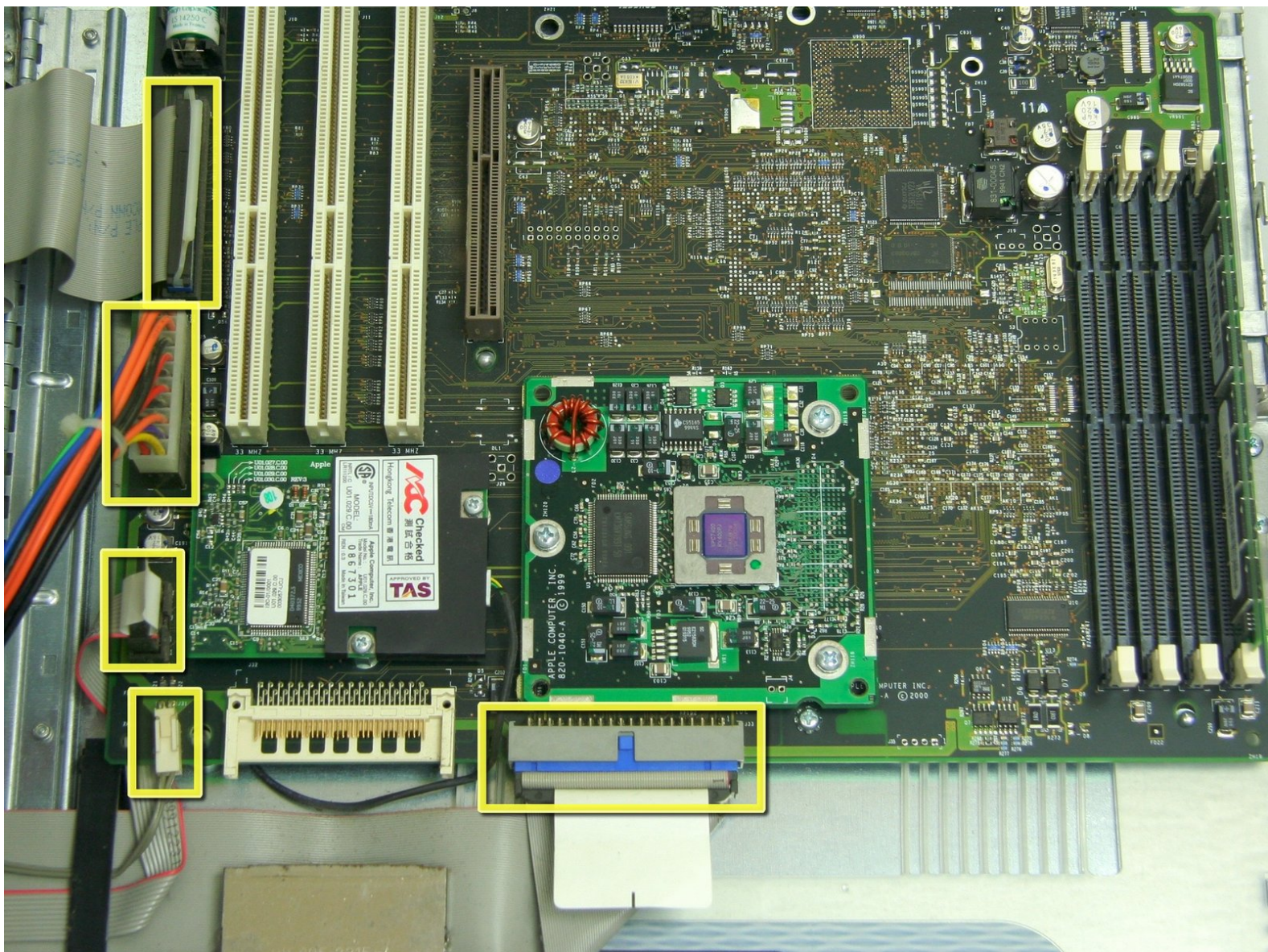# Power Mac G4 M5183 Logic Board Replacement

Written By: Justin Petrilli

INTRODUCTION

This guide will show you how to remove the PowerMac logic board.

