



# Acer Chromebook C740 Motherboard Replacement

Replace the Acer Chromebook C740 motherboard.

Written By: William Yu



## INTRODUCTION

The motherboard replacement for the Acer Chromebook C740 requires removing the back panel, unplugging several connectors, and removing several screws. The motherboard is the main circuitry for the laptop.



### TOOLS:

- [Spudger](#) (1)
- [iFixit Opening Tools](#) (1)
- [Phillips #0 Screwdriver](#) (1)



### PARTS:

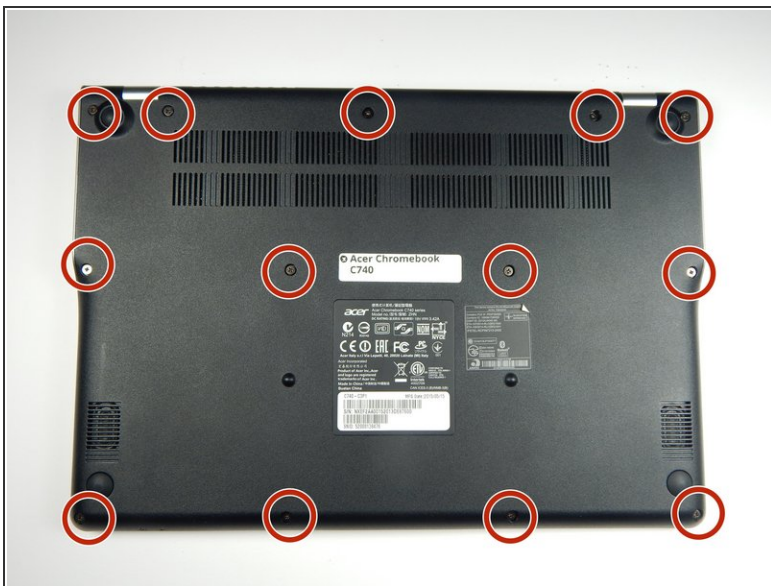
- [Acer Chromebook C740 Motherboard](#) (1)
- [Acer Chromebook C740 Heat Sink and Cooling Fan](#) (1)

## Step 1 — Back Panel



- Power down the Chromebook and disconnect the power adapter.

## Step 2



- Place the chromebook bottom side up on a flat surface.
- Remove the thirteen 7 mm screws with a Phillips #0 screwdriver.



## Step 3



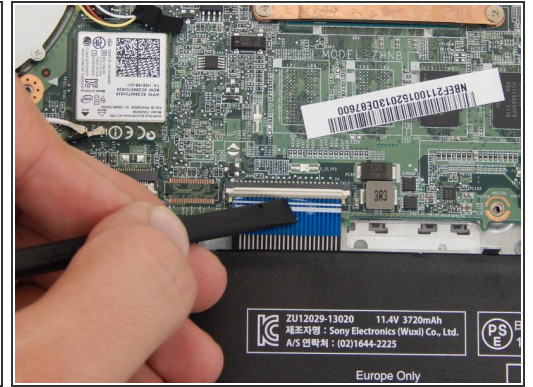
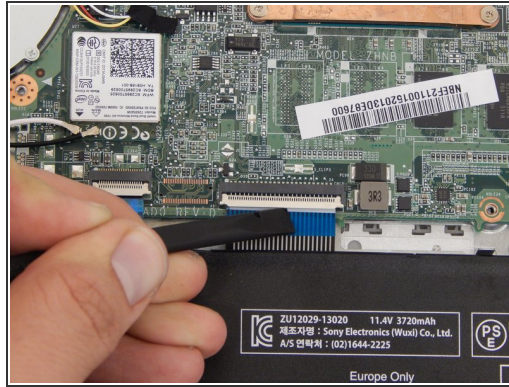
- Insert the plastic opening tool into the slit near the hinges and pry upwards to lift the back panel.
- ① Applying pressure may be necessary. A click indicates the panel is ready to come off.

