



# Mac Pro Late 2013 AC Socket Replacement

Use this guide to replace the AC power socket...

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# INTRODUCTION

Use this guide to replace the AC power socket in your Mac Pro.

**Before beginning any work on your Mac Pro:** Unplug the computer and press and hold the power button for ten seconds to discharge the power supply's capacitors.

**Be very careful** not to touch the capacitor leads or any exposed solder joints on the back of the power supply. Only handle the board by the edges.

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## TOOLS:

[T4 Torx Screwdriver](#) (1)

[Spudger](#) (1)

[TR10 Torx Security Screwdriver](#) (1)

[TR7 Torx Security Screwdriver](#) (1)

[Tweezers](#) (1)

[T5 Torx Screwdriver](#) (1)

[TR8 Torx Security Screwdriver](#) (1)

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## Step 1 — Outer Case



- Slide the lock switch to the right, to the unlocked position.

## Step 2



- Lift the outer case straight up off the Mac Pro.
- ⓘ It may help to push down on the center of the fan while lifting the case up.

## Step 3 — Fan Assembly



- Remove five 5.1 mm T10 Torx screws from around the outer perimeter of the fan assembly.

## Step 4



ⓘ The fan assembly is attached to the rest of the computer by two cables on the IO board side.

- Tilt the assembly up away from the IO board.

⚠ Do not try to remove the fan assembly yet, as it is still attached by two cables.

## Step 5



- While supporting the fan assembly with one hand, loosen the two T8 captive screws in the fan cable bracket.

⚠ These screws are captive in the Mac Pro. Do not try to remove these screws from your Mac Pro.



## Step 6



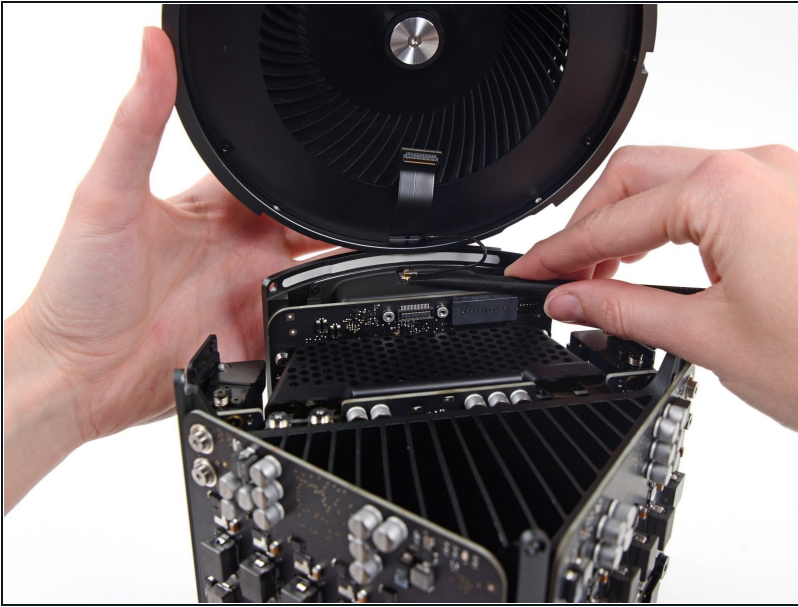
- Use a pair of [tweezers](#) to pull the fan cable bracket away from the fan assembly.

