



Disassembling Power Mac G5 Motherboard

This is a step by step guide.

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INTRODUCTION

I will teach you how to replace the motherboard

TOOLS:

- [Phillips #1 Screwdriver](#) (1)
 - [T10 Torx Screwdriver](#) (1)
 - [T15 Torx Screwdriver](#) (1)
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Step 1 — Motherboard



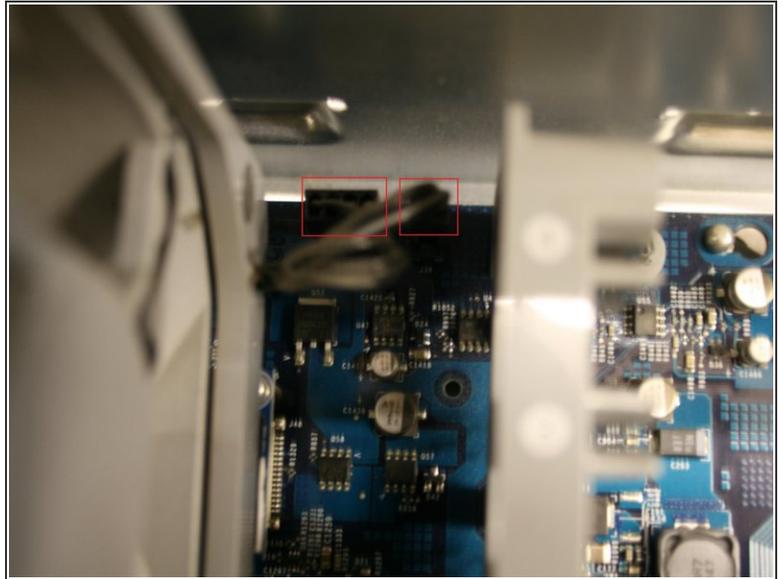
- Place your g5 on a suitable surface
- Take out the power lead
- Prepare two screw drivers; T10 and Phillips (T15 may be used in some instances)
- Open the case by pulling the lock
- Take out the plastic cover

Step 2



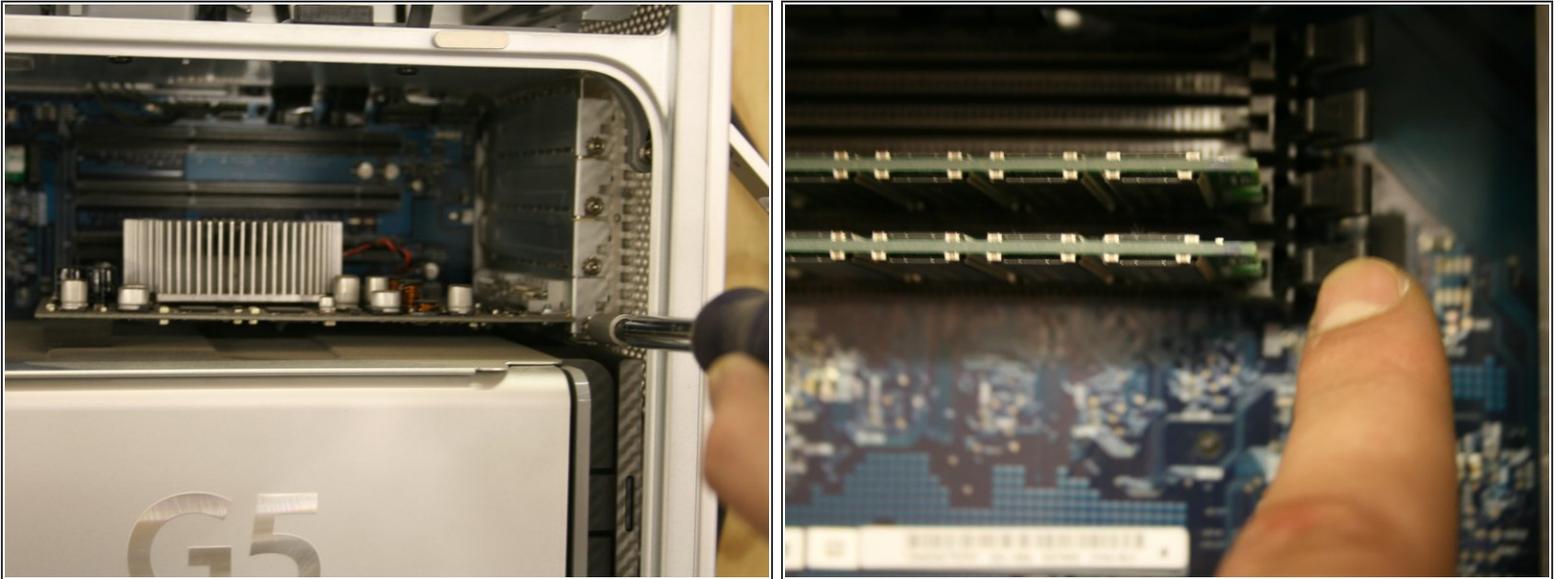
- Remove the major fan located on the left side of the processor

