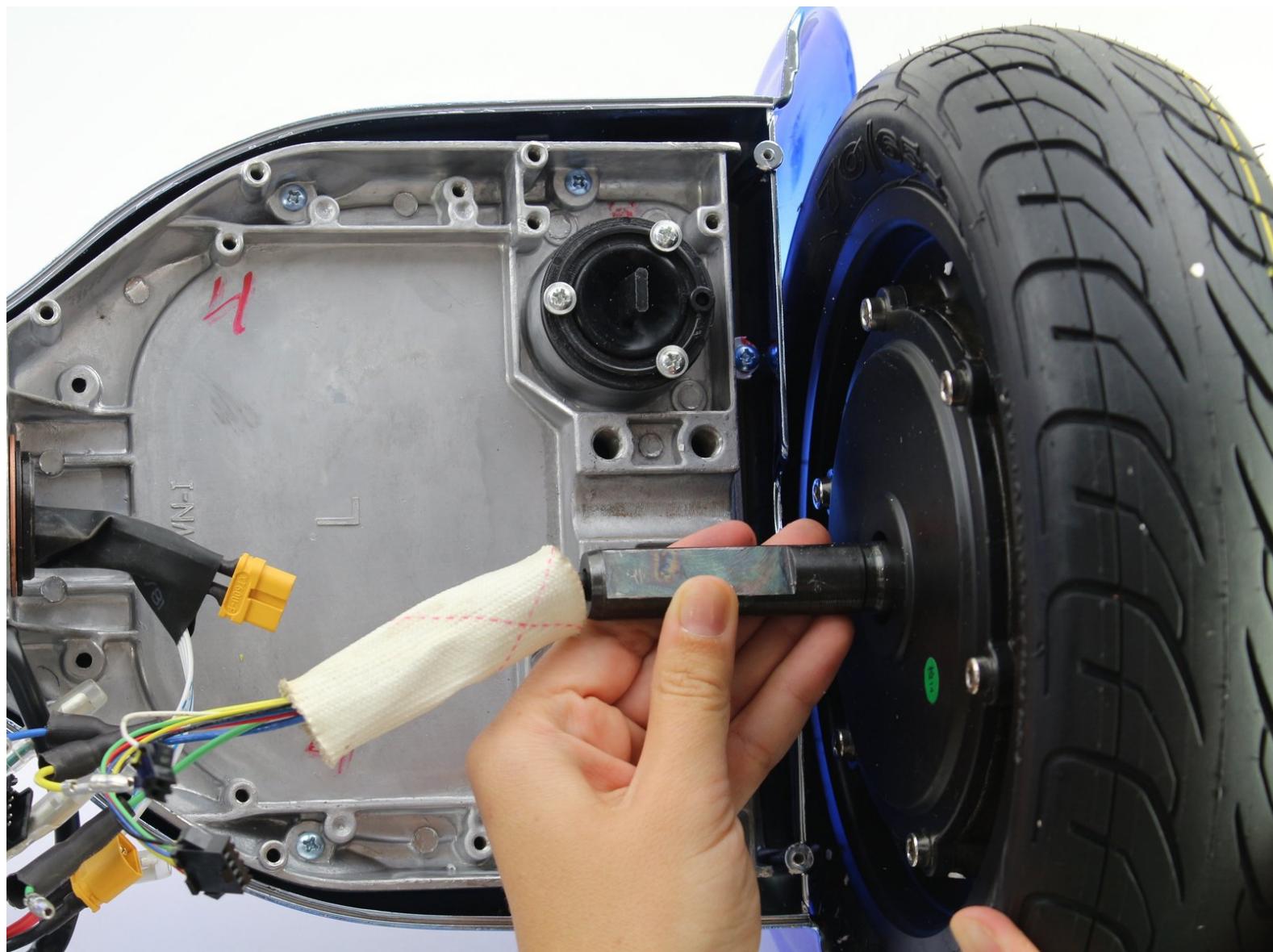




# Hover-1 Titan Wheel and Motor Replacement

How to replace the wheel and motor on the Hover-1 Titan.

Written By: Emma Huun



## INTRODUCTION

If the wheel of your hoverboard is damaged or your hoverboard does not spin on one side, use this guide to replace the wheel and motor in the Hover-1 Titan.