## Step 7



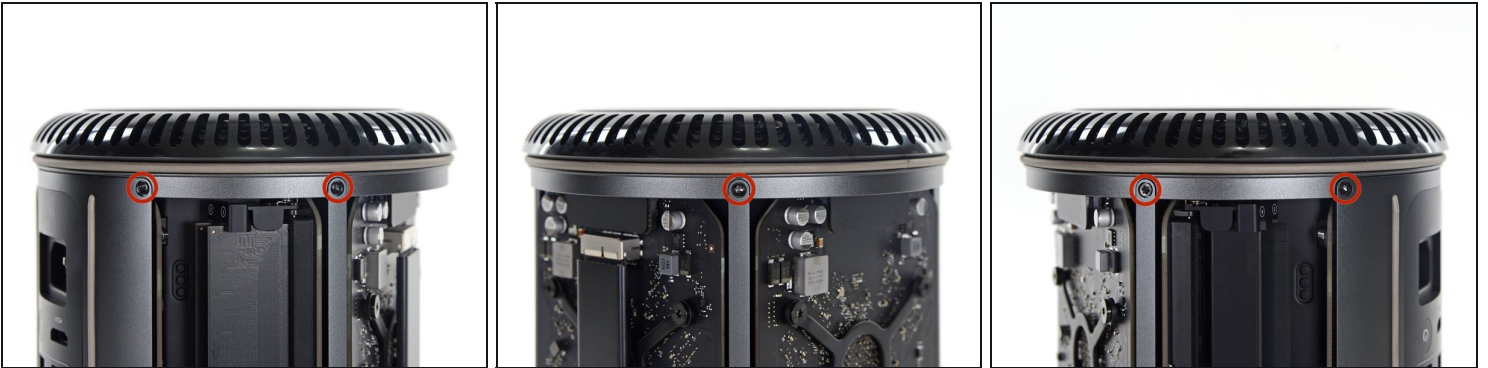
- Use the flat end of a spudger to disconnect the fan assembly ribbon cable from the IO board.

## Step 8



- Disconnect the fan assembly antenna cable from the IO board.
- Remove the fan assembly from the Mac Pro.

## Step 9 — Lower Case



① Flip the Mac Pro upside down, 180 degrees.

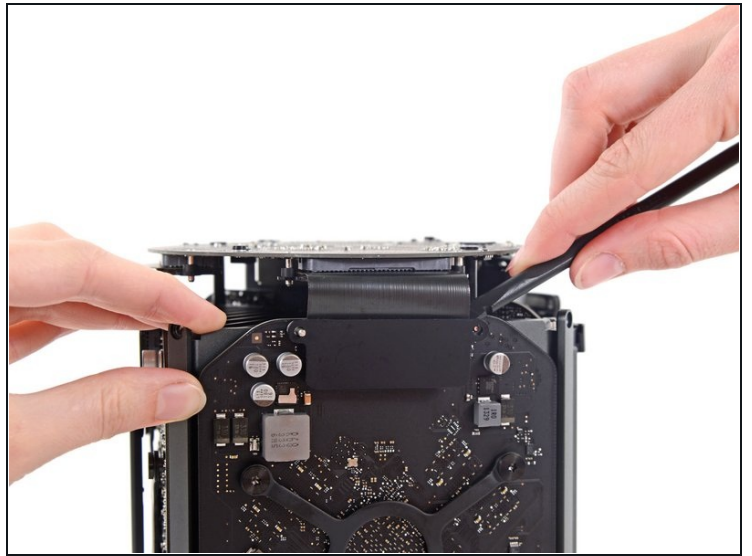
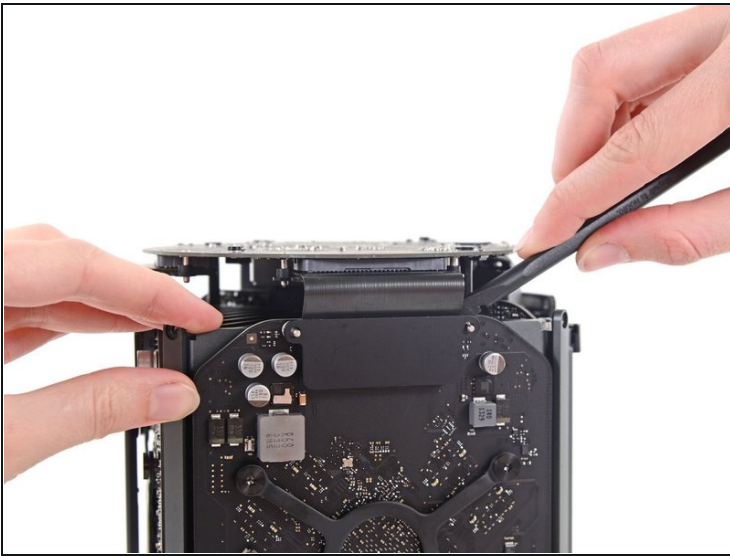
- Remove five 5.1 mm T10 Torx screws from the outer perimeter of the lower case.

