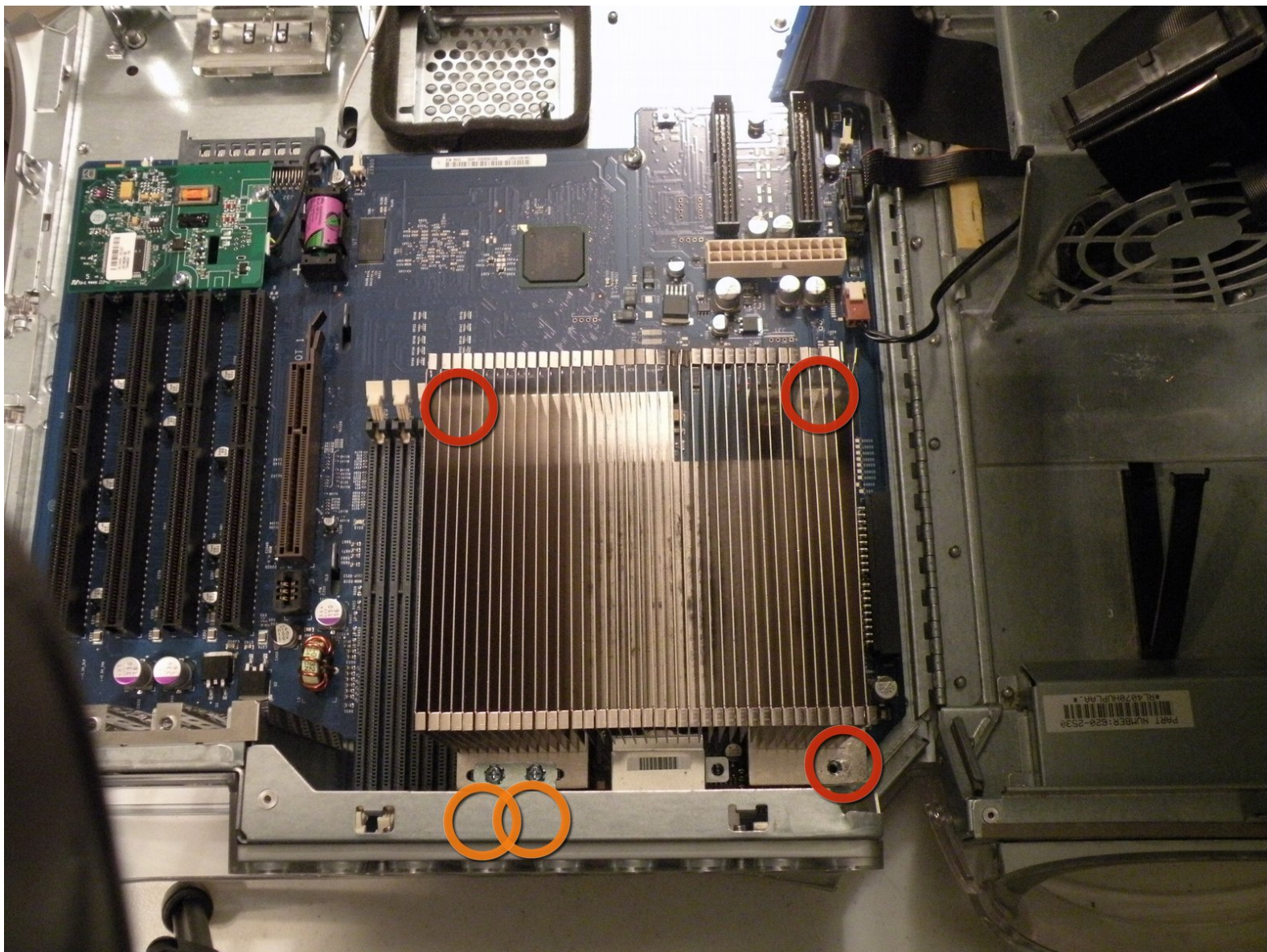




Power Mac G4 MDD CPU Heatsink Replacement

Written By: Chris Green



INTRODUCTION

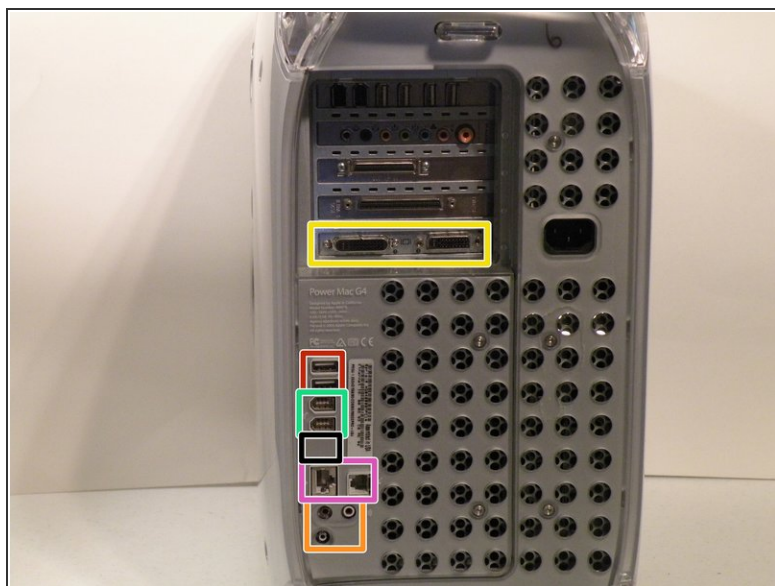
The Power Mac G4 MDD had various heatsinks based of the processor, it had a pure copper heatsink for the dual 1.42Ghz model, and a thick finned heatsink for earlier models, and the later models had a thin aluminum finned heatsink.



TOOLS:

