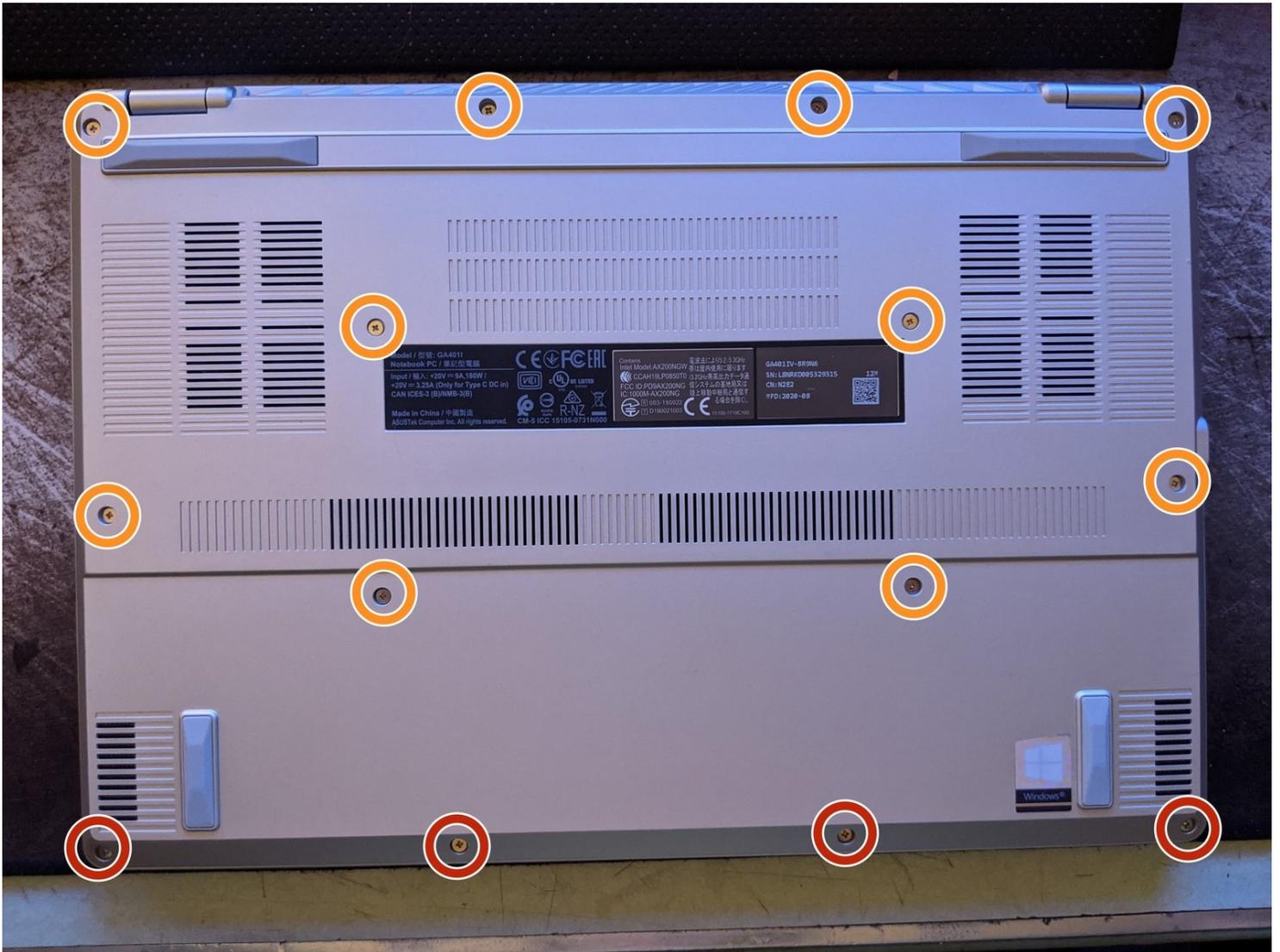




# Asus ROG Zephyrus G14 Thermal Paste Replacement

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## 🔧 TOOLS:

Spudger (1)