## Step 10



- Carefully lift the lower case up and remove it from the Mac Pro.

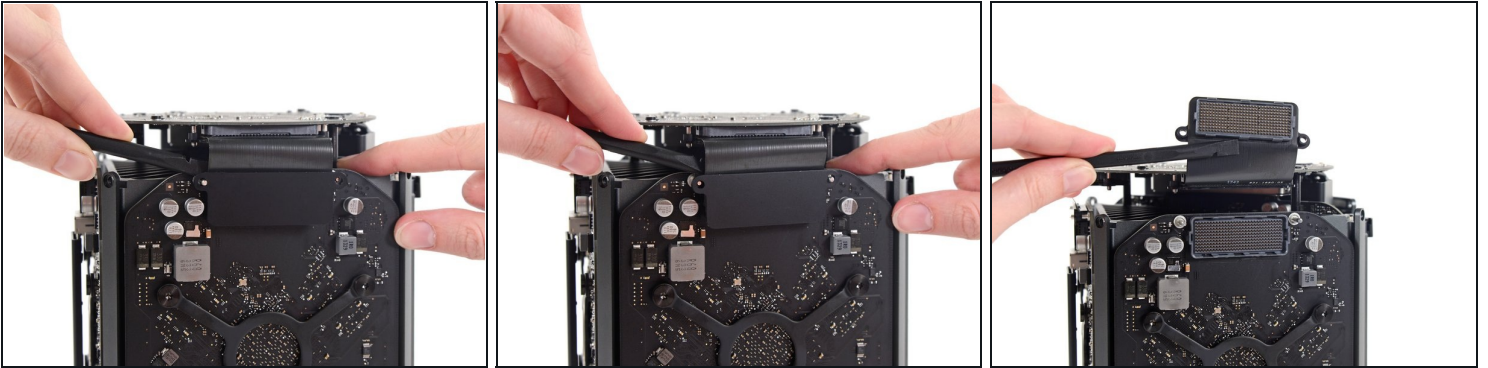
## Step 11 — Interconnect Board



- Use the flat end of a spudger and a twisting motion to gently separate one side of the graphics card data connection.



## Step 12



- Gently separate the other side as well.
- Flip the connector up and out of the way of the graphics card.
- ① Repeat this procedure on the other graphics card.

## Step 13



- Remove the two 6.0 mm T8 Torx screws securing the interconnect board to the heat sink.



