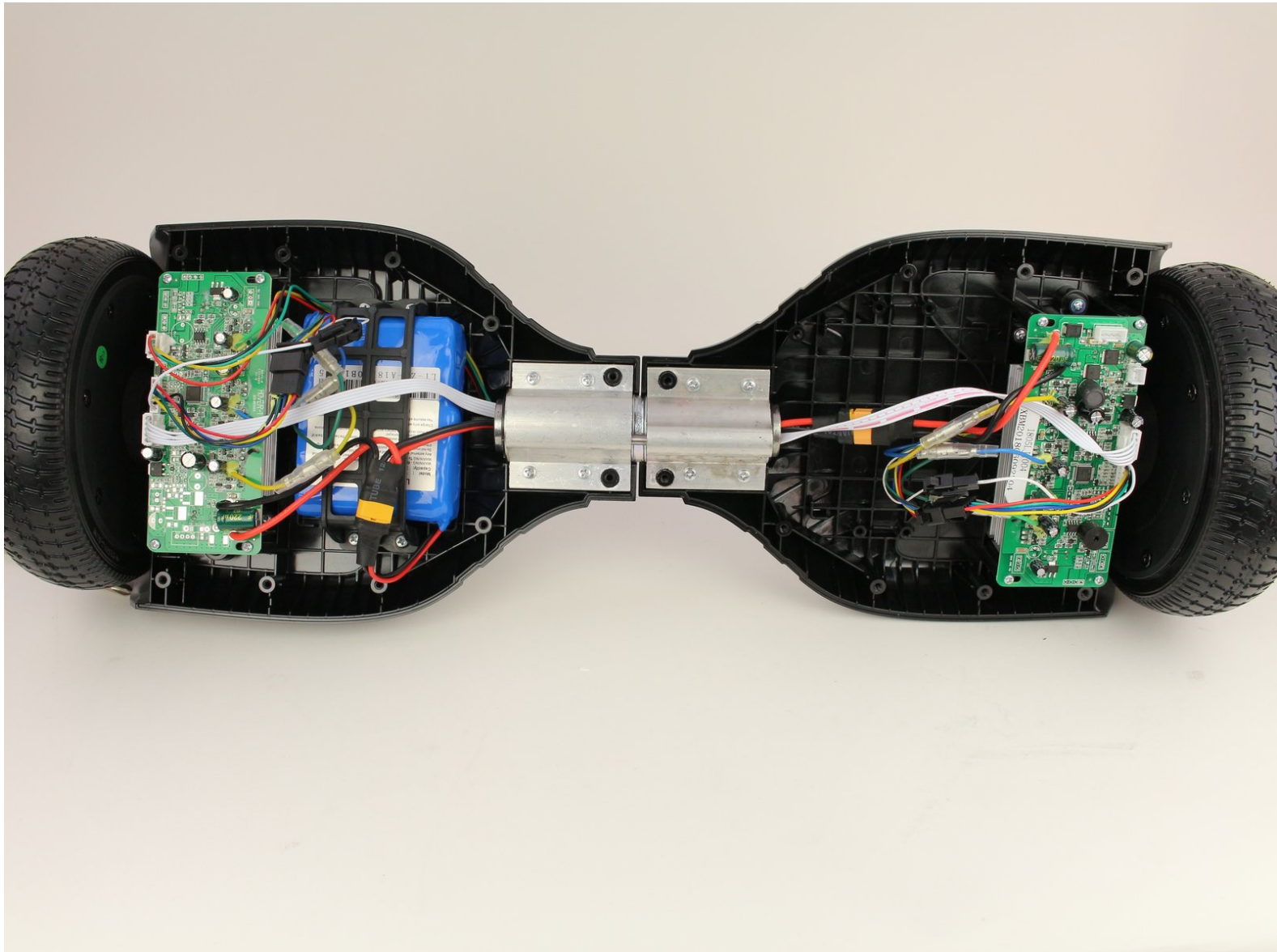![iFixit logo]

