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## INTRODUCTION

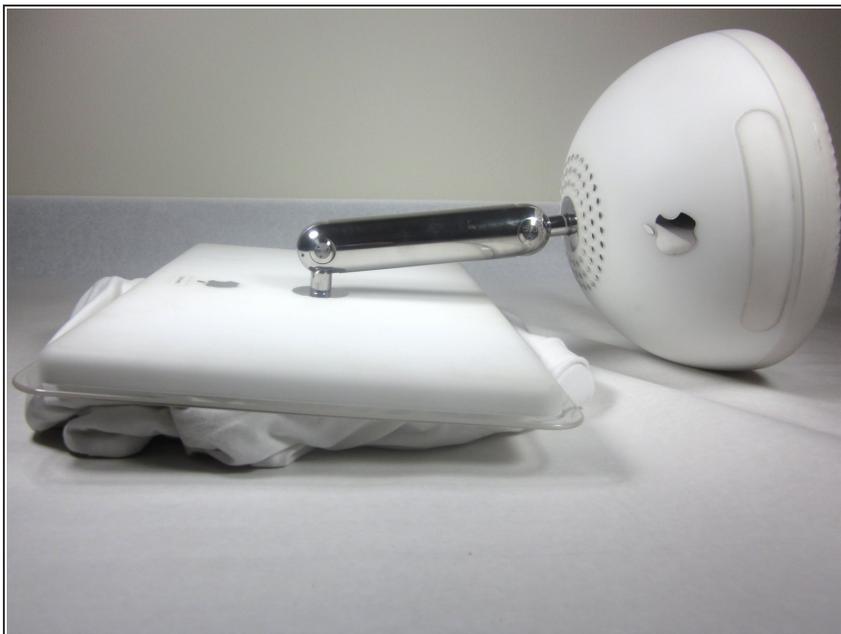
Disassembly to replace/repair optical drive.

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### TOOLS:

- [Phillips #0 Screwdriver](#) (1)
  - [TR10 Torx Security Screwdriver](#) (1)
  - [T15 Torx Screwdriver](#) (1)
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## Step 1 — Bottom Plate



- Unplug all the cables from the computer, including the power cable. Lay the computer face-down, supporting the neck and base with a soft cloth under the screen.

## Step 2



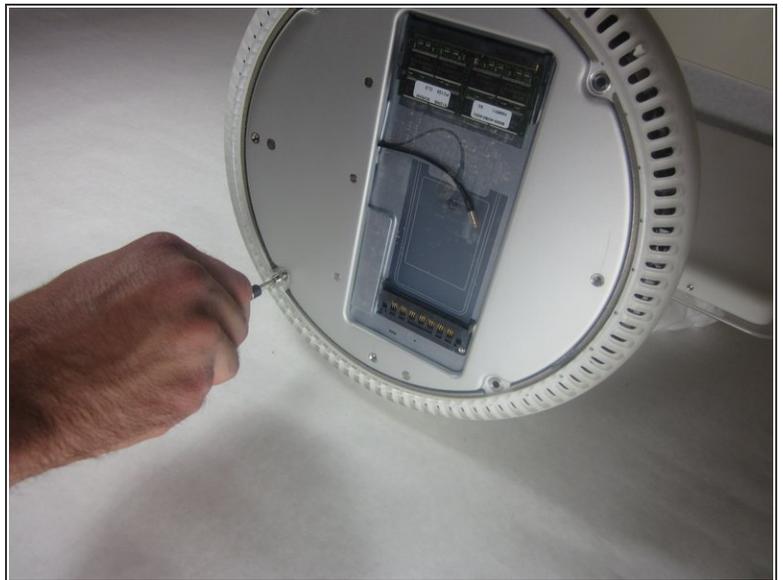
- Loosen the four Phillips #0 screws.

