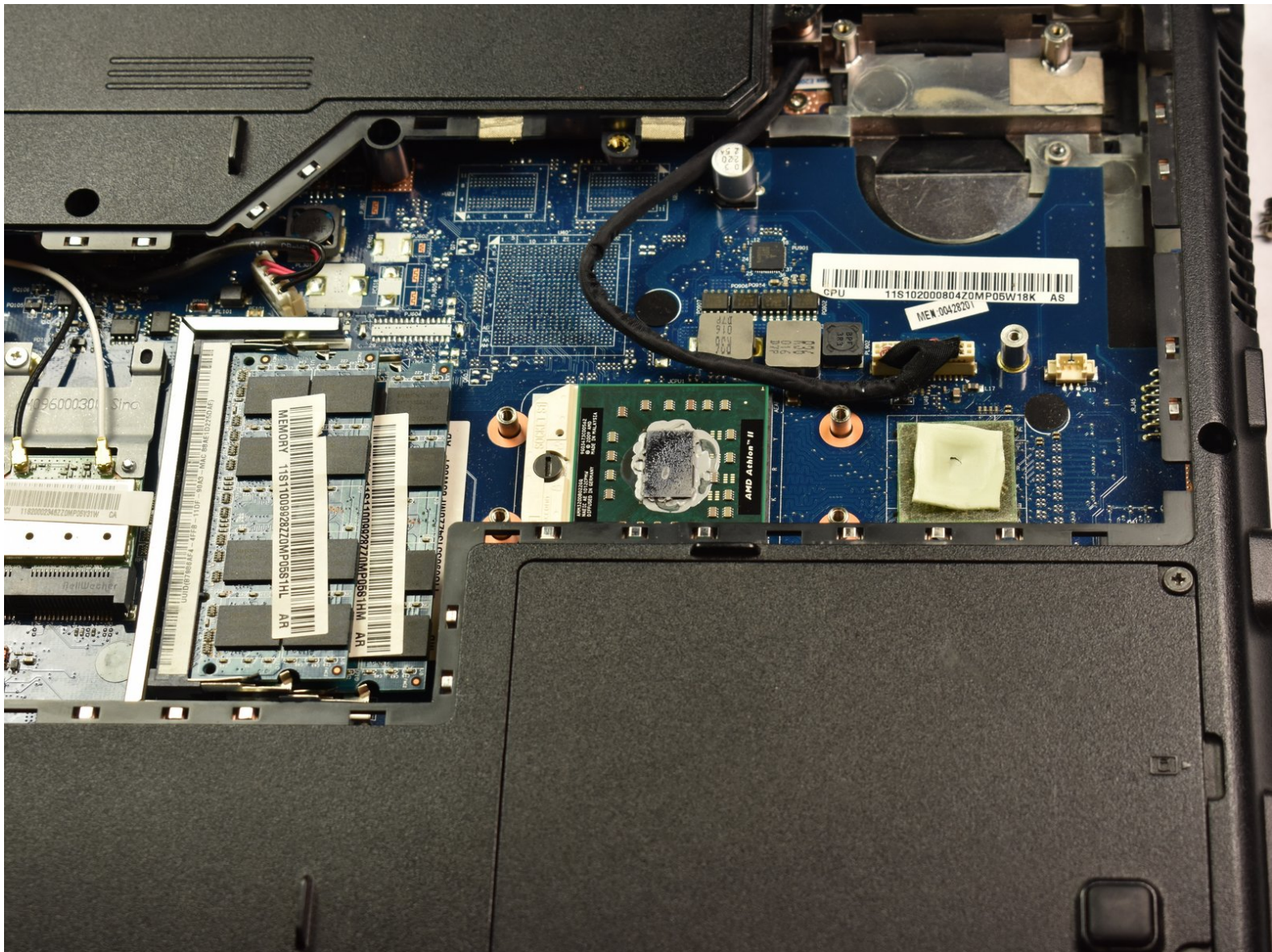




Lenovo Essential G555-0873 CPU Replacement

This guide will detail how to remove and replace the CPU (Core Processing Unit).

Written By: Michael Elledge



INTRODUCTION

Use this guide to replace the CPU in the Lenovo Essential G555-0873. This requires removing the back panel, removing the fan, and removing the heat sink. The only tool you need to complete these steps is the screwdriver listed below.



