



Altec Lansing inMotion iM9 Motherboard Replacement

Altec Lansing inMotion iM9 motherboard replacement.

Written By: Kirsten Mork



INTRODUCTION

Replacing the motherboard will require soldering skills. If you need help soldering, check out the [soldering guide](#). The motherboard is very embedded within the device and will require a spudger and Phillips #1 screw driver to separate it.



TOOLS:

- [Phillips #1 Screwdriver](#) (1)
- [Spudger](#) (1)
- [Soldering Iron](#) (1)



PARTS:

- [Desoldering Braid](#) (1)

Step 1 — Battery



- Gently push down on the two tabs at the top of the battery door.
- While holding them down, slowly pull the door towards you.

Step 2



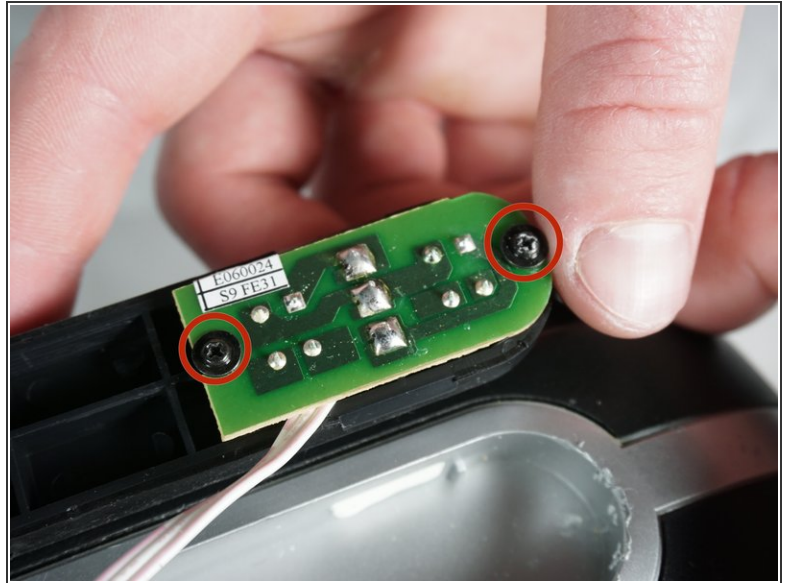
- Once the door is open, use your hand to pull out the four batteries.

Step 3 — Volume and Power Buttons



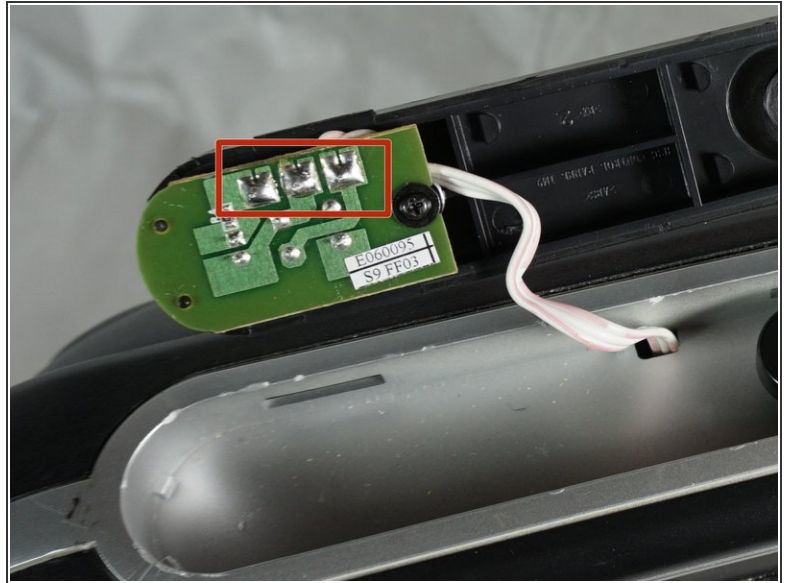
- Pry off the control panel on top of the speaker using the metal spudger. You may need to use a lot of force.
- ⓘ Start in the middle and work your way around the perimeter.

Step 4



- Using a Phillips #1 screwdriver, remove the two 7mm screws that hold the volume button circuit board to the control panel.
- Also remove the single 7mm screw from the power button circuit board on the opposite side.
- ⓘ There will be a little plastic piece under the eject button that you can just remove and set aside.