## Step 14

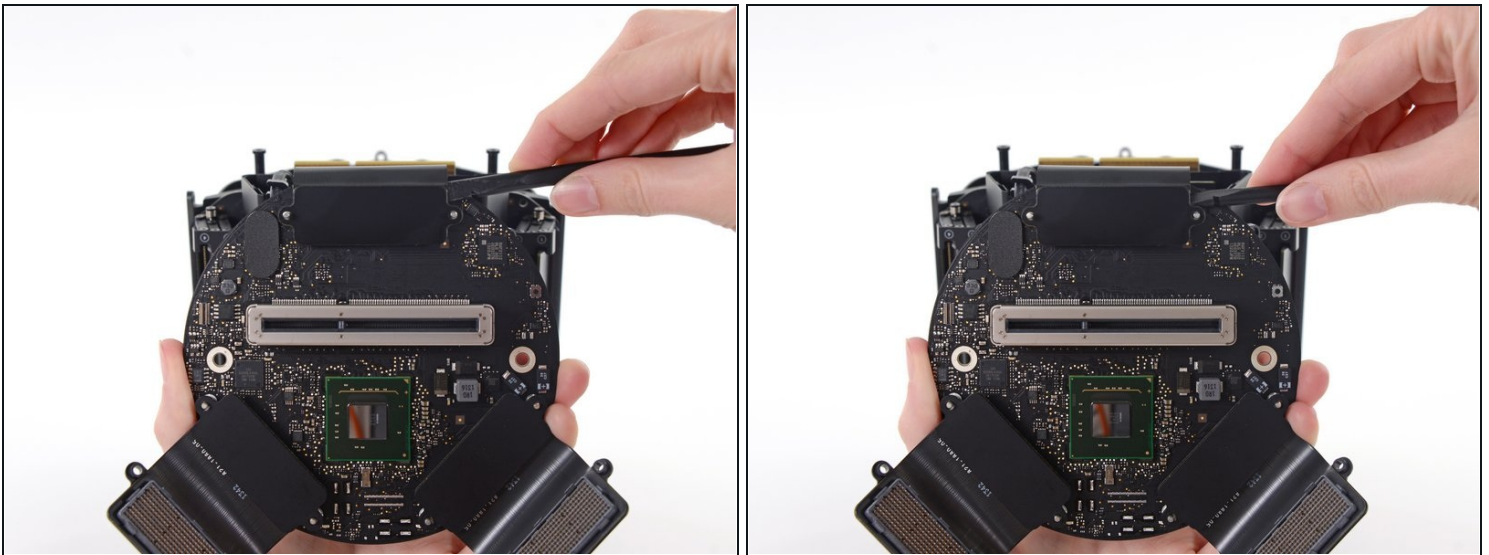


- Gently walk the interconnect board straight up off the logic board's slot connection.

ⓘ It is recommended to lift one side and then the other.

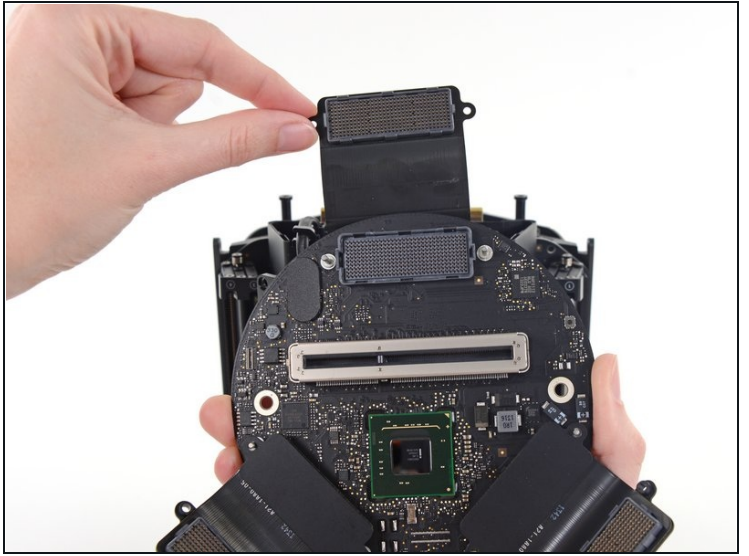
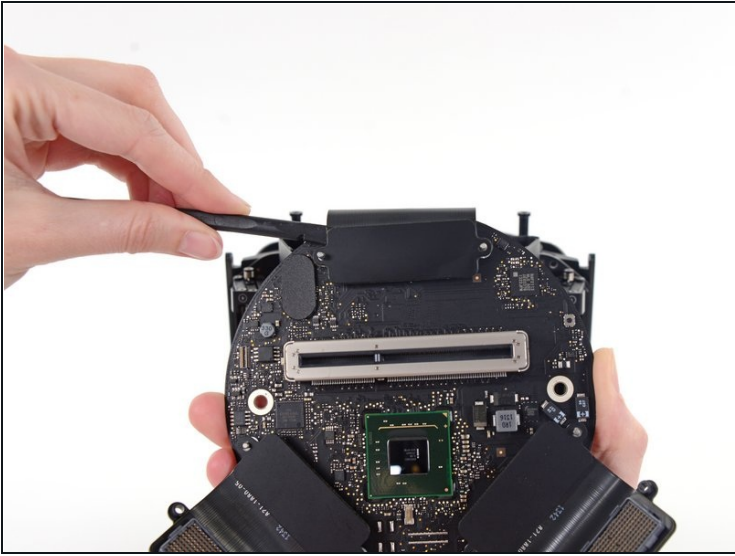
⚠ Do not try to remove the interconnect board from the Mac Pro yet, as it is still connected to the IO board.

