



Nook BNRV300 Motherboard Replacement

This guide shows the steps on how to replace the motherboard on the Nook BNRV300.

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INTRODUCTION

This guide describes the removal of the motherboard from the Nook BNRV300 device. This device is also called the "Nook Simple Touch."

Removing the motherboard allows access to the display and the plastic front cover frame. Removal of the motherboard also enables you to work on electrical components.

Warning: Using metal tools on the motherboard or any electrical components could cause shock to yourself and/or your device. Using plastic tools reduces this risk, but pay attention when working on your device.

TOOLS:

- [iFixit Opening Tools](#) (1)
- [Spudger](#) (1)
- [T5 Torx Screwdriver](#) (1)
- [Tweezers](#) (1)

Step 1 — Power Button



! Power off your Nook before working on your device. Hold the power button for about 5 seconds and select the “Power Off” option.

- Turn the Nook over to find the power button along the back upper edge.
- Wedge the spudger between the top of the power button and the upper edge of the device.
- Push the tool down to pry the button up and off.

Step 2



- Using your fingers, take off the power button.

Step 3 — Back Cover



- Peel off the white sticker that is covering the screw head.
- Remove the one 2mm-long screw using a size T5 Torx screwdriver.

Step 4



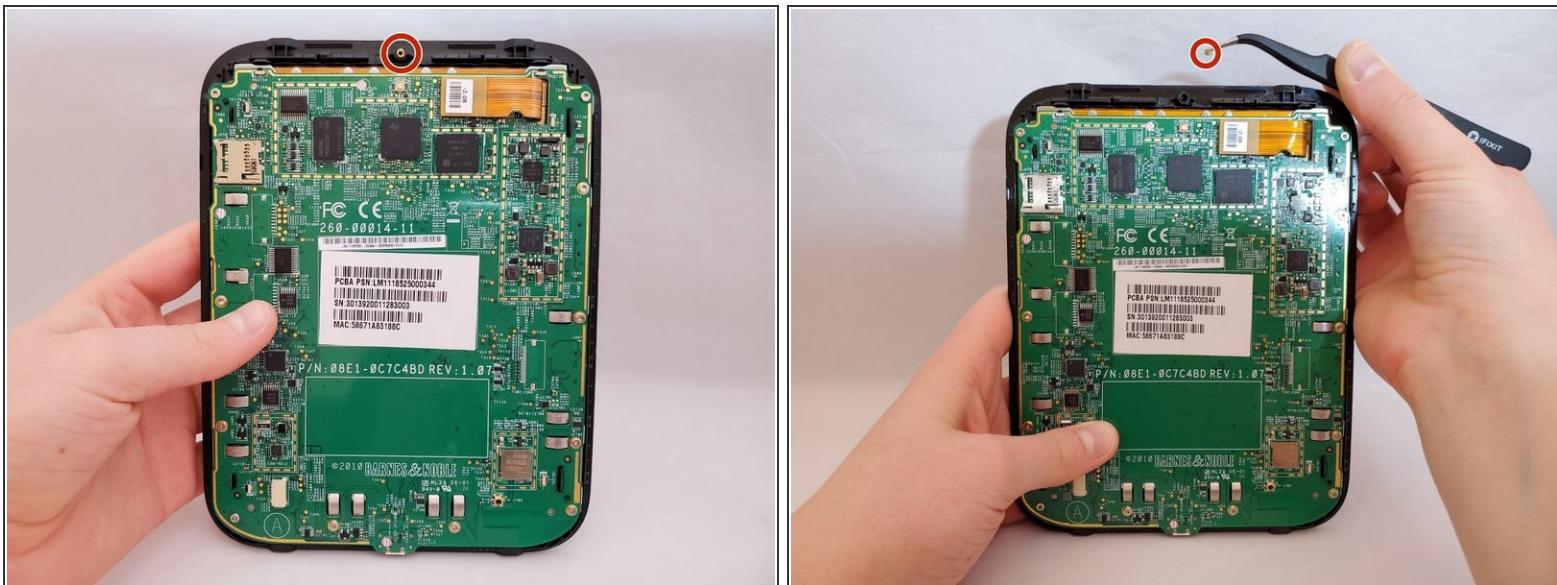
- Wedge an opening tool between the back cover and the front plastic border at the top of the device (near the power button).
 - This will require some force.
- Slide the opening tool along the edges of the device, prying up until you are able to use your fingers to remove the back cover.
 - The back cover snaps as it pops off. This is normal.