TOOLS:

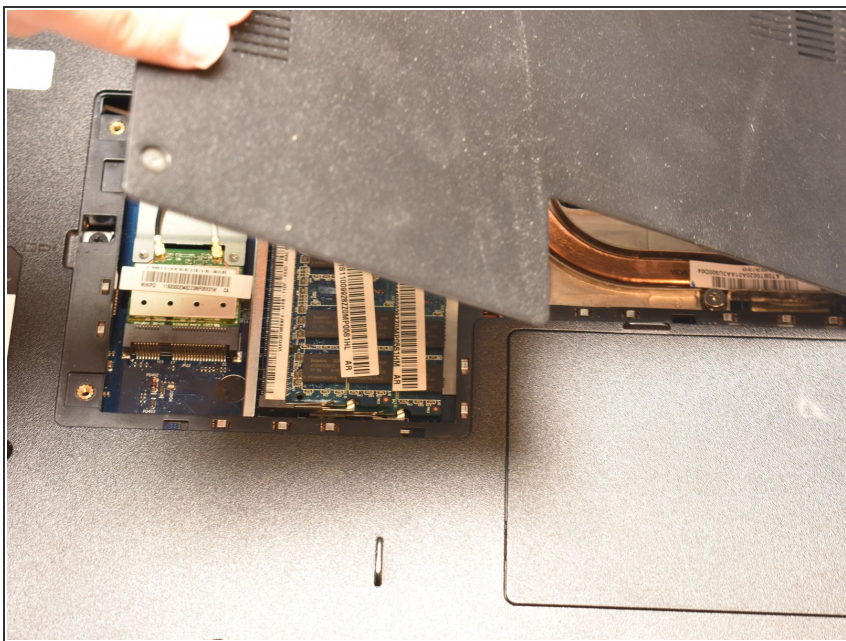
- [Phillips #0 Screwdriver](#) (1)
 - [Flathead Screwdriver](#) (1)
 - [Microfiber Cleaning Cloths](#) (1)
-

Step 1 — Bottom Panel



- Unscrew the two 5.1 mm screws that secure the bottom cover.
- ⓘ Note that the screws will not come all the way out of the sockets.

Step 2



- Lift from the notch until the back panel comes up.

Step 3 — Fan



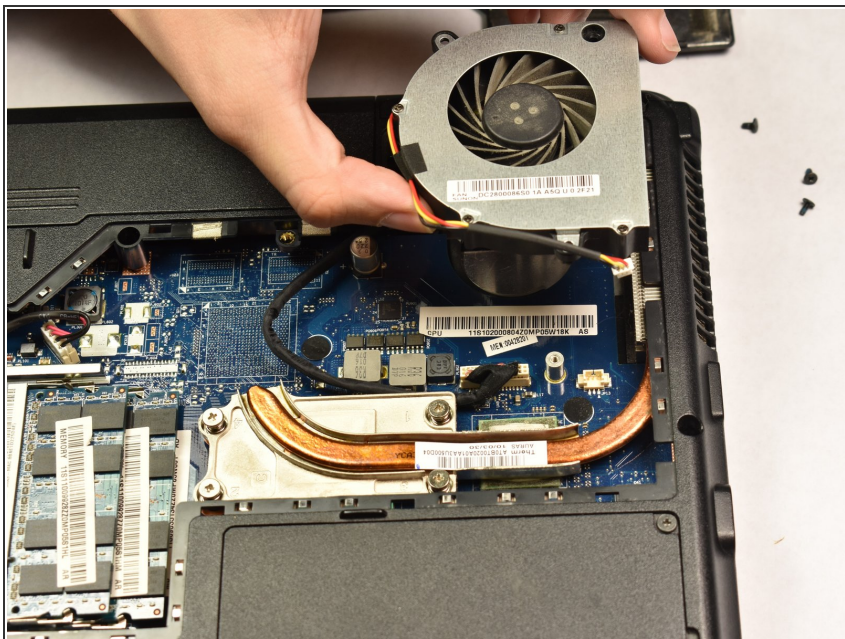
- Disconnect the fan from the motherboard by pulling the plug shown in the picture.