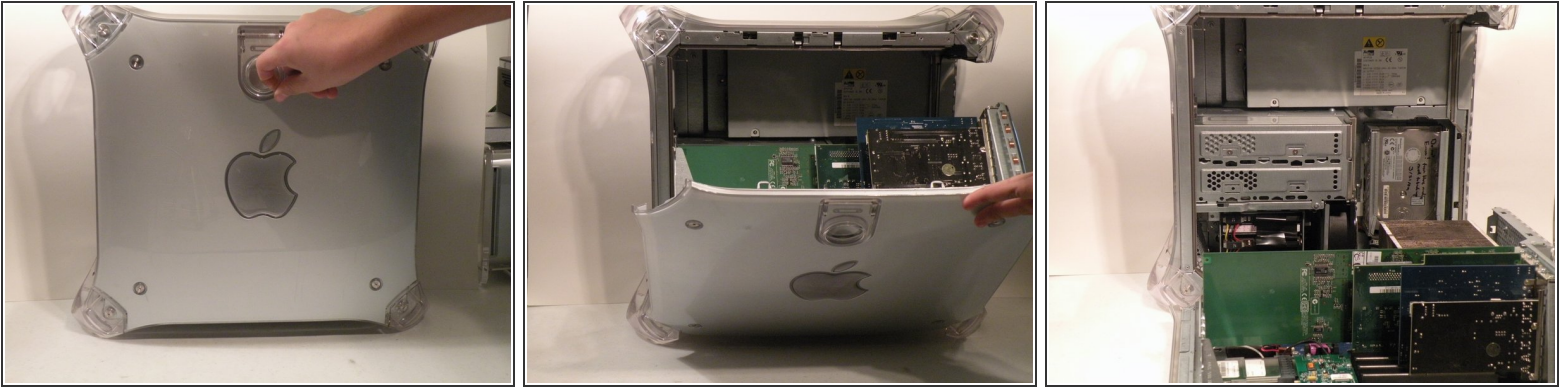
- [Phillips #0 Screwdriver](#) (1)
-

Step 1 — Case



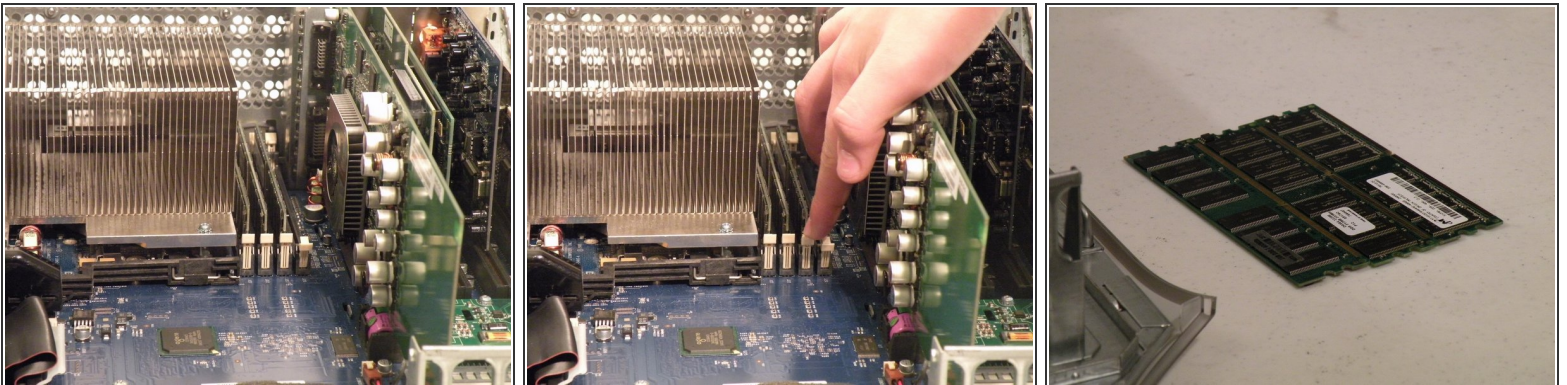
- The Power Mac G4 MDD: the last, and the fastest G4-based Mac. This computer boasted up to a Dual 1.42GHz PowerPC G4 CPU (though I have a single 1.25GHz).
- Two USB 1.1 Ports
- Assorted Audio
