



iMac G3 Model M4984 RAM Replacement

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INTRODUCTION

The iMac G3 was Apple's brand new all-in-one Macintosh. It had five different colors of translucent plastic that it was available in: Blueberry, Lime, Strawberry, Grape, and Tangerine, these were known as the "5 Flavors." The iMac "i" standing for internet, was very capable, it had built in LAN, IR(this was removed in later models), and a 233Mhz, 266Mhz, or 333Mhz PowerPC 750 (G3) CPU, and a built in 15" CRT screen. This computer paved the way for modern Macs.

The iMac G3 M4984 uses PC100 laptop-style memory. Some models support a maximum of 256MB while others support a maximum of 512MB, this is entirely dependent on the firmware of the machine.

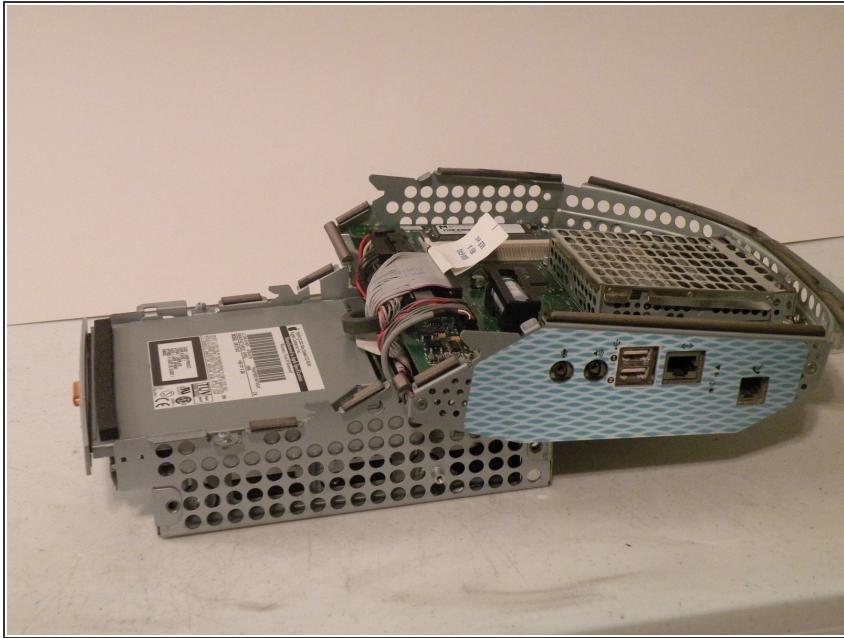
TOOLS:

- Flathead Screwdriver (1)
- Phillips #0 Screwdriver (1)

PARTS:

- PC133 256 MB RAM Chip (1)

Step 1 — Logic Board



- The iMac G3. This was a great computer for the time, and had plenty of features.

Step 2



- Start by flipping the iMac upside-down. It may help to lay it on a towel, so you don't damage the screen, or scratch the face.