### TOOLS:

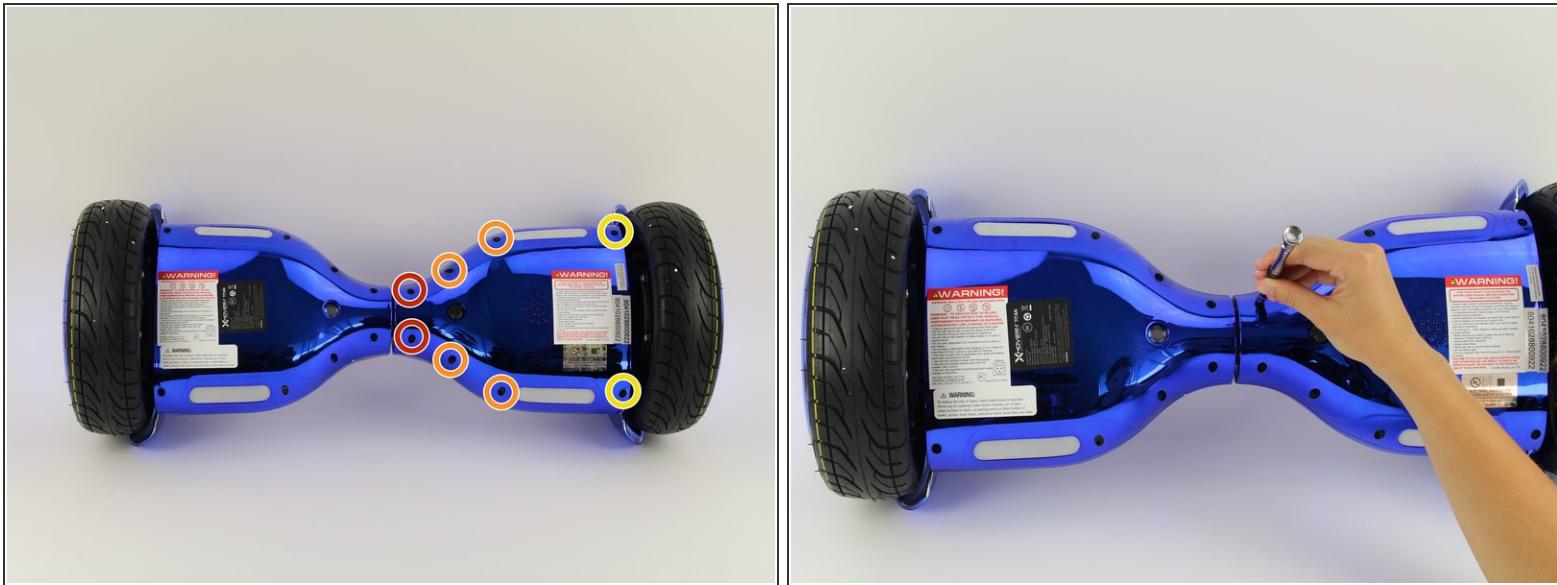
- [Impact Driver](#) (1)
- [Utility Scissors](#) (1)
- [Pocket knife](#) (1)
- [Phillips #1 Screwdriver](#) (1)

## Step 1 — Bottom Left Panel



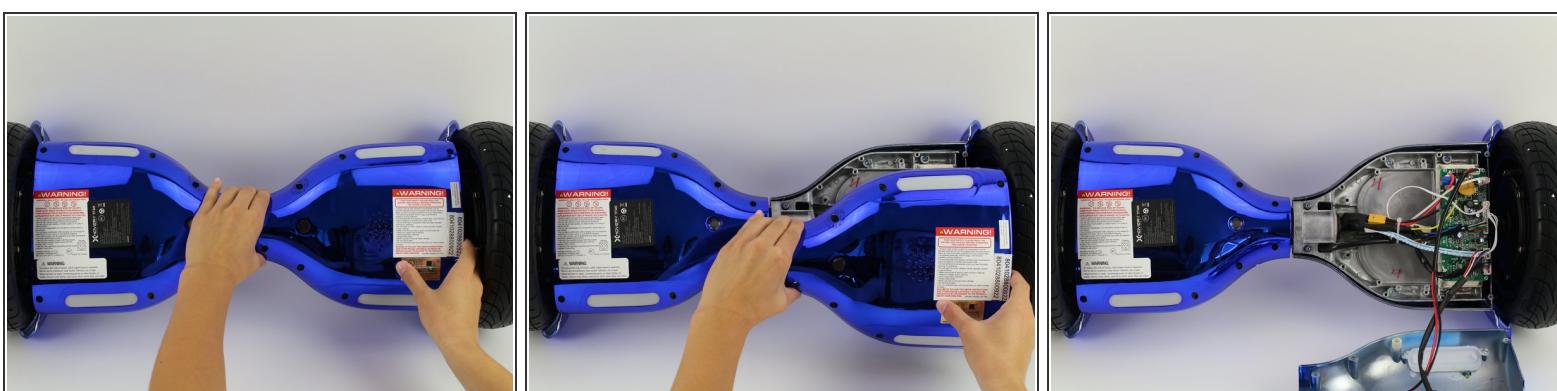
- Flip the hoverboard so the bottom is facing up.
- ⓘ The left side is the side that has the charge port. There is also an "L" on the metal plate underneath the wires.