Step 4



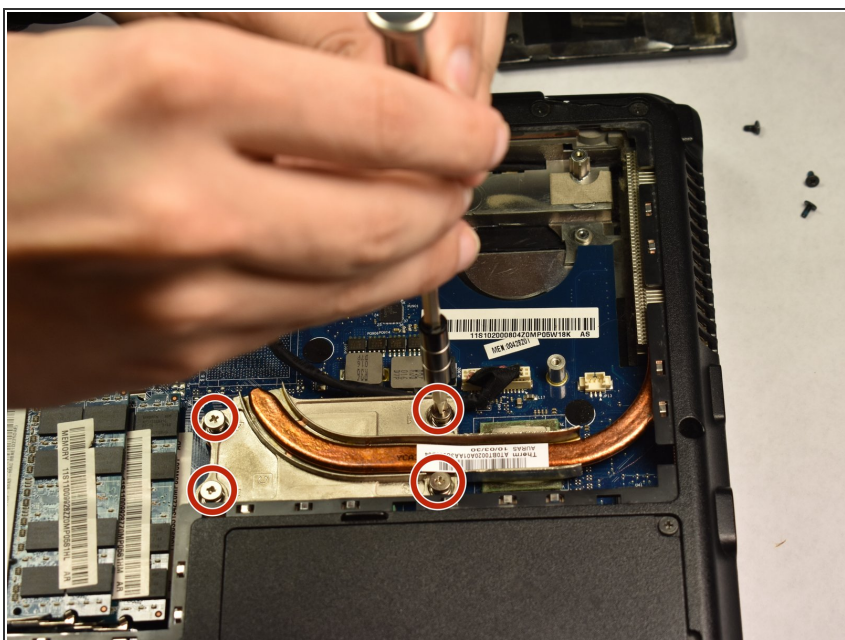
- Unscrew the three 4.6mm screws shown in the picture.

Step 5



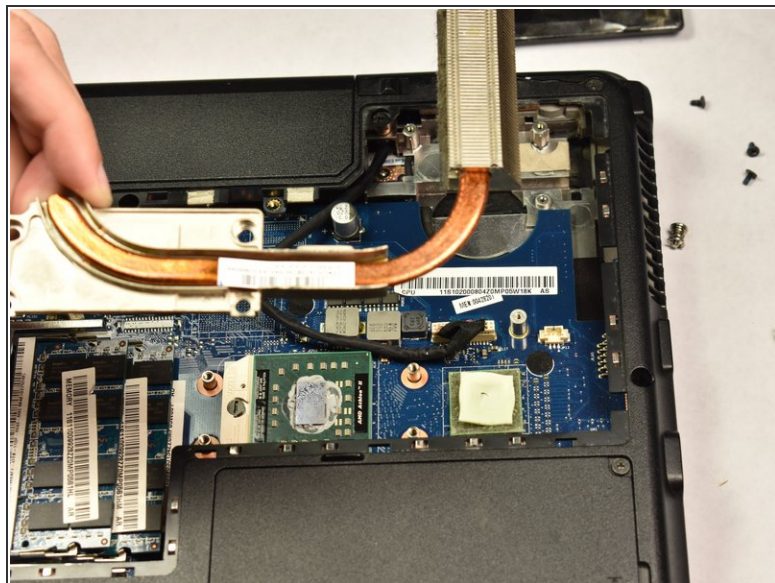
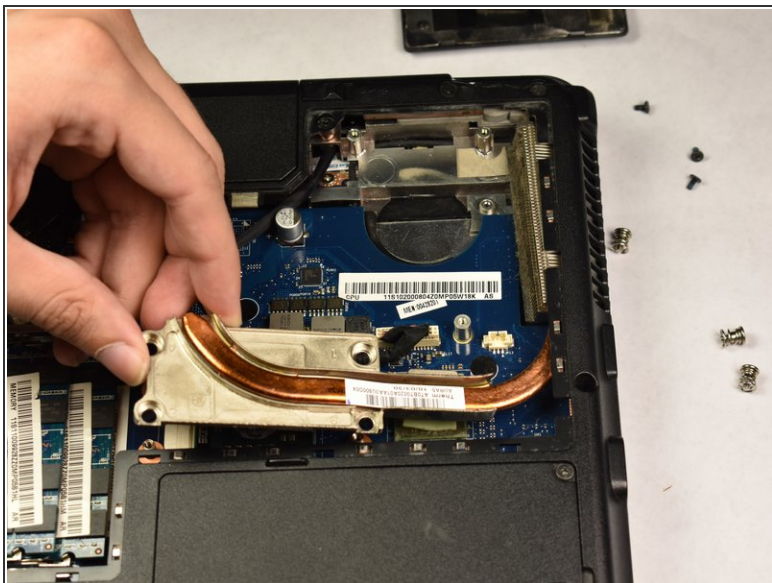
- Gently lift the fan straight up until it is lifted out of the case.

