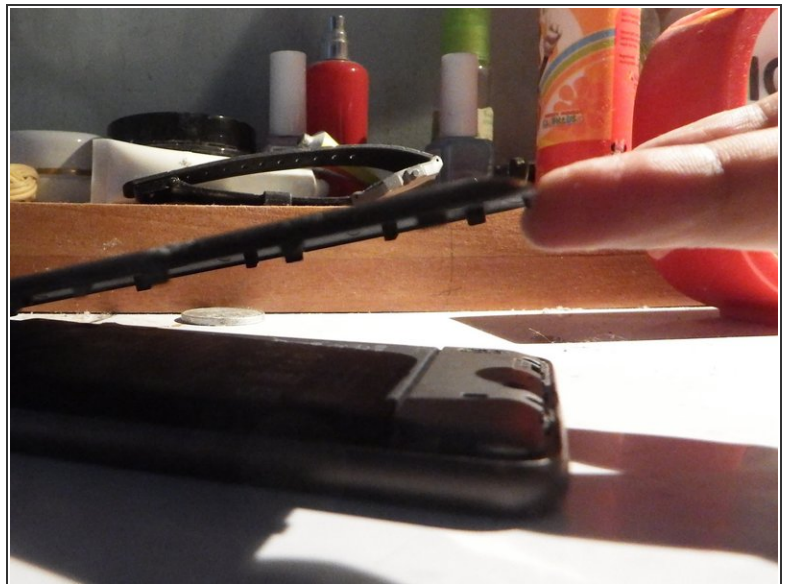
I was browsing my attic for a teardown idea, but somehow found my old, non-working Nokia 2. Nokia 2 is a budget phone that has the lowest specs.

Step 1 — Prepare your tools



- i** Prepare your tools before starting the repair.
- i** I have a random multi-set screwdriver laying around, but it doesn't have T2 head.

Step 2 — Pry open the back casing



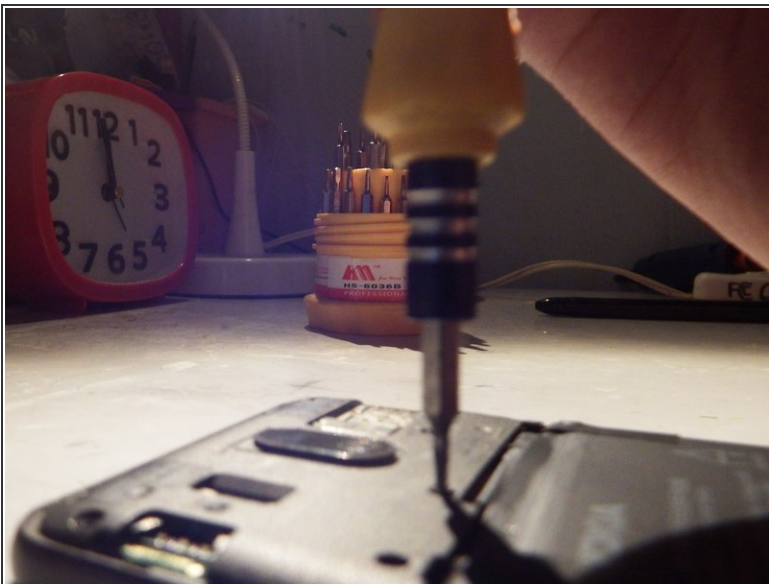
- Open the back casing with your fingernail or a plastic pick.
- i** Once you disconnect the back casing, you can use a pry tool or some other kind of resistive tool to lift the back panel.

Step 3 — Pay attention to the screws



- Unscrew the seven screws with your T5 screwdriver.
- These screws should be removed with your T2 screwdriver.

