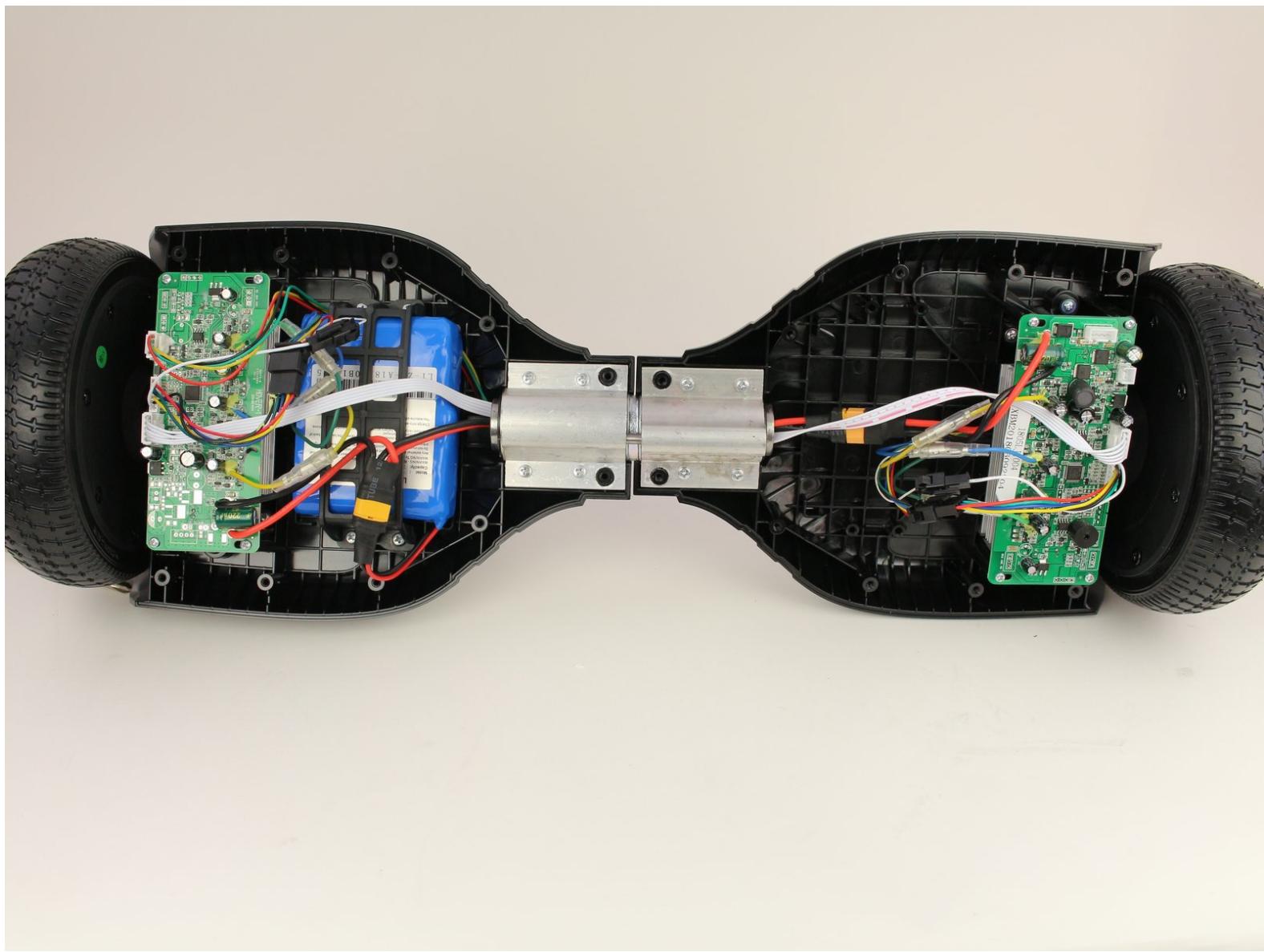




Hover-1 Liberty Gyroscope Sensor Boards Replacement

Replace the gyroscope sensor boards which acts as a gyroscope for the device.

Written By: Eduardo Miranda



INTRODUCTION

If your hoverboard is experiencing issues where it will not move forward or unable to maintain balance, there is a problem with the gyroscope controlling the wheels.

