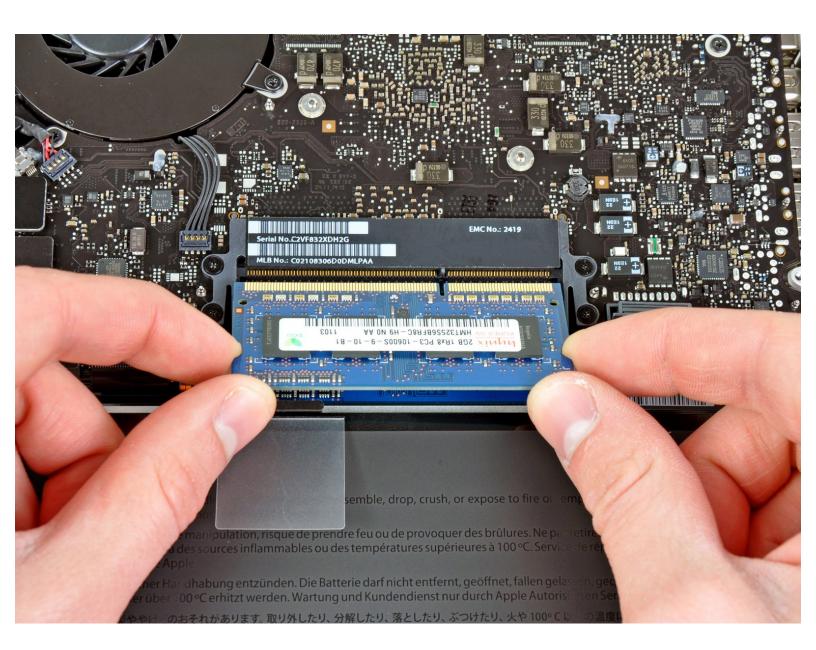![iFixit logo]

# MacBook Pro 13" Unibody Mid 2012 RAM Replacement

Upgrade the RAM in your Mid 2012 MacBook Pro 13" Unibody.

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# INTRODUCTION

Upgrade the RAM in your Mid 2012 MacBook Pro 13" Unibody.

## TOOLS:

- Phillips #00 Screwdriver (1)
- Spudger (1)

## PARTS:

- MacBook Pro 13" Unibody Mid 2012 Memory Maxxer RAM Upgrade Kit (1)
- PC3L-12800 4 GB RAM Chip (1)
- PC3L-12800 2 GB RAM Chip (1)
- PC3L-12800 8 GB RAM Chip (1)

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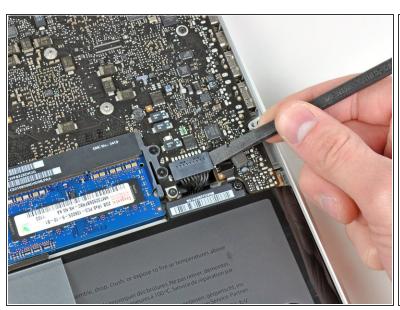
# Step 1 — Lower Case



- Remove the following ten screws:
  - Three 14.4 mm Phillips #00 screws
  - Three 3.5 mm Phillips #00 screws
  - Four 3.5 mm shouldered Phillips #00 screws
- ⓘ When replacing the small screws, align them perpendicular to the slight curvature of the case (they don't go straight down).
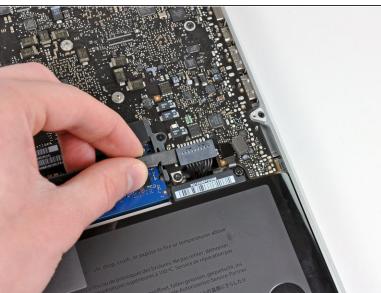
# Step 2



- Use your fingers to pry the lower case away from the body of the MacBook near the vent.
- Remove the lower case.

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## Step 3 — Battery Connection



- Use the edge of a spudger to pry the battery connector upwards from its socket on the logic board.

- (i) It is useful to pry upward on both short sides of the connector to "walk" it out of its socket. Be careful with the corners of the connectors, they can be easily broken off.

## Step 4



- Bend the battery cable slightly away from its socket on the logic board so it does not accidentally connect itself while you work.

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## Step 5 — RAM



- Pull the two RAM retaining arms away from the center of the RAM chip.

- ⓘ The RAM chip should "pop" up slightly from its socket.

## Step 6



- Pull the RAM stick out of its socket.

- 📌 Repeat this process to remove the second RAM chip.

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