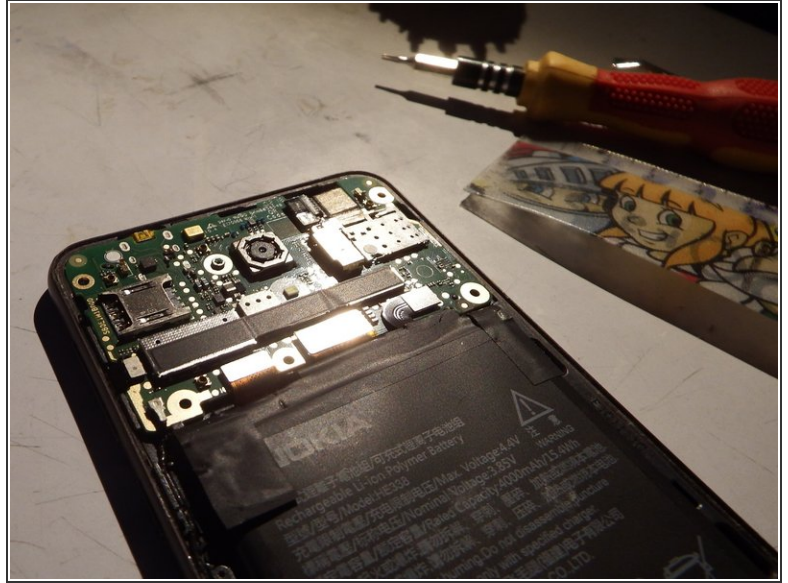
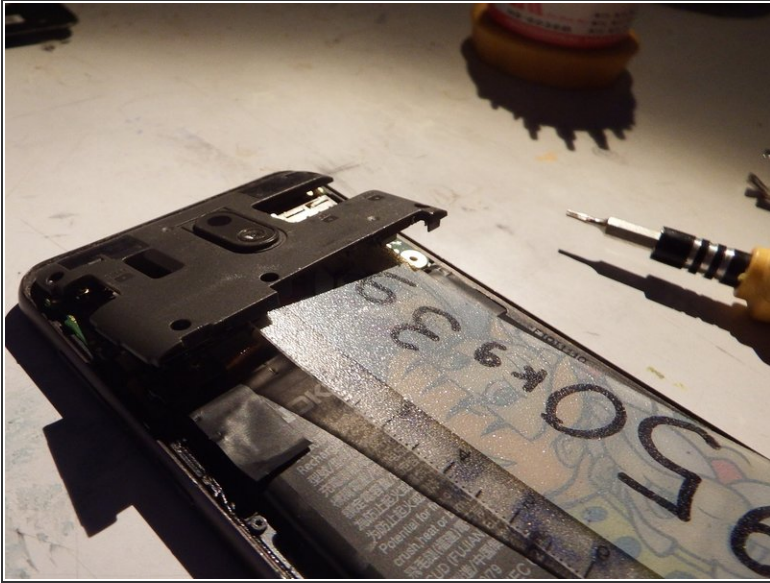
Step 4 — Unscrew the screws



i Prepare your T5 screwdriver.

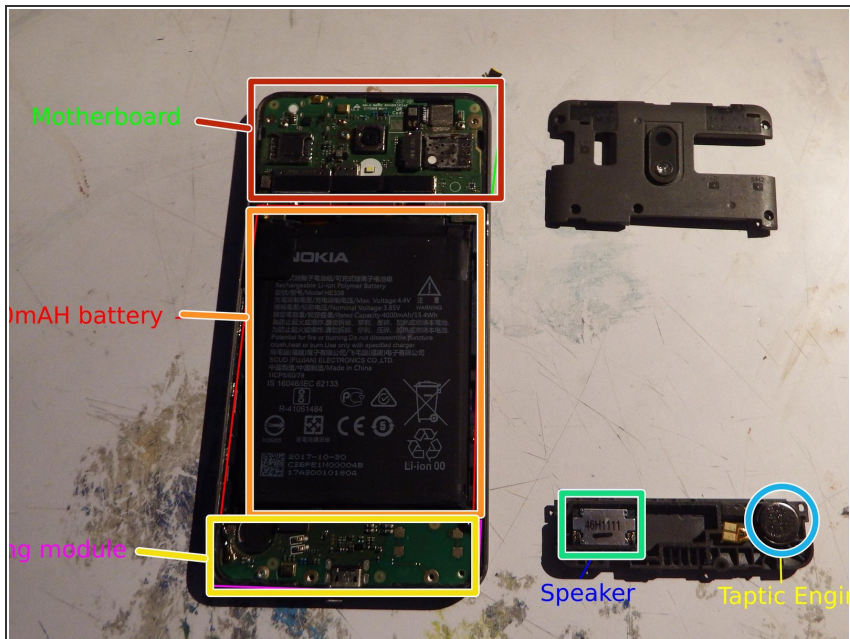
i Unscrew as marked in Step 3.

