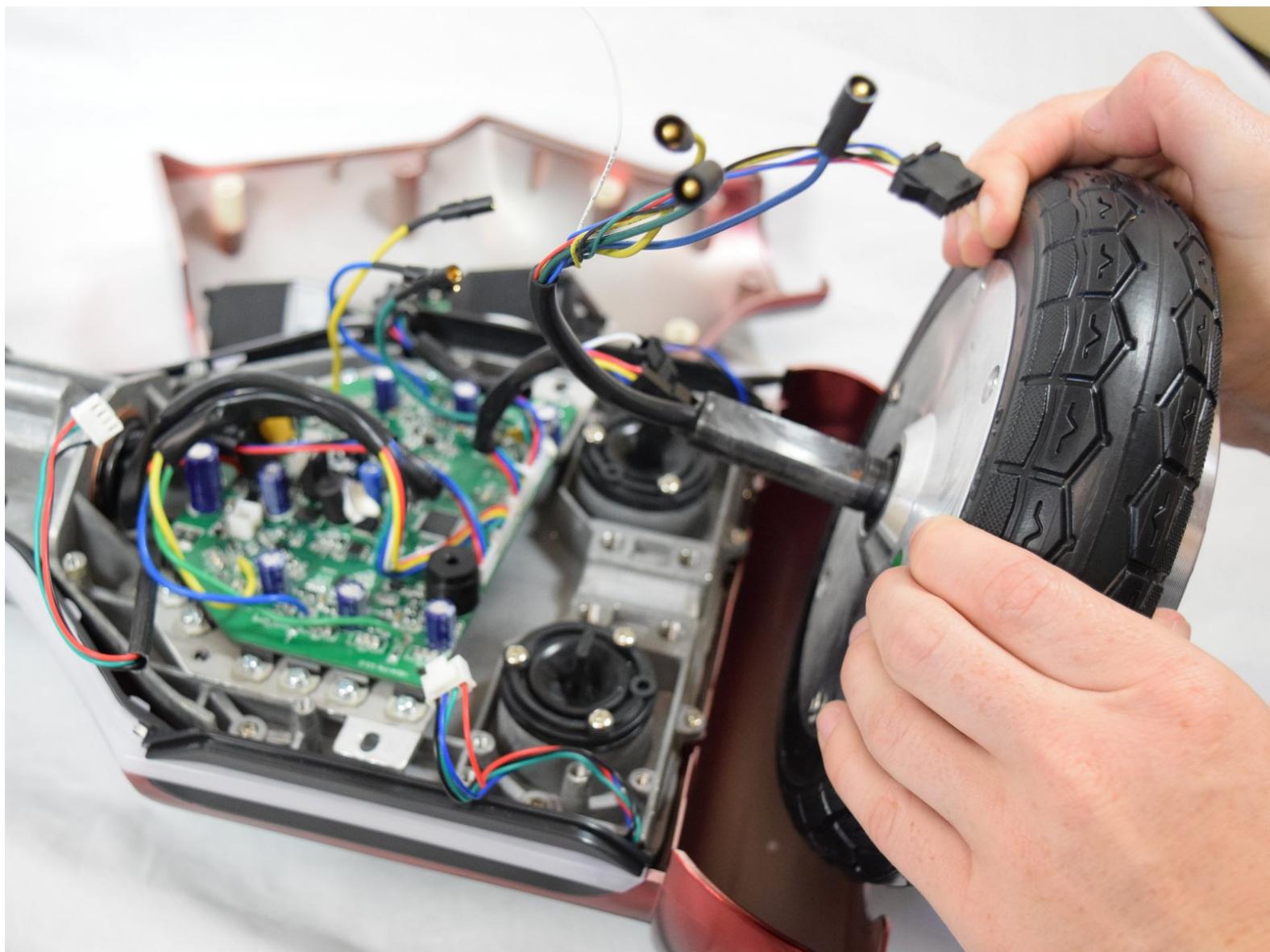




# Hover-1 Horizon Wheel/Motor Replacement

How to replace the wheel and motor of the Hover-1 Horizon.