TOOLS:

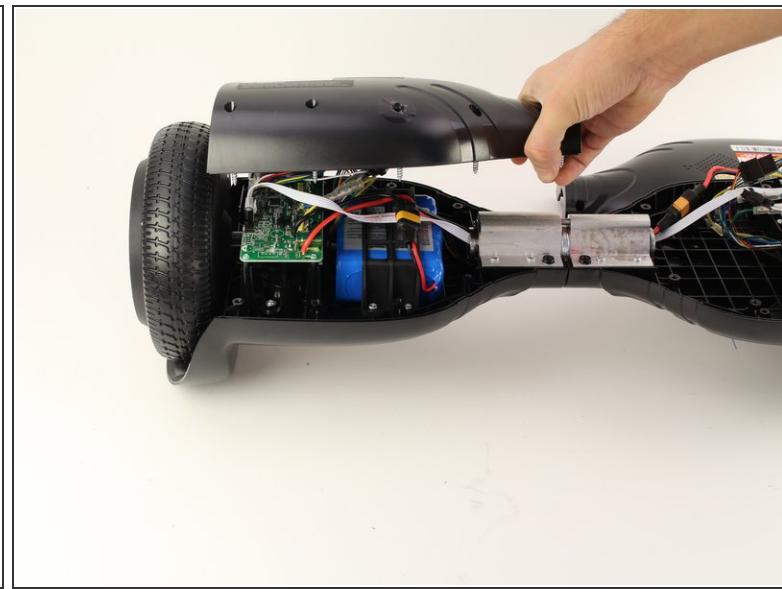
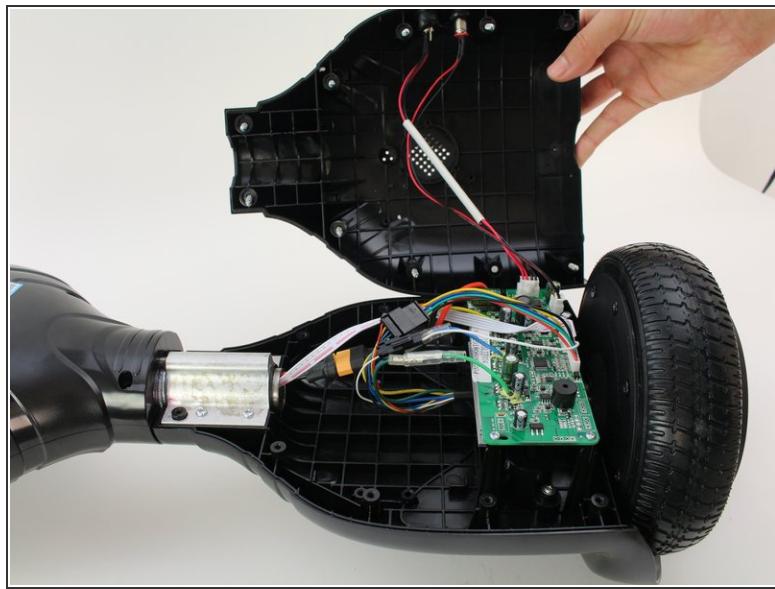
- Phillips #2 Screwdriver (1)
- Phillips #1 Screwdriver (1)

Step 1 — Bottom Cover



- Flip the hoverboard over so the labels are facing upwards.
- Remove the twenty 18mm screws using a Phillips #2 screwdriver and twisting counterclockwise.

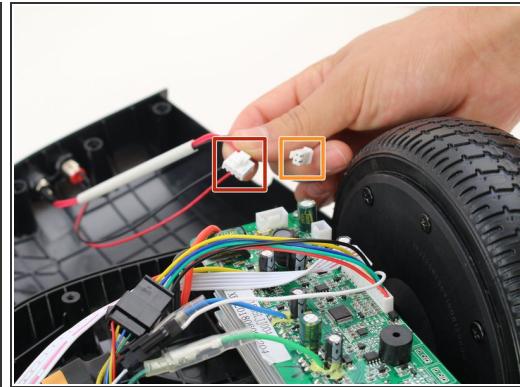
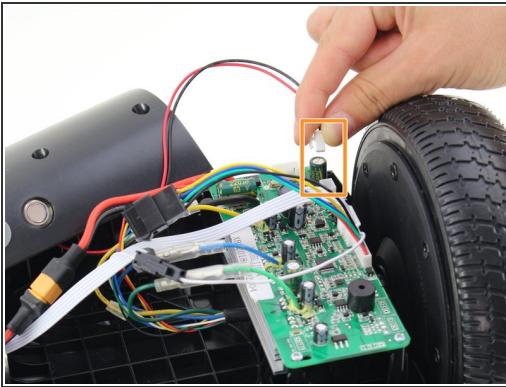
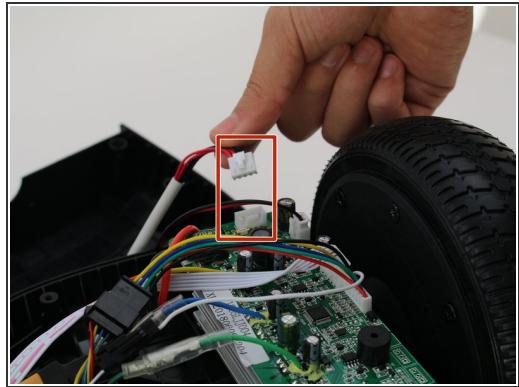
Step 2



- Remove the bottom cover by lifting it away from the hoverboard.