### Step 3



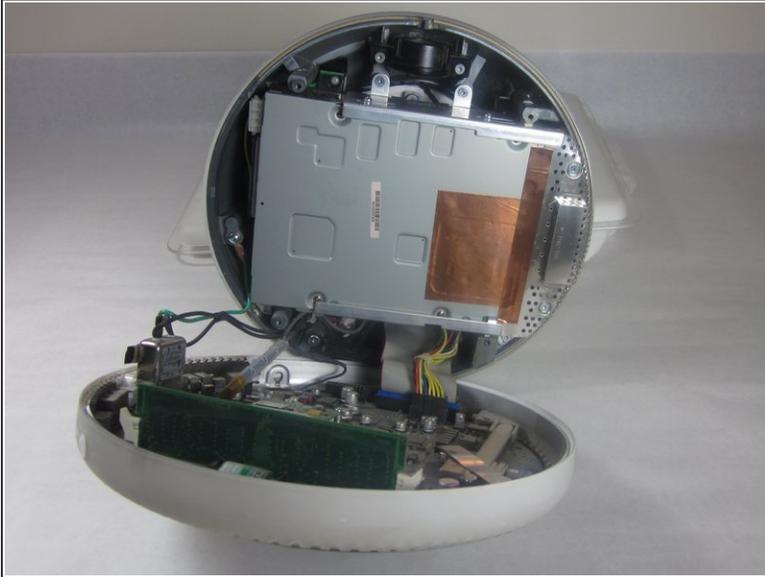
- Carefully remove the base access panel.

### Step 4 — Bottom Plate Housing



- Remove the four 25mm T-15 screws.

## Step 5

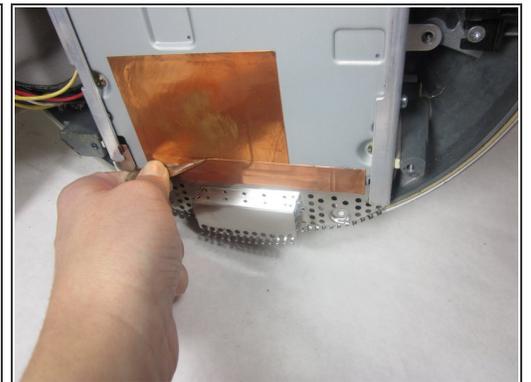
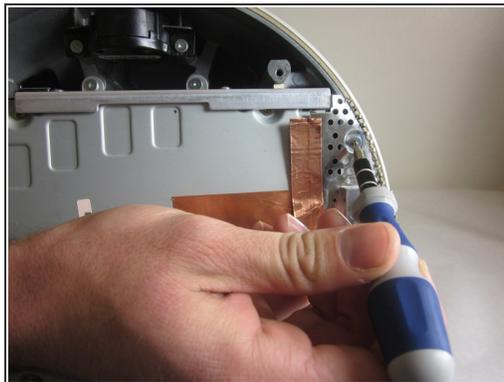
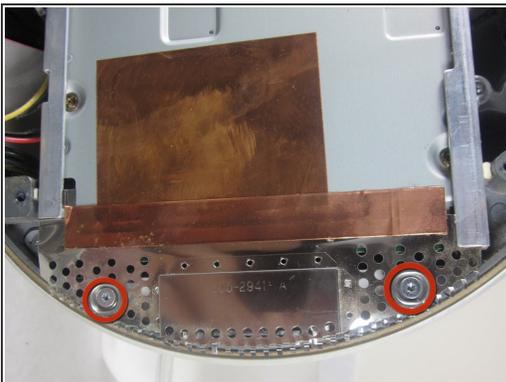


- Open the housing plate.