🔧 TOOLS:

- Phillips #1 Screwdriver (1)
- Spudger (1)
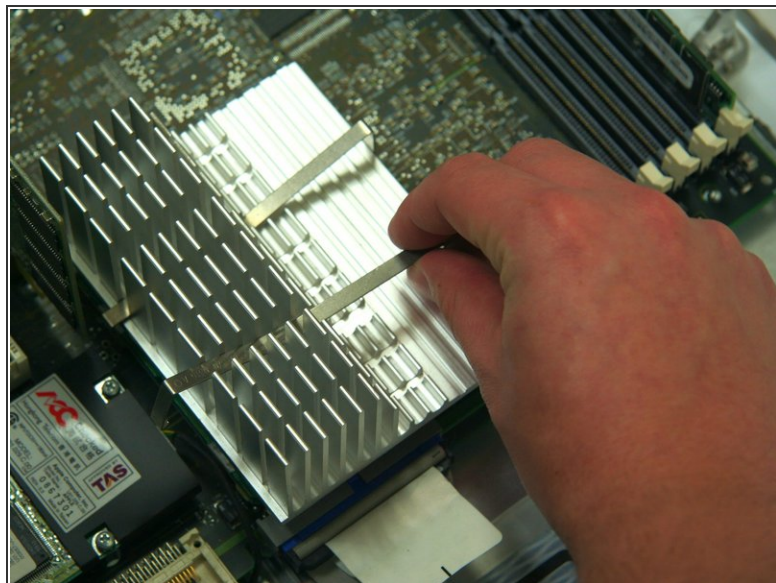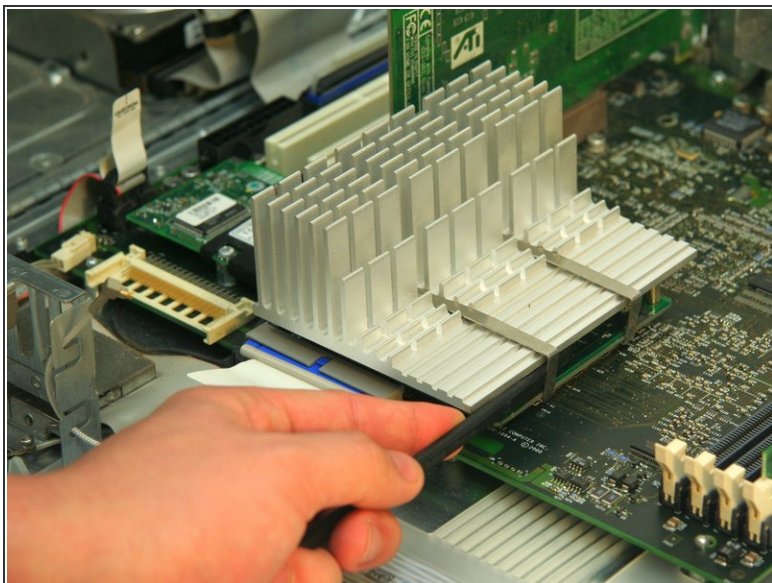
Step 1 — Opening PowerMac G4 M5183 Case

- Pull on outer latch.

- Lower door until it is level with your work surface.