Hover-1 Liberty Gyroscope Sensor Boards Replacement

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

Written By: Eduardo Miranda

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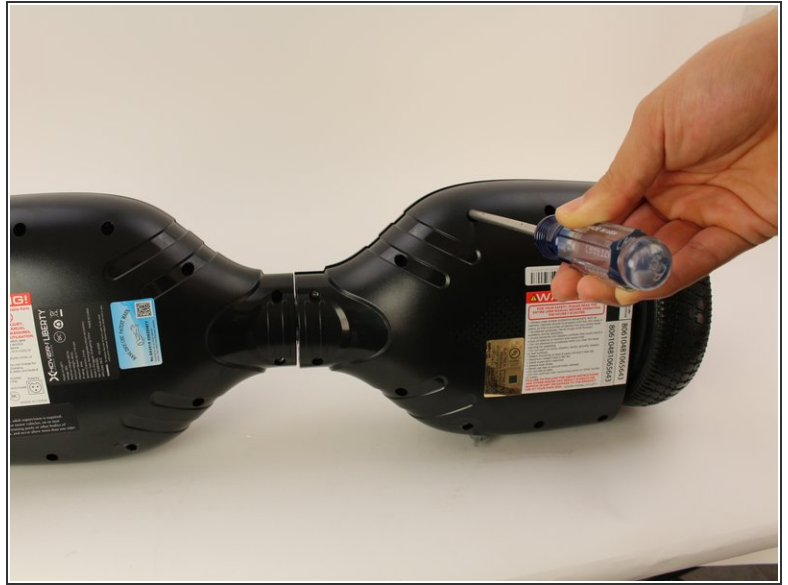
INTRODUCTION

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.
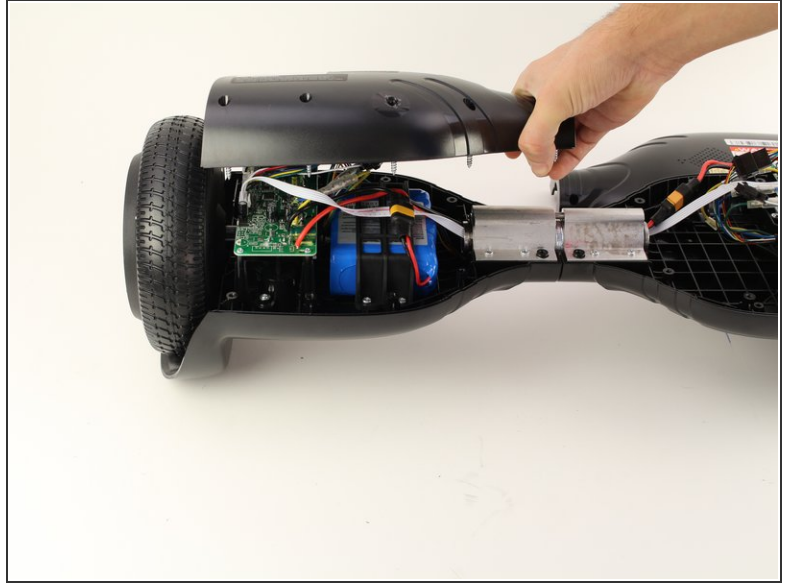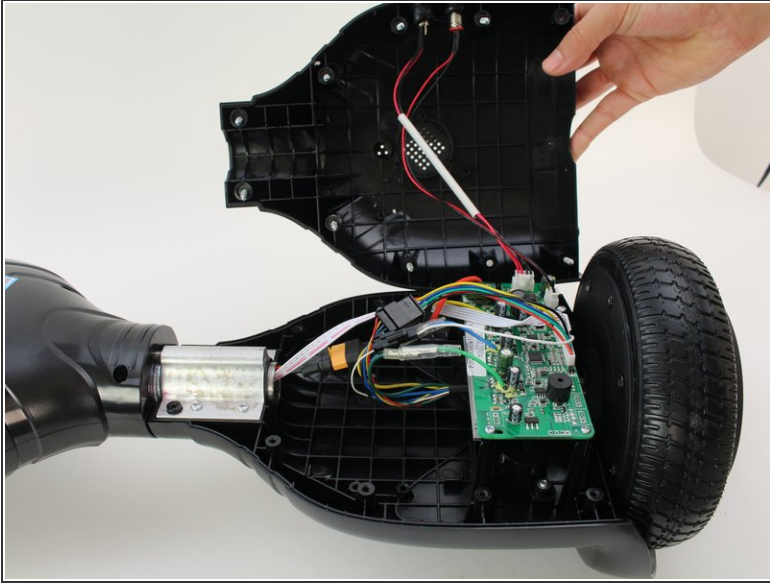
TOOLS:

