



# PowerBook 180 Ram Replacement

Install new ram into the PowerBook 180.

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## INTRODUCTION

The PowerBook 180 was one of Apple's top of the line notebook computers at around 1993. It was in high demand through all of its life, and had a selling price of about \$3900 base model. This computer can run System 7 - 8.1 (through Born Again) and has a 68030 processor running at 33mhz.



### TOOLS:

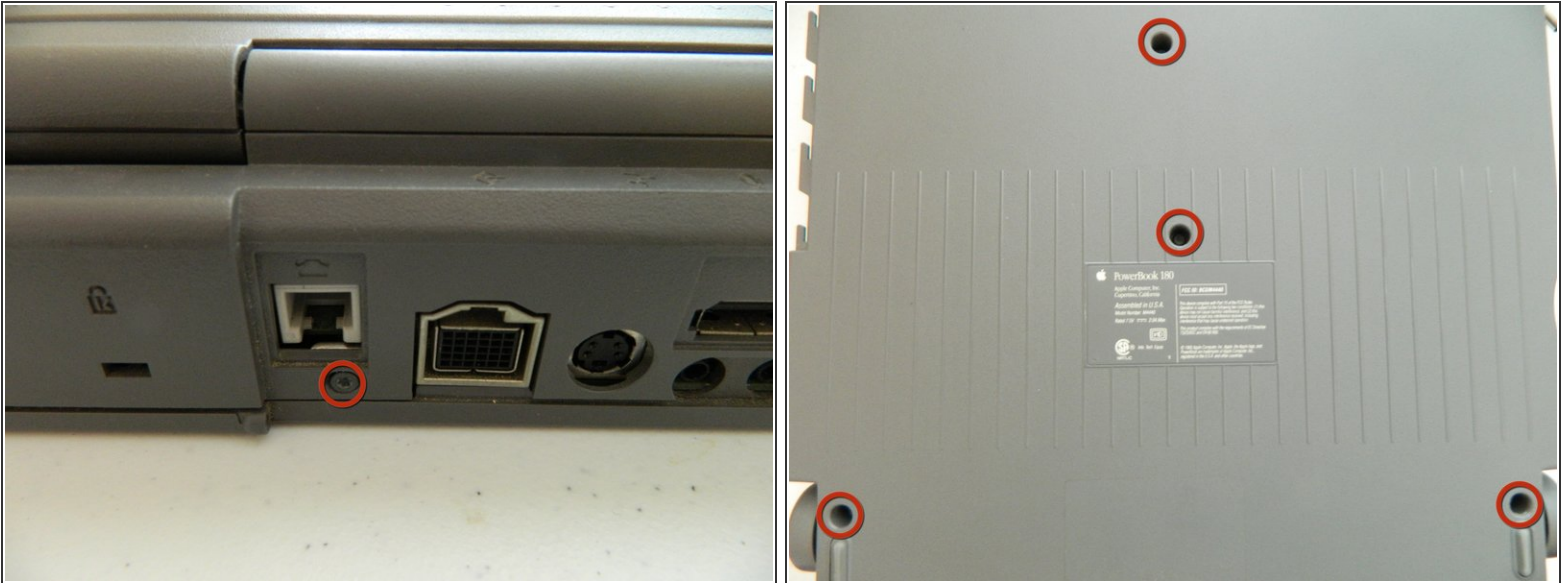
- [T8 Torx Screwdriver](#) (1)
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## Step 1 — Ram



- The PowerBook 180 has a removable Ni-Cad battery on the side. Before we start this repair, we need to make sure the computer does not have any power source - so you don't get shocked and the computer doesn't die.
- Slide the battery door to the front of the computer, as directed by the arrows.
- Pull out the battery.