⚠️ Before working on the computer make sure it is not plugged into a power supply, then touch a metal object. This discharges static electricity, which could damage the computer.
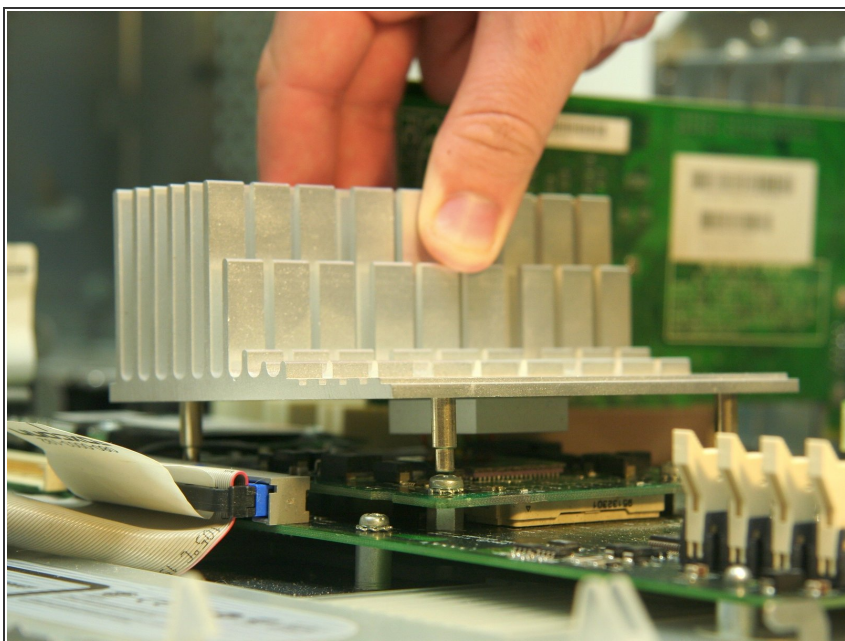
Step 2 — Heat Sink

- Use the spudger to pry the clips horizontally off of the heat sink.
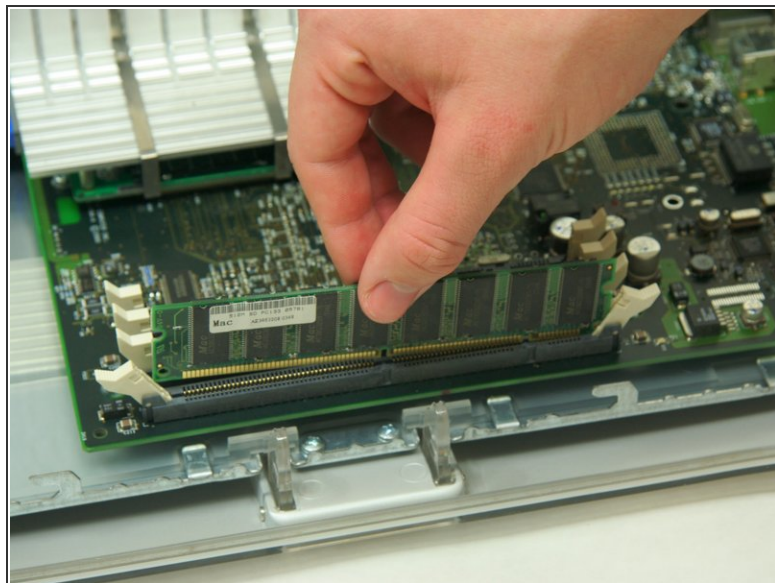
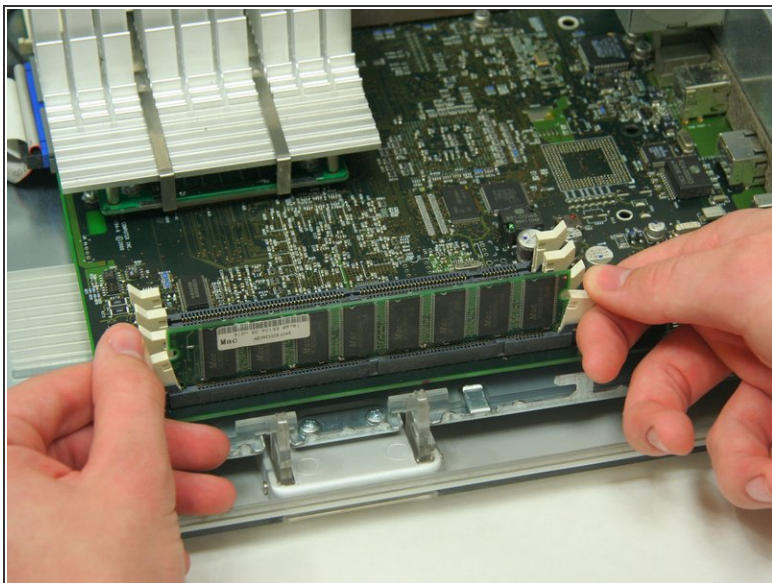- Fully remove the clips by lifting upwards.