Written By: Casey Winans



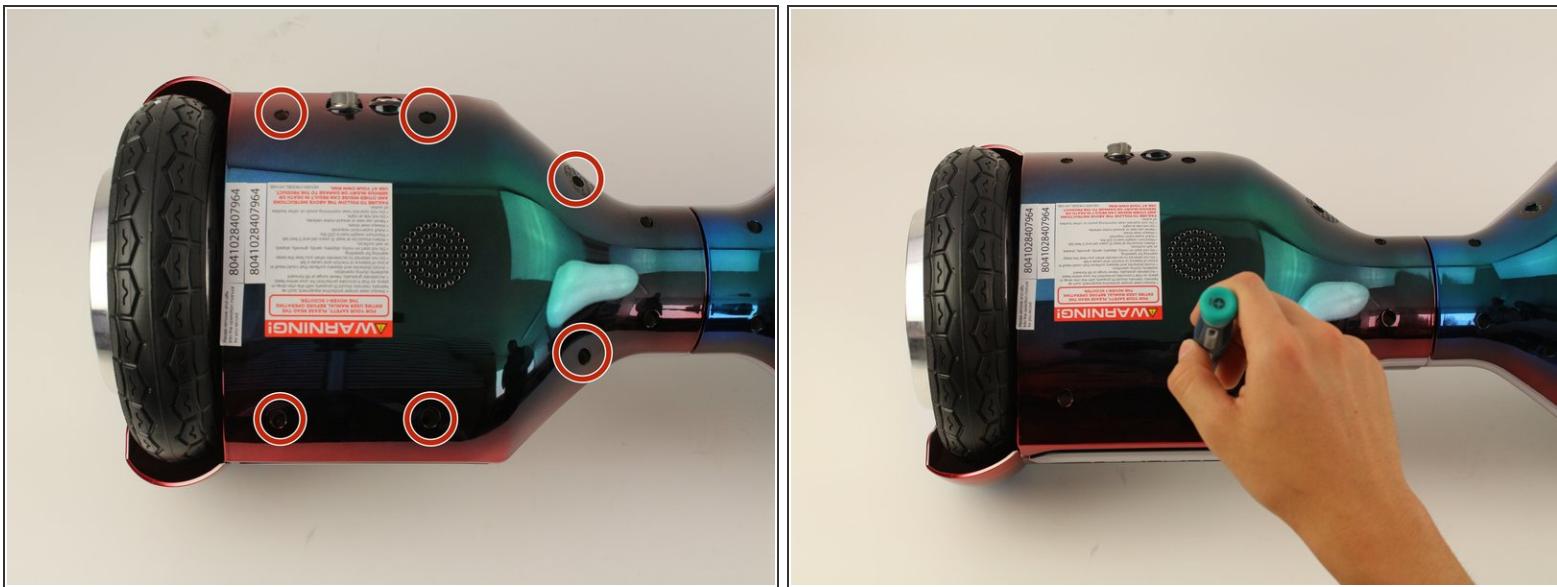
## INTRODUCTION

Is one side of the hoverboard not functioning, or unresponsive? This is a guide to show you how to replace the wheel, or motor (which is apart of the wheel) on the Hover-1 Horizon. This guide requires a Phillips #2 and a Phillips #1 screwdriver, and a 6mm hex key.