Step 5



- Desolder the three solder joints connecting the wires to the volume button circuit board.
 - Do the same to the power button circuit board on the other side (the board with only one screw).
 - Pull out the wires using a lot of force.
- ⓘ If you are not familiar or comfortable with soldering, use this [guide](#)

Step 6 — Case Opening



- Gently pry open the silver plastic lining of the iPod dock using the plastic spudger.
- It is best to start from the top or bottom, then work your way around if it has not popped out yet.
- Remove the silver lining.

Step 7



- Pry open the metal mesh by working the plastic spudger around the inside of the mesh.
- Once loose, lift up the metal mesh.

Step 8



- Remove the fourteen 30mm screws with Phillips #1 Screwdriver.
- Remove the 7mm screw with the Phillips #1 Screwdriver.

Step 9



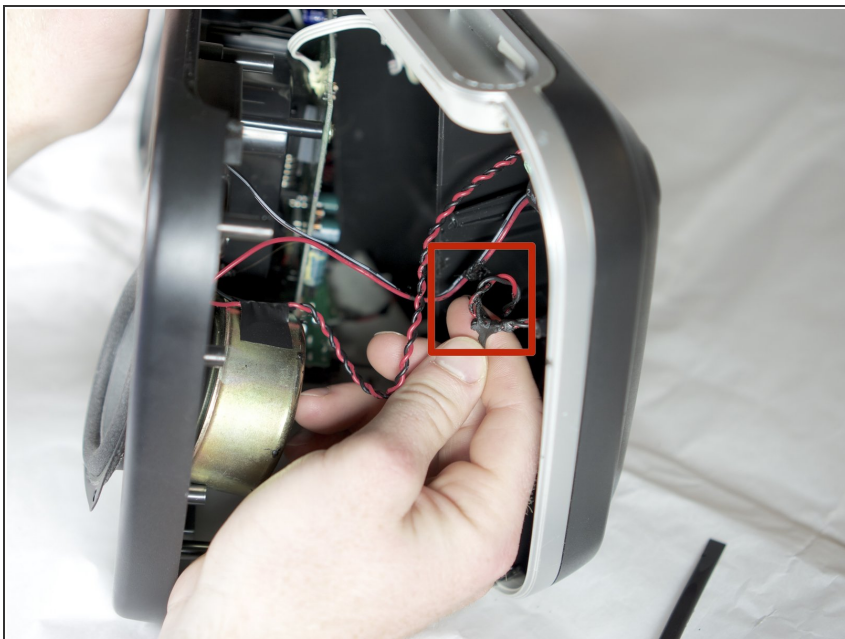
- Carefully separate the front and back case plates at a corner of the speaker.
- ⚠ Lots of cables are still connected, so be very gentle when separating case plates.

Step 10



- Guide the white button cables through the hole on the top of speaker case.

Step 11



- Use your fingers to peel the glue off of the red and black cables.

Step 12



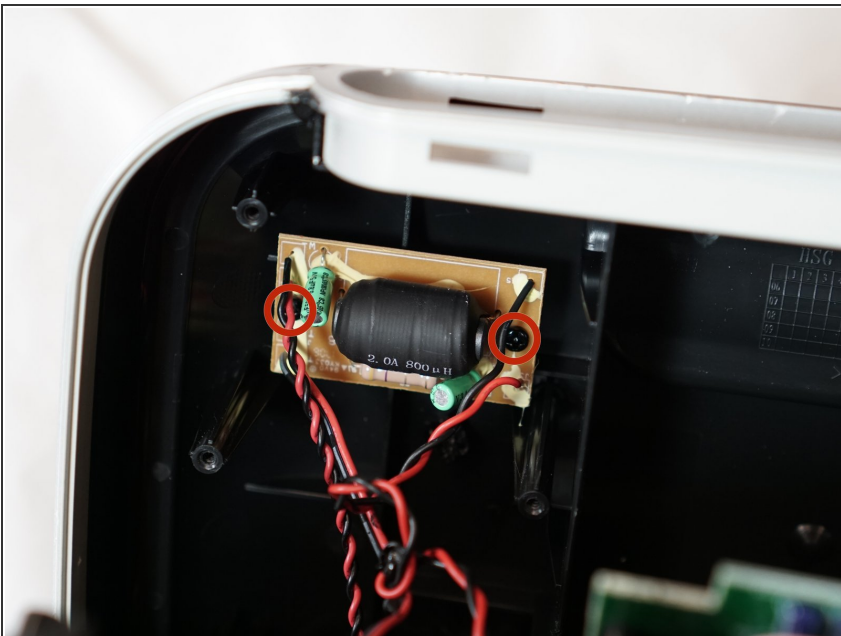
- ⚠ Careful not to touch the green capacitors or you might shock yourself.

