



iMac G3 Model M4984 Video Ram Replacement

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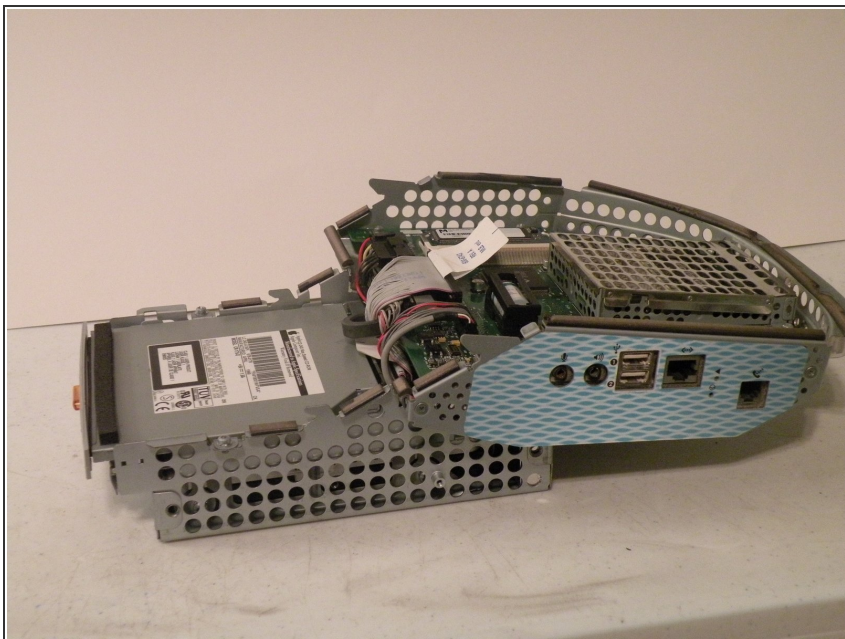
INTRODUCTION

The iMac G3 had onboard video which usually means no upgrade-ability. The iMac developers found a way to allow video upgrade-ability (sort of); they built 2MB on to the logic board to power the ATI 3D Rage Pro Turbo PCI, and added a video ram DIMM slot on the motherboard allowing users to upgrade their video ram using proprietary Apple DIMMs.

TOOLS:

- [6-in-1 Screwdriver](#) (1)
 - [Phillips #0 Screwdriver](#) (1)
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Step 1 — Logic Board



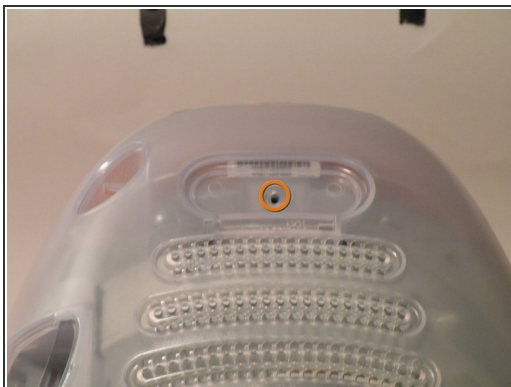
- The iMac G3. This was a great computer for the time, and had plenty of features.

Step 2



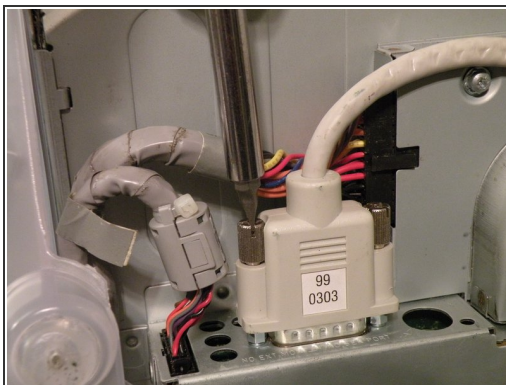
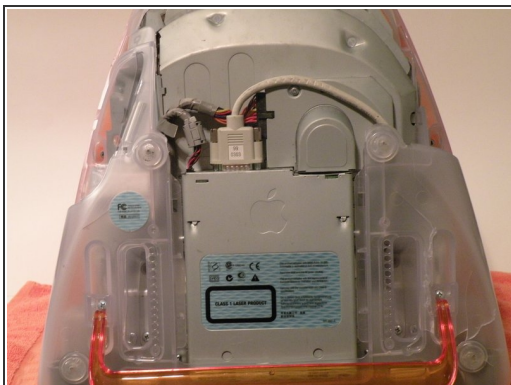
- Start by flipping the iMac upside-down. It may help to lay it on a towel, so you don't damage the screen, or scratch the face.