### TOOLS:

- **Phillips #1 Screwdriver** (1)
- **Phillips #2 Screwdriver** (1)
- **6 mm Hex Key** (1)

## Step 1 — Base Plate



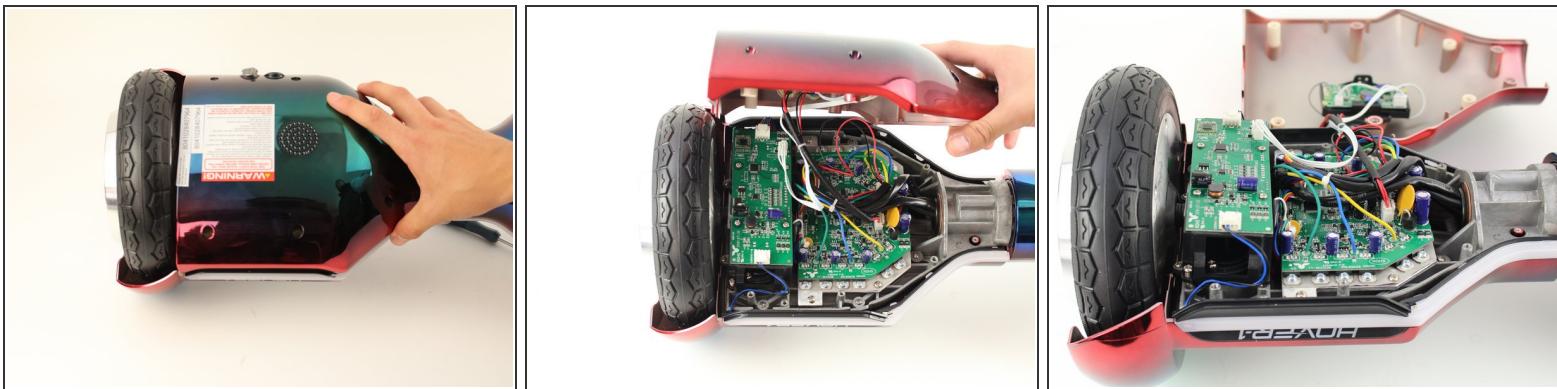
- Remove the six 12mm Phillips #2 screws holding the base plate.

## Step 2



- Remove the two 11mm Phillips #1 screws that hold the base plate to the body.

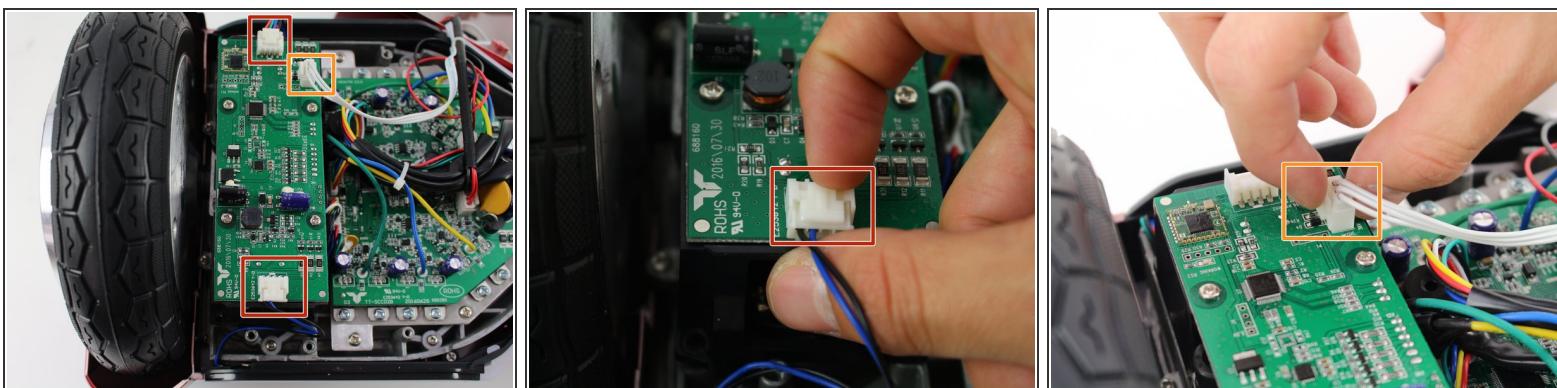
## Step 3



- Remove the base plate by lifting it up.