Step 3



- Locate a small fan containing a speaker on the upper left corner of the motherboard.
- Pull it carefully
- There are two connections, which are needed to be disconnected (second image)

Step 4



- Remove the graphics card
- Remove RAM

Step 5



- Step 5 is about removing the cover which protects the processor from any outside damage
- The cover is attached to four pins. In order to remove the cover, it has to be pulled towards the left.
- **CAUTION:** There may be a plastic (rubber) pin (see Image 2), which was put in place for guarantee purposes, therefore before sliding the panel, you should locate and remove this pin
- It can also be pushed from the inside (by lifting the bottom of the cover first) (see image 3)

Step 6



- The next two steps will demonstrate how to remove the processor
- It should look like this (image 1) when the cover has been removed.
- Remove 8 screws shown on Image 2 and 3 (use T10 and T15 screw drivers)
- The processor should now come out

Step 7



- Disconnect the cable connected to the processor
- Locate the side fan (right wall), push the pins and pull the fan
- Disconnect the fan cable (red square) and the rest of yellows if possible

Step 8



- Unscrew two phillips screws located on the bottom power supply cover
- Remove the bottom screws which held the processor in place (four in total). This will help to take the cover out without damaging the motherboard

Step 9



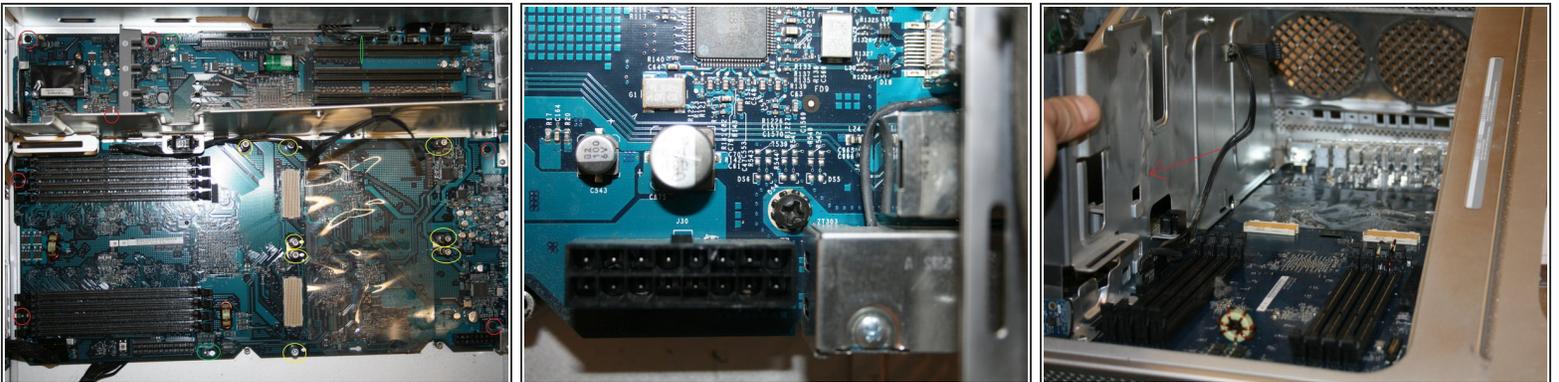
- The cover should now come out. It will require some bending and pay attention to the motherboard while performing this task.
- Remove the connectors (as shown on image 2 and 3)

