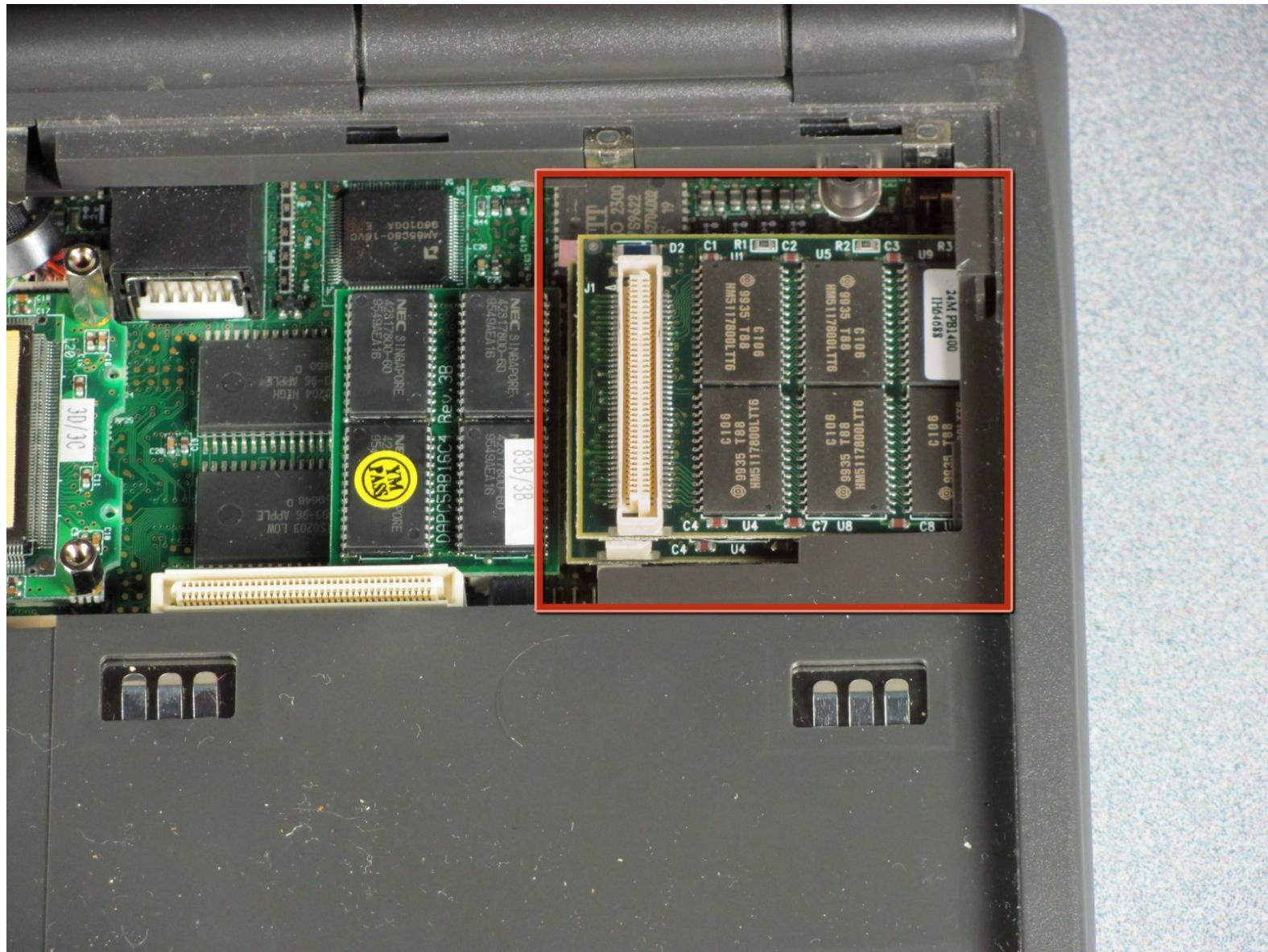




# Macintosh PowerBook 1400 Series RAM Replacement

This repair guide will give instructions on how to remove the Macintosh PowerBook 1400c RAM.

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## INTRODUCTION

This repair guide will give instructions on how to remove the Macintosh PowerBook 1400c RAM.