## Step 15



- Flip the interconnect board up and over, exposing the IO board data cable.
- Use the same sort of twisting and spreading motion with the flat end of a spudger to separate one side of the IO board data cable.

## Step 16



- Use the flat end of a spudger to separate the other side of the IO board data cable.
- Bend the cable out of the way and remove the interconnect board from the Mac Pro.

## Step 17 — Power Supply Assembly



- Flip the Mac Pro back over and set it gently on a flat surface.
- ⓘ We recommend laying the Mac Pro on the corner of the heat sink and the two standoff screw posts that attach to the interconnect board.

## Step 18



- Remove the two 3.6 mm T5 Torx screws from the sides of the power supply cage (one on each side).

## Step 19



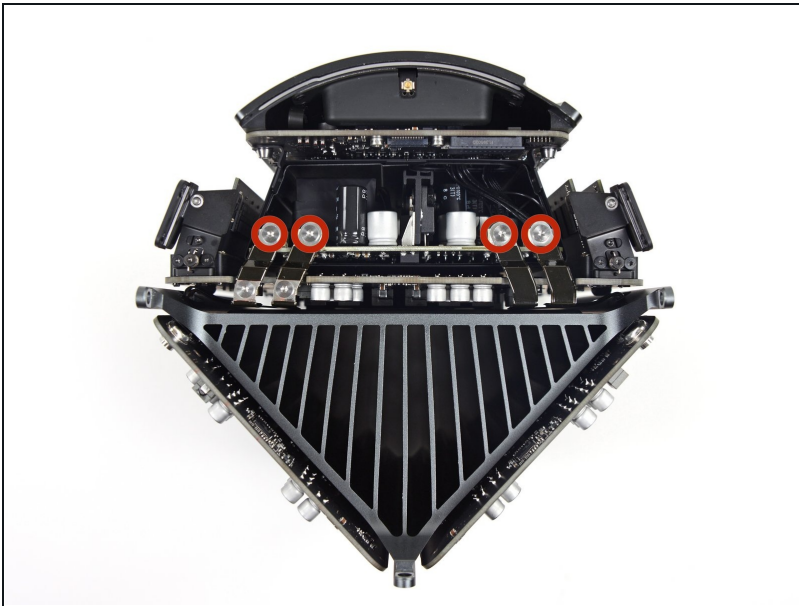
- Remove the power supply cage from the top of the power supply.

⚠ By removing this cage, you are exposing internal components of the power supply. Be very careful not to touch any of the power supply components or circuitry.

- ⓘ Be careful not to drop any screws or tools into the power supply, as this may damage the power supply.