Step 10



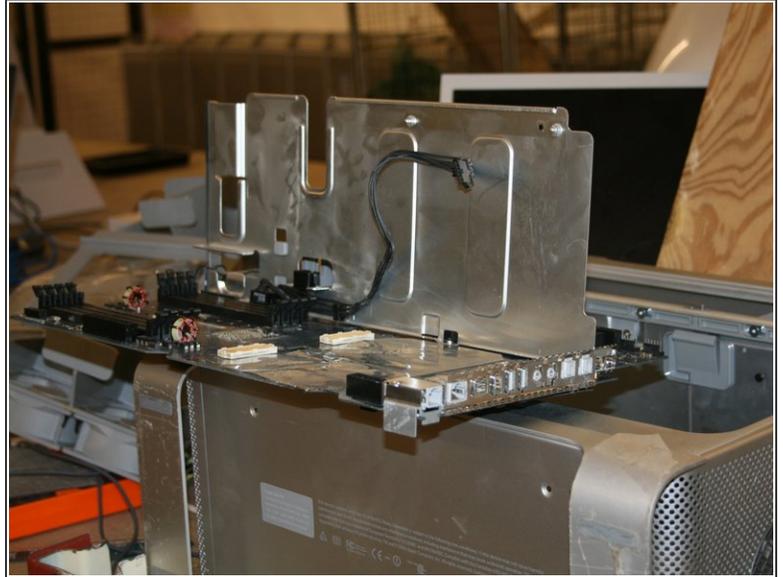
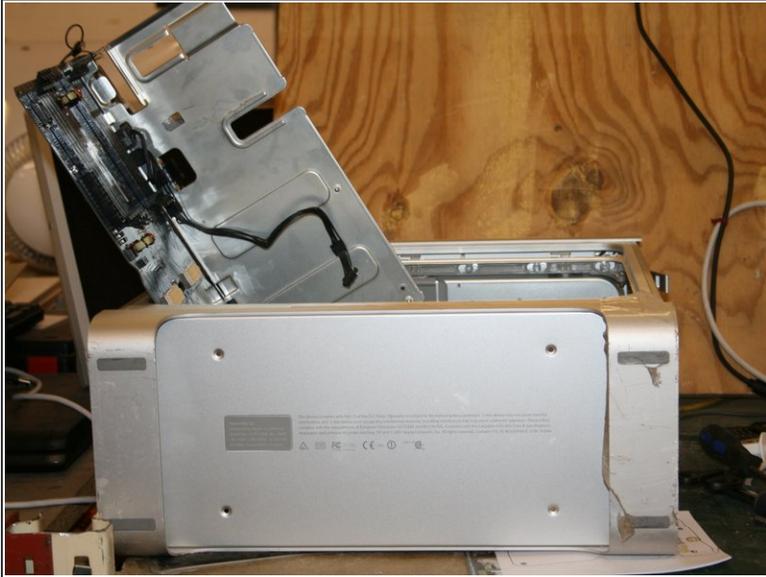
- Locate four phillips screws on the bottom of the g5
- Remove them and pull the Power Supply.
- Disconnect the connector from the power supply (image 3, hdd lead)

Step 11



- Remove Red and Yellow marked screws
- The Red are small black screws shown on the second image
- The processor holding screws are marked as yellow and have to be removed
- Green- pins which hold the motherboard in place
- In order to remove the motherboard, pull it (as shown on the third image) It should now slide on the pins which are marked as green.

Step 12



- The motherboard should now come out freely
- Hope you enjoyed it, Michal Scrumpymacs

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