### TOOLS:

- **Phillips #1 Screwdriver** (1)
- **Spudger** (1)

## Step 1 — Battery



- Turn the device upside down and then locate the battery latch near the front of the device.

## Step 2



- Slide the latch to the left to release the battery.

## Step 3



- Continue holding the latch then gently pull the battery out of the device.
-  Place the battery in a safe location.

## Step 4 — CD-ROM Drive



- Locate the CD-ROM Drive latch.

## Step 5



- Slide the latch to the right to release the CD ROM drive.

## Step 6



- Continue holding the latch then gently pull the CD-ROM Drive out of the device.

**i** Place the CD ROM drive in a safe location.

## Step 7 — Keyboard



- Locate the speaker cover.

## Step 8



- Press firmly on each end of the speaker cover and slide it to the left.

## Step 9



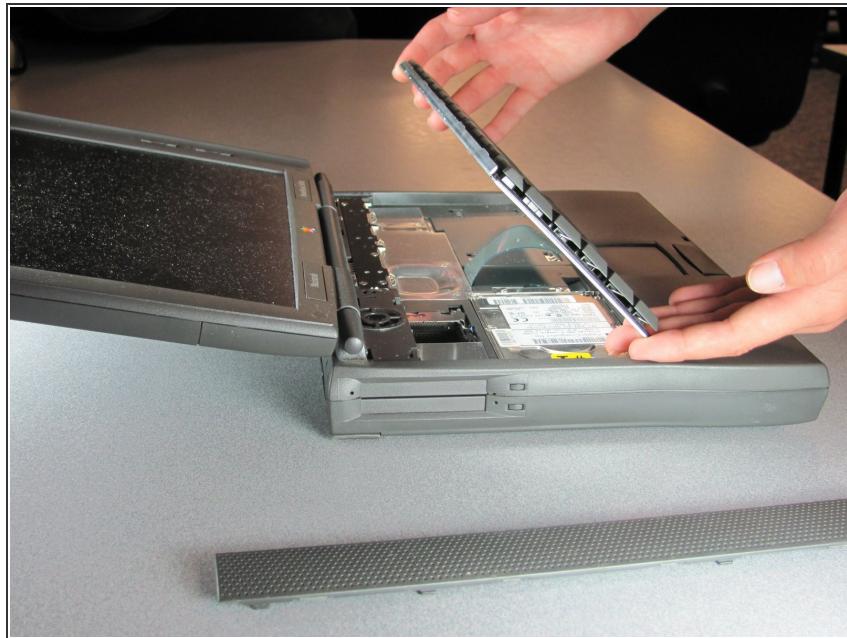
- Gently lift the speaker cover to remove it.

## Step 10



- Lift the keyboard up from the back using a spudger(wedge side).

## Step 11



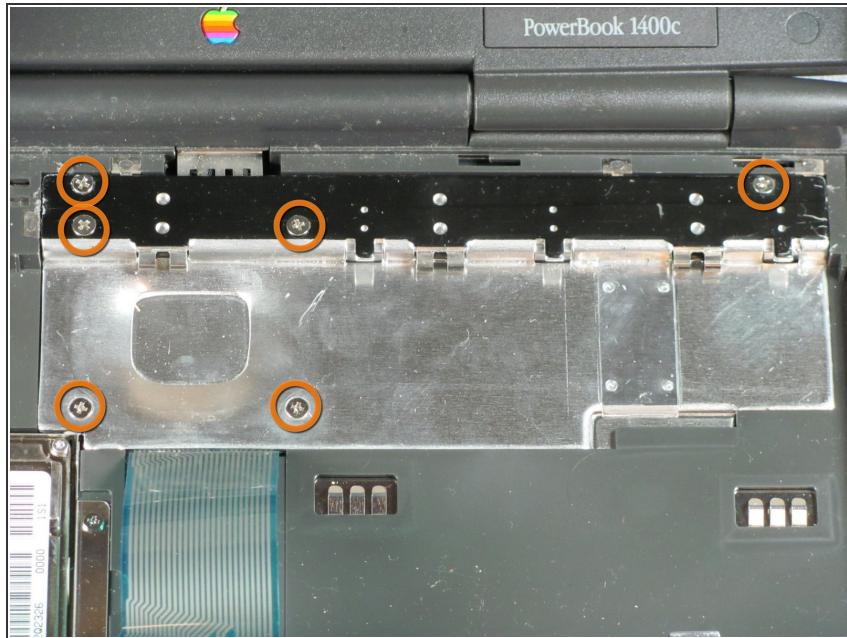
- Gently lift the keyboard until only the ribbon cable remains attached.