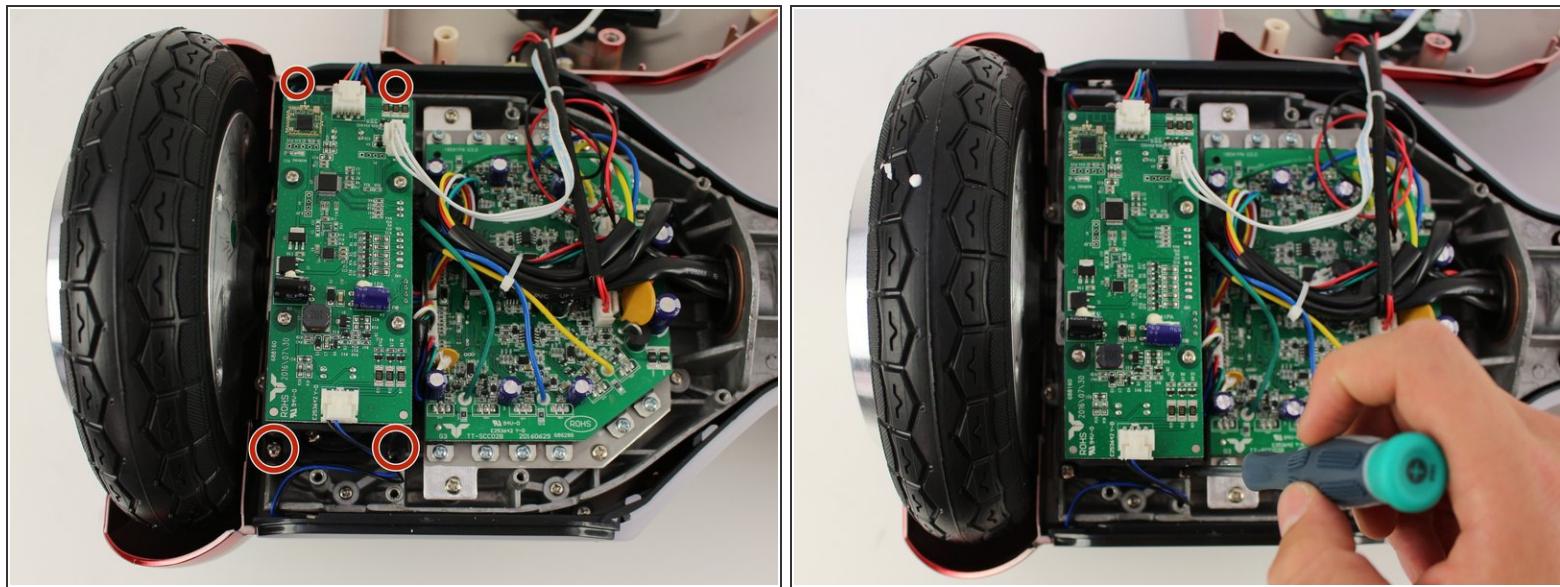
*(i)* The base plate is connected to the body with wires. The wires are long enough to set the base plate to the side.