## Step 2



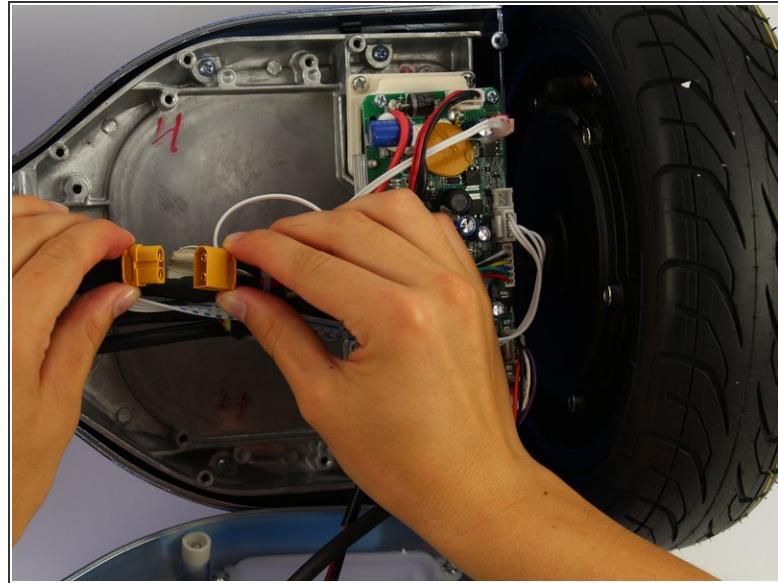
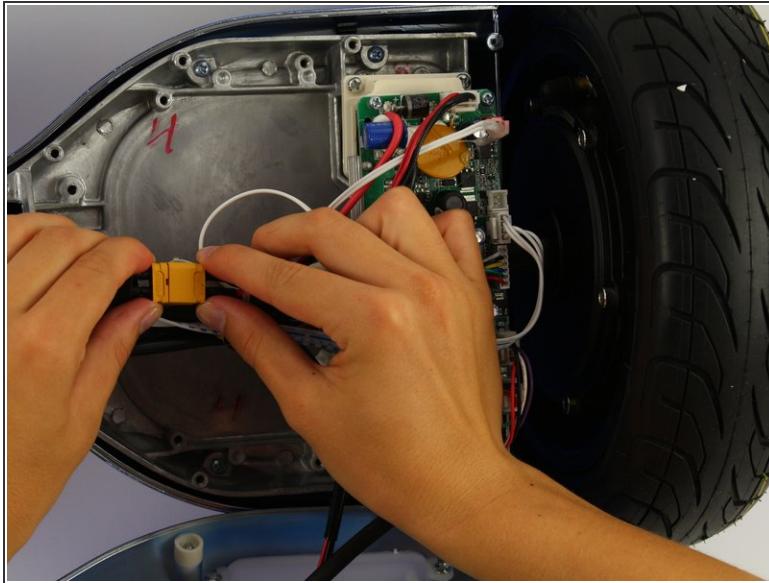
- Using a Phillips #1 screwdriver, remove the two 14 mm screws located closest to the center of the hoverboard.
- Using a Phillips #1 screwdriver, remove the four 12 mm screws located in the middle of the panel.
- Using a Phillips #1 screwdriver, remove two 15 mm screws located closest to the wheel.

## Step 3



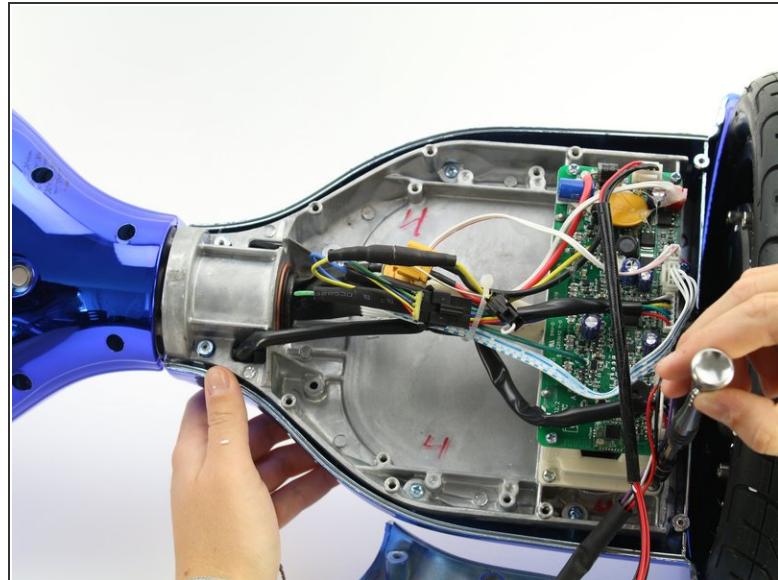
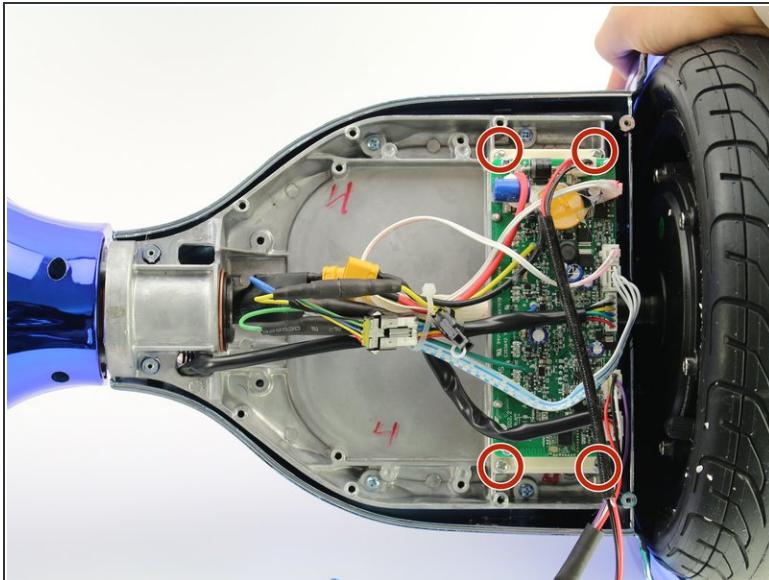
- Grip the bottom left panel and lift up to remove.