(i) The cover on the side without the battery has two wires connecting the power button and charging port.

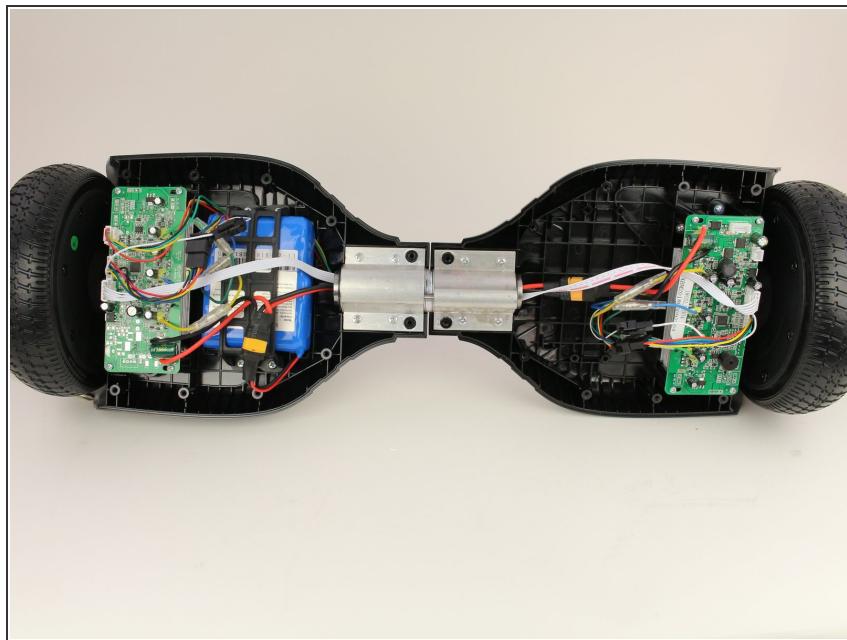
Step 3



- Remove one connector from the non-battery side circuit board.
- Remove the next connector from the non-battery side circuit board.

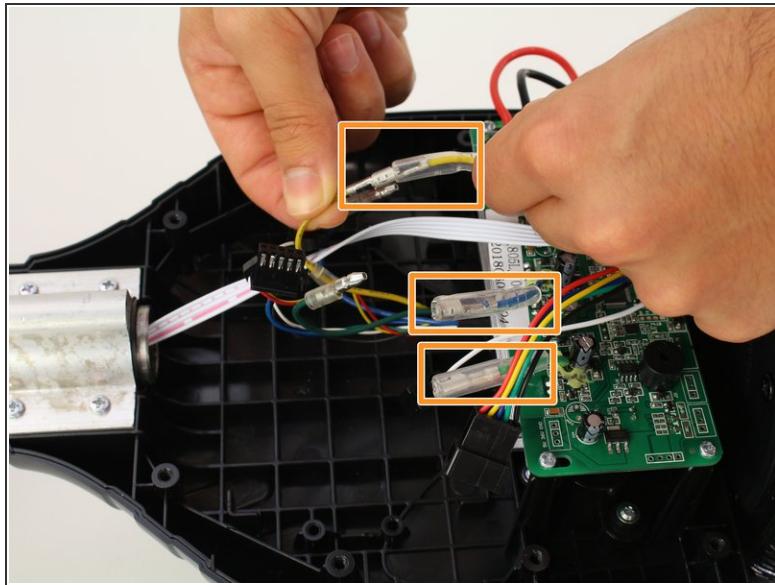
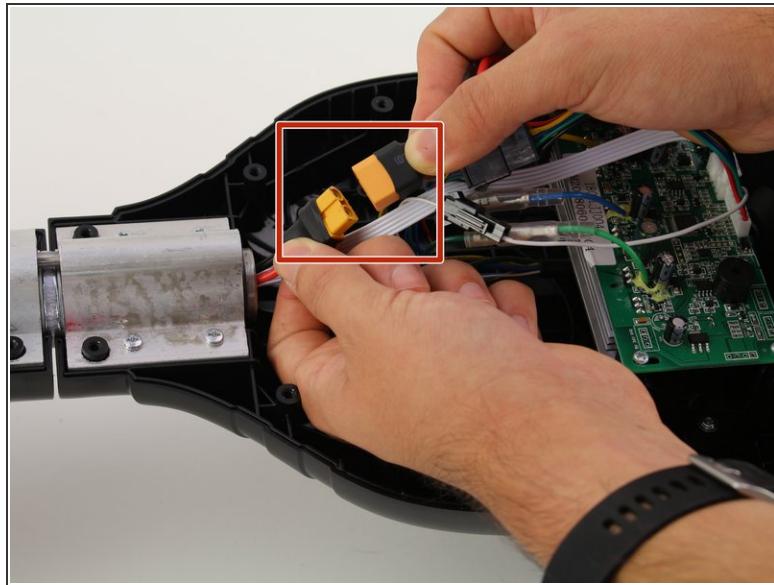
(i) To remove the connectors, pinch the plug and pull away from the circuit board.