Step 3



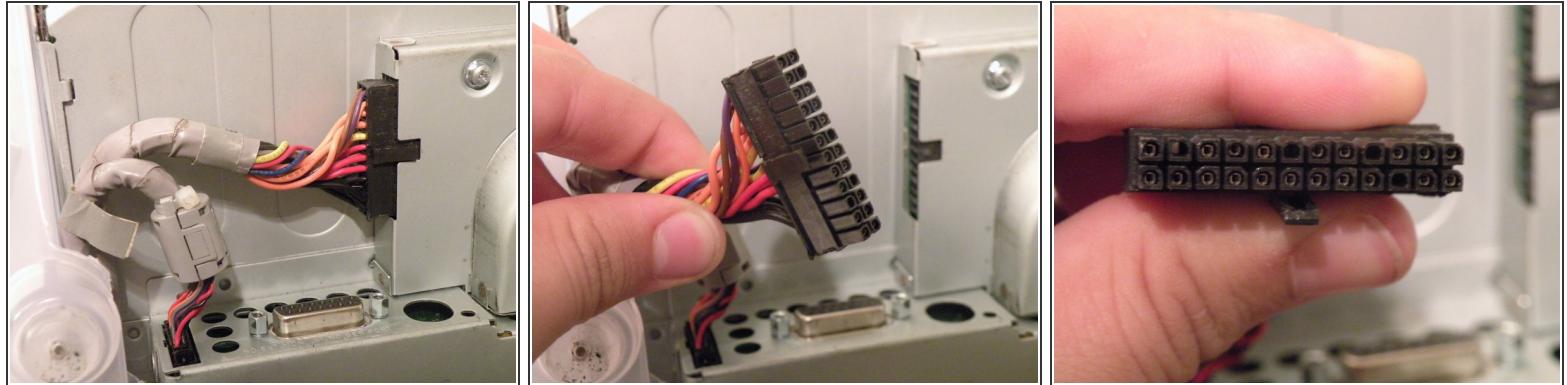
- Remove this Phillips screw.
- Using a flathead screwdriver, work your way around the bottom cover, until it comes off.
- Then, lift the bottom cover up and out, and set it aside.

Step 4



- Now, remove the DB-15 Video connector from the logic board.
- It may be helpful to use a Phillips screwdriver to remove the thumbscrews.

Step 5



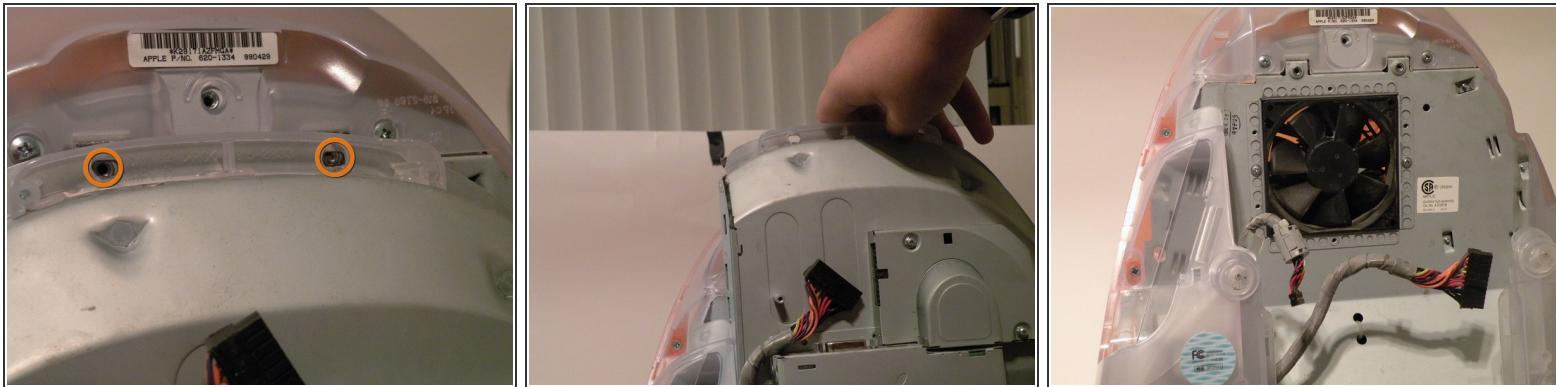
- Remove the power cable from the logic board assembly.