## Step 4 — Left Gyroscope Sensor Board



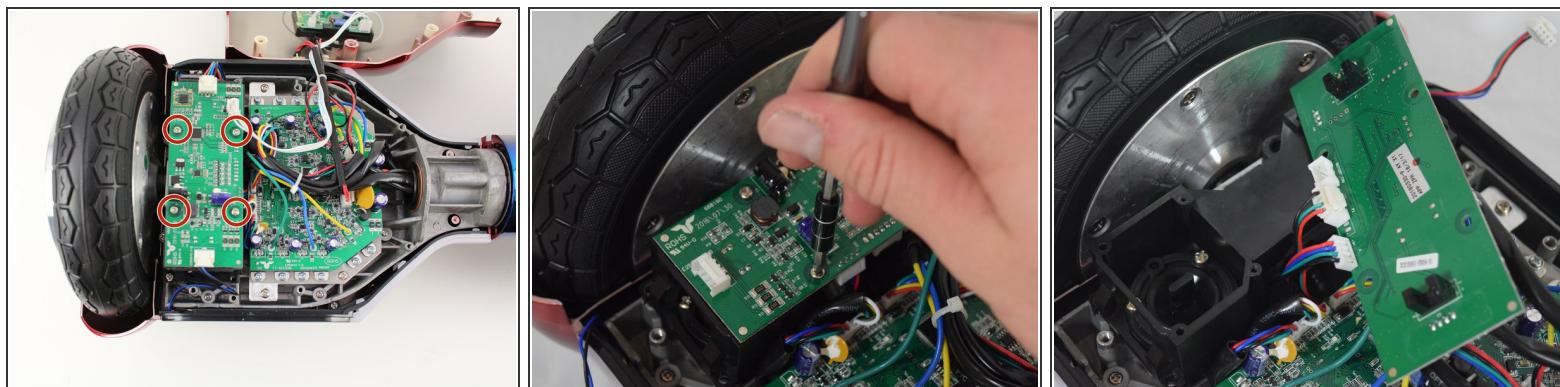
- Remove the two connectors on either side of the board by lifting the tab and pulling out.
- Remove the connector in the middle of the board by squeezing the tab and pulling up.

## Step 5



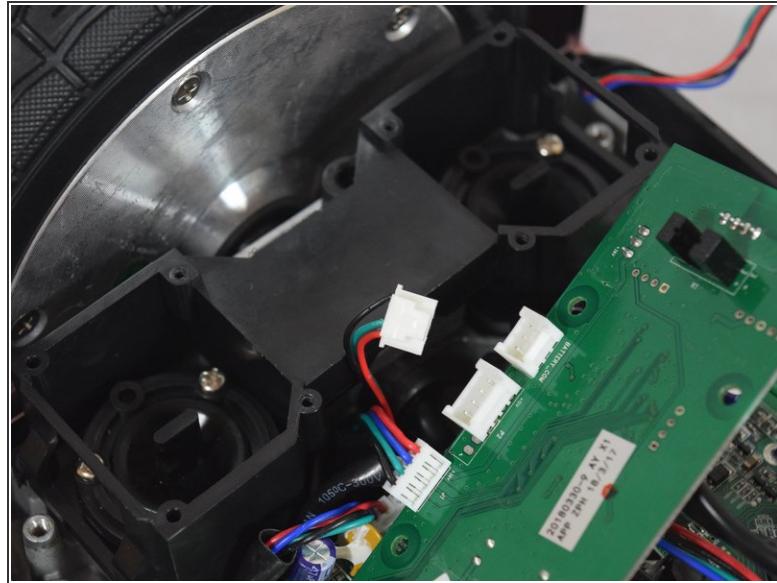
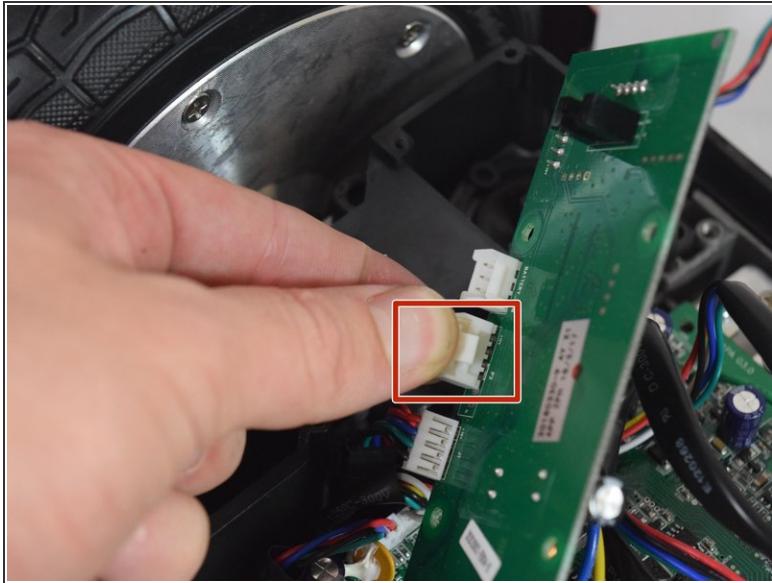
- Remove the four 11mm Phillips #1 screws that hold the cover on.