Step 5 — Remove the back of the inner casing



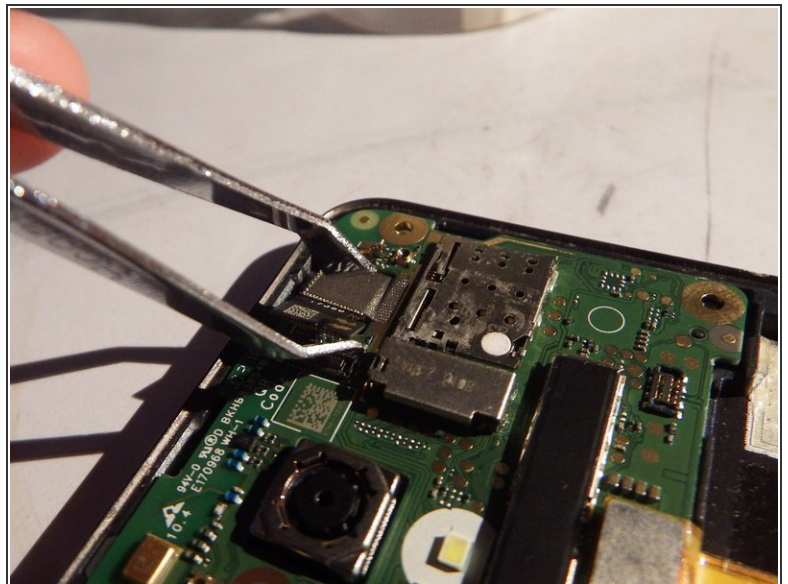
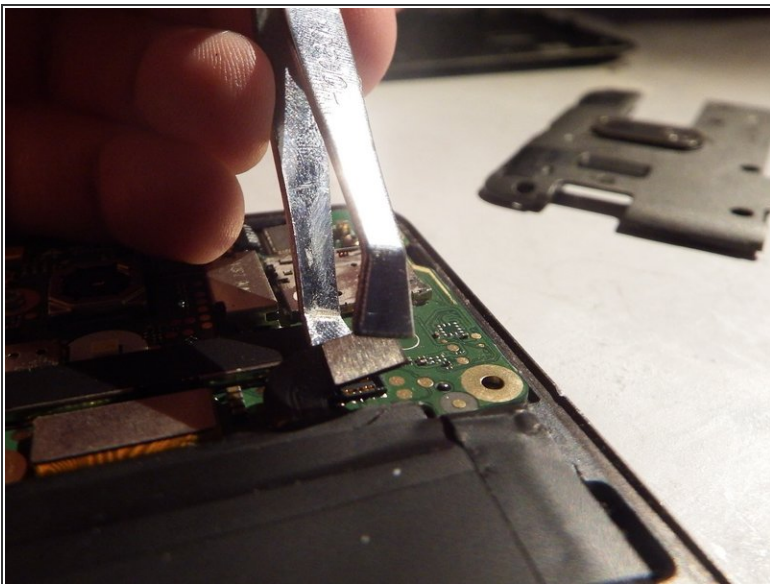
- Use a spudger or anything that is thin and sturdy (not a piece of paper).
 - ⓘ A piece of paper is not ideal to remove the inner casing because it may rip. A ruler will also work.
 - Take your tool and place between the back cover and the device. Lift the tool until the motherboard is exposed.
- ⚠ Be careful when opening it! If you break the plastic, there is no way to reassemble it to make it new again.

Step 6 — 1st part summary



- This is the motherboard.
- This is the big mammoth, the 4000mAh battery.
- This is where our charging module sits.
- This is the speaker itself.
- This is where the Taptic Engine resides.