Step 4 — Gyroscope Sensor Boards



- Place the hoverboard so the sensor boards face you.

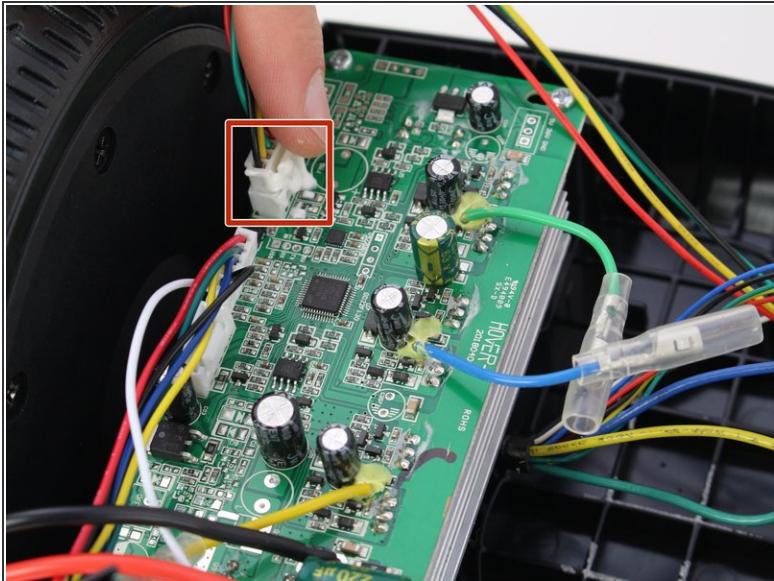
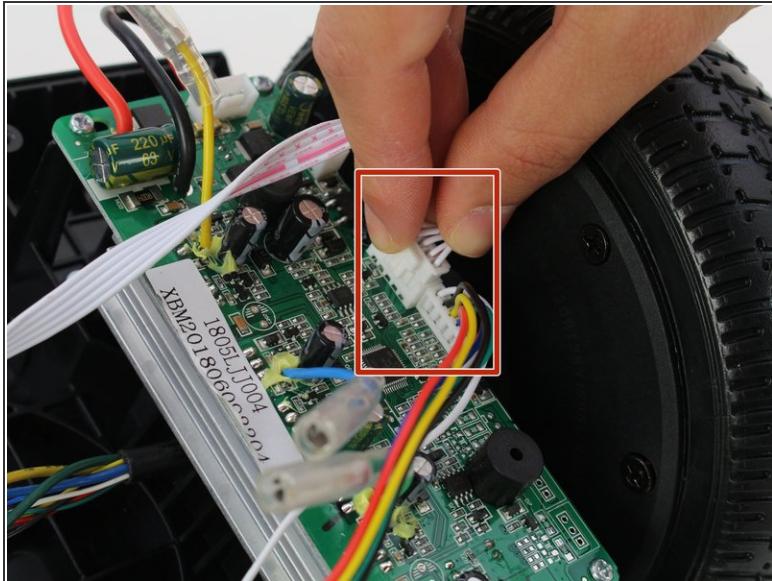
Step 5



- Remove battery connector by pulling it apart.
- Slide the rubber sheaths away from the connector on the blue, green, and yellow wires.
- Disconnect the colored wires by pulling them apart.

 The large colored wires connecting the sensor boards to the wheels need to match for the motor to operate correctly.