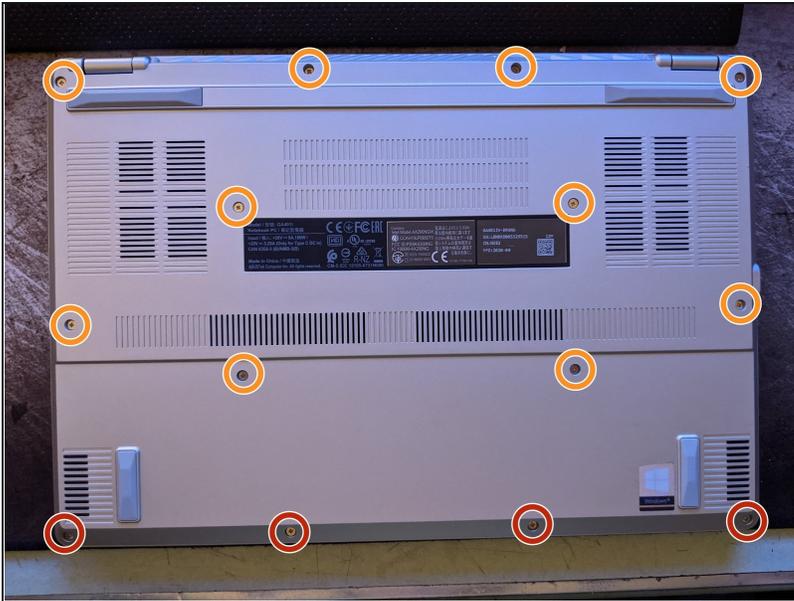
Phillips #1 Screwdriver (1)

iFixit Opening Picks (Set of 6) (1)

## ⚙️ PARTS:

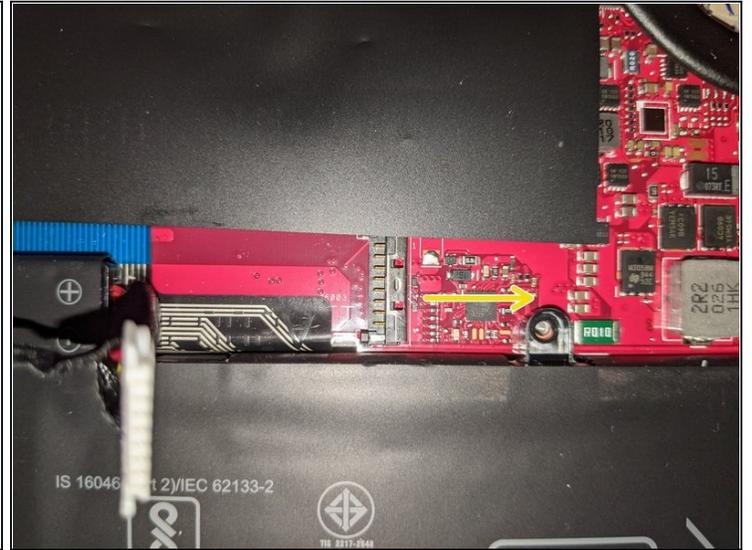
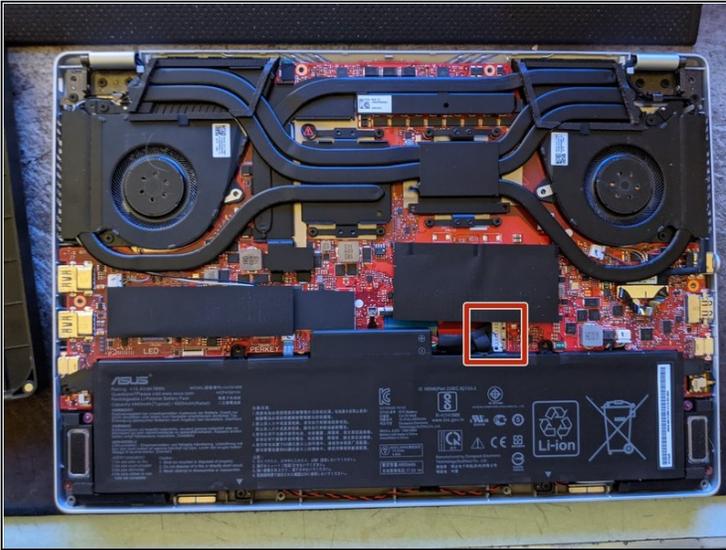
New thermal paste. \*I used NT-H1\* (1)

