



# Samsung NP-N145-JP02US Fan Replacement

Fan replacement on a Samsung NP-N145-JP02US

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## INTRODUCTION

This guide will provide instructions on how to fully replace the battery on a Samsung N145 laptop. You will be given steps on how to detach the current fan on your device and attach a new one. You will want to perform this replacement if your current laptop fan is broken/damaged, or if the device begins to overheat.



### TOOLS:

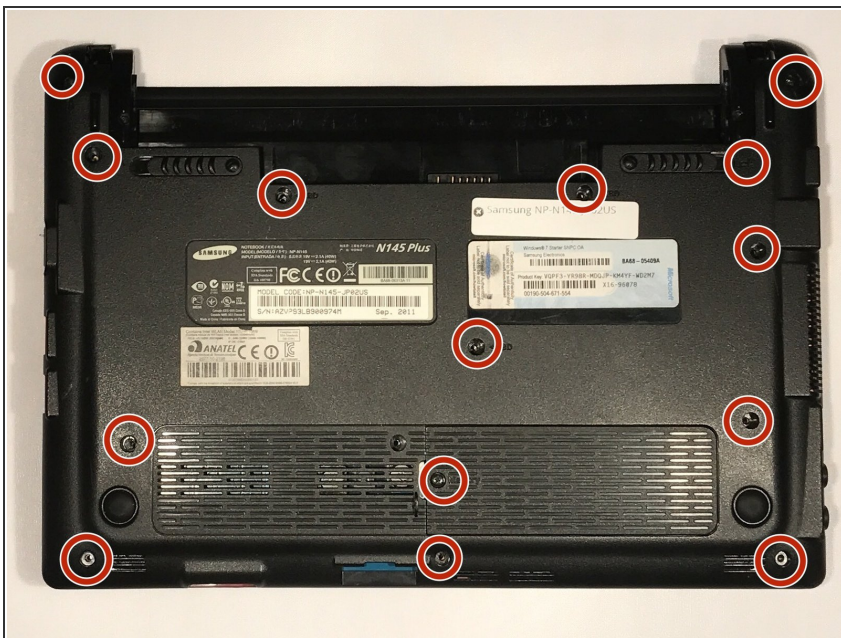
- [iFixit Opening Tools](#) (1)
  - [Phillips #0 Screwdriver](#) (1)
  - [Phillips #1 Screwdriver](#) (1)
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## Step 1 — Fan



- **i** Before starting the replacement, turn off the device sure and disconnect all cords.
- Close the device, lay it face down, and remove the battery.

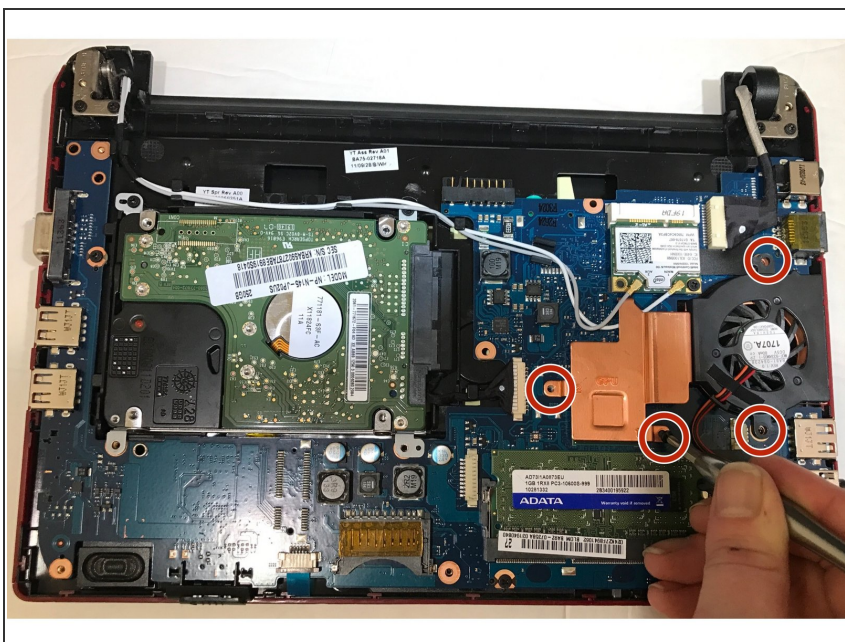
## Step 2



- Remove the back of the device from the main frame by unscrewing the 14 4.5 mm screws using a Phillips #0 screwdriver.
- Once all screws are out, pry open the back cover piece of the device using a plastic opening tool.

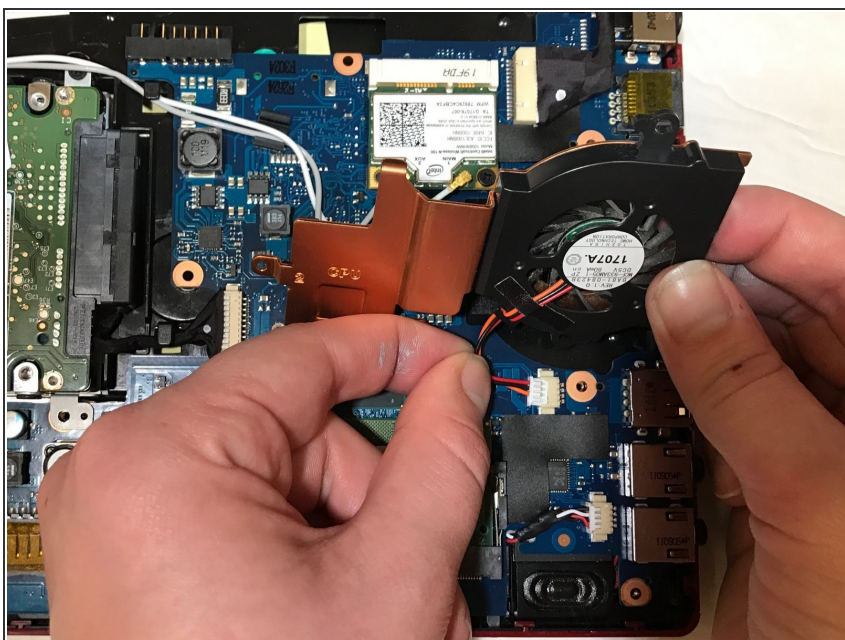


### Step 3



- Remove the four 6.5 mm screws that surround the fan using the PH1 Phillips screwdriver head.

### Step 4



- Manually remove the fan from the device by pulling out the connector.

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