## Step 6



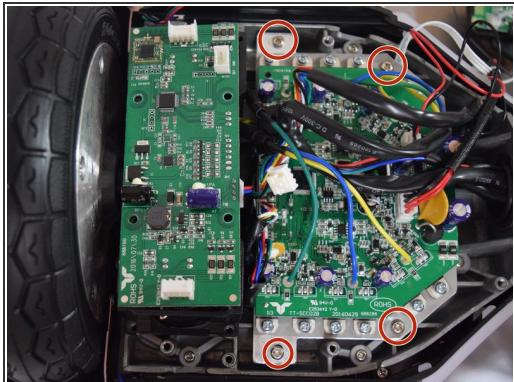
- Remove the four 11mm Phillips #1 screws that attach the gyroscope board to the mount.
- Lift the board to reveal the connections on the bottom.

## Step 7



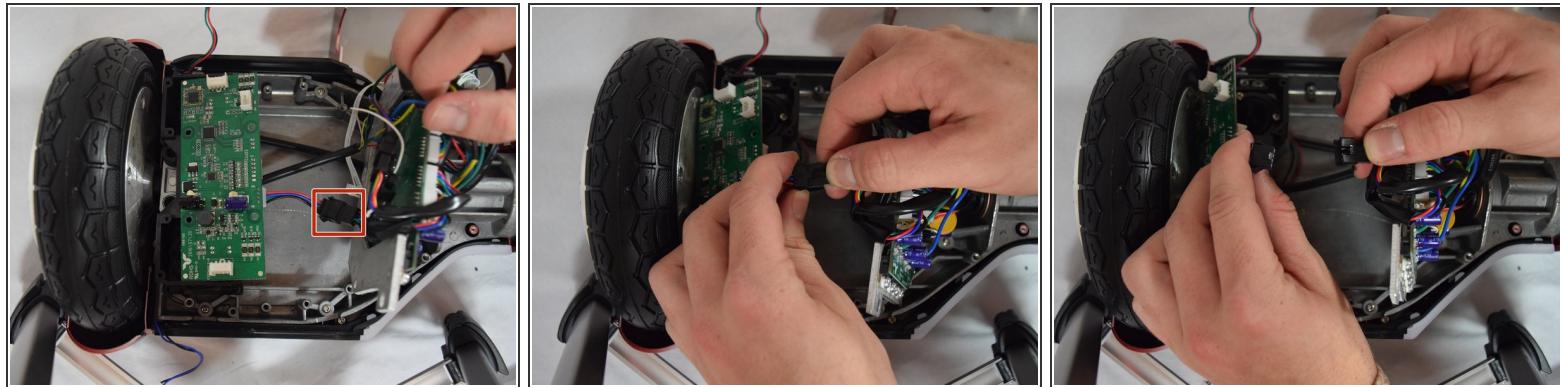
- Remove the middle connector by squeezing the top of the tab and pulling up.