**⚠ Be gentle with the wires still connected to the logic board so as not to ruin the cables.**

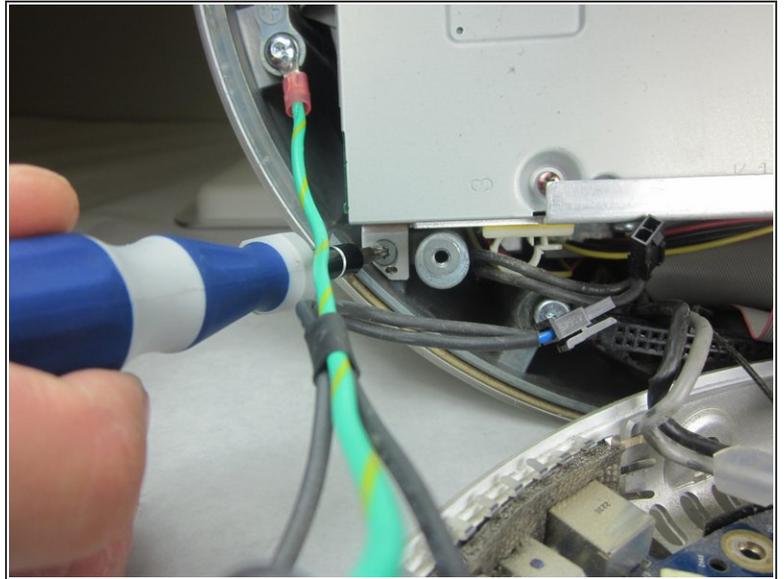
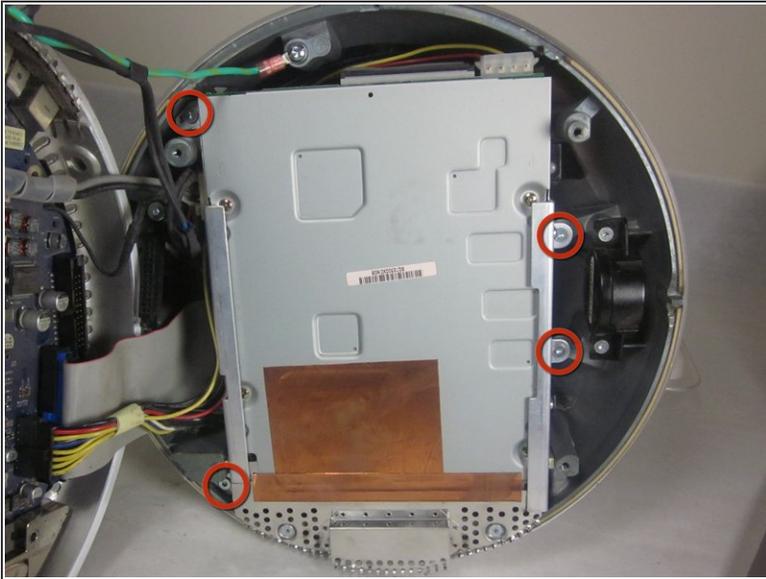
- A fixed plug connector between the logic board and upper unit will cause some resistance. Pull gently but firmly.

## Step 6 — Drive Carrier Assembly



- Remove the 2 torx 10mm screws on the EMI shield
- Carefully remove shield and copper tape

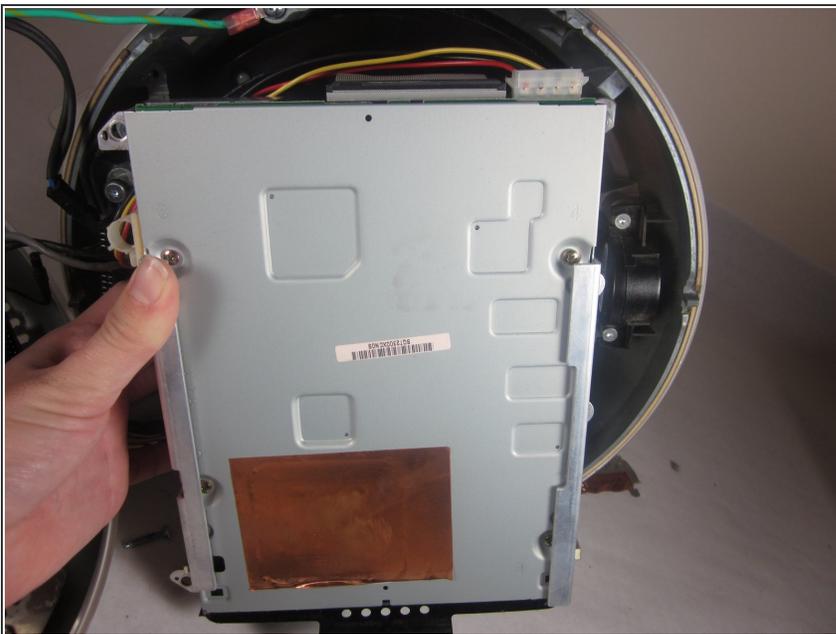
## Step 7



- Remove the 4 10mm torx screws attached to the drive carrier.