Step 13 — Motherboard



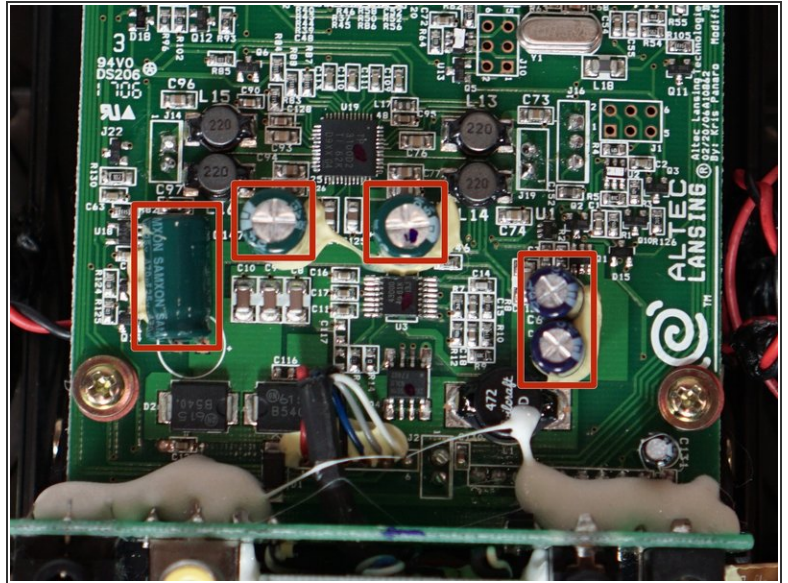
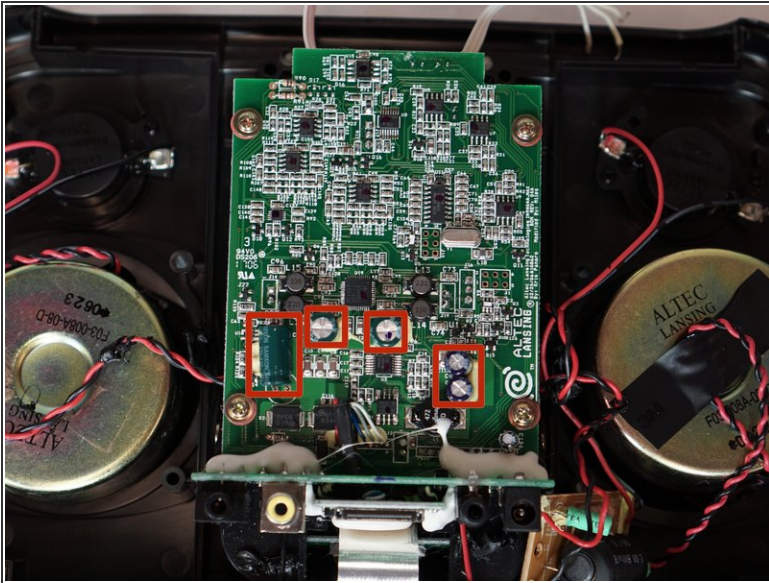
- Using a Phillips #1 screwdriver, remove the two 7mm screws from the filter.