Step 6 — Heat Sink



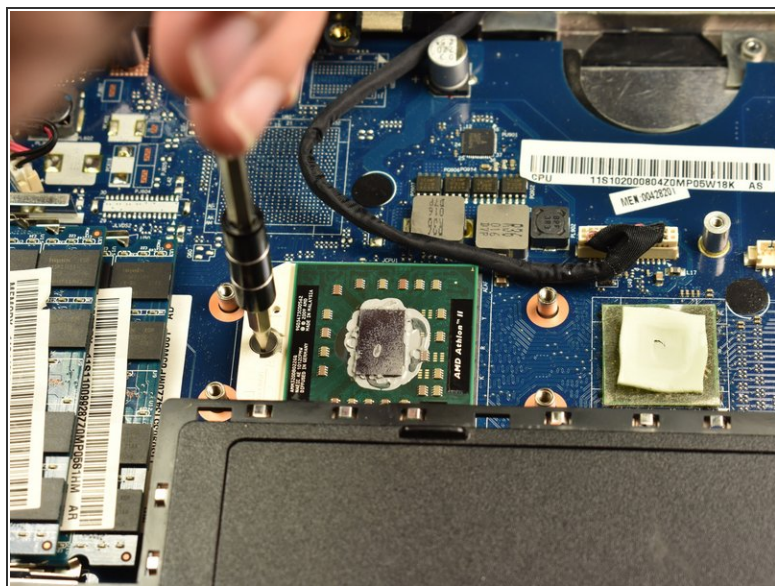
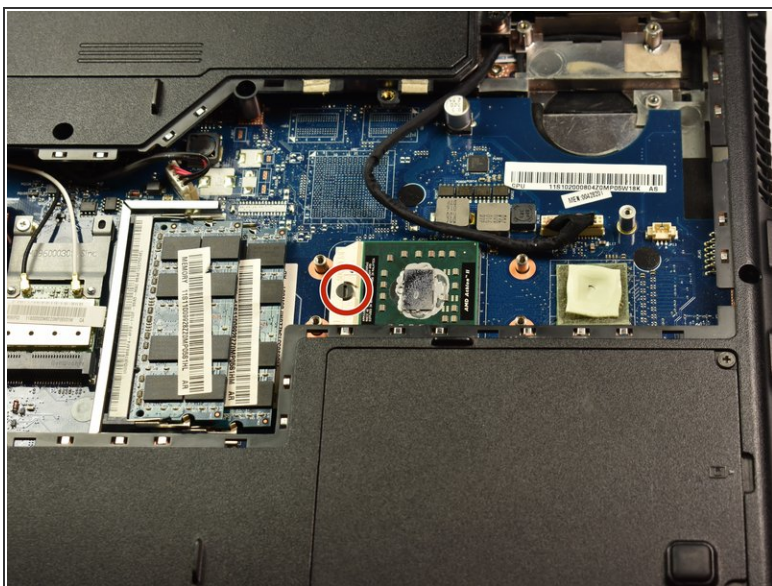
- Unscrew the four 7.3 mm screws shown in the picture.
- ⓘ Note that springs are attached to the screws. Do not remove the springs.

Step 7



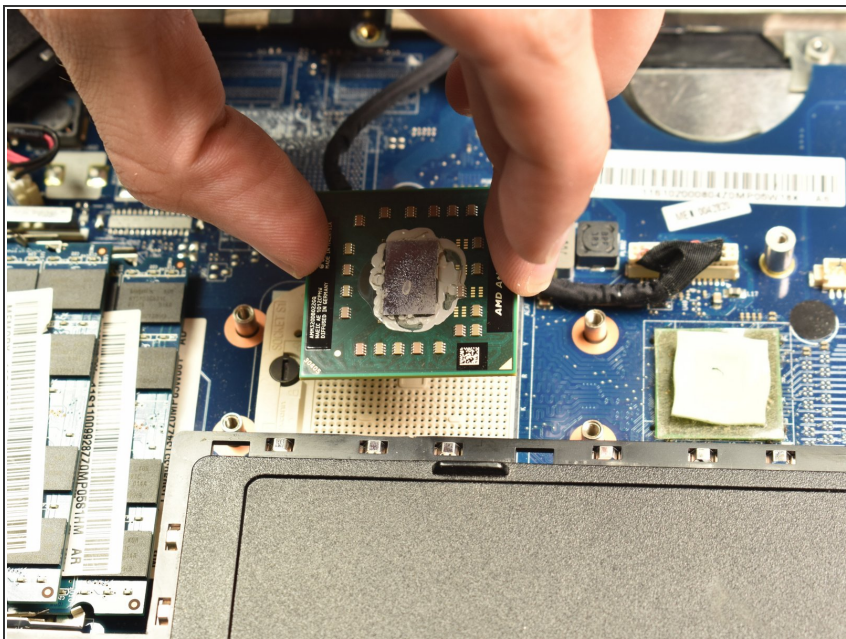
- Pull the heat sink assembly out of the laptop.

Step 8 — CPU



- Use a flat-head screwdriver on the hinge shown, and turn counter-clockwise to the unlock position

Step 9



- Remove the CPU
- ☑ There will be old thermal paste on the CPU and heat sink which should be wiped off using microfiber cloth.
- ☑ Before putting the heat sink back in, a small droplet of thermal paste should be applied onto the center of the CPU.

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