## Step 4 — Motherboard



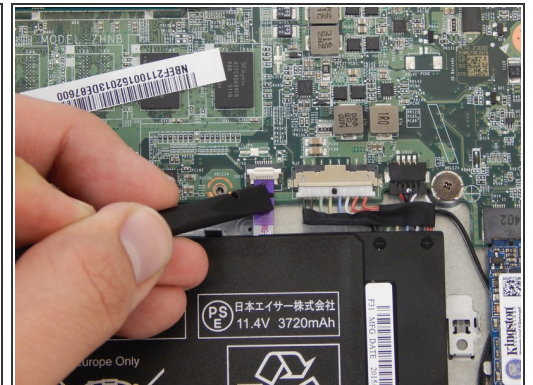
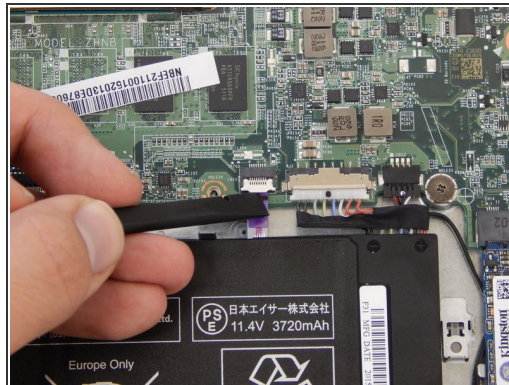
- Flip up the clip holding down the white cable using the spudger.
- Pull the cable outwards towards the battery.

## Step 5



- Flip up the clip holding down the white cable using the flat end of the spudger.
- Pull the cable outwards towards the battery.

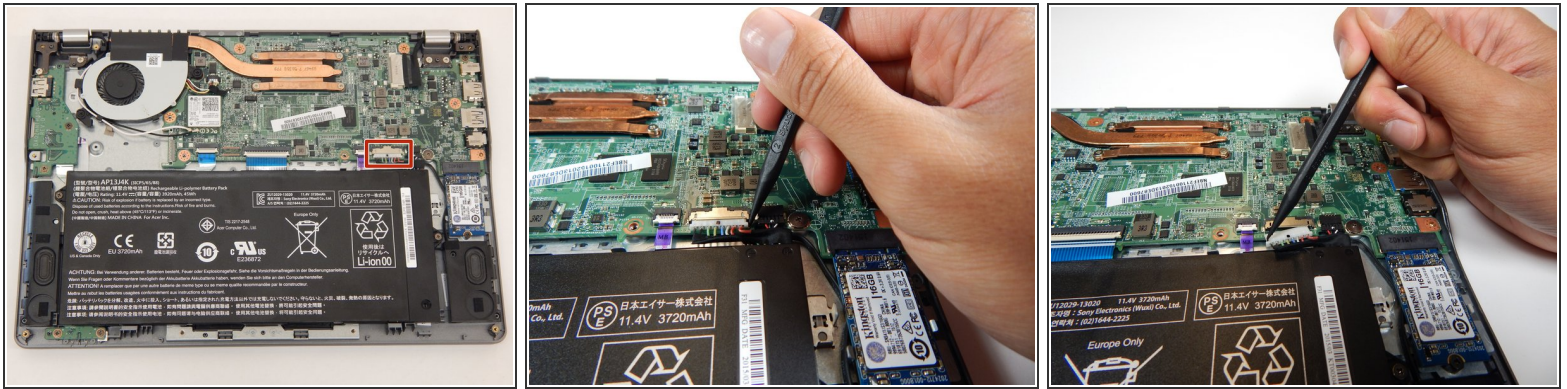
## Step 6



- Flip up the white clip holding down the connector labelled "MB" using the flat end of the spudger.
- Remove the connector by pulling out towards the battery.