Step 3



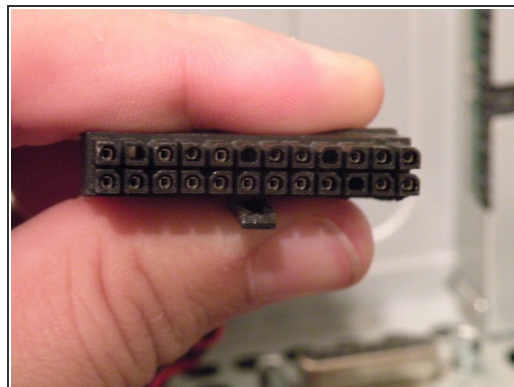
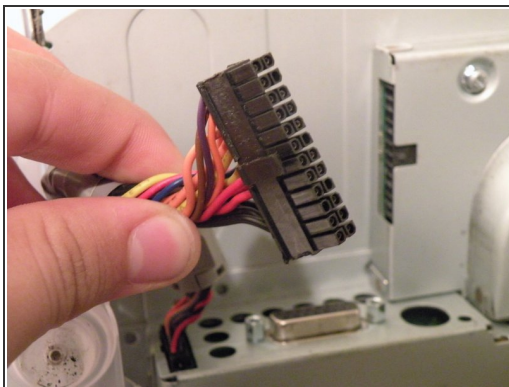
- Remove this Phillips screw.
- Using a flathead screwdriver, work your way around the bottom cover, until it comes off.
- Then, lift the bottom cover up and out, and set it aside.

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



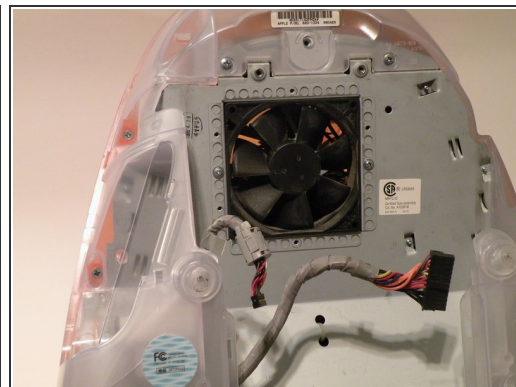
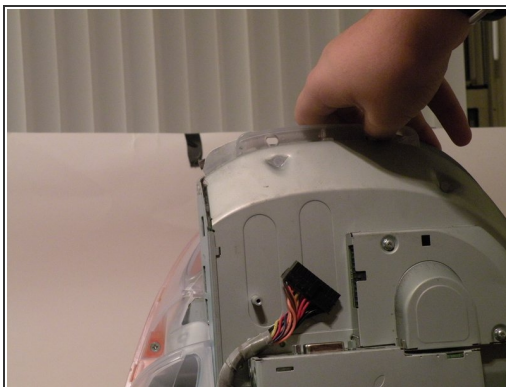
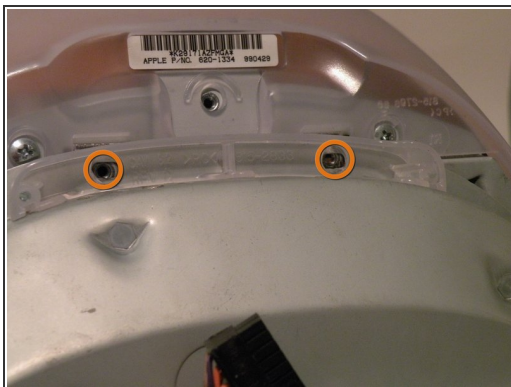
- Remove the power cable from the logic board assembly.

