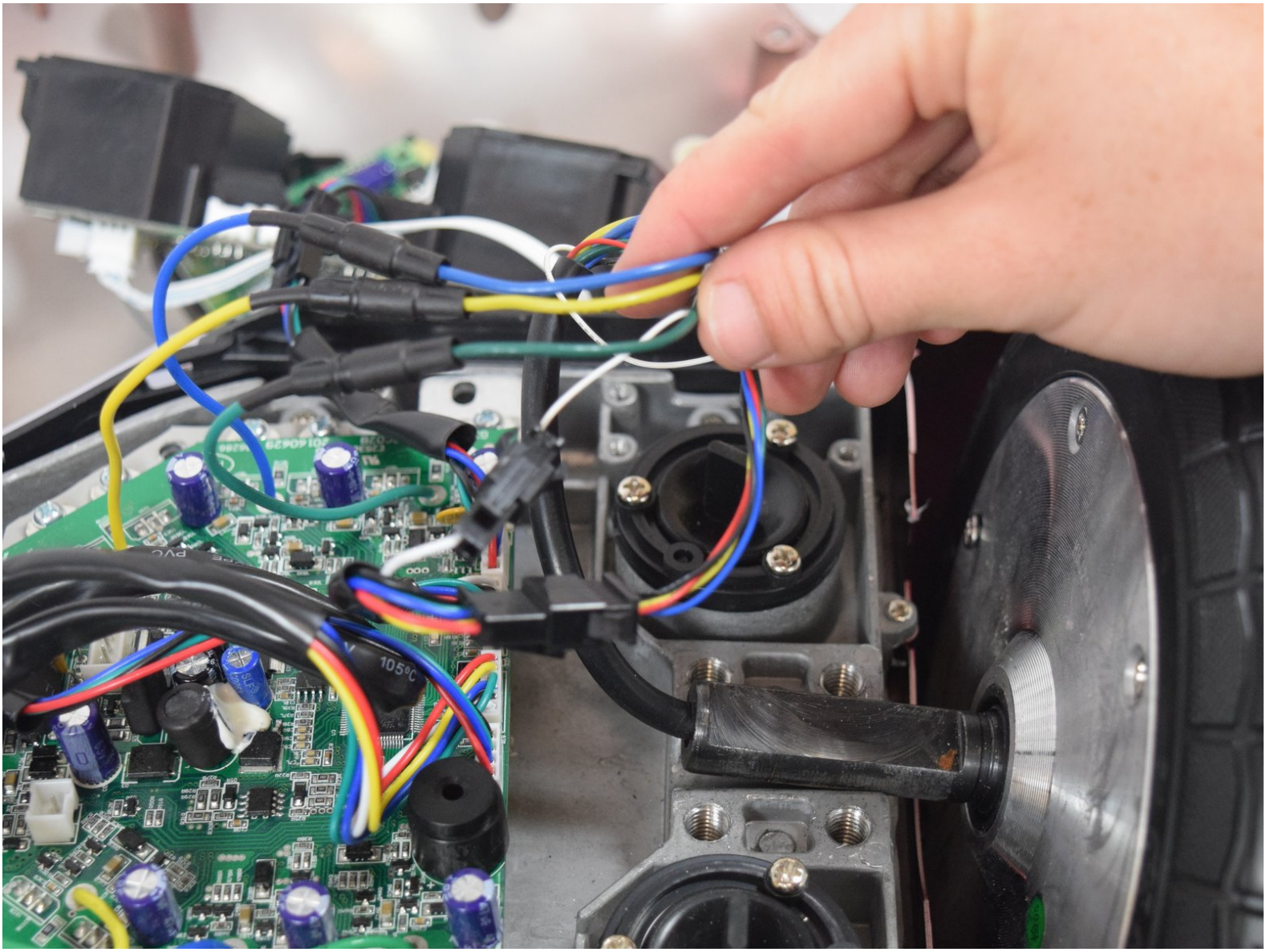
Hover-1 Horizon Wheel Wires Replacement

Check that the wires that connect the wheels work in the Hover-1 Horizon.

Written By: Jenny Dyer



INTRODUCTION

Are your wheels experiencing resistance while turning? This is a guide to show you how to check and replace the wires that connect the wheel to the motherboard. This guide requires a Phillips #2 and a Phillips #1 screwdriver, and a 6 mm hex key.