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

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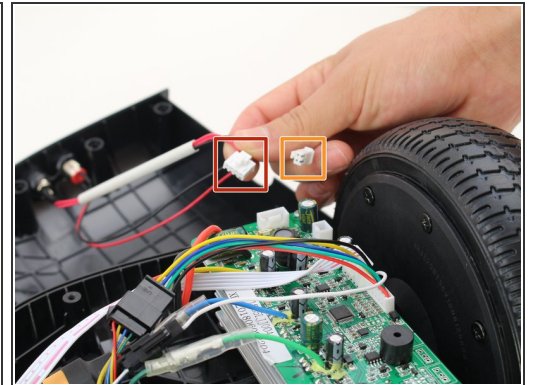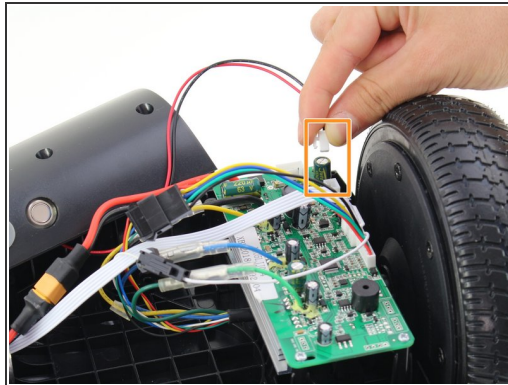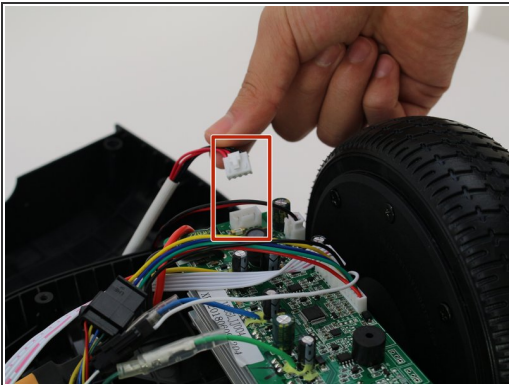
Step 1 — Bottom Cover

- Flip the hoverboard over so the labels are facing upwards.

- Remove the twenty 18mm screws using a Phillips #2 screwdriver and twisting counterclockwise.
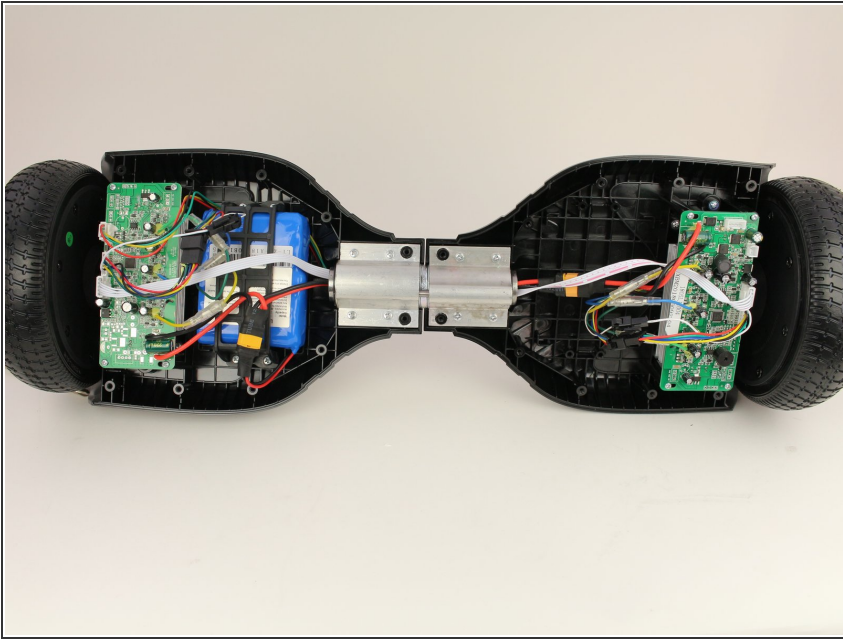
Step 2