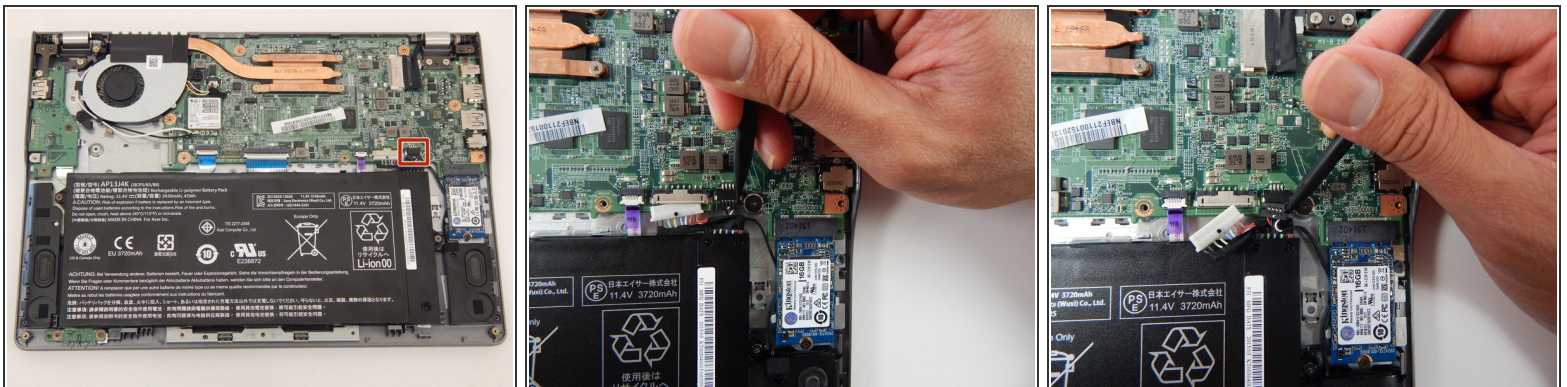


## Step 7



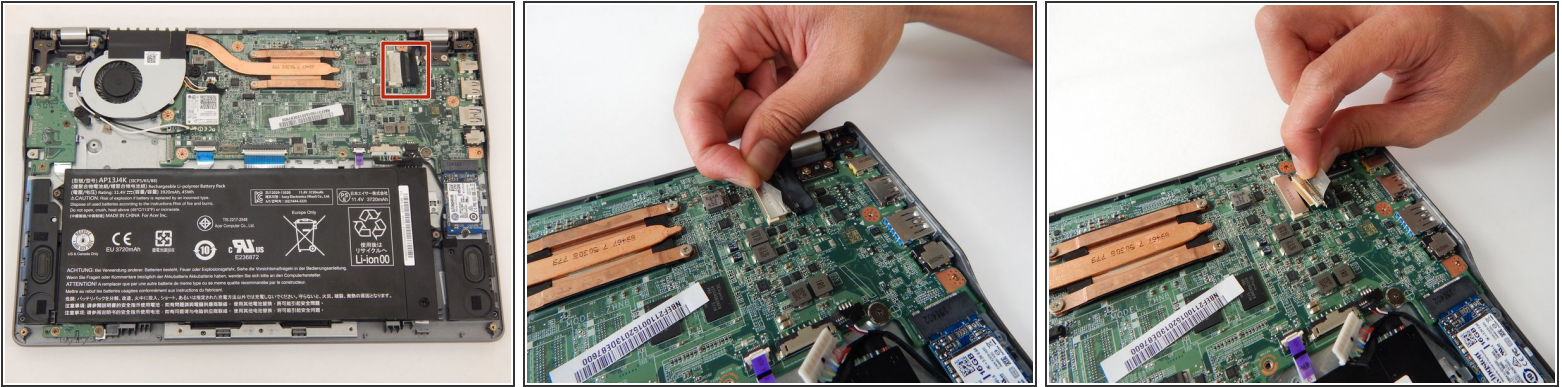
- Unplug the white 8-wire battery connector from the motherboard by using a spudger to push the two L-shaped indentations towards the battery.
- ⓘ The connector is a tight fit. This process requires going back-and-forth between the two indentations and plenty of patience.