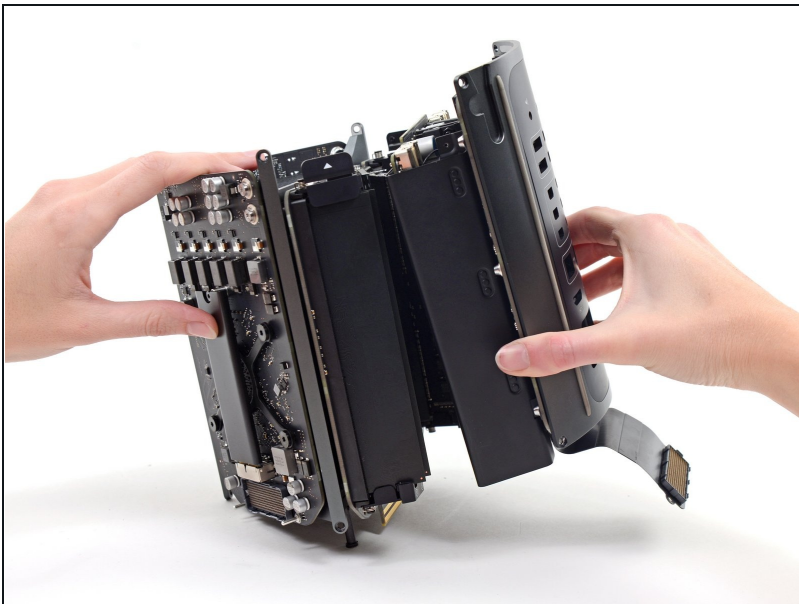


## Step 20



- Remove the four 5.5 mm T8 Torx screws securing the power supply assembly to the Mac Pro.

## Step 21



- Remove the power supply assembly from the Mac Pro.

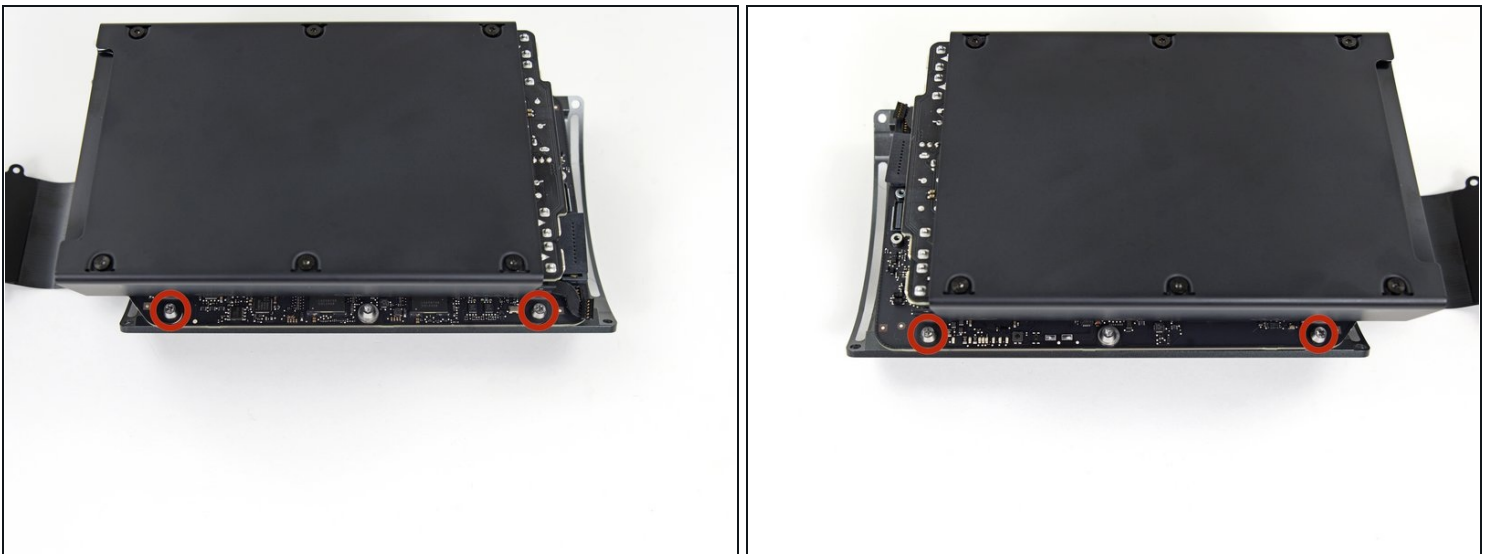
## Step 22 — Power Supply



- Use the flat end of a spudger to disconnect the power supply DC-Out connector from its socket on the IO board.
- Use the tip of a spudger to disconnect the power supply data cable from its socket on the IO board.