Step 14



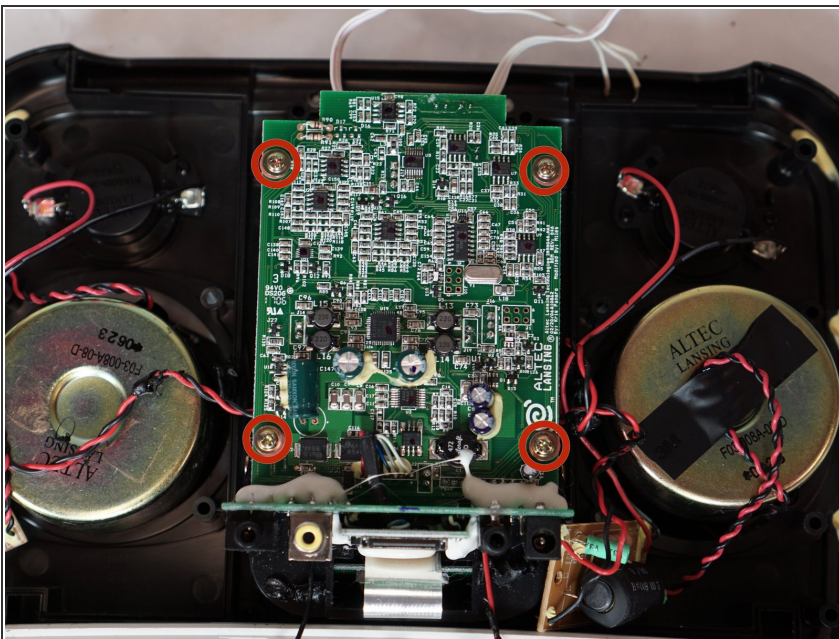
- Repeat the previous step on the other side of the speaker. There are two more 7mm screws on the filter mirroring the first.
- ⚠ Don't touch the green capacitors; you might get shocked.

Step 15



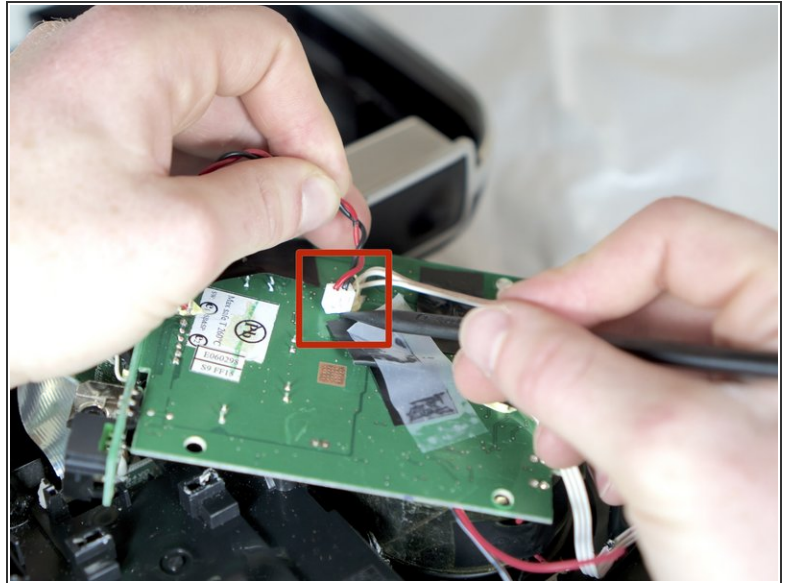
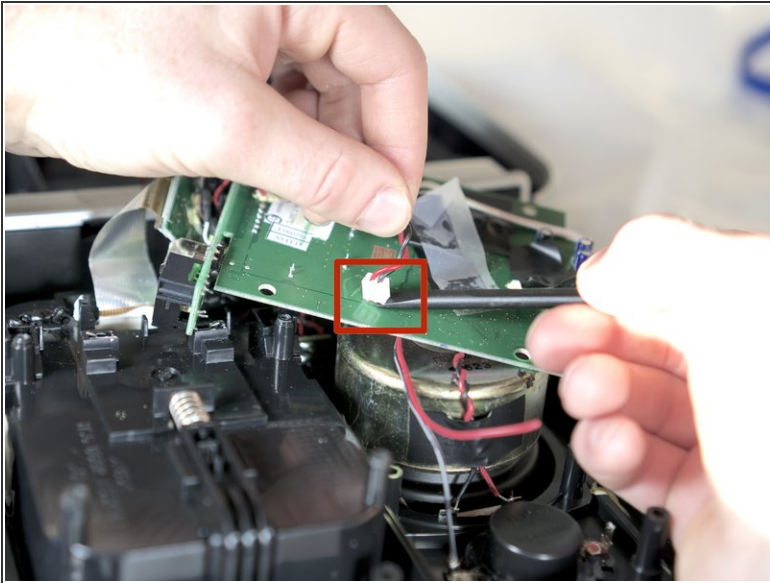
⚠ Don't touch the green capacitors. They might shock you.