## Step 8



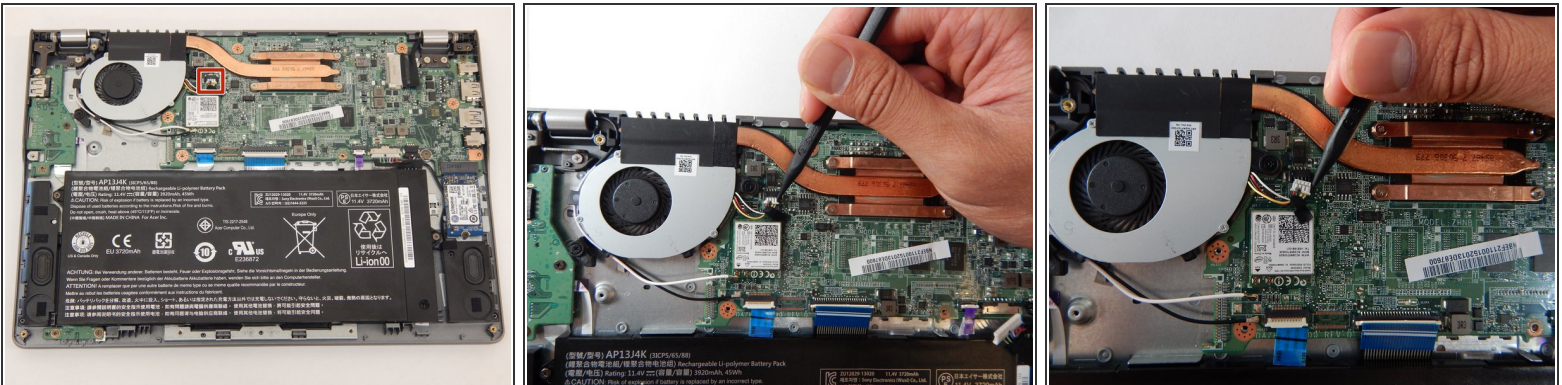
- Unplug the black connector attached to the motherboard at the top right of the battery by using a spudger to push the two L-shaped indentations towards the battery.

## Step 9



- Peel back the tape covering the white connector at the top-right of the motherboard.
- Remove the connector from its fitting by pulling outwards.

## Step 10



- Unplug the white connector attached to the right of the fan with the spudger by applying force towards the battery on the two L-shaped indentations.



## Step 11



- Disconnect the two white and black wires by holding close to the metal snap-on caps and pulling upwards.

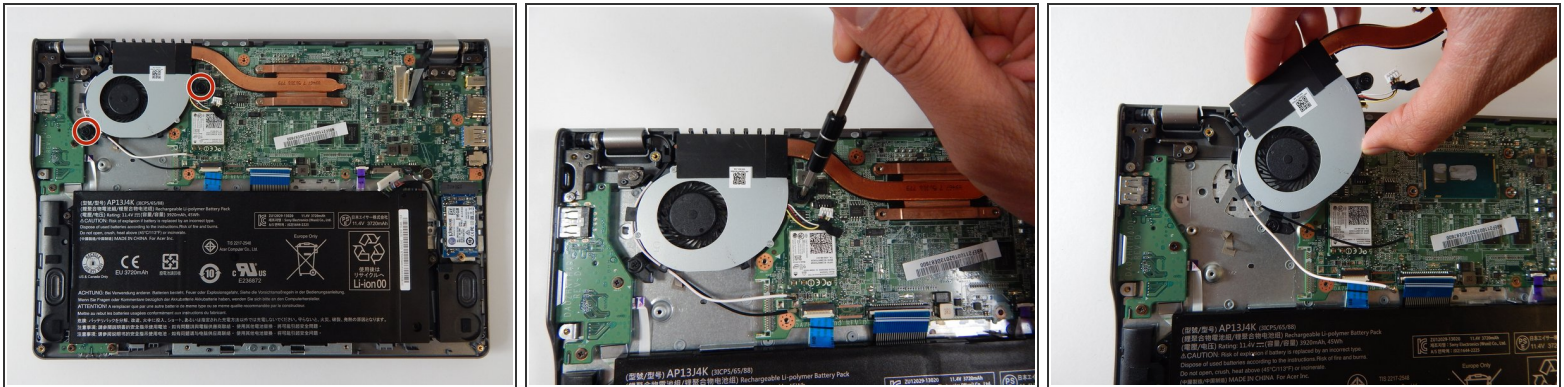
## Step 12



- Remove the four 3.7 mm screws with a Phillips #0 screwdriver.