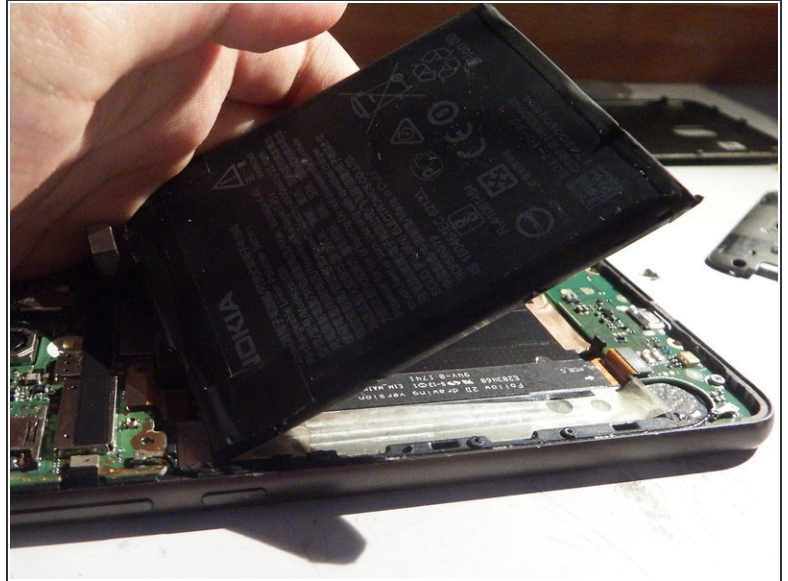
Step 7 — Let's dig more in! Detach all flex cable in the phone



- Before the moment of truth, let's detach more cables.

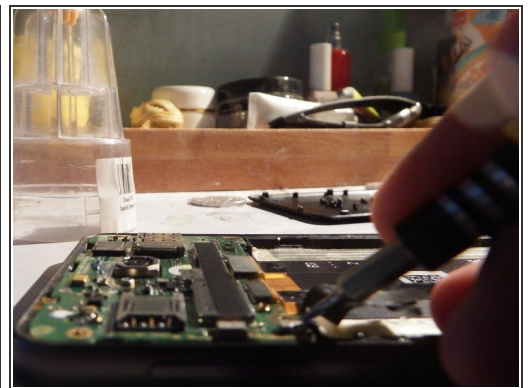
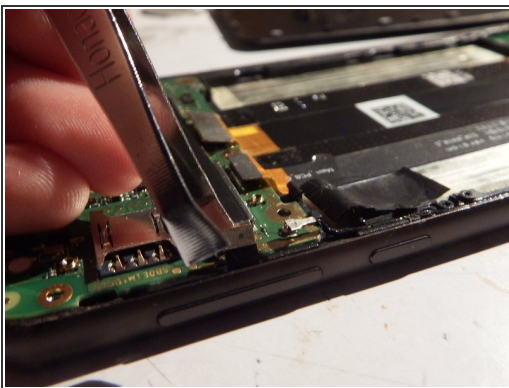
⚠ Do not break the flex cable. Damaging the flex cable may result in a non-working phone. Please be careful!