**i** The drive carrier includes optical drive and hard drive.

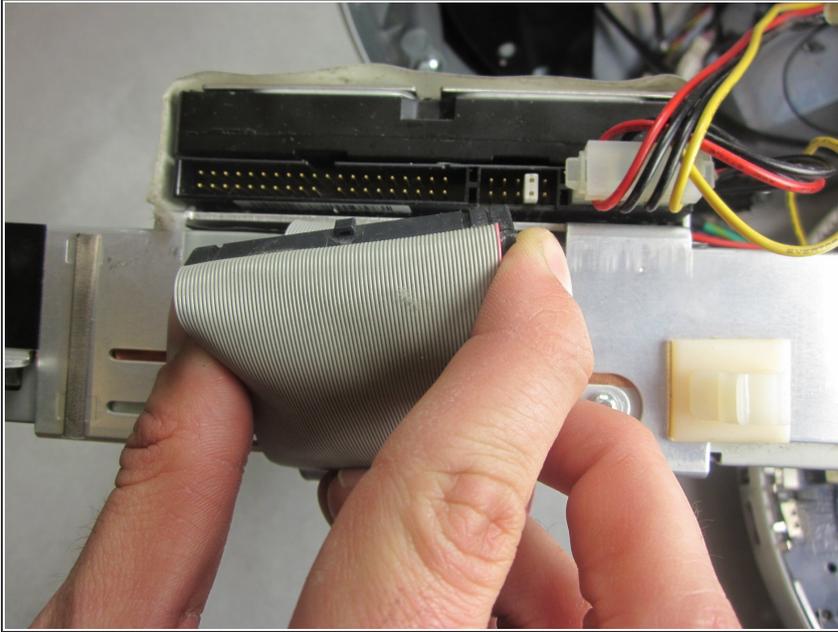
## Step 8



- Grasp the carrier with both hands on each side.
- Remove the carrier by lifting up and out.

**i** Pull gently but firmly. The carrier is meant to fit snugly.

## Step 9



- Flip the removed carrier to the right and pull out power cables.

## Step 10 — Hard Drive



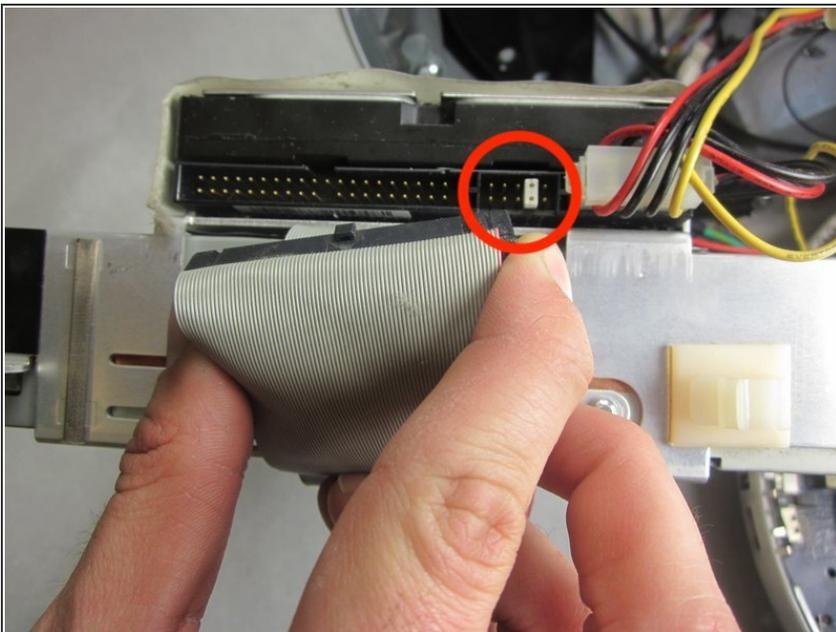
- Peel back the white paper, revealing the screws that connect the hard drive to the carrier.
- Remove the 4 T-10 5mm screws connecting the hard drive and frame. (There are 2 screws on each side)