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

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

Step 3

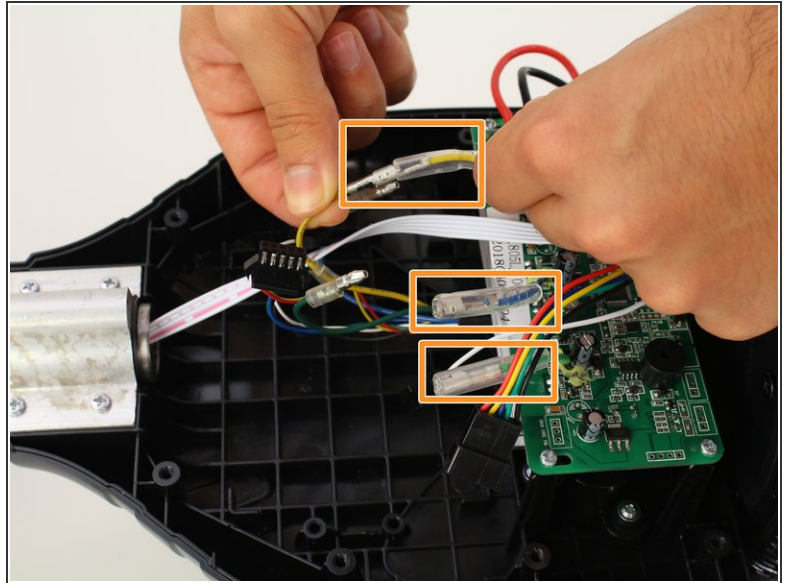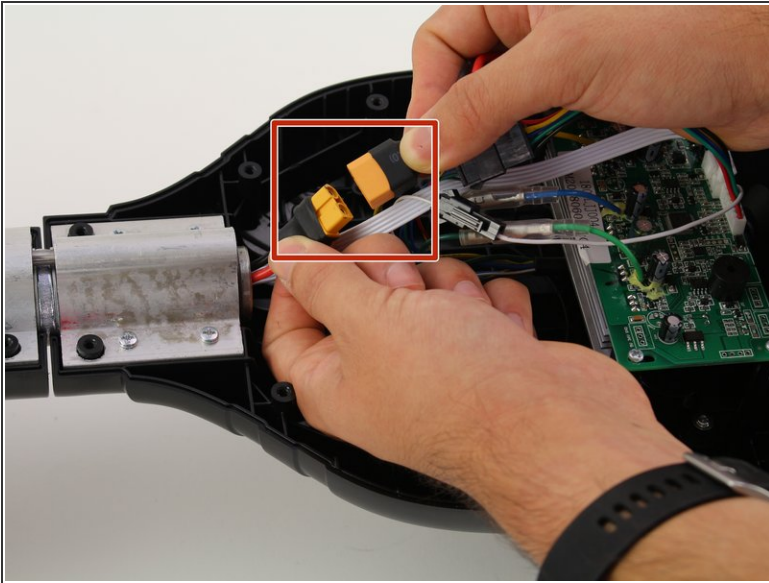- Remove one connector from the non-battery side circuit board.