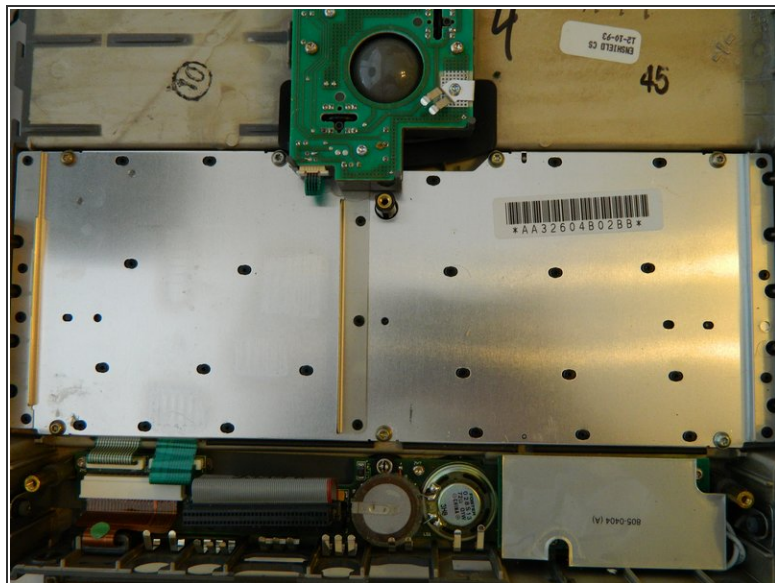
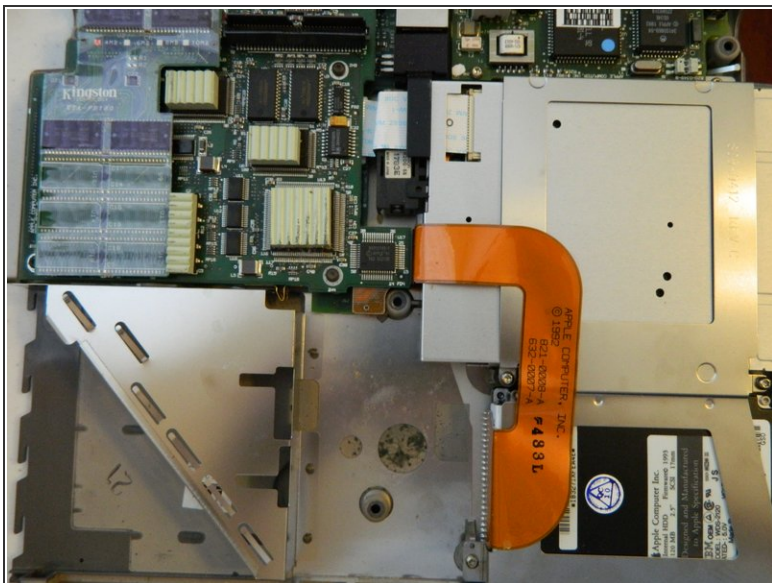
## Step 2



- There are 5 Torx T8 screws that hold the bottom of the PowerBook 180.
- 4 are on the side, and one is above the modem port at the back of the computer.
- Remove these screws.