⚠ For both cables, make sure to pry straight up on the connector, and **not** the socket.

## Step 23



- Remove the four 9.0 mm silver T10 Torx screws from the sides of the power supply.
- ① The power supply overhangs these screws somewhat, so you'll need to use a fixed screwdriver at a bit of an angle.

## Step 24



- Gently shift the power supply to free the AC power inlet cable out of its plastic clip.

⚠ Be careful not to try to separate the power supply from the IO board assembly just yet, as it is still connected by the AC power inlet cable.

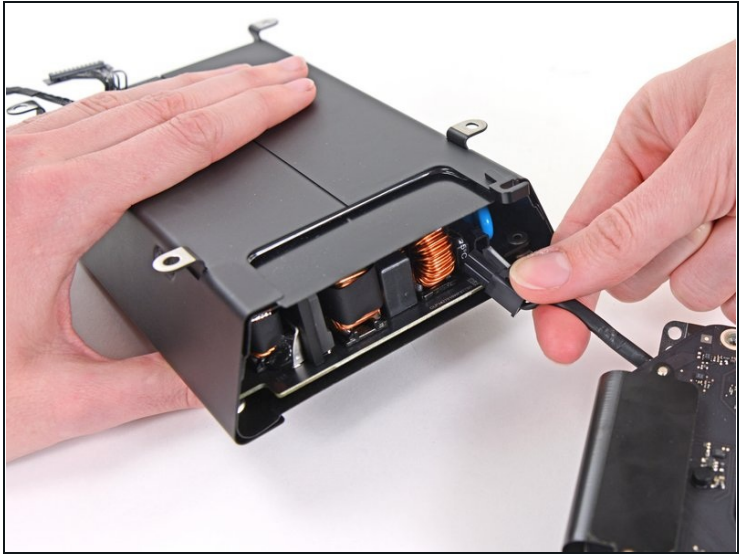
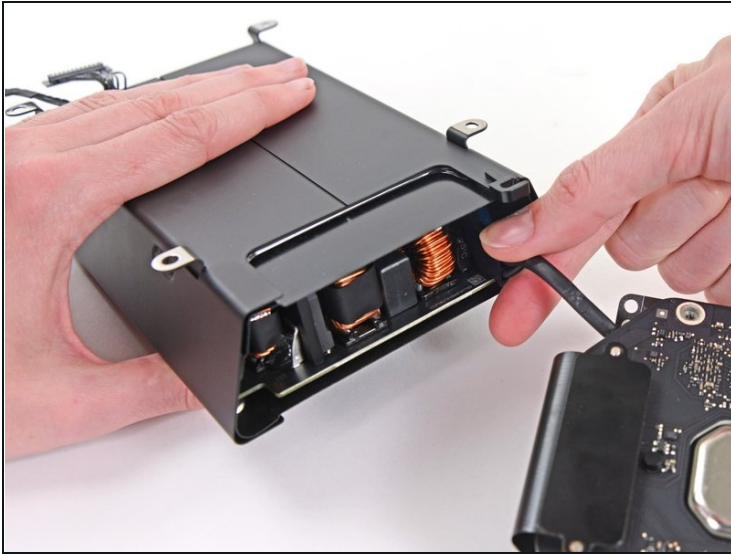
## Step 25



- Flip the power supply back to expose the AC power inlet cable.