## Step 12



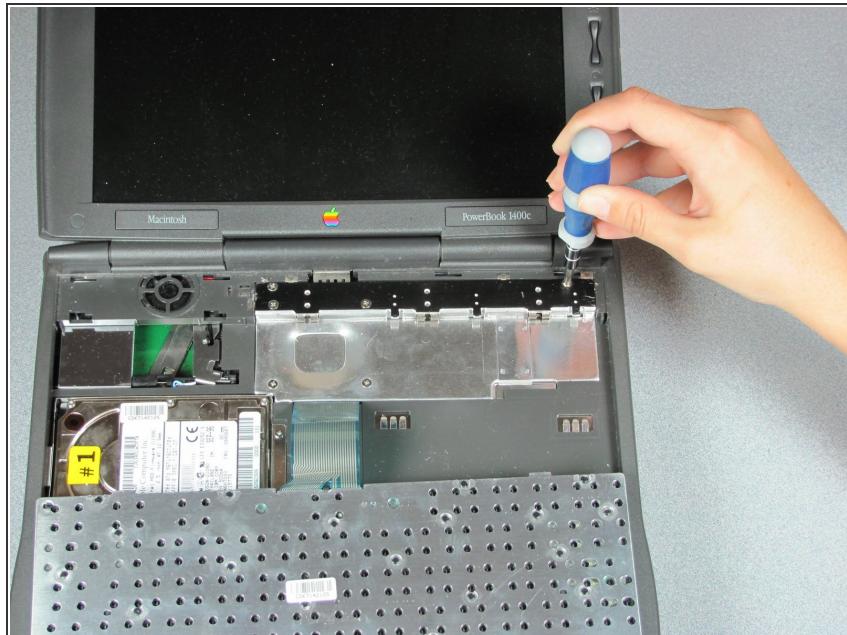
- Tilt the keyboard away from the screen.

## Step 13



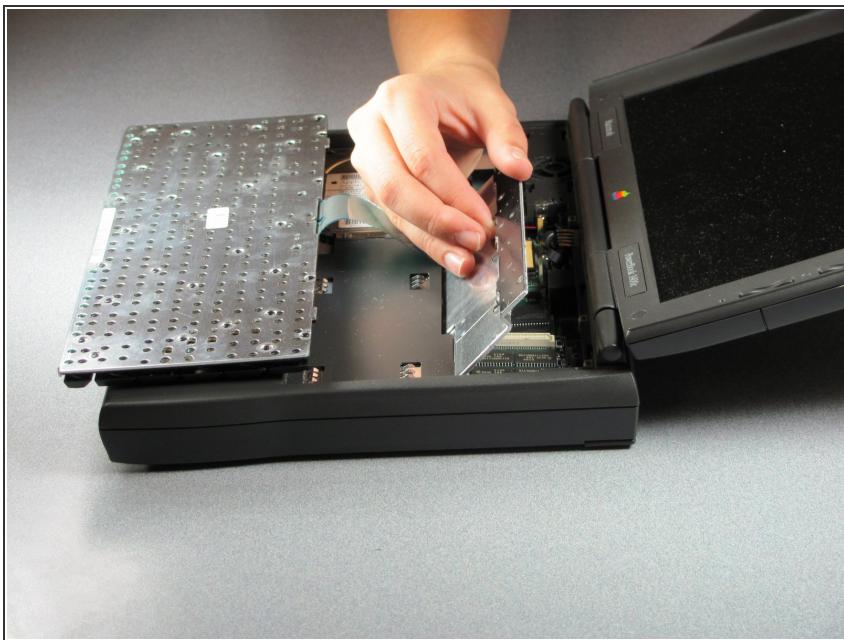
- Locate the six screws that secure the heatsink.