### Step 1 — Opening the device



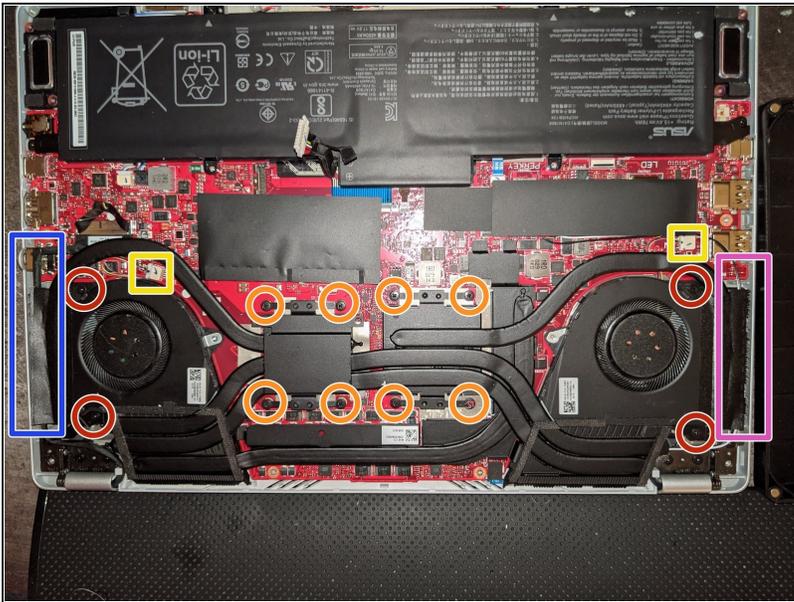
- Start by unscrewing the bottom case. There are two different size screws. One long one short.
- The ones marked in red are the short ones. As for the ones in orange are the long ones.

## Step 2 — Unplugging the Battery



- Using a plastic spudger push back the retaining clasp for the battery plug. It is a sliding motion so push it to the right with the battery closest to you.

### Step 3 — Removing the cooler



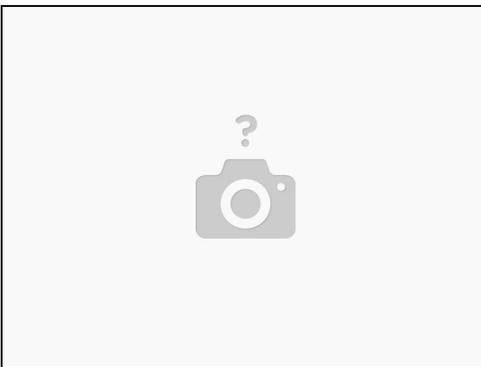
- Marked in red and orange are the screws that hold on the cooler. They are all the same size but I would still keep track of if it was holding on a fan or a block.
- Marked in yellow are the power and signal wires for the fans. Using a plastic spudger slowly walk the male plug out of its socket.
- Using the same spudger's flat side pry around the two dies. The old thermal paste will fight back so take your time.
- Carefully remove the display cable concealed with plastic on the leftmost side of the board - marked in blue.
- Remove the wifi coax cables (black and white) concealed with plastic to the rightmost side of the board - marked in pink.
- Only then the cooling unit can be freely removed.

## Step 4 — Cleaning and applying the paste



- You can see where the thermal paste was so make sure to apply it on the same surfaces.
- I have marked two small parts that are easy to miss.
- I used 70% rubbing alcohol, tissues, and the flat end of a spudger to remove the old paste.
- I used a plastic spudger to spread the paste on the chips to make sure that it will make full contact.