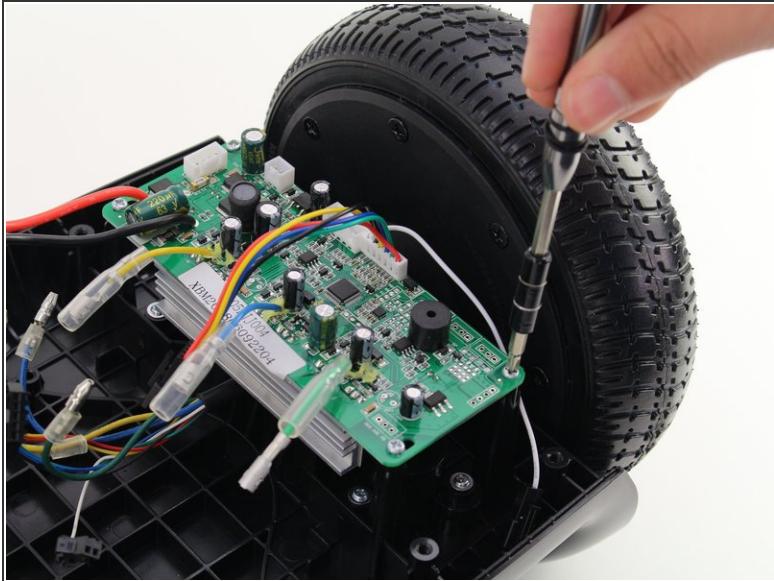
Step 6



- Remove the white cable from the sensor boards by disconnecting the cable on each side of the hoverboard.

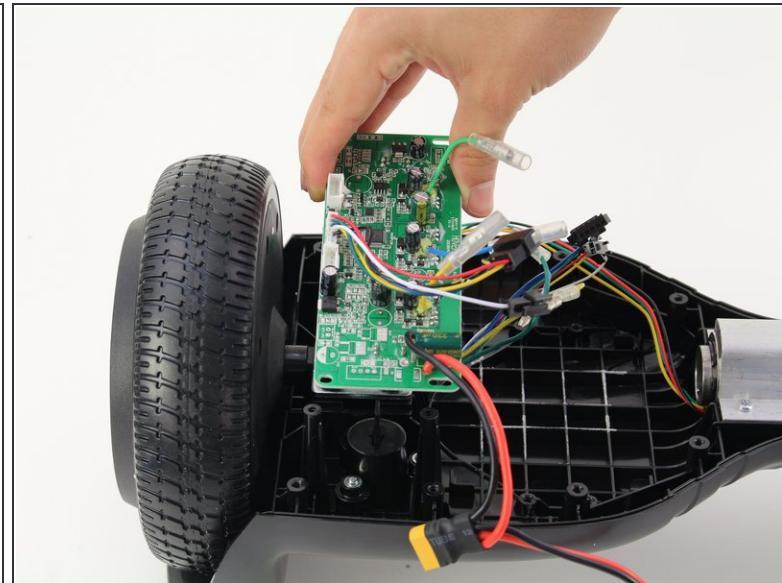
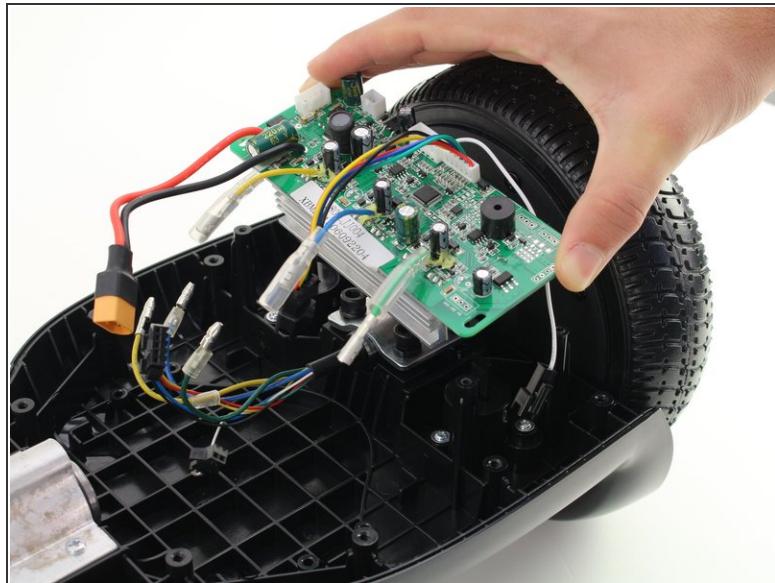
ⓘ To release the cable connector, squeeze the sides while pulling it away from the sensor board.

Step 7



- Remove the four 10mm screws with a Phillips #1 screwdriver.

Step 8



- Remove the sensor board by lifting it away from the hoverboard.
- ⓘ Repeat steps 4-8 to remove the sensor board from the other side.

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