Step 16



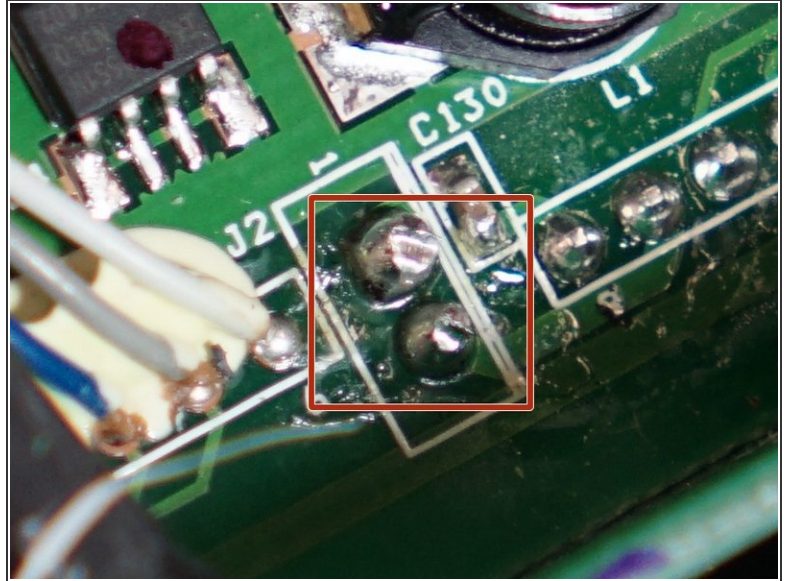
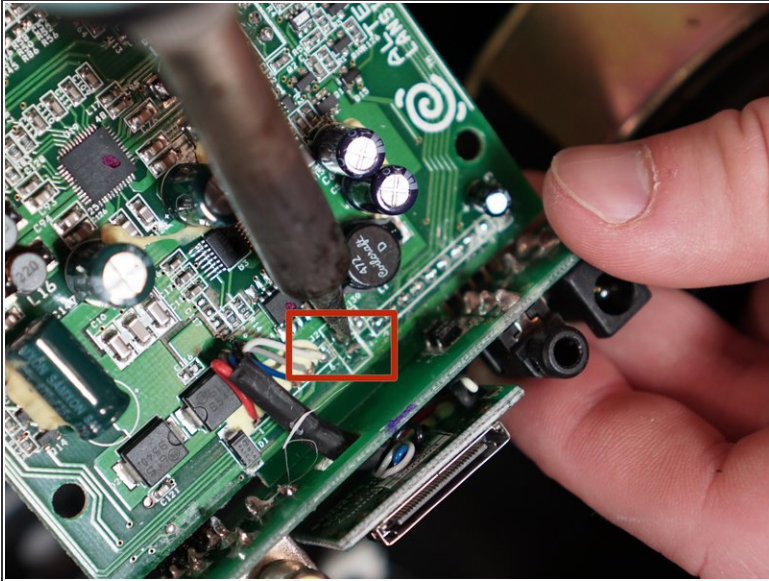
- Using the Phillips #1 screwdriver, remove the four 10mm screws from the corners of the motherboard.

Step 17



- On the back side of the motherboard, pry out the connector to the filter using the plastic spudger. You will have to use a lot of force.
- Pry out the second connect to the filter similarly.