Step 6



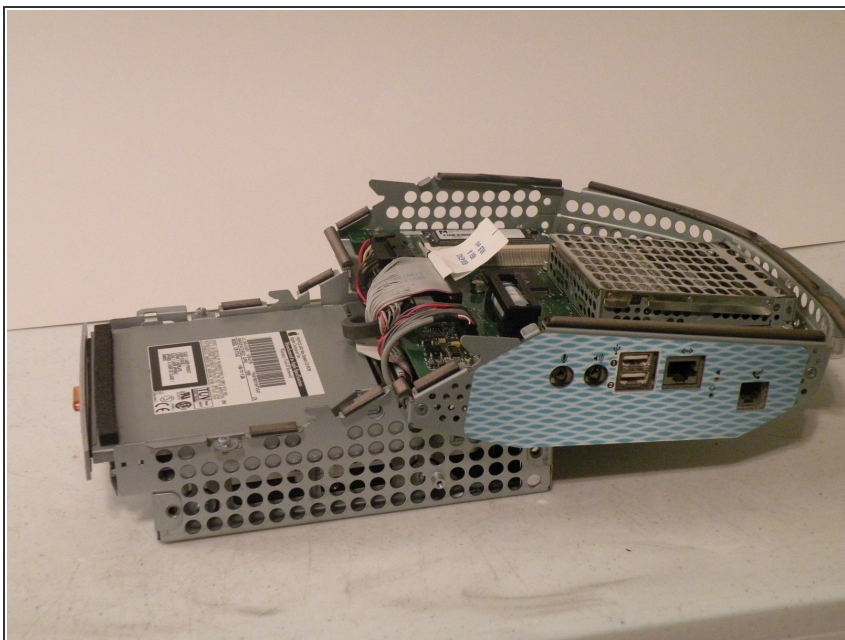
- Remove the front panel connector. (You may also need to remove an additional screw that connects the front panel connector to the logic board assembly).

Step 7



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

Step 8



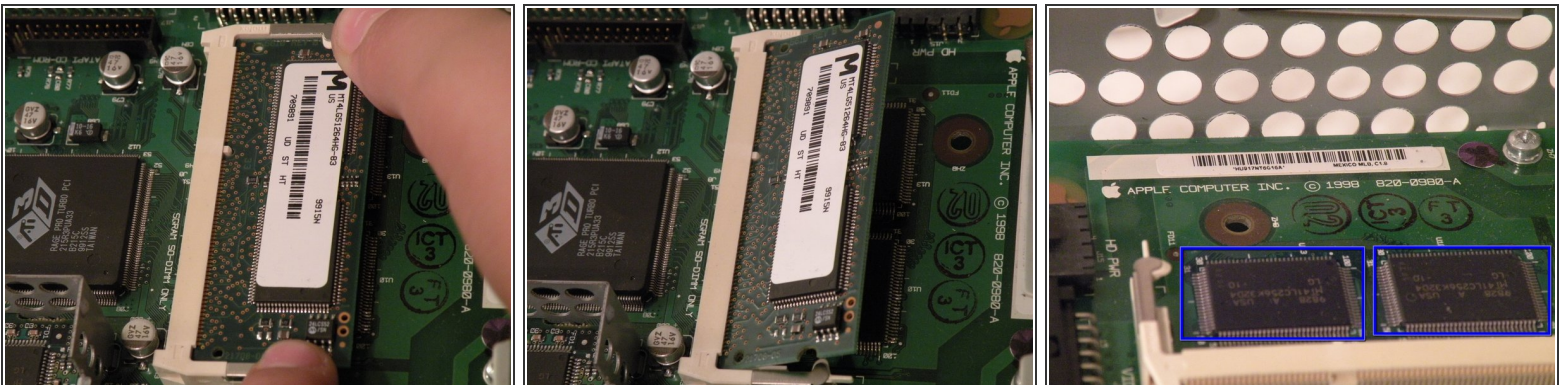
- The logic board assembly. This is the heart of the computer, it contains the motherboard, CPU, RAM, V-RAM, PRAM battery, the hard drive, and the optical drive.

Step 9 — Video Ram



- The Video-RAM DIMM slot is located on top of the logic board. Most people confuse this with the system RAM which is hidden under the CPU Shield.
- The GPU: an ATI 3D Rage Pro Turbo PCI with 2MB onboard + the video RAM DIMM:
- The Video RAM DIMM:

Step 10



- To remove the V-RAM, push the retaining tabs out, and the DIMM should pop up, then pull it out.
- The 2MB of V-RAM soldered to the logic board:
- According to what I've read, the iMac will support 10MB Total V-RAM, 2MB onboard, 8MB DIMM.

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