Step 8 — Squeeze out the battery



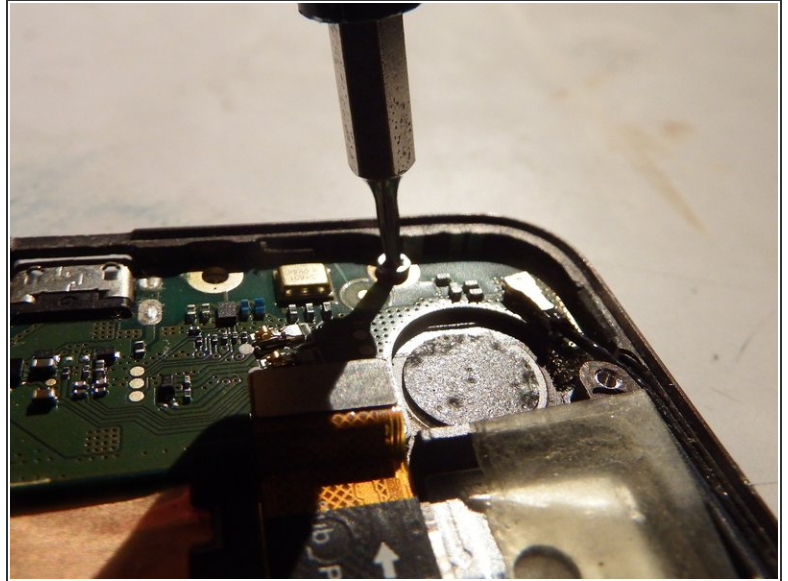
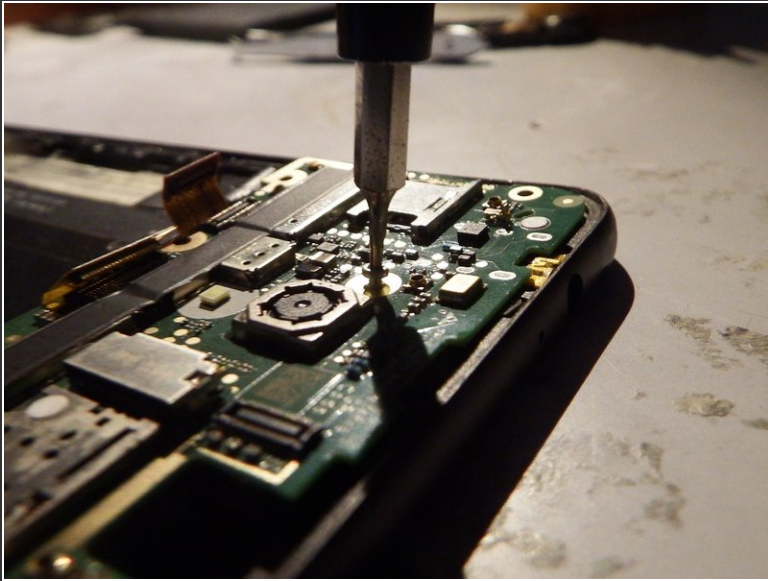
- Use the spudging tool (used on step 5), Remove the battery from the slit shown and cut it.
- i** The second picture shows what it will look like.

Step 9 — Make more of it!




- Repeat the process as shown in Step 7.

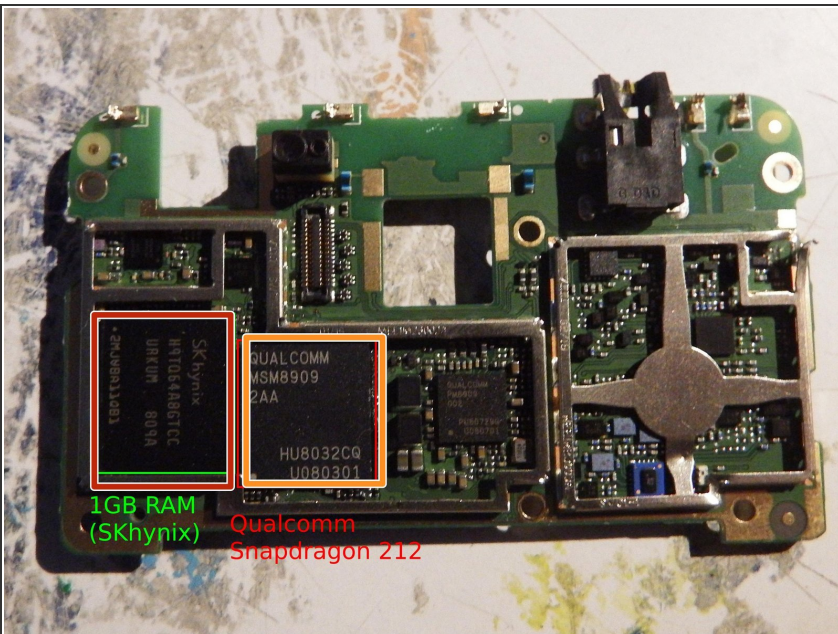
Step 10 — Unscrew the screws on the motherboard and charging module



 To avoid further damage, remove the screws first.

 If you do not remove the screw and just proceed to the removal, you will damage the board, resulting in your phone being irreversibly broken.




Step 11 — 2nd summary



- The green marks the 1GB RAM made by SK hynix
- The red marks the Qualcomm Snapdragon 212. Unfortunately, this chip only supports ARMv7 so you can only play a little bit of games

Step 12 — Pry off the screen



-  Use an iOpener and a spudger to open it.
-  If you can't afford those like me, you can use a hair dryer and some cards.
-  If you pry it open improperly, the LCD screen inside may be cracked, thus you'll have to do screen replacement to reconstruct it.

Step 13 — Summary



- Here is the device fully broken down.

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