## Step 4 — Wheel and Motor



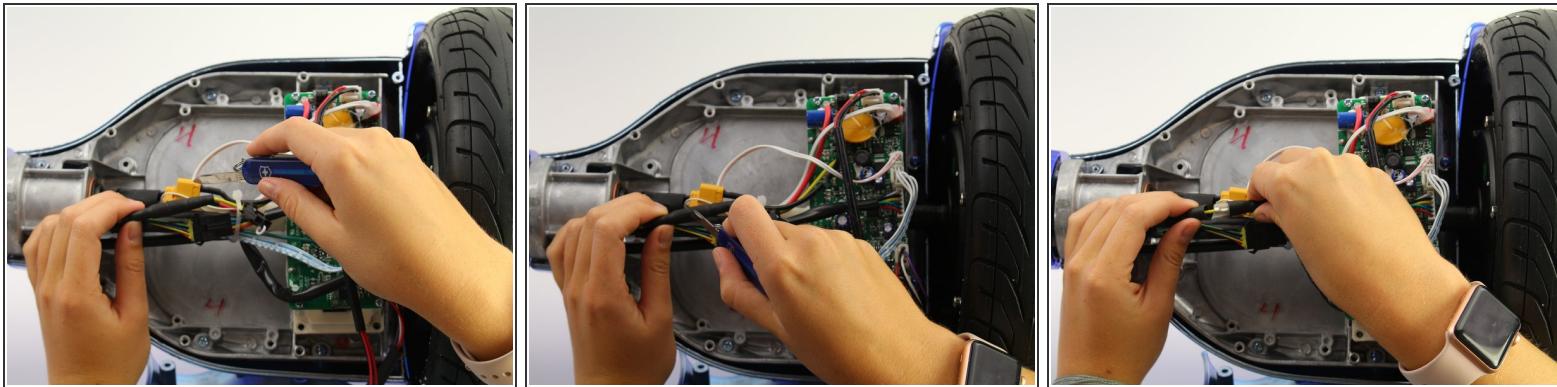
- Unplug the battery by pulling apart the yellow connectors.

## Step 5



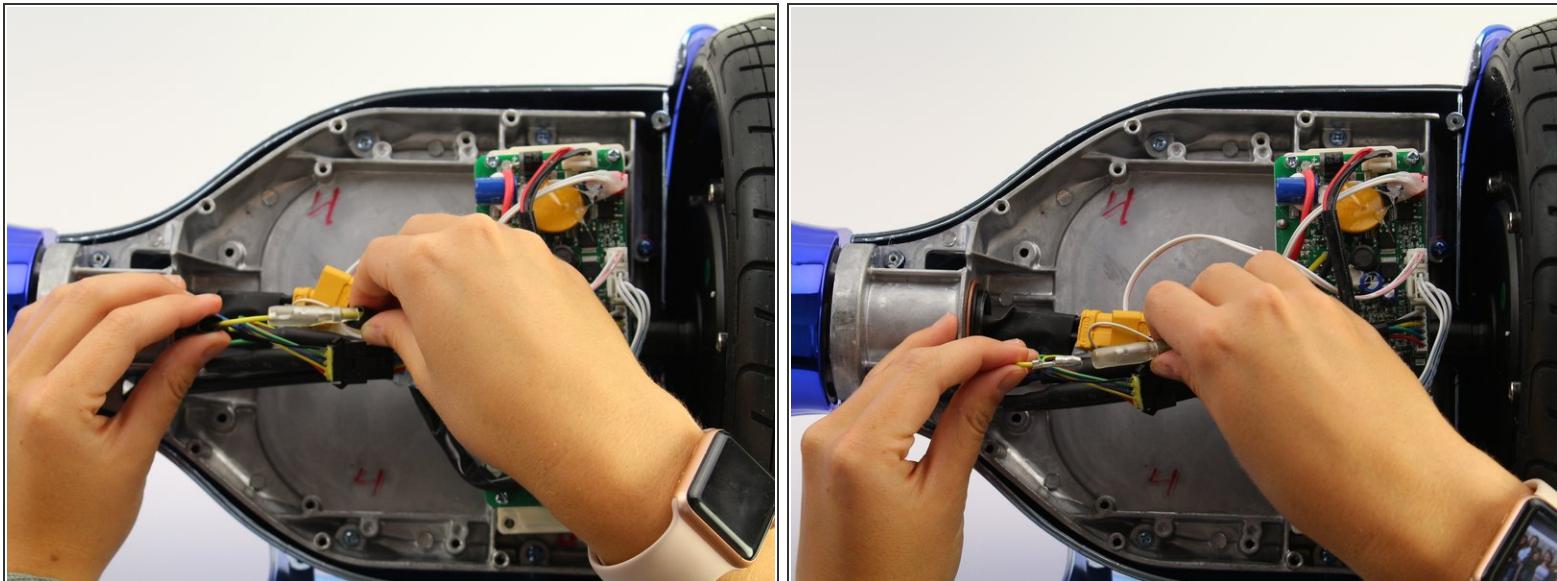
- Use the Phillips #1 screwdriver to remove the four 12mm screws that attach the gyroscope/motherboard to the hoverboard.