Step 6



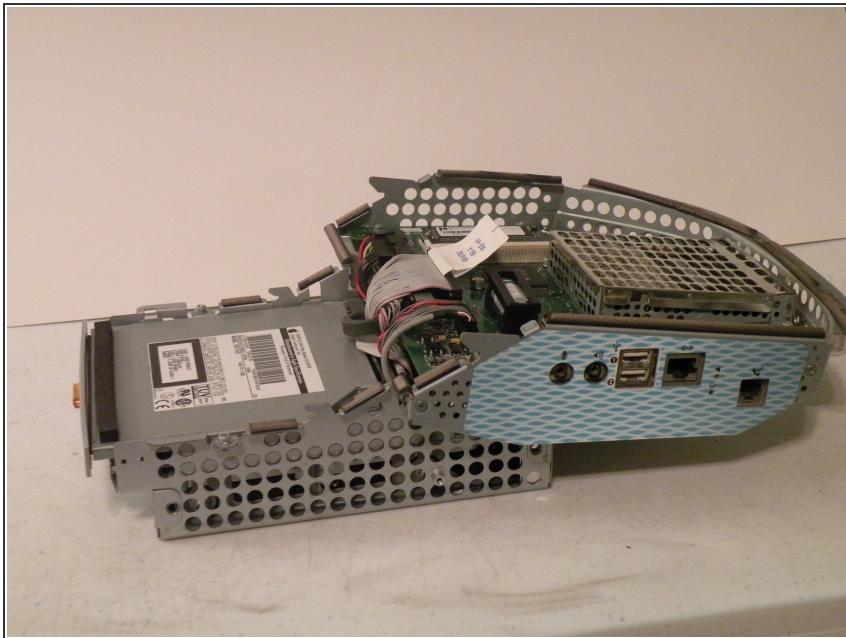
- Remove the front panel connector.

Step 7



- Now, remove these Phillips screws.
- Now, grab the logic board assembly by the piece of plastic, and lift it out.

Step 8



- The logic board assembly. This is the heart of the computer, it contains the motherboard, CPU, RAM, V-RAM, PRAM battery, the hard drive, and the optical drive.

Step 9 — RAM



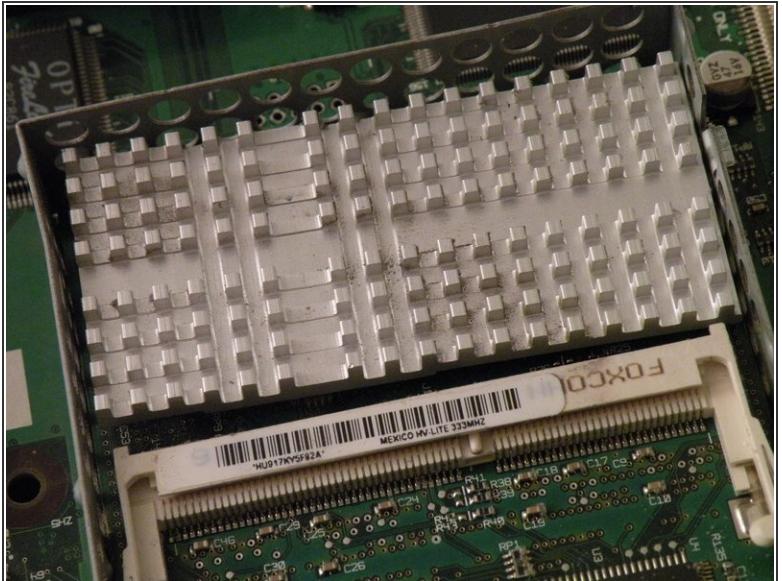
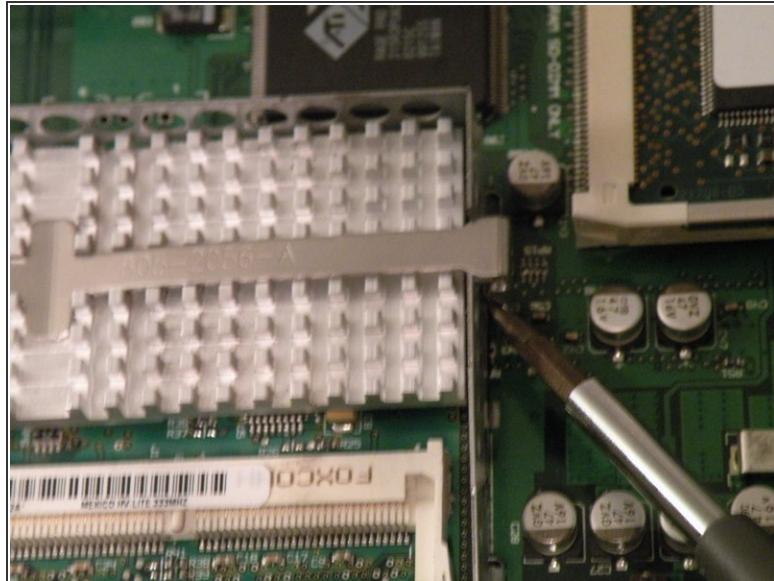
- Now, it's time to remove the RAM.