Step 3

- Remove the heat sink by pulling upwards, off of the logic board.

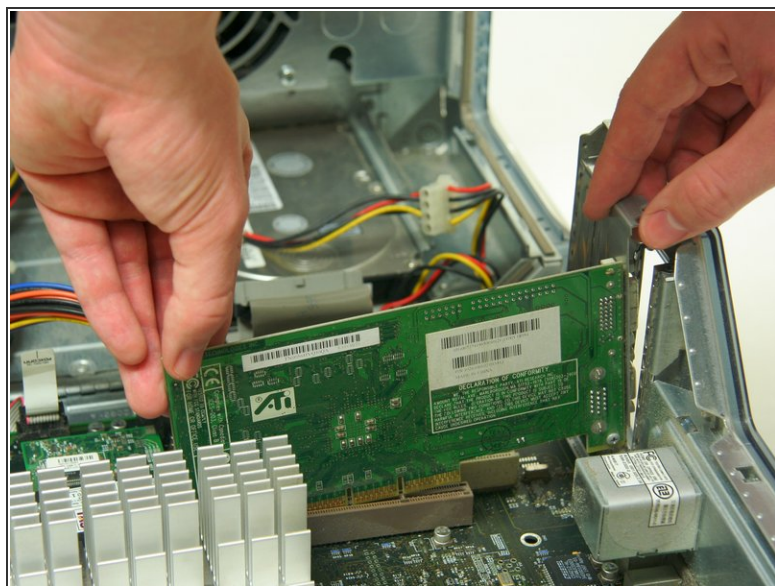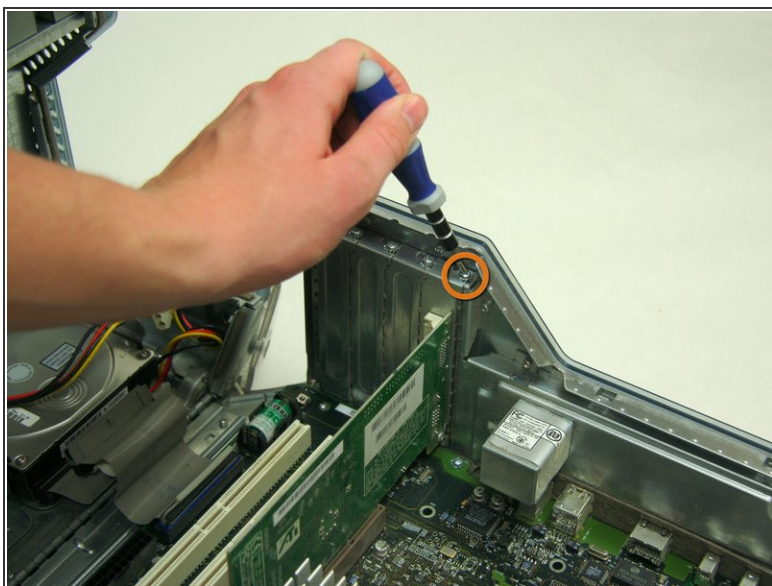This