## Step 14



- Remove the six screws from the heatsink using the Philips #1 screwdriver.

## Step 15



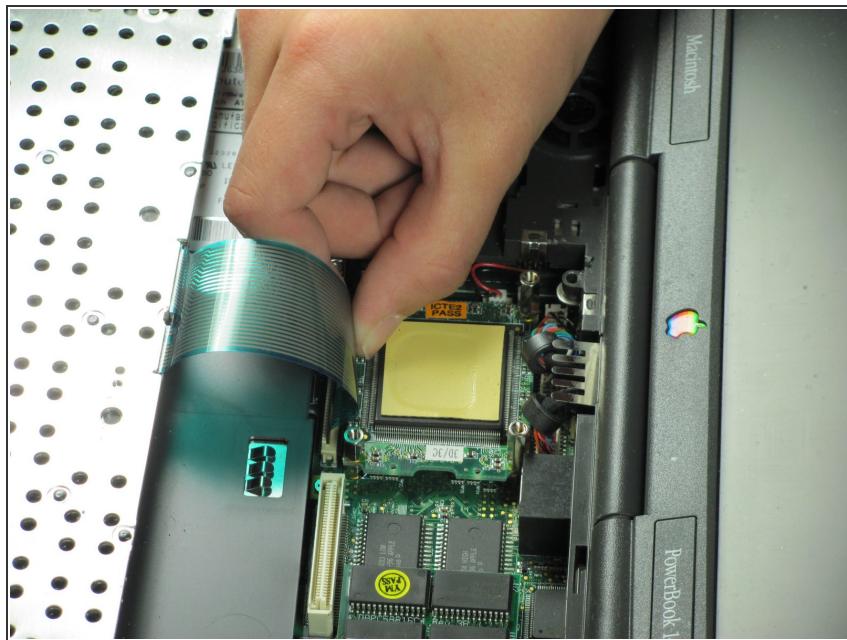
- Lift the heatsink from the side closest to the laptop screen.

## Step 16



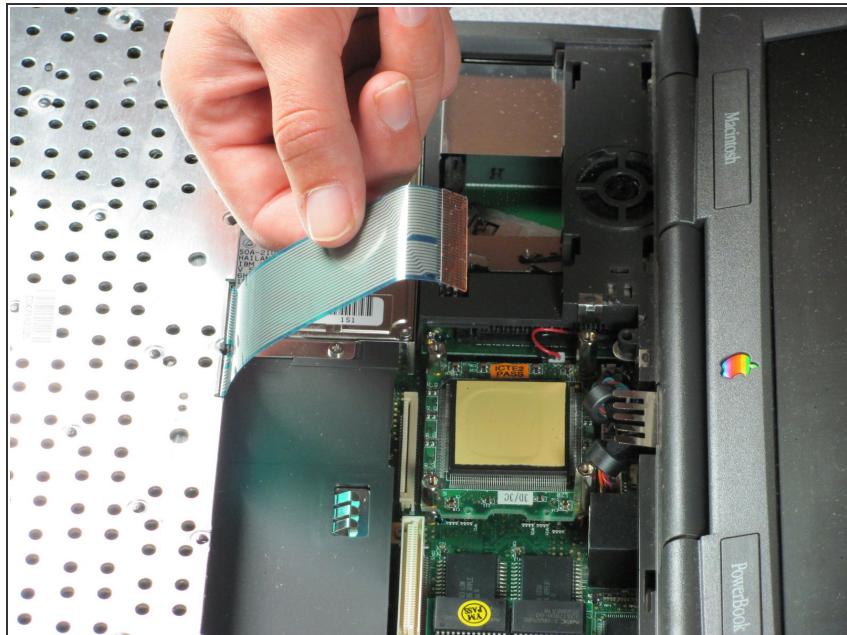
- Remove the heatsink.

## Step 17



- Gently pull up on the beige ribbon lock until it moves a short distance on both sides to separate the ribbon cable from the connector.