## Step 8



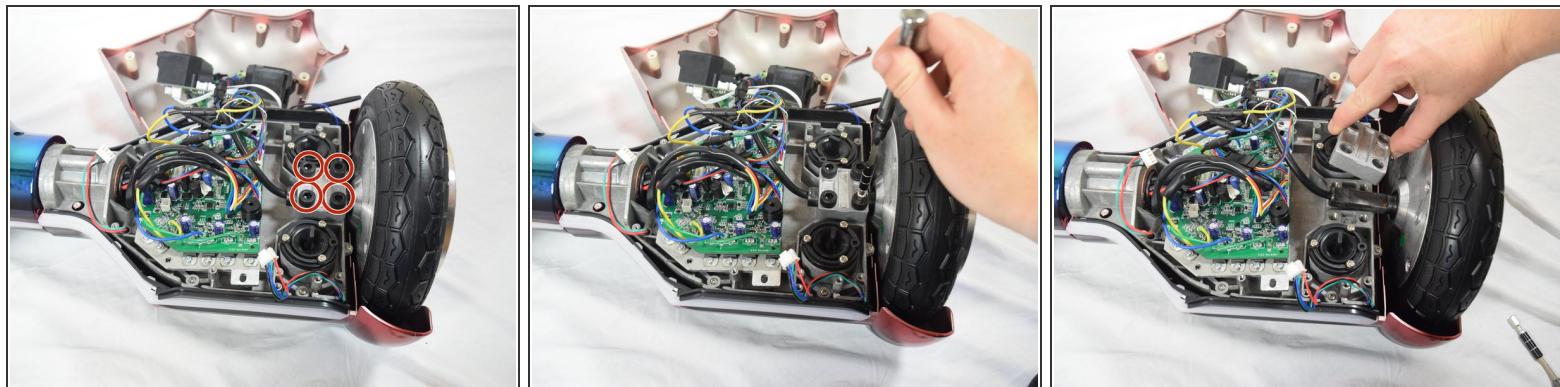
- Remove the four 12mm Phillips #2 screws that hold the motherboard to the base.
- Pull the motherboard away from the gyroscope by grabbing it with two hands and pulling it to the right .

## Step 9



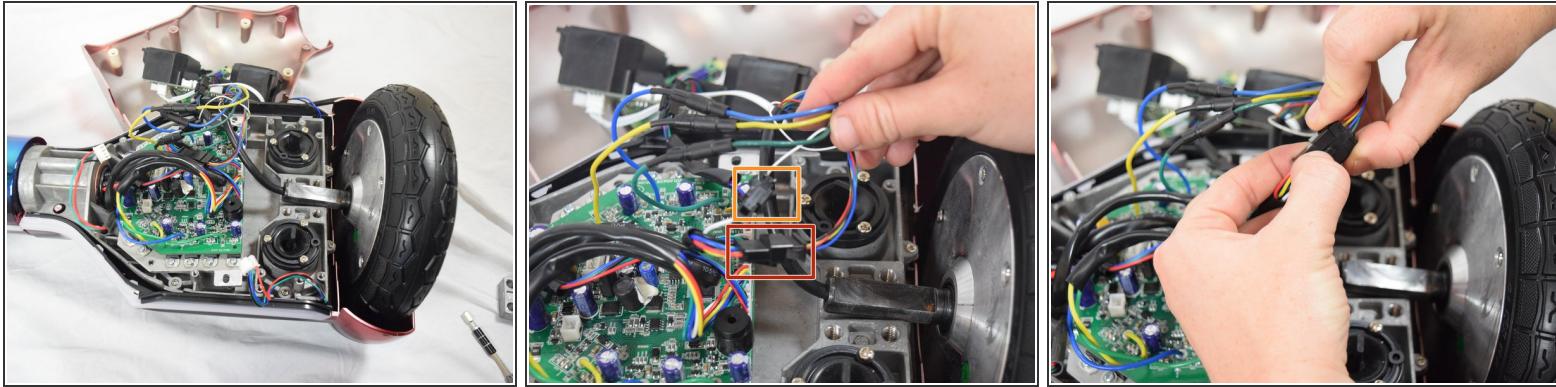
- Unclip the black connector by squeezing both sides and pulling them apart.