document was generated on 2020-11-20 06:33:55 PM (MST).
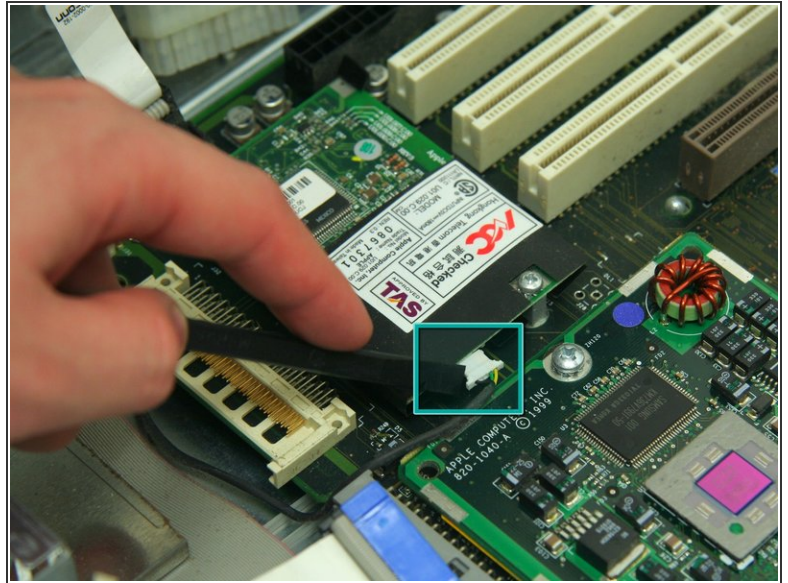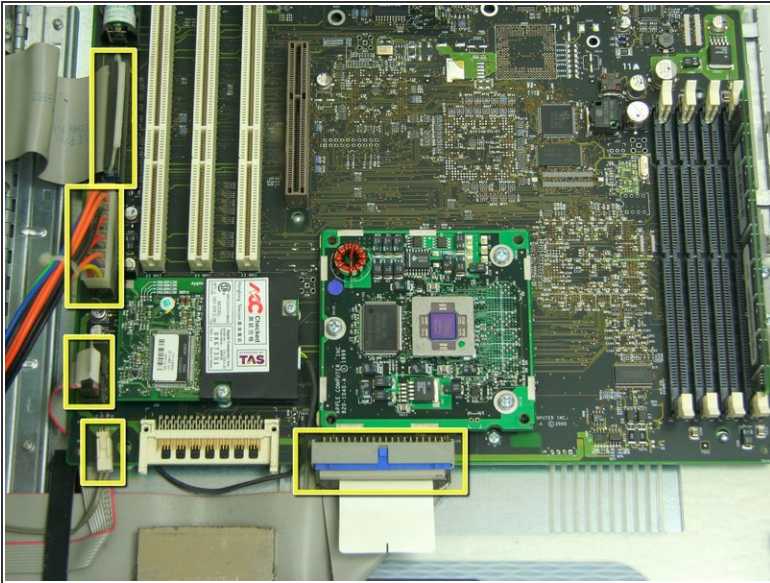
Step 4 — RAM