TOOLS:

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

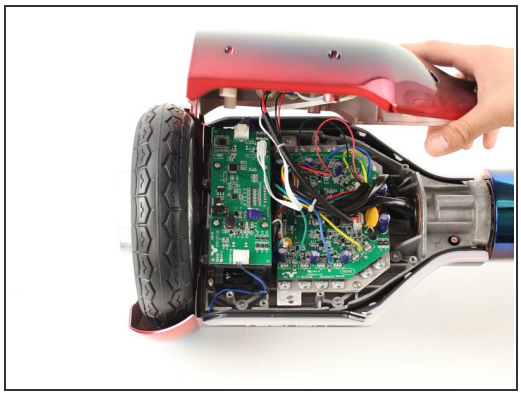
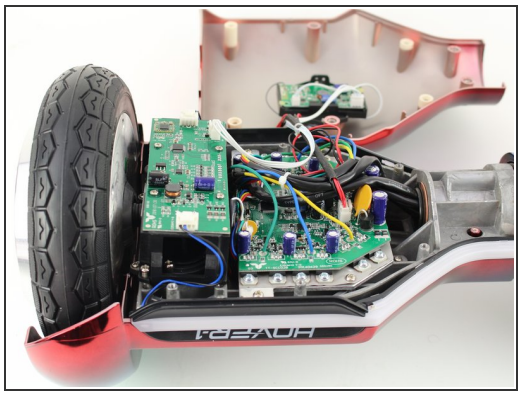
Step 1 — Base Plate

- 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.

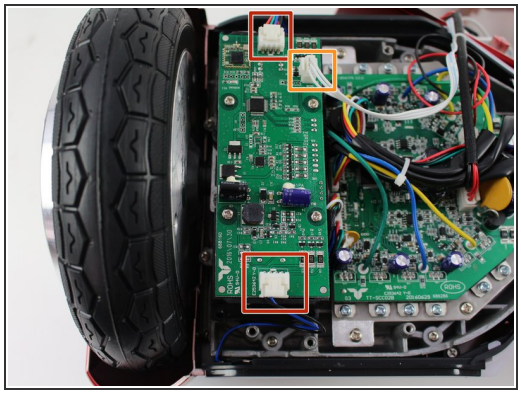
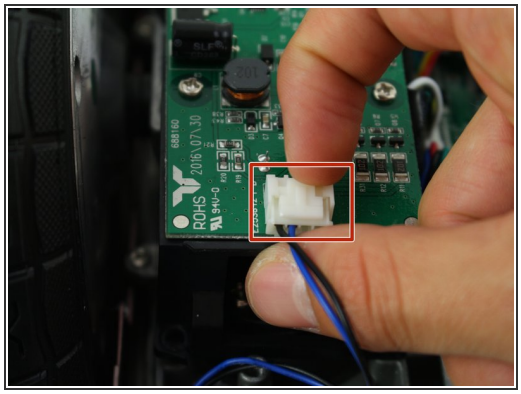
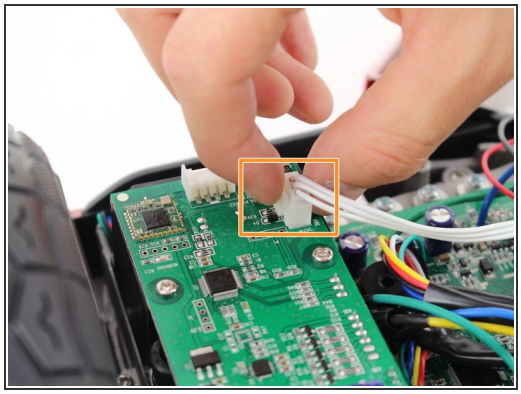
Step 3

- Remove the base plate by lifting it up.