## Step 10 — Wheel/Motor



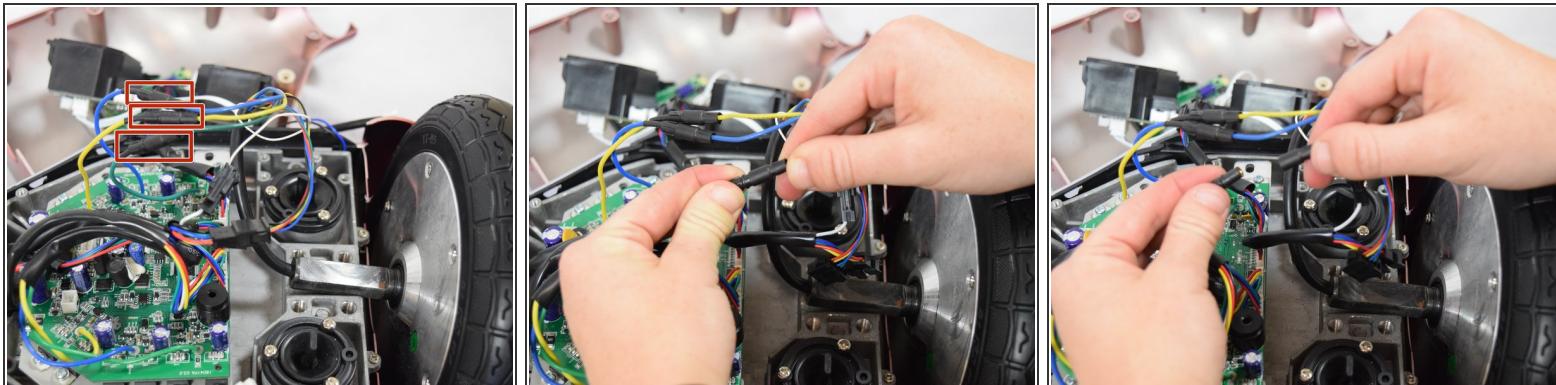
- Remove the four 30mm Hex #6 screws.
- Lift away the silver bracket and set it to the side.

## Step 11



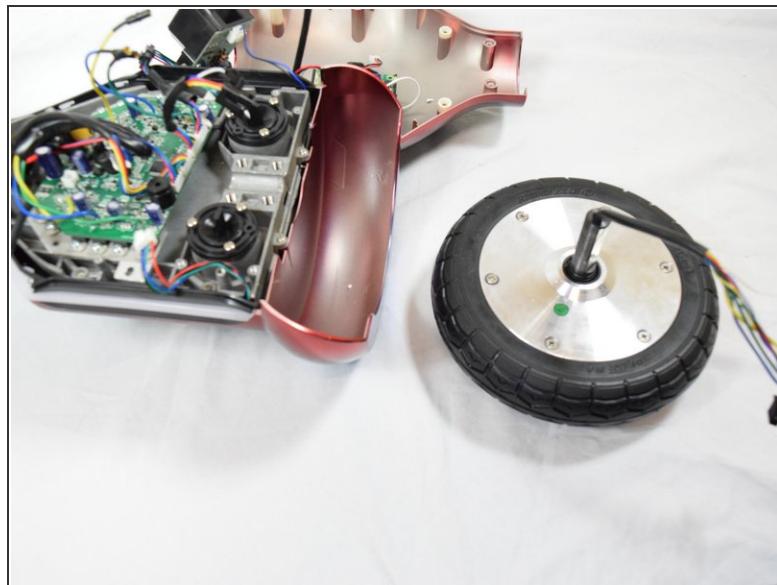
- Disconnect the first clip by squeezing the latch that hold the clips together while pulling apart.
- Disconnect the second clip by squeezing the tab while pulling the clip apart.

## Step 12



- Detach the remaining three connections by pulling them apart.

## Step 13



- Remove the wheel by lifting it away from the base with both hands.

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