## Step 6



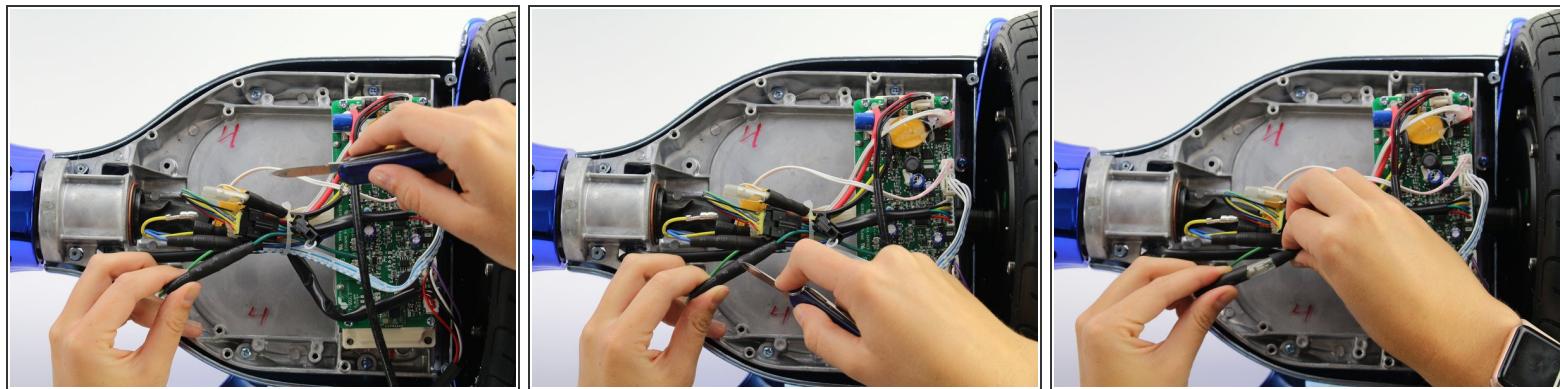
- Cut the rubber surrounding the yellow wire and pull the rubber apart, exposing the connectors.

## Step 7



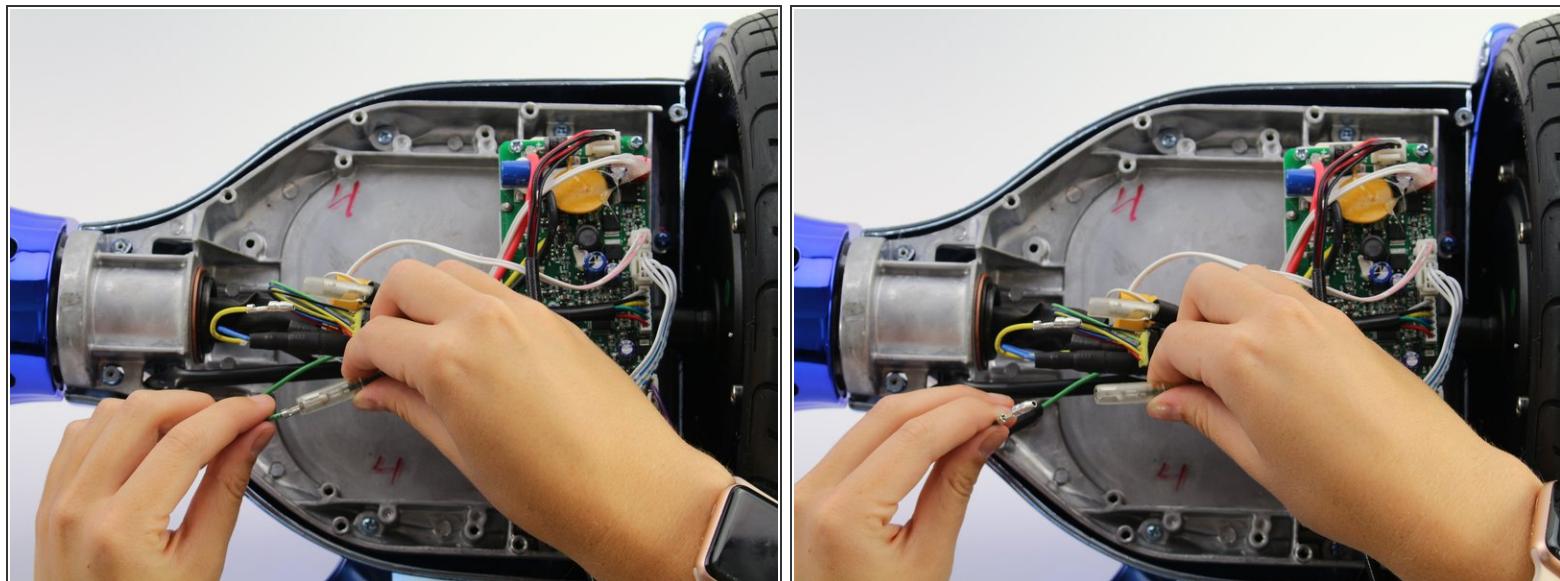
- Unplug the yellow wires by gripping the wire close to the connectors and pulling apart.

## Step 8



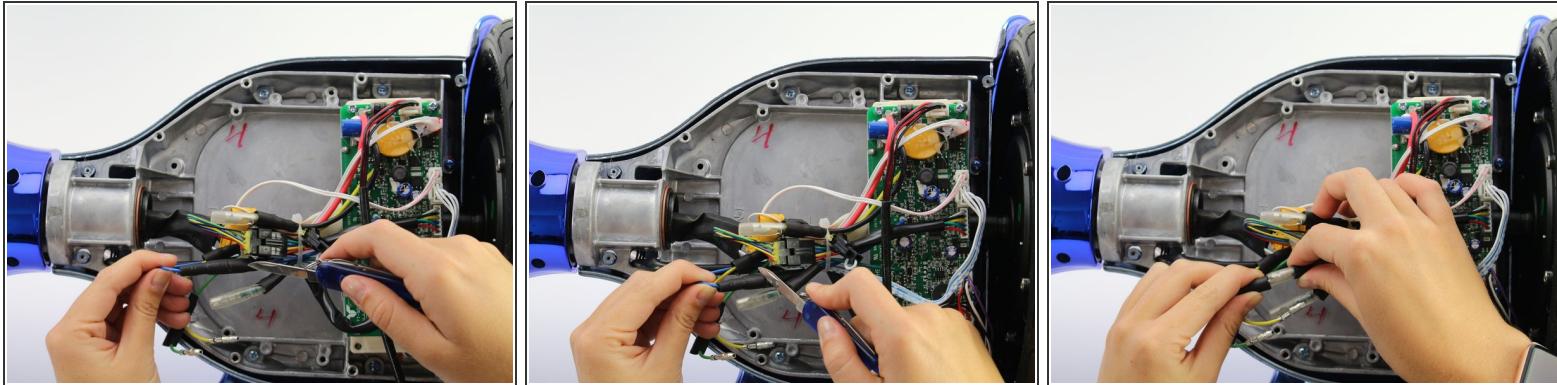
- Cut the rubber surrounding the green wire and pull the rubber apart, exposing the connectors.