## Step 18



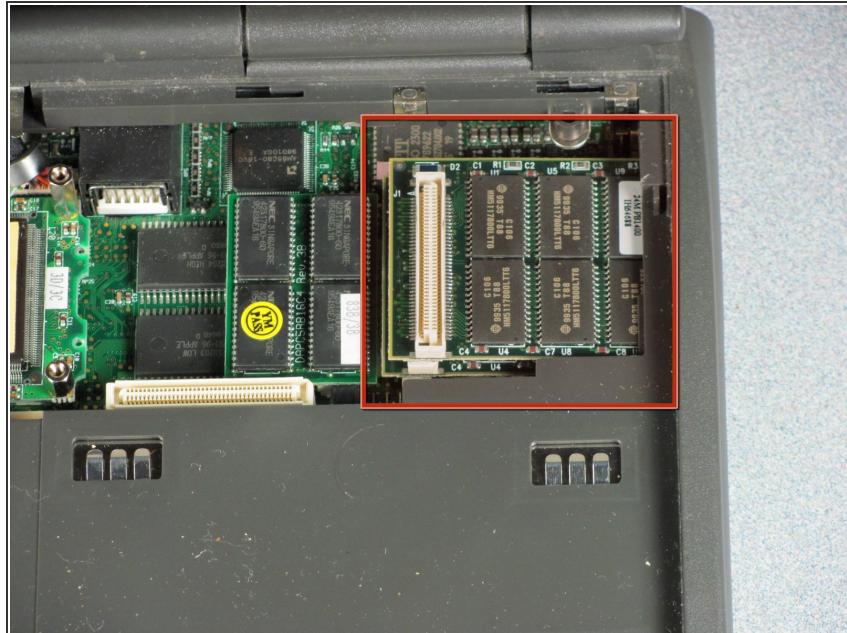
- Detach the ribbon cable.

## Step 19



- Remove the keyboard.

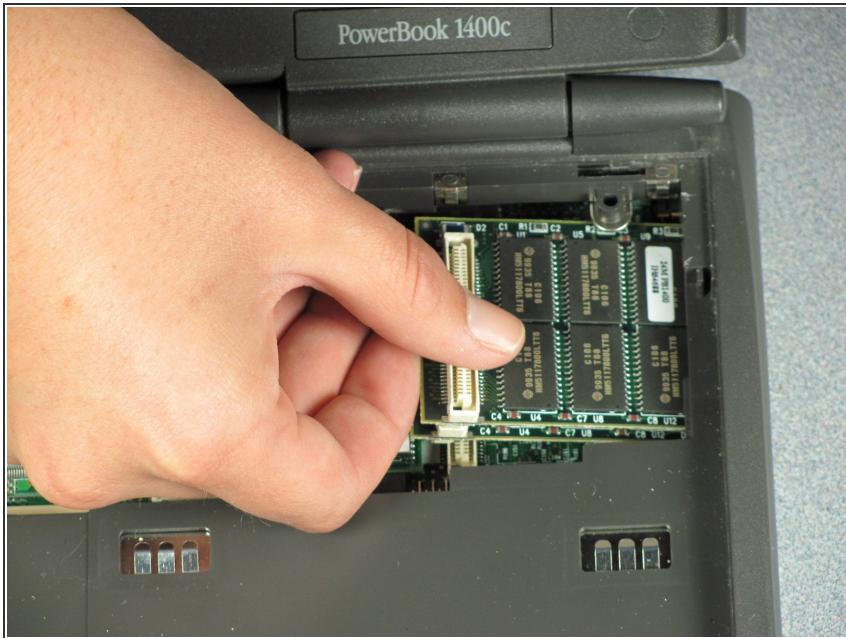
## Step 20 — Memory (RAM)



- Identify RAM Memory stick

*(i)* These are the upgradeable RAM Memory sticks, they must be removed first

## Step 21



- Gently grasp the ram on the far end as shown in the picture and then pull up and away from the right side of the computer

## Step 22



- Remove the upgradeable RAM stick

**i** If the upgradeable RAM stick is all you are repairing you can end the guide here, however to remove the factory installed RAM please continue

## Step 23



- Gently grasp the factory installed RAM by grabbing each end as shown in the picture and pull the stick directly up

## Step 24



- Remove the factory installed RAM memory module

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