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

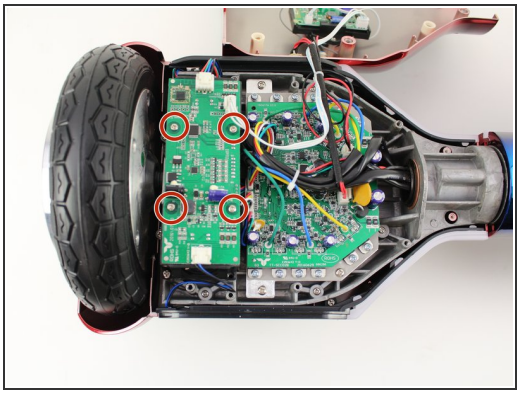




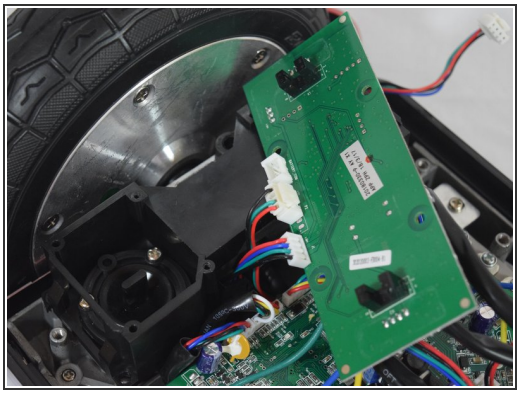
- Remove the two connectors on either side of the board by lifting the tab and pulling out.
- Remove the connector in the middle of the board by squeezing the tab and pulling up.

Step 5

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

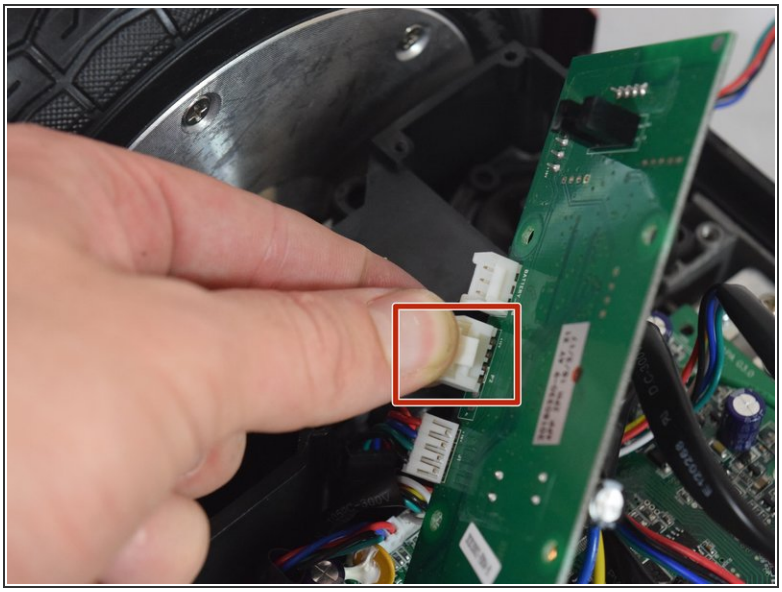
Step 6

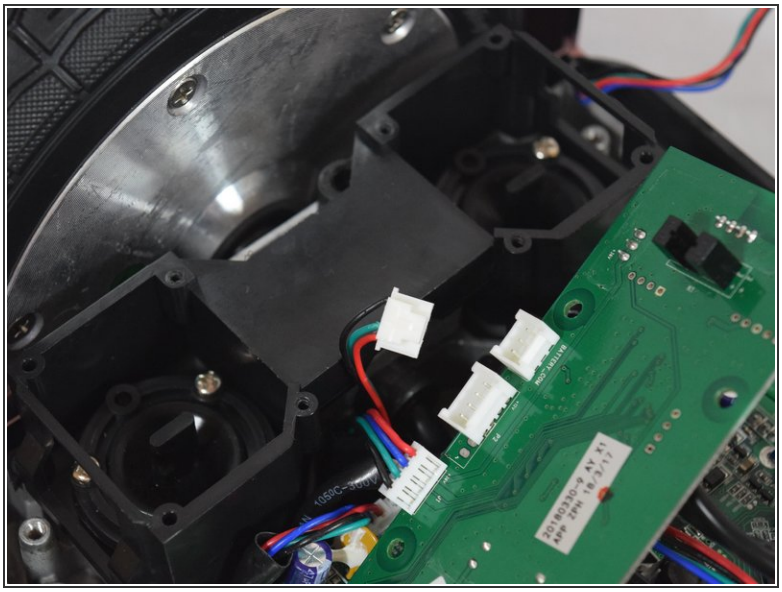




- Remove the four 11mm Phillips #1 screws that attach the gyroscope board to the mount.
- Lift the board to reveal the connections on the bottom.