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

- ⓘ To remove the connectors, pinch the plug and pull away from the circuit board.
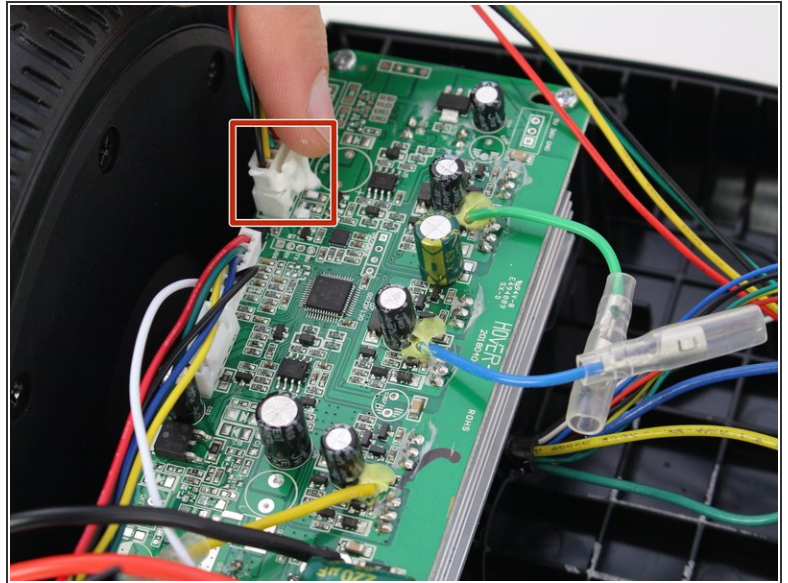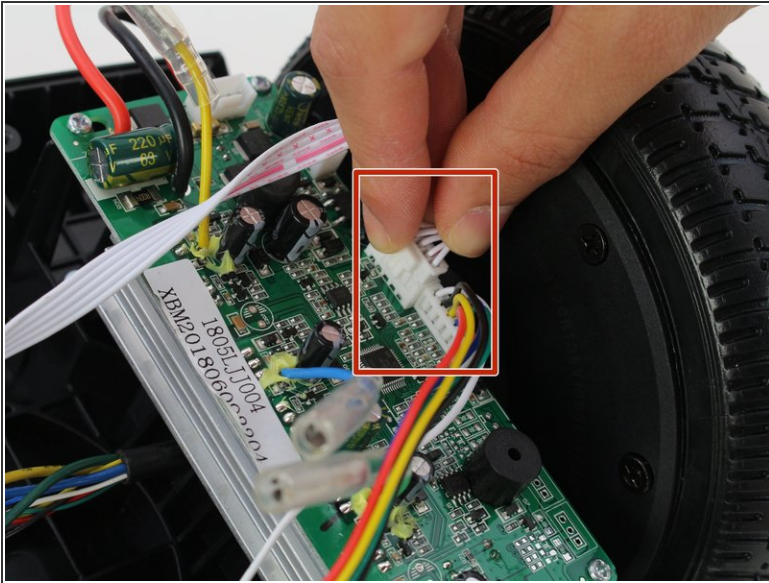
Step 4 — Gyroscope Sensor Boards

- Place the hoverboard so the sensor boards face you.

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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.
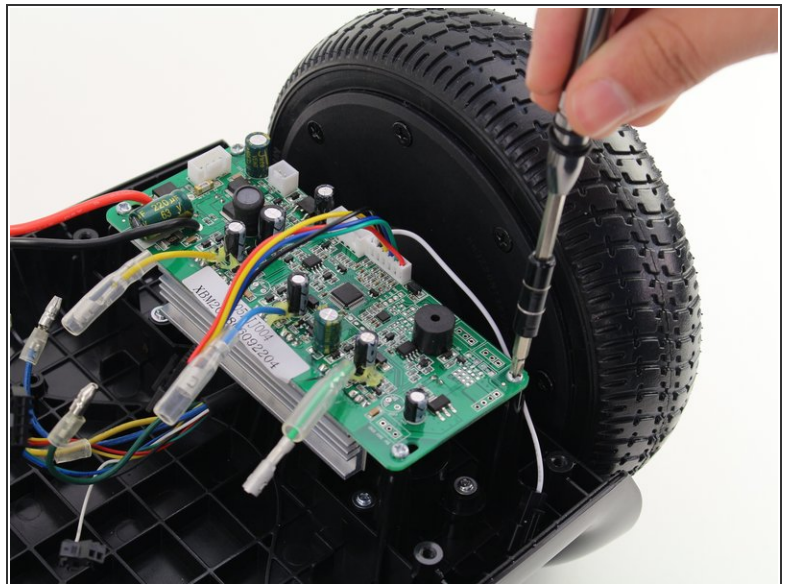
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Step 6