Step 5



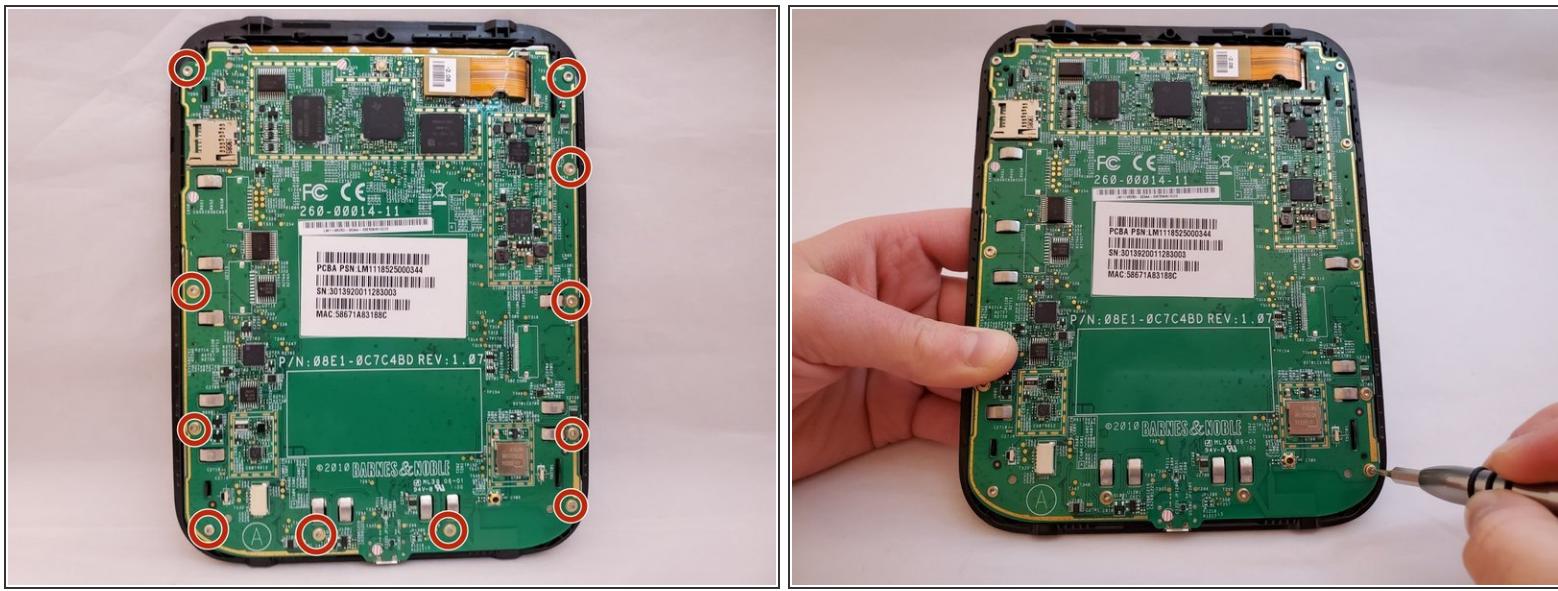
- Use a spudger or your fingers to gently pry the connector out of the white socket.
- The back cover is now fully detached.

Step 6



- Use tweezers to remove the brass-colored threaded fastener from the Nook plastic casing.

Step 7 — Motherboard



⚠ Use an anti-static mat to prevent electric shock from damaging the motherboard and its components. Be careful when using metal tools on your device.

- Using a T5 Torx screwdriver, remove the eleven 3mm screws.

Step 8



- Place the spudger through the loop of the display cable. Lift the tool up, which will unhook the display cable.
- Do not put force on the motherboard with the spudger. This could damage components on the motherboard.
- Using your fingers, lift up the display cable.

Step 9



- Using your fingers, gently lift the motherboard from the display.

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