## Step 9



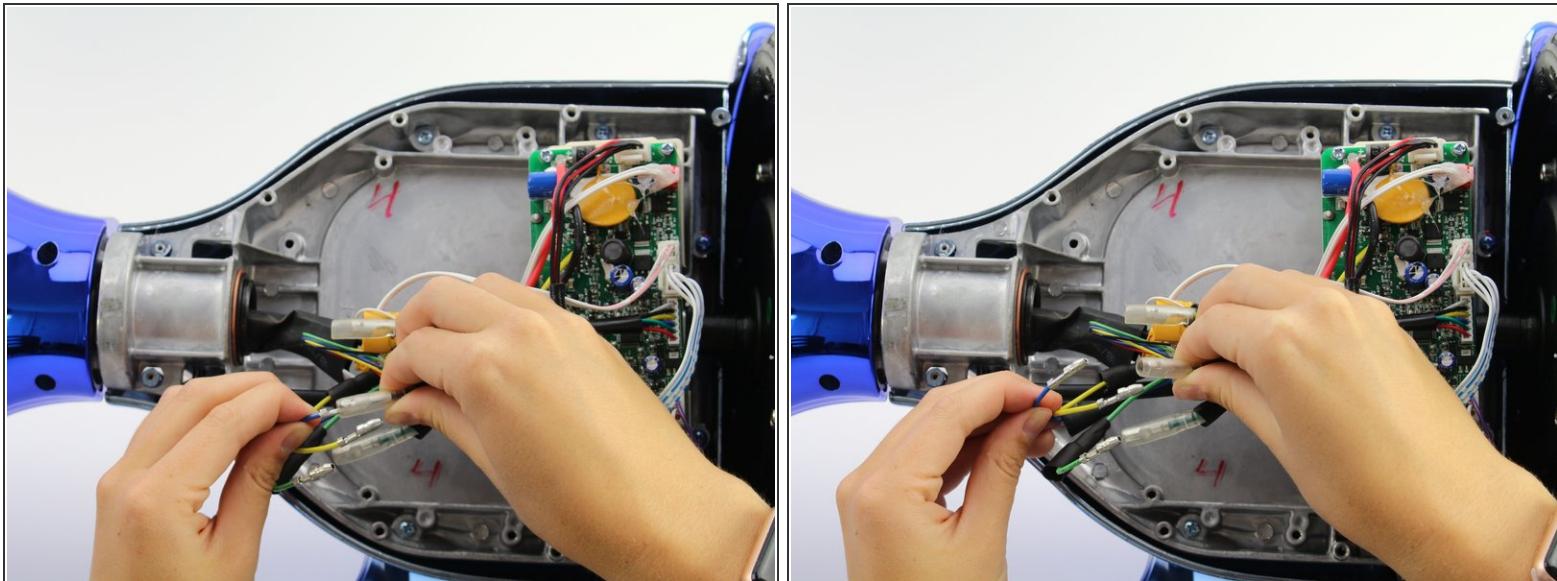
- Unplug the green wires by gripping the wire close to the connectors and pulling apart.

## Step 10



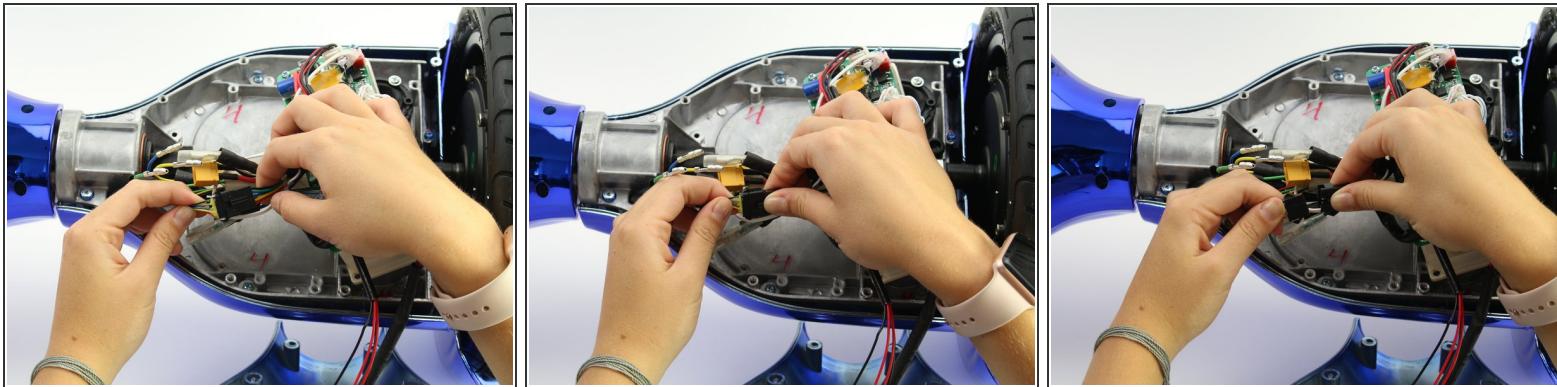
- Cut the rubber surrounding the blue wire and pull the rubber apart, exposing the connectors.