## Step 5 — Replacing the cooler



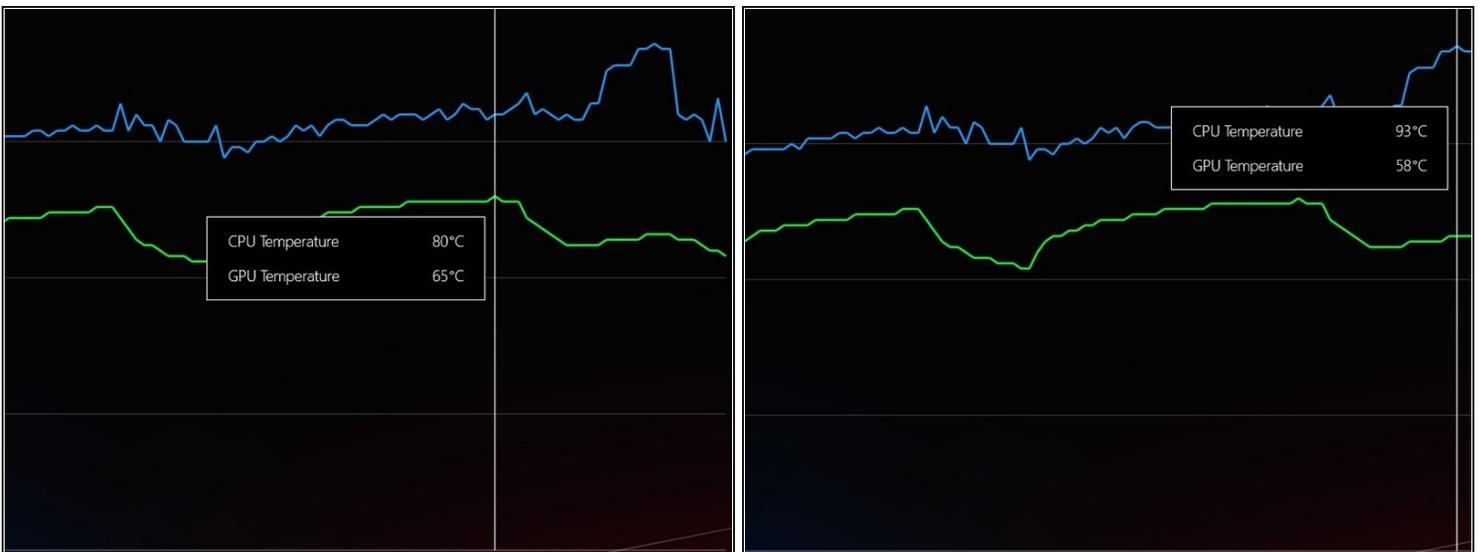
- Replace the cooler by reversing the steps in step 3.

## Step 6 — The bottom case



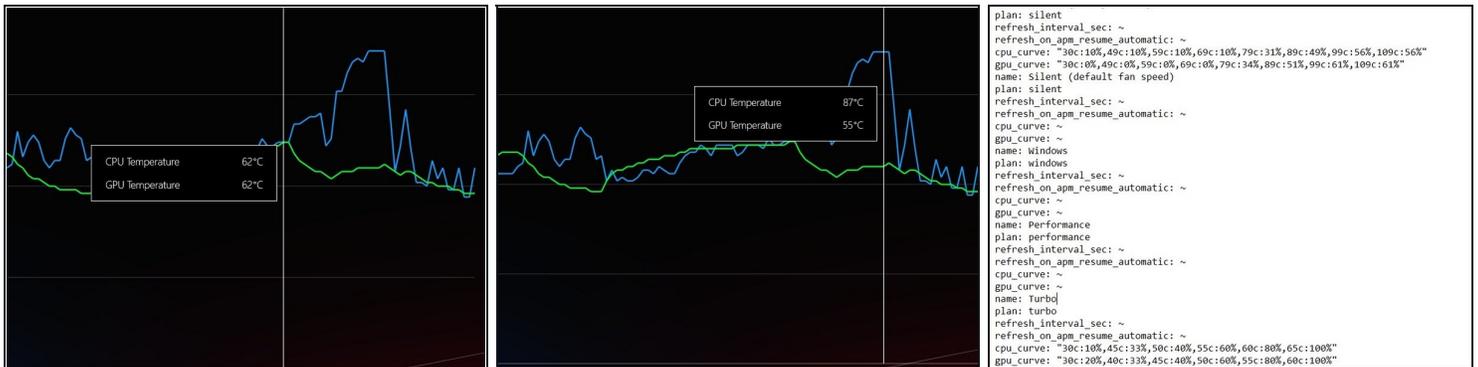
- Button up the device by placing and screwing on the bottom case.
- The screws marked in orange are long. The ones marked in red are short.

## Step 7 — Temps before



- Before new paste.

## Step 8 — The results



- After new Thermal paste.
- For the testing, I used 3D mark time spy without the demo. As well as a custom fan curve. The profile was set to turbo for both runs.

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