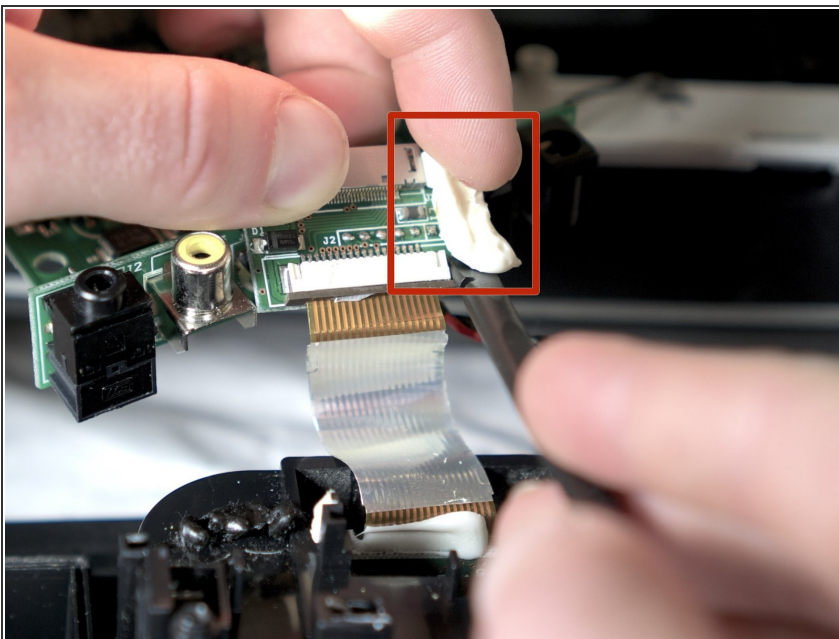
Step 18



- Desolder the two battery connections from the motherboard.

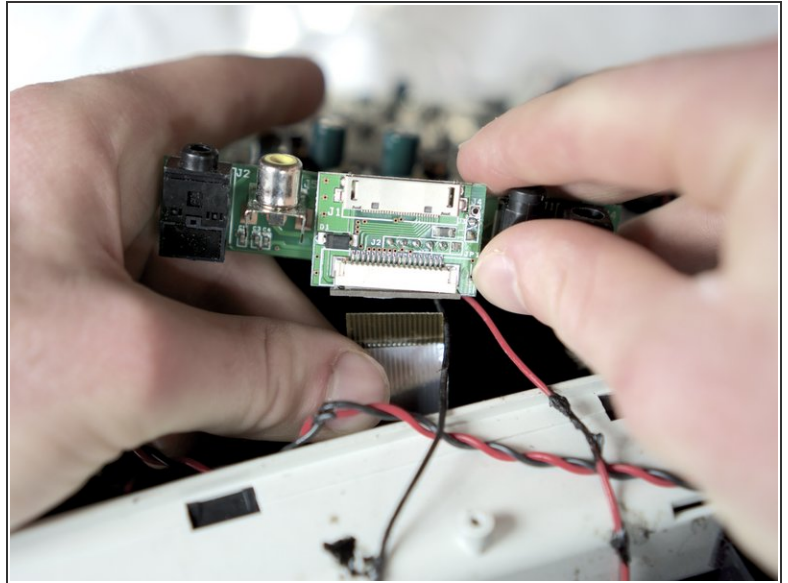
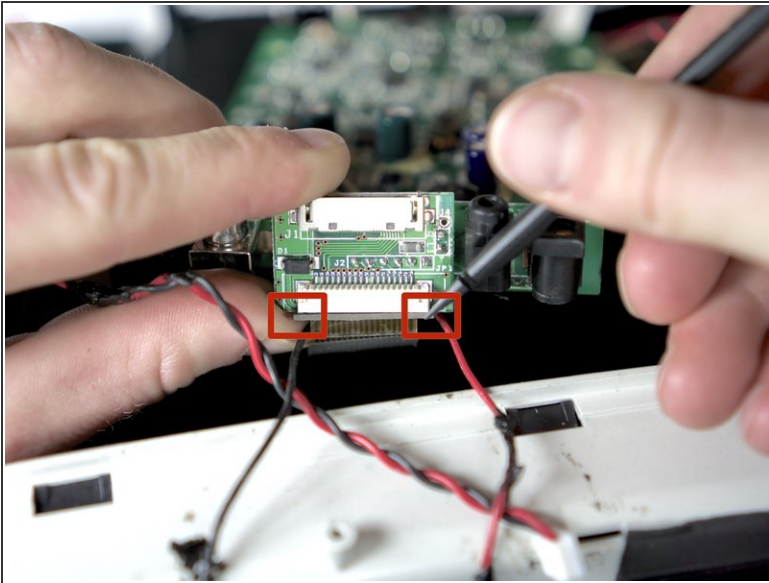
⚠ Do not touch capacitors to avoid being shocked.

Step 19



- Use the pointed end of the plastic spudger to pry the glue off of the iPod dock. You will probably have to use some force.

Step 20



- Unlock the ribbon cable dock by pressing down on the two tabs at the bottom of the dock.
- Detach the copper ribbon cable by gently pulling it down, freeing the motherboard completely.

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