## Step 11



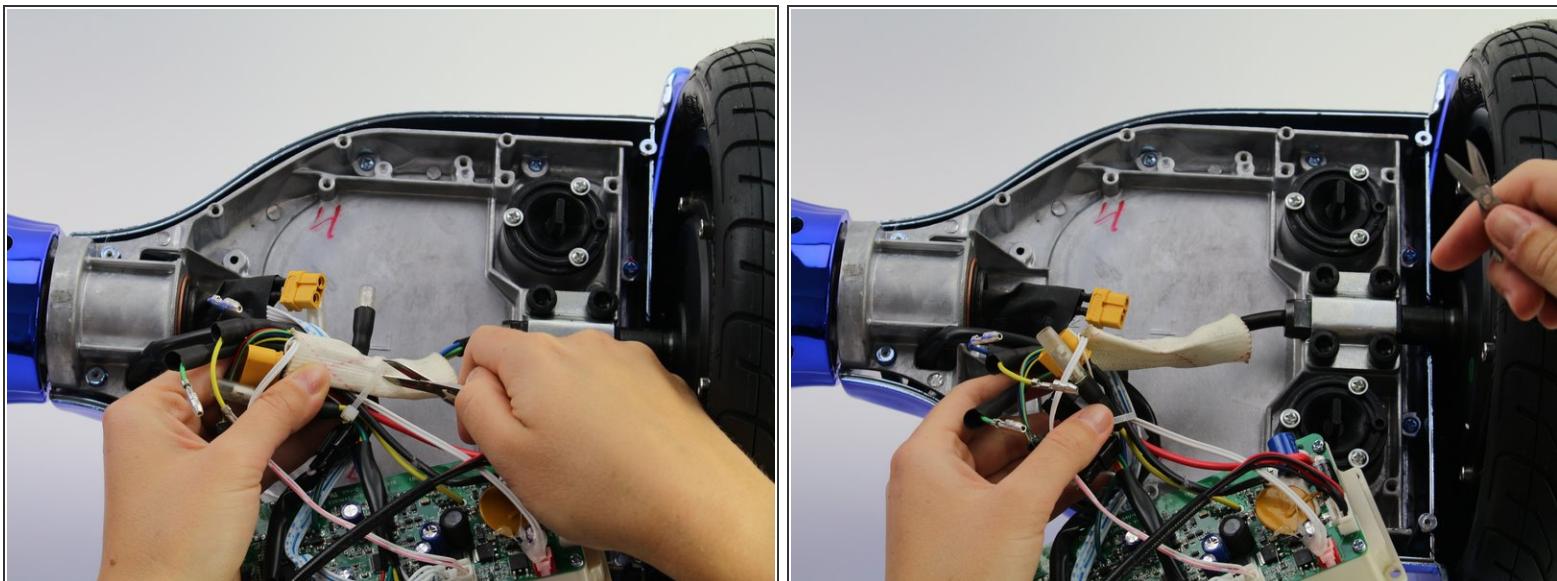
- Unplug the blue wires by gripping the wire close to the connectors and pulling apart.

## Step 12



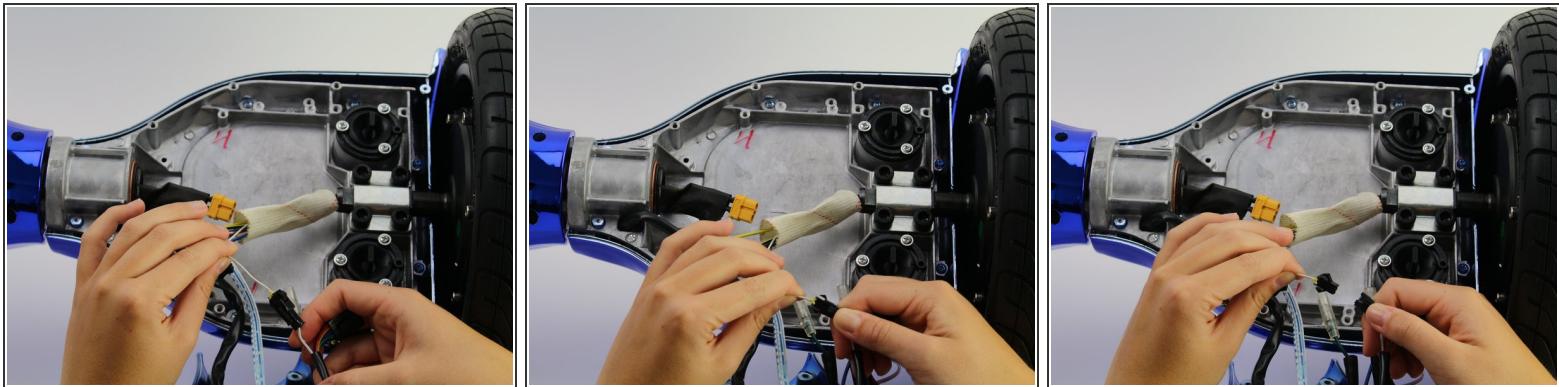
- Unplug the rainbow connector by squeezing the clips and pulling apart.