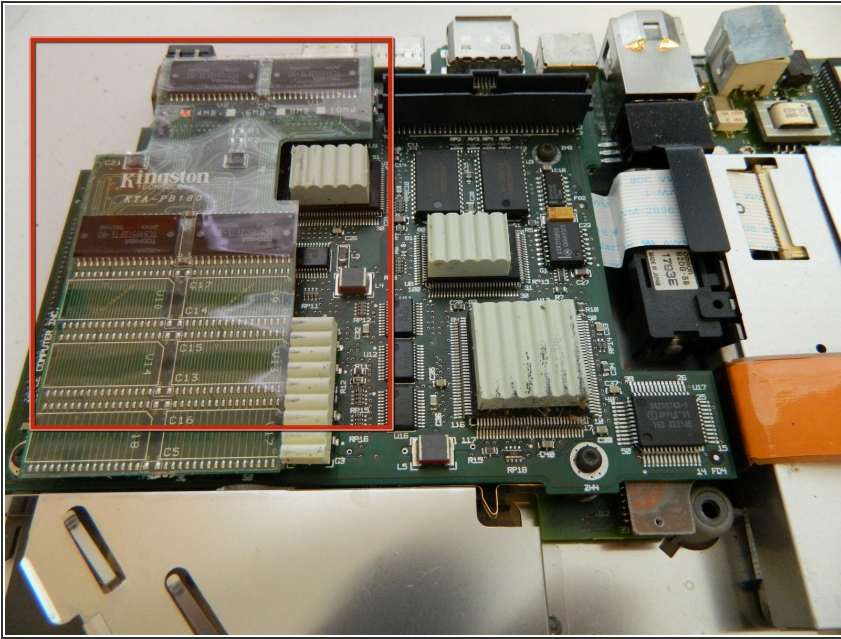


## Step 3



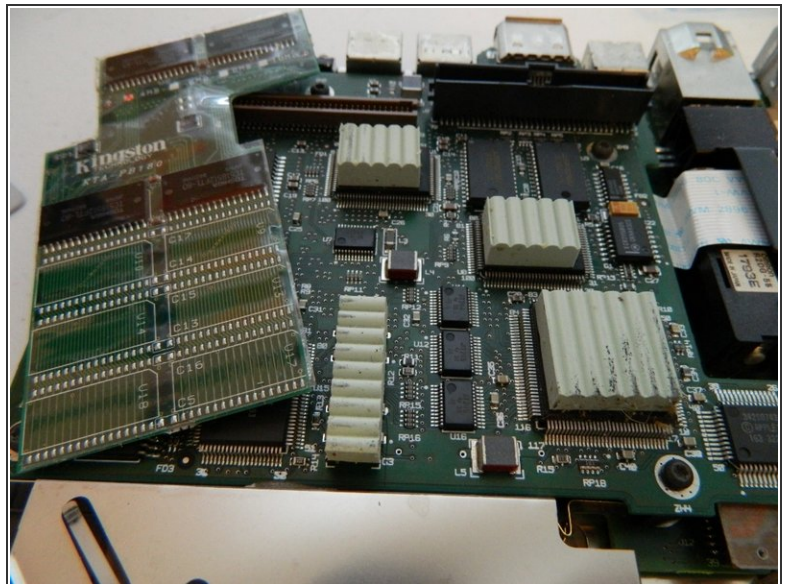
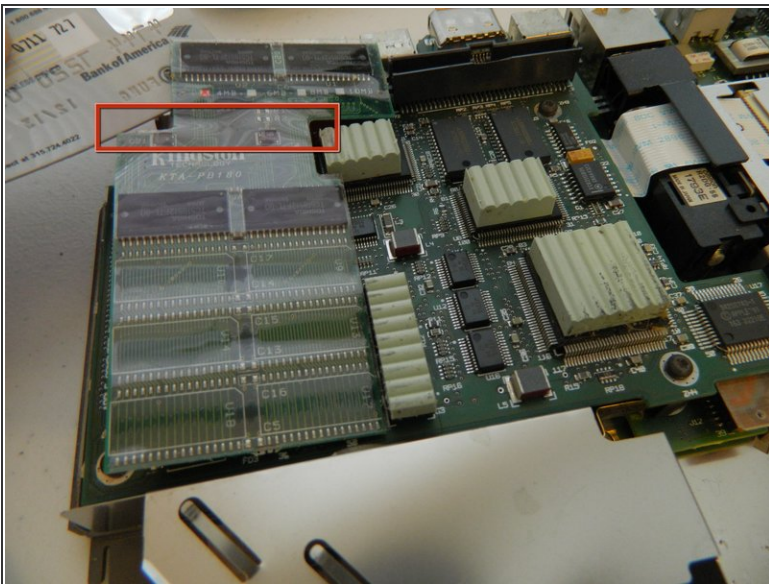
- Remove the bottom plate by prying up with either a flathead screwdriver or plastic object, such as a credit card.
- Keep in mind the bottom left and right corners of the PowerBook 180 is very hard to open - you may need to use some extra force to open that side.
- Your PowerBook 180 should look like the two pictures - with separate top and bottom halves.

## Step 4



- Identify the RAM in the PowerBook 180. It is marked in red in the picture.
- For this PowerBook, there is 4mb of Kingston RAM - a lot back in those times!

## Step 5



- Remove the RAM by using a plastic object (such as a credit card) along the red marked area in the picture. The RAM is very flexible, so be very careful.
- Now place the new RAM into the empty socket.
- Follow these instructions in reverse order to reassemble the PowerBook 180.

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