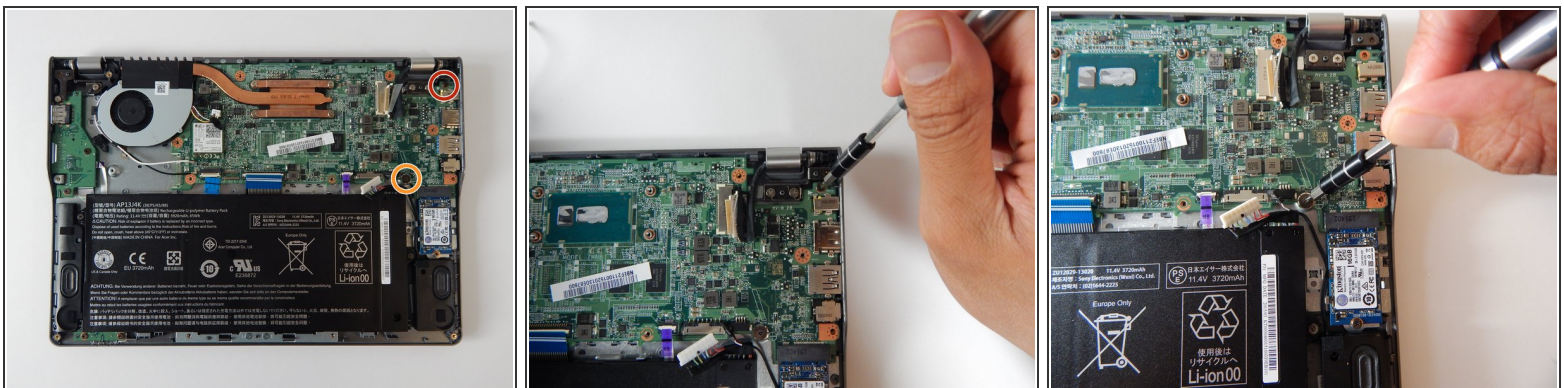


## Step 13



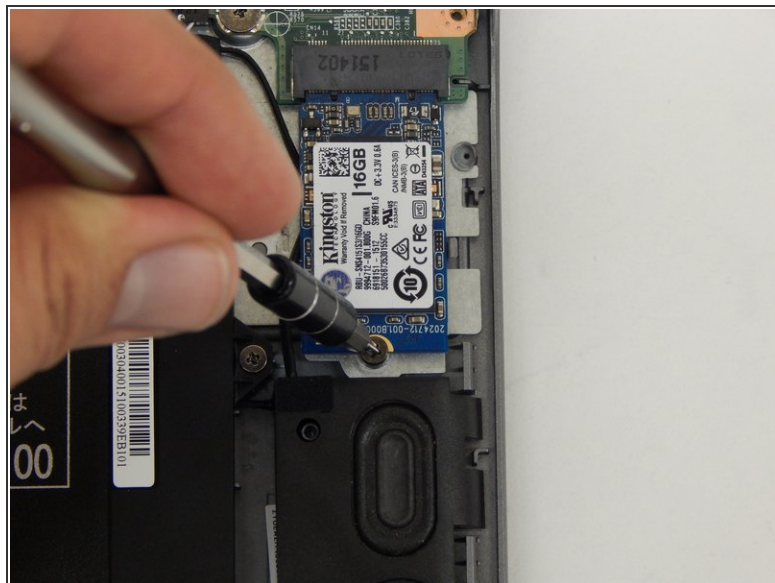
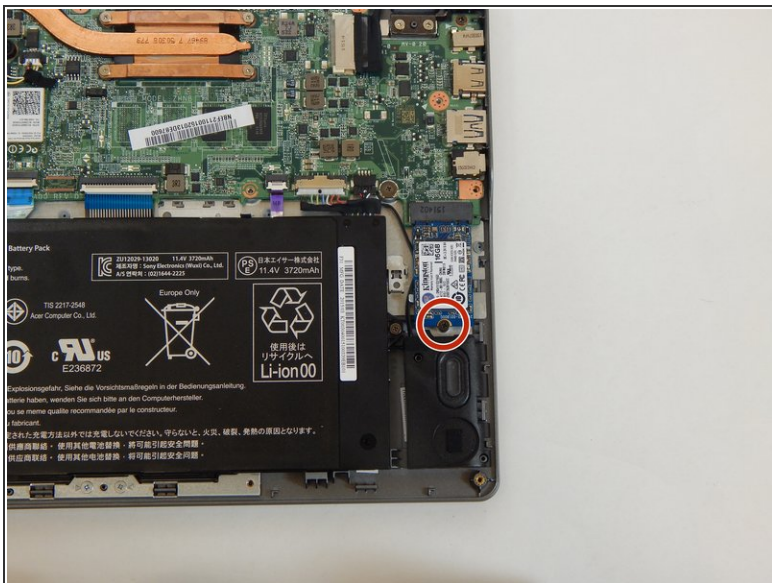
- Loosen the two black screws with a Phillips #0 screwdriver.
  - ⓘ These screws cannot be removed. However, simply loosening them allows the heatsink fan to lift away from the motherboard.
- Lift the heatsink fan and rotate it away from the mother board to set down outside the laptop.