## Step 11



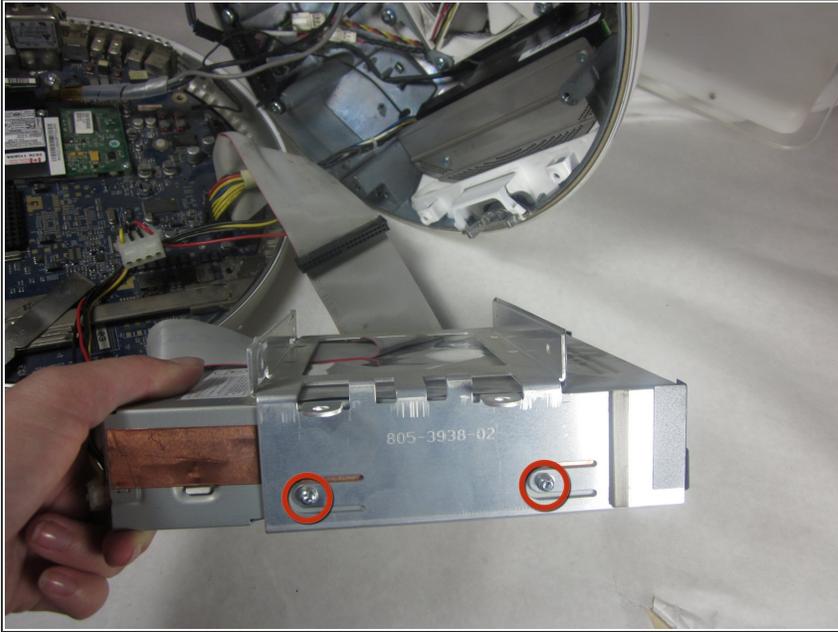
- Slide the hard drive out from the frame and optical drive.

## Step 12 — Double check the new drive's jumper



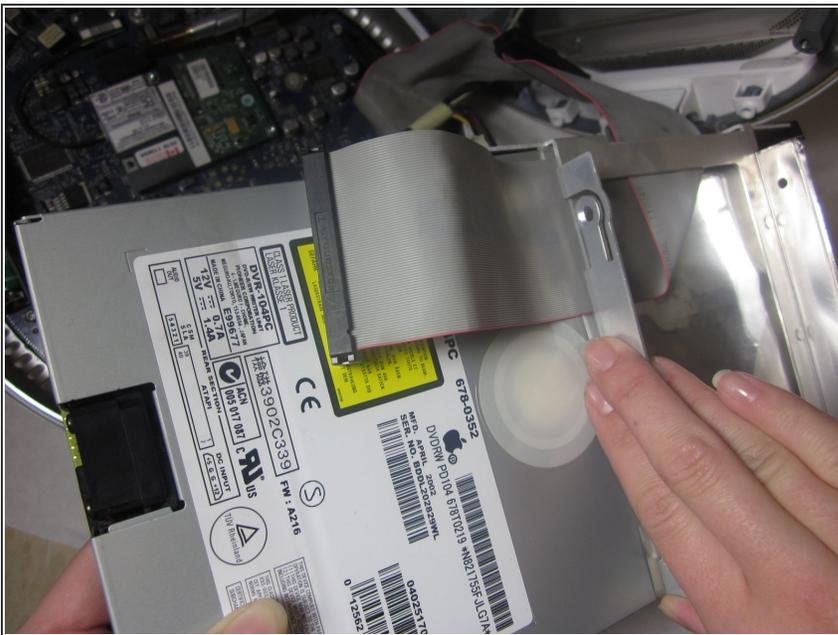
- Before you reassemble the computer, double check that your new hard drive has the same jumper configuration as the old one. This ensures the IDE "Master-Slave" protocol isn't interrupted. Some systems do not require this, but if you are having issues booting up afterwards with the storage or the disc drive, this could be the source of the problem.

## Step 13 — Optical Drive



- Remove the four T-10 6mm screws at the sides of the drive.

## Step 14



- Slide the optical drive out of the carrier

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