- Locate the RAM modules.

- Pull side tabs outward. The RAM will pop out of the housing.

Step 5 — Graphics Card

- Remove the single screw with the Phillips #1 screwdriver.

- Pull the graphics card up and out.

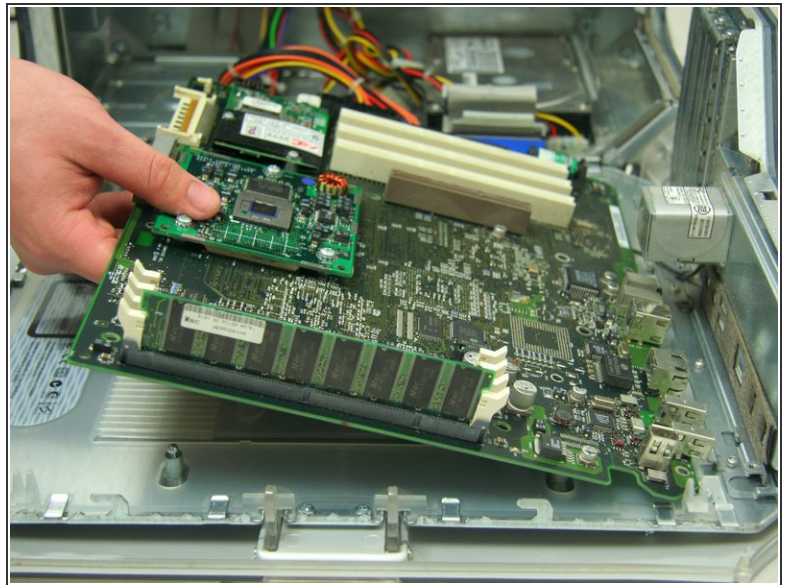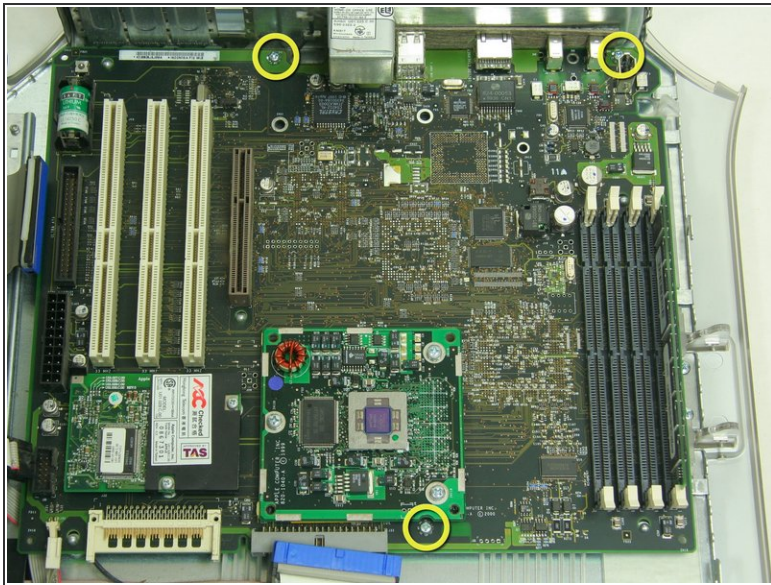This document was generated on 2020-11-20 06:33:55 PM (MST).

Step 6 — Logic Board

- Remove the six indicated cables attached to the logic board.

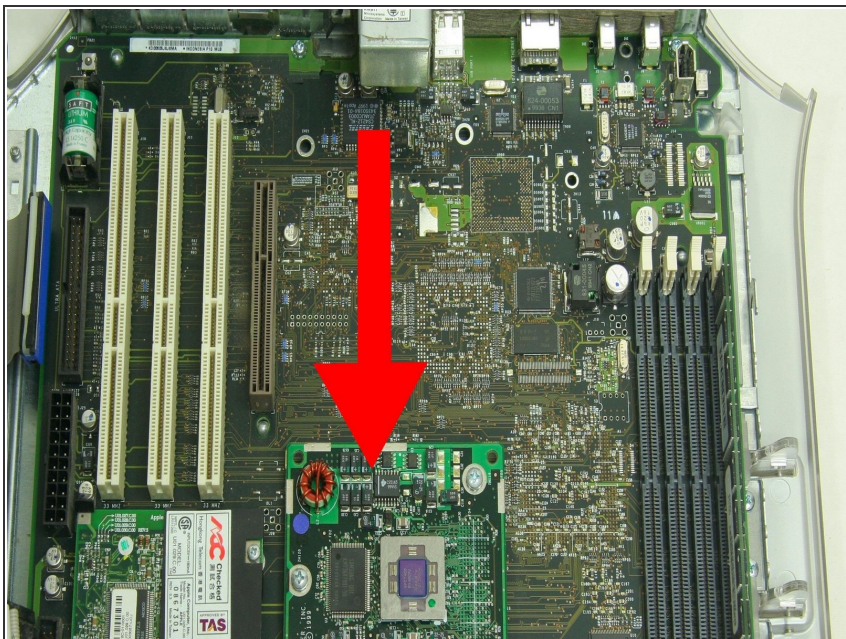- Use the spudger to remove the modem cable as indicated.

Step 7

- Unfasten 3 Phillips screws revealed beneath the heat sink on the CPU board.

- Carefully remove the CPU board from the Mother Board.

- Remove the barrell nut screws from the Mother Board which held the CPU board.

- Unfasten 3 Phillips #1 screws on Mother Board as shown in illustration 1.

- Slide the logic board about a quarter of an inch to free it from the three retaining pins.

- Pull upwards and outwards to fully remove the logic board.

Step 8

- After removing the (3) #2 philips screws, remove the (4) 1/4" hex nuts, then slide as directed and remove board.

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