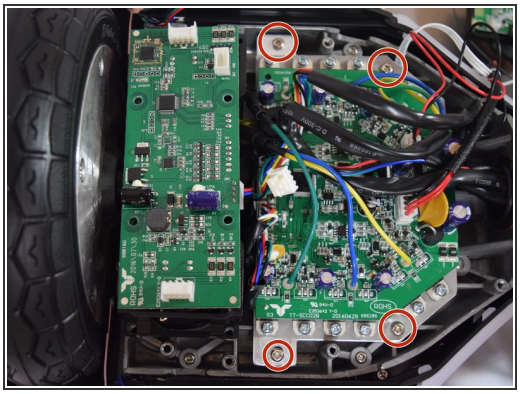
Step 7

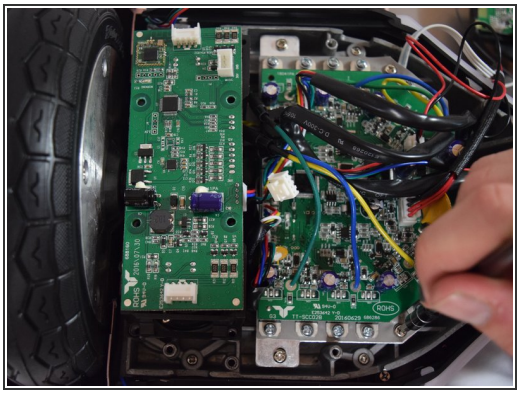




- Remove the middle connector by squeezing the top of the tab and pulling up.

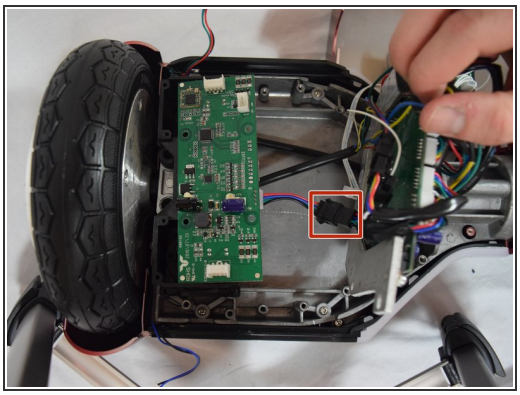
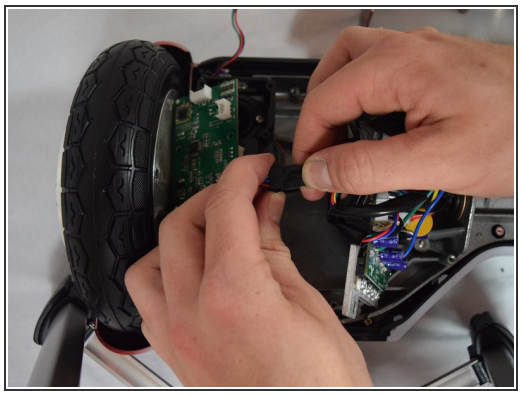
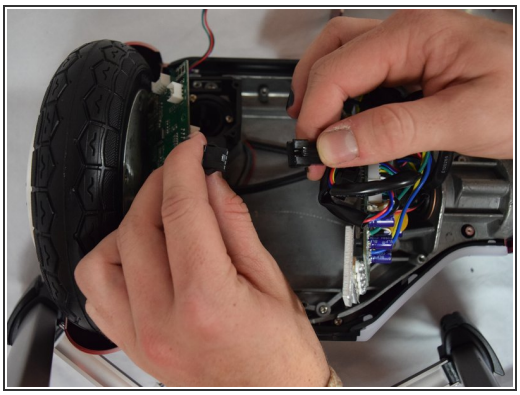
Step 8