- Video (ADC & DVI)
- Networking (RJ-45 Ethernet/56k Modem)
- Some later model MDD's (such as the dual 1.42GHz) Have a FireWire 800 Port Here:

Step 2



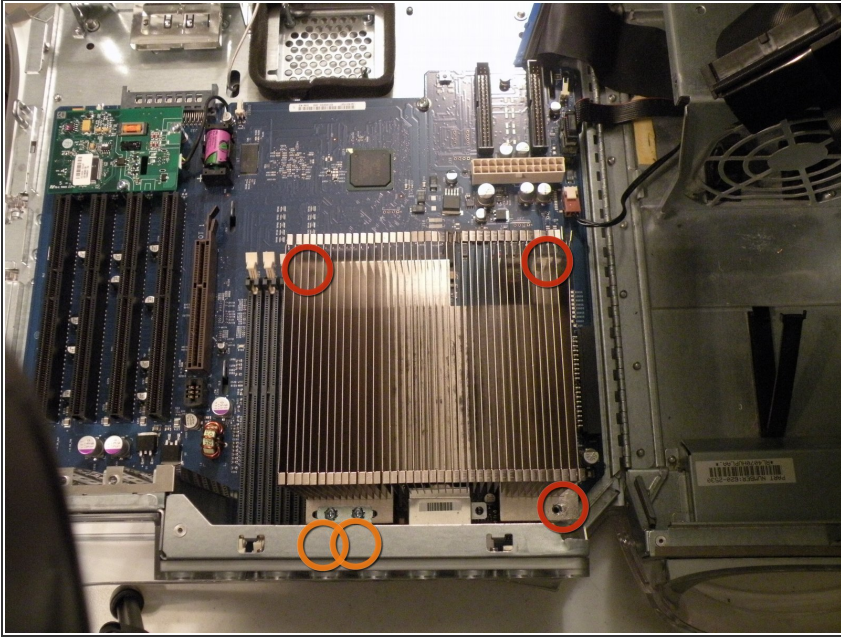
- Unplug the computer.
- Unplug the power supply and all external connections from the computer.
- Pull on the side lever and lower the side of the case.