## Step 13



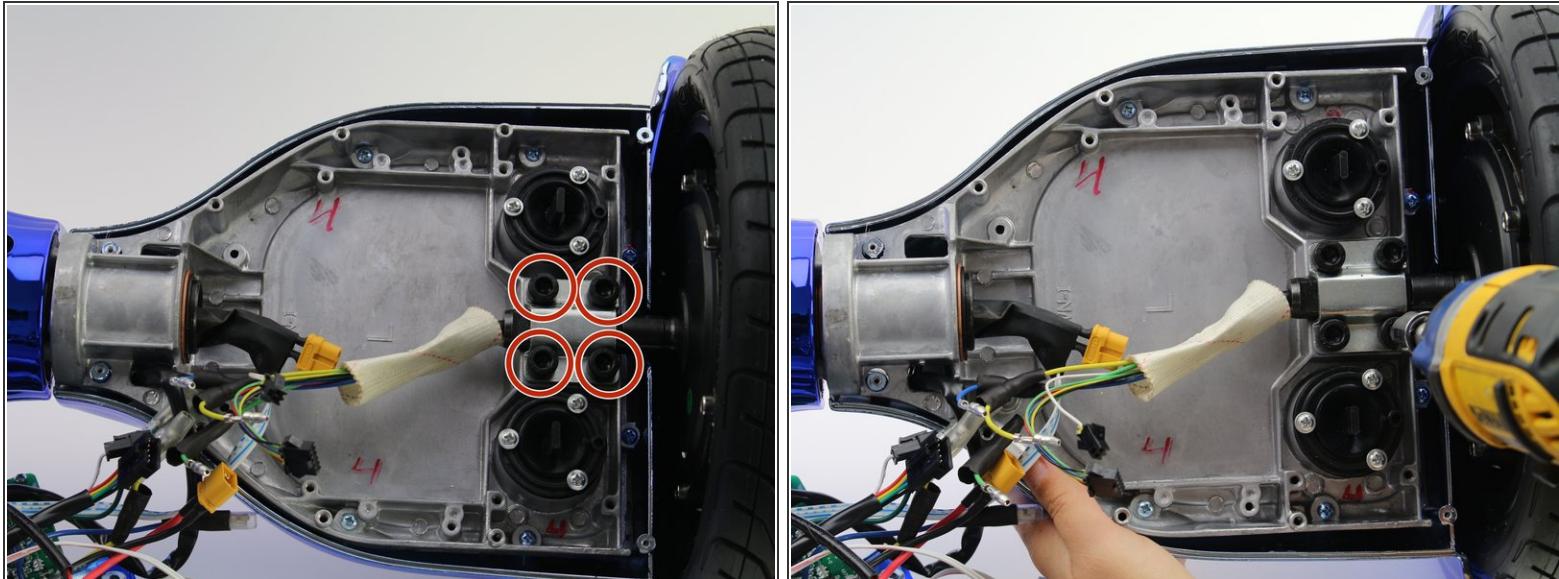
- Use scissors to cut the zip tie around the group of wires.

## Step 14



- Unplug the white wire connector by squeezing the clips and pulling apart.

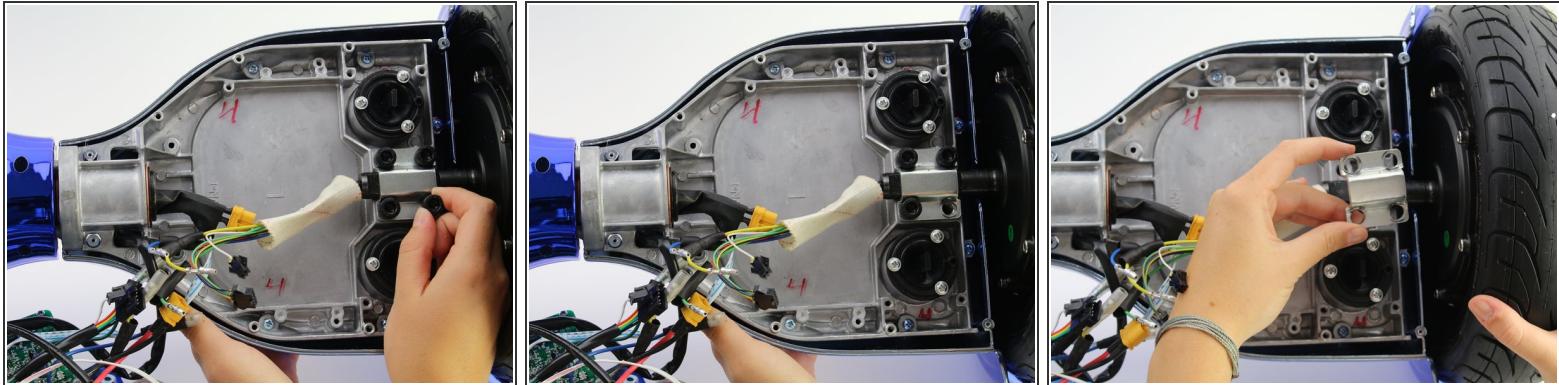
## Step 15



- Use an impact driver with a hex 6 bit to loosen the four 20 mm hex 6 bolts.

**⚠** Wear safety glasses while using the impact driver.

## Step 16



- Pull out the loosened screws with your hands and remove the metal plate.

## Step 17



- Lift the wheel and motor shaft up and out of the board.

*(i)* The motor shaft is located within the wheel.

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