## Step 14



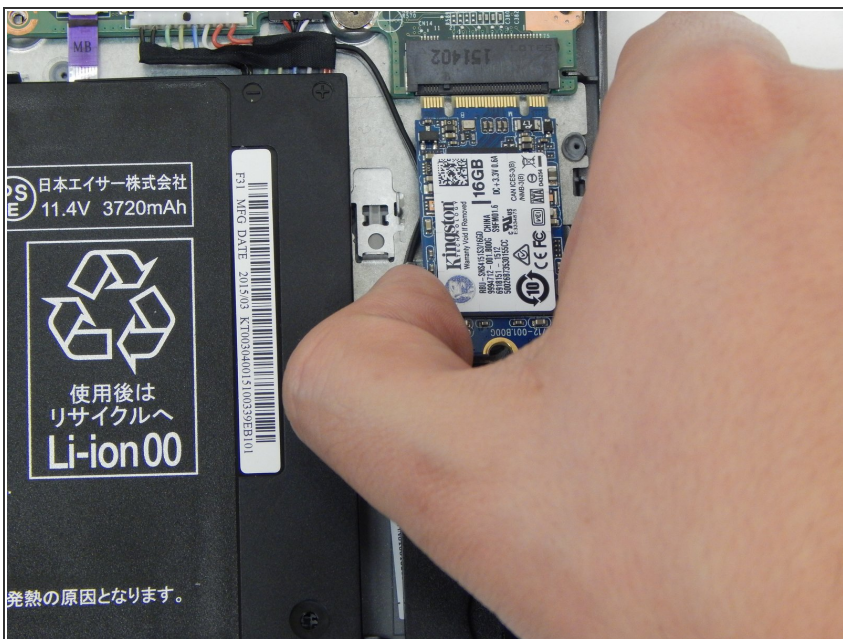
- Remove the 3.63 mm screw in the top right near the hinge with a Phillips #0 screwdriver.
- Remove the 3.75 mm screw near the top right corner of the battery with a Phillips #0 screwdriver.

## Step 15



- Remove the 3.75 mm screw with a Phillips #0 screwdriver.

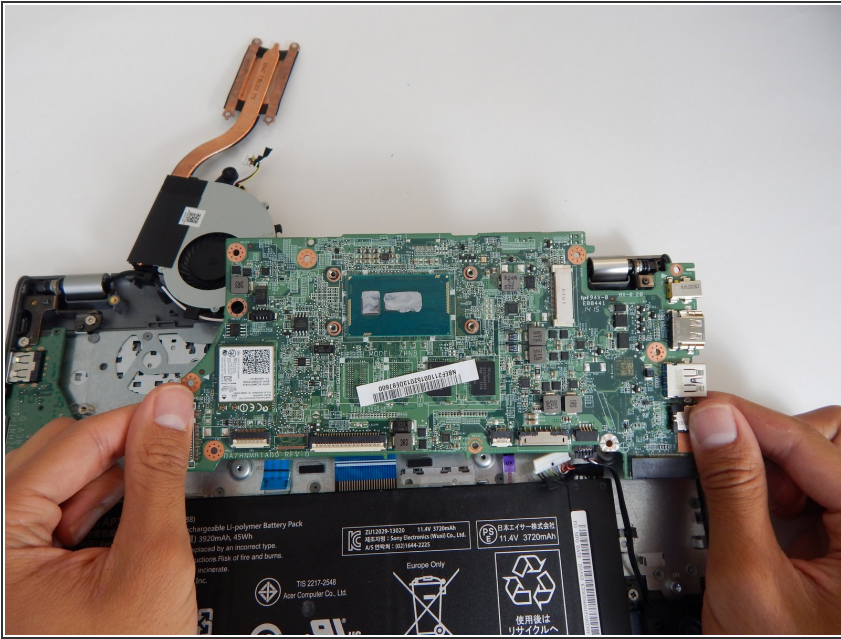
## Step 16



- Unplug the solid state drive.



## Step 17



- Carefully lift the motherboard away from the laptop with two hands.

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