Step 3 — RAM



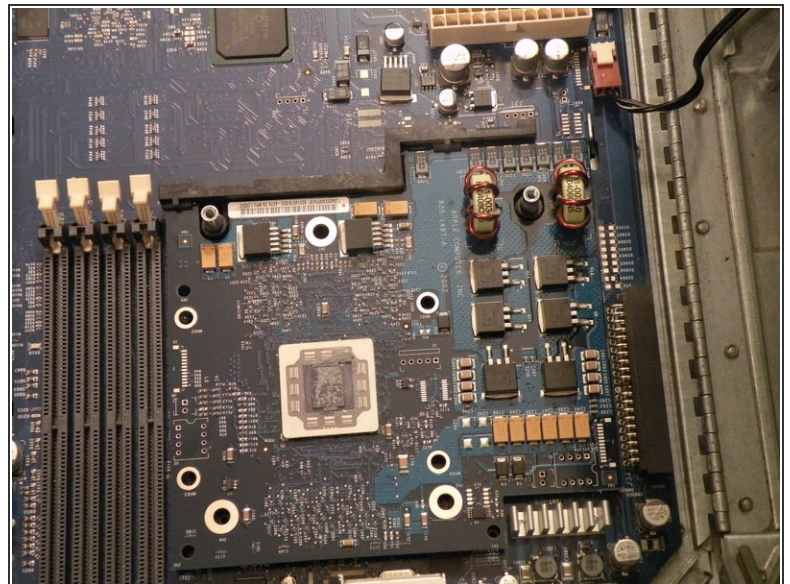
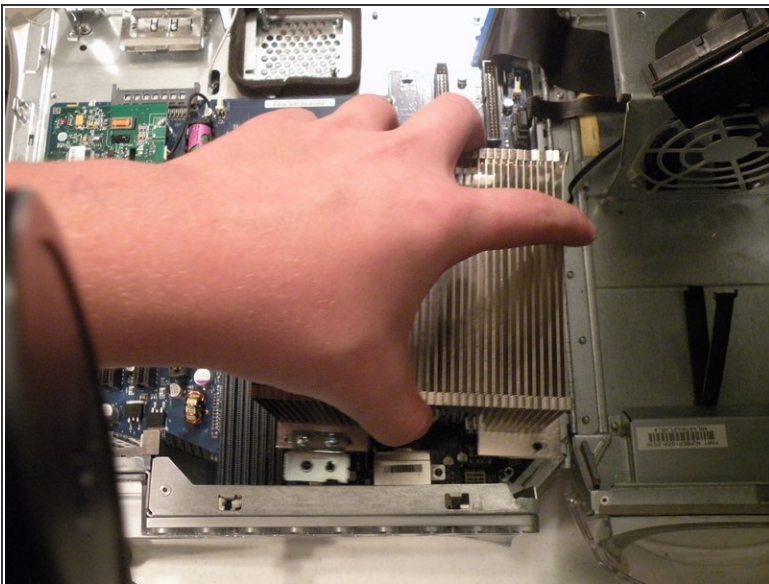
- The ram is between the graphics card, and the CPU, and removal is simple. Push the tabs down on both sides, this will free the ram, then lift it out.
- The MDD uses a maximum of 2GB PC2700 DDR RAM (512MB X4) and has 4 slots.

Step 4 — CPU Heatsink



- Now, remove these three Phillips screws:
- As there are two Phillips screws well, there are two that you can see in the photo, but you want to remove the screws that are behind them.

Step 5



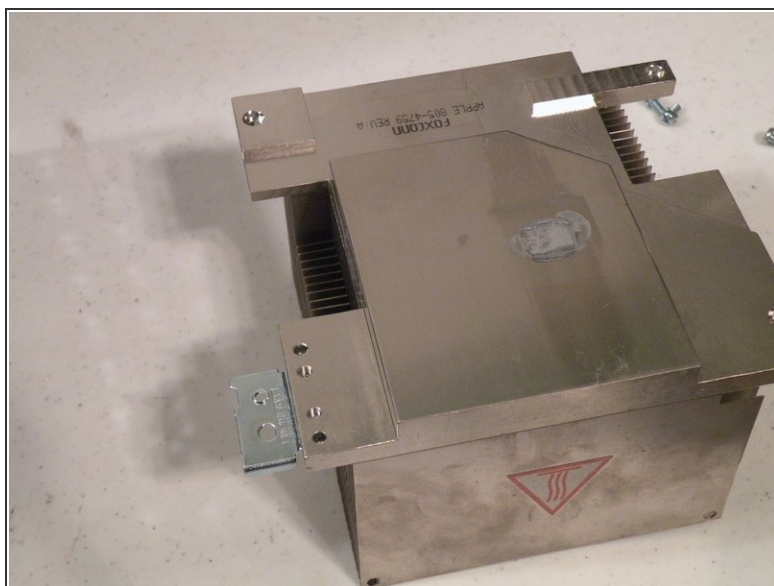
- Now, lift the heatsink up off the computer, it is pretty heavy, because it's a giant block of aluminum.

⚠ Be careful when holding it, the edges can be sharp, making it likely to get cut if you hold it wrong!

- As you may be able to tell, i have applied a replacement coat of Arctic Silver 5 to keep my MDD cooler than the stock paste, it really does a great job too!

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Step 6



- The incredibly large heatsink, this thing is 5 Lbs of solid aluminum. Just like every other part in this, and many other Macs, the heatsink is made by: ...you guessed it, Foxconn.
- Before reinstalling, ensure that you clean the old thermal paste off of the heatsink with alcohol.

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