Step 10



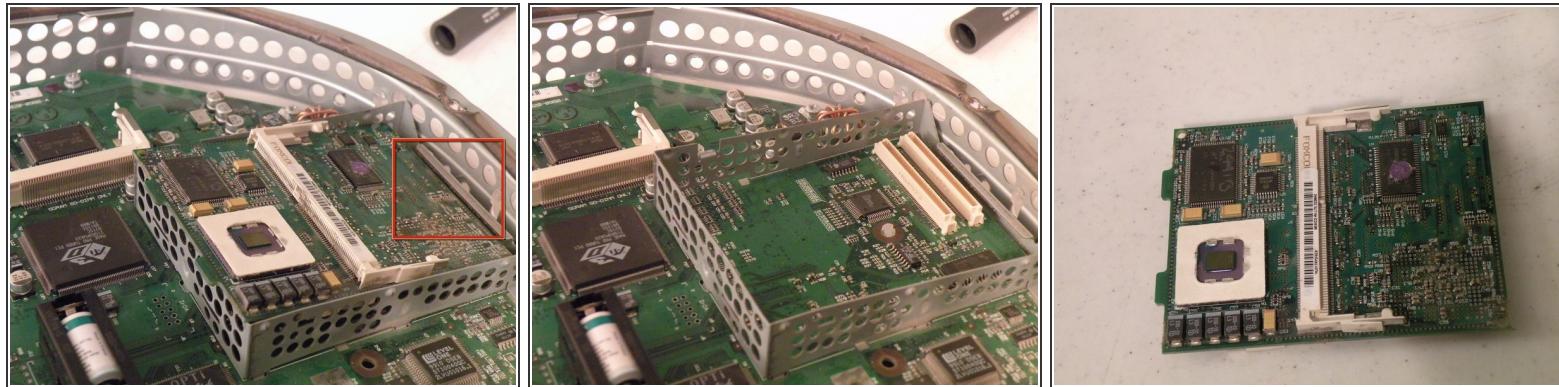
- Remove the CPU shield, this will reveal the "top slot". This is the user-serviceable RAM slot, though there is a second slot of RAM under the CPU card.
- The iMac uses PC100 Laptop Ram, and according to Apple, it supports up to 256MB RAM (2X128MB) but unofficially. Some later models can support 512MB (2X256MB).
- Push the tabs out, and the RAM should pop up, then pull the ram out.

Step 11



- RAM (bottom slot).
- Remove the CPU Heatsink.
- Use a flathead screwdriver. Remove the heatsink clip, it will pop off, and may get lost if you don't keep track of it.
- Remove the heatsink revealing the CPU, then lift the CPU card up, and it should come free with a little tug.

Step 12



- Removing the CPU Card:
- Lift the card out by this end!

Step 13



- Now, flip the card over.
- This will reveal another stick of laptop PC66.
- This is most likely a 32MB Stick, because the iMac shipped standard with only 32MB of RAM.
- Now, remove it by pushing the tabs, it should pop up, and you can set it aside.

Step 14



- The RAM.
- The iMac supports two pieces of PC66 laptop RAM, though it can use PC100 and PC133 (laptop size of course).

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