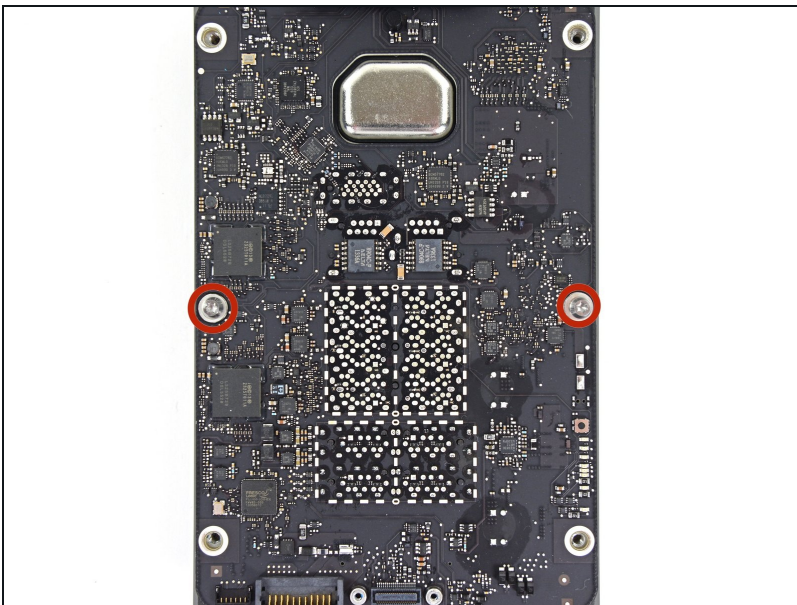


## Step 26



- Squeeze the AC power inlet cable connector and pull it straight out of its socket in the power supply.

## Step 27 — IO Board



- Remove the two 9 mm silver T10 Torx screws securing the IO Board to the IO shield.

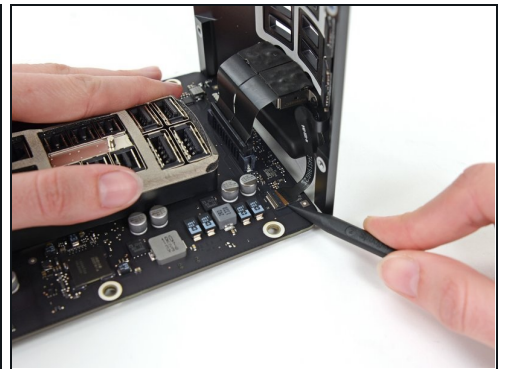
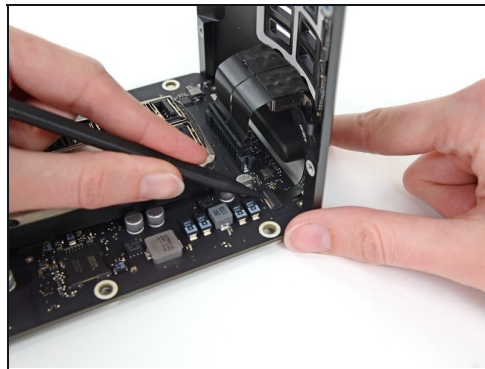
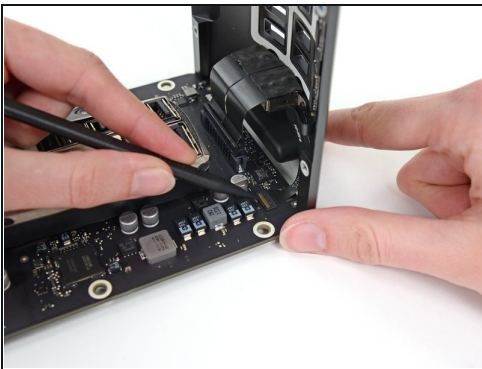
## Step 28



- Lift the IO board up from the IO shield from the end with the AC plug.

⚠ Do not attempt to completely separate the IO board from the IO shield, as there are still two cables connecting the two components.

## Step 29



- ① Set the assembly down on a flat surface to access the connectors on the IO board.
- Use the tip of a spudger to flip the retaining flap on the IO shield ribbon cable ZIF connector.
- Disconnect the IO shield ribbon cable.

## Step 30



- Squeeze and pull the audio jack ribbon cable connector from the IO board.

## Step 31 — AC Socket



- Remove the four 6.5 mm T4 screws (with washers) from the flange around the AC socket.



## Step 32



- Remove the AC socket from the IO panel.

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