- Remove the white cable from the sensor boards by disconnecting the cable on each side of the hoverboard.
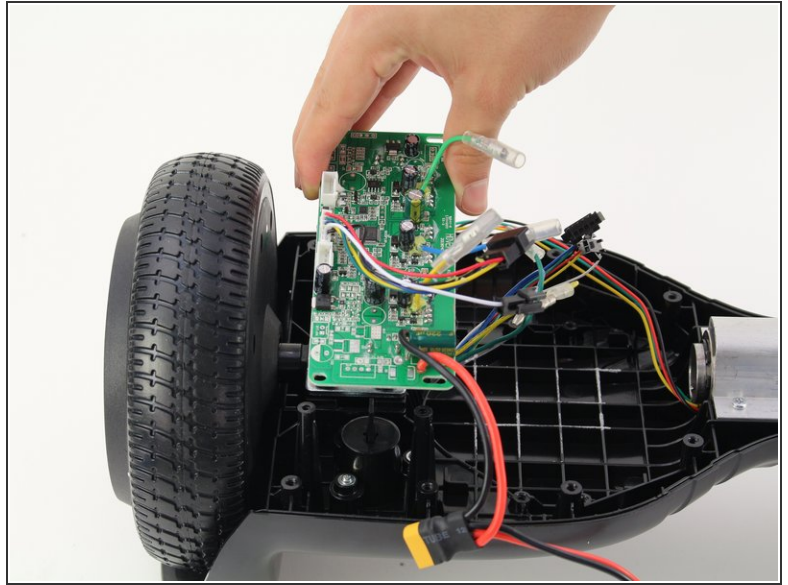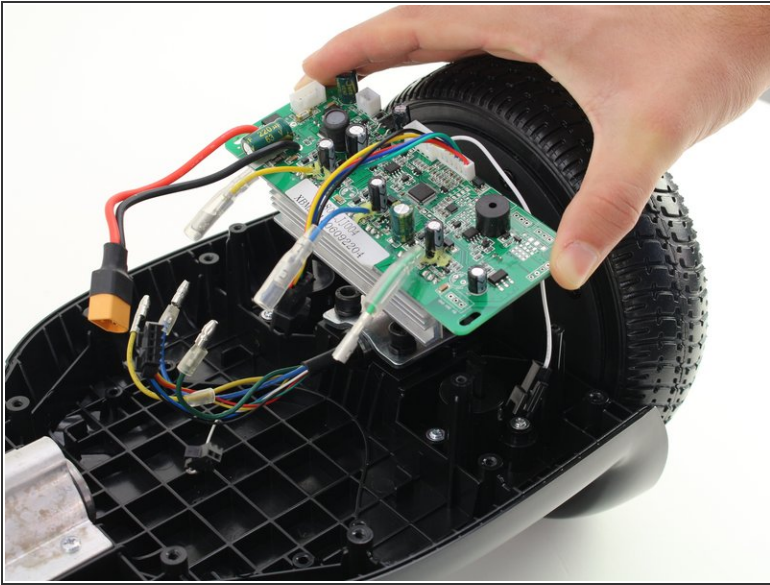
- To release the cable connector, squeeze the sides while pulling it away from the sensor board.

Step 7

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

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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.