



# Dell Inspiron 1545 Computer Processing Unit Replacement

This guide will cover the replacement of the Computer Processing Unit (CPU)

Written By: Nathan Lemay



# INTRODUCTION

This guide will be utilized mainly if your CPU has gone bad and your laptop is essentially nonfunctional.



## TOOLS:

- [Phillips #1 Screwdriver](#) (1)
- [Flathead Screwdriver](#) (1)



## PARTS:

- [Dell Inspiron 1545 \(PP41L\) CPU](#) (1)

## Step 1 — Battery



- ✦ Before attempting to remove the battery ensure that the laptop is disconnected from all power sources and turned off.
- Turn the laptop over to its back.

## Step 2



- Slide the release latch while simultaneously pulling backwards on the battery.



## Step 3



- Slide the battery out of the battery bay.

## Step 4 — Base Cover



- Unscrew the four screws (3mm Phillips #1) that hold the base cover in place.
- ⓘ The screws are connected to the base cover by a washer and do not remove from the base cover.

## Step 5



- Carefully lift the base cover vertically away from the laptop.

## Step 6 — CPU Heat Sink



- Loosen the 5 screws (4mm, Phillips #1) that secure the CPU Heat Sink to the motherboard.
- ⓘ These screws are held in place by a washer so you should not be able to completely remove the screws.



## Step 7



- Pull up on the Heat Sink unit to remove it.


## Step 8 — Computer Processing Unit



- Using a flathead screwdriver, rotate the locking mechanism counterclockwise to the unlocked position.

## Step 9



 The CPU is very fragile and has thin pins.

- Remove the CPU by pulling straight upward and away from the laptop.

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