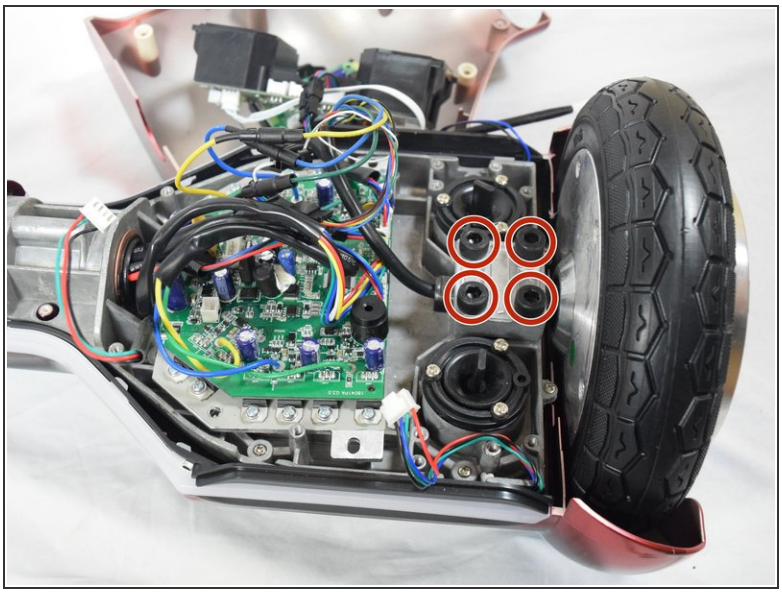
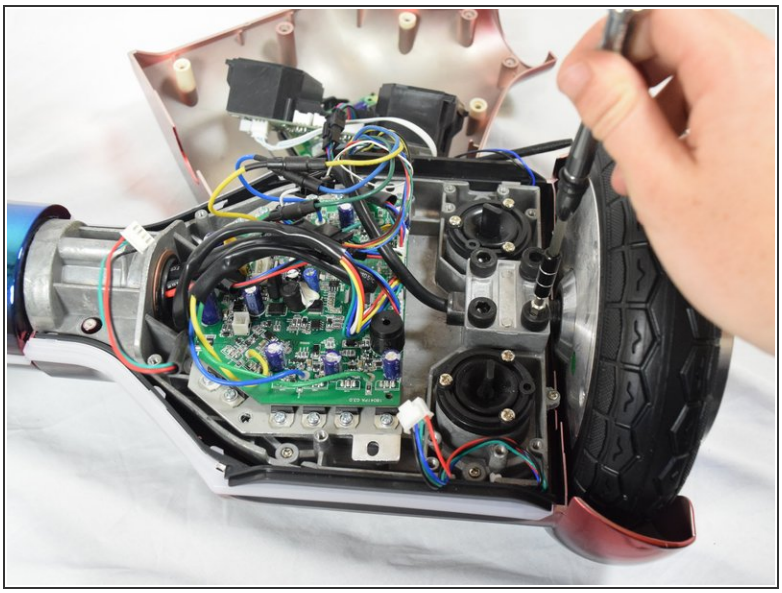
- Remove the four 12mm Phillips #2 screws that hold the motherboard to the base.
- Pull the motherboard away from the gyroscope by grabbing it with two hands and pulling it to the right .

Step 9

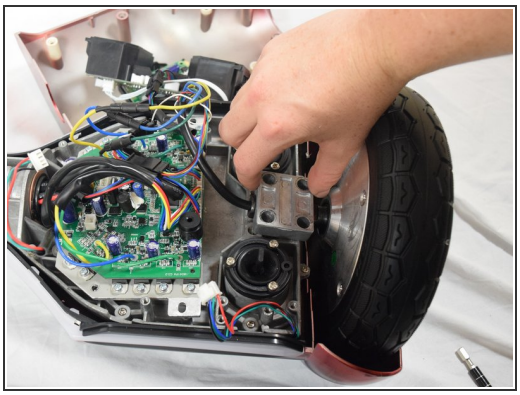
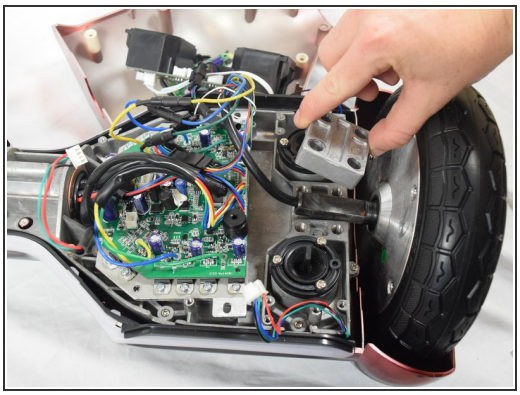
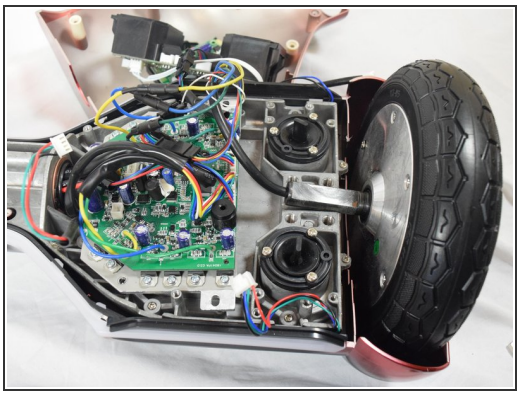
- Unclip the black connector by squeezing both sides and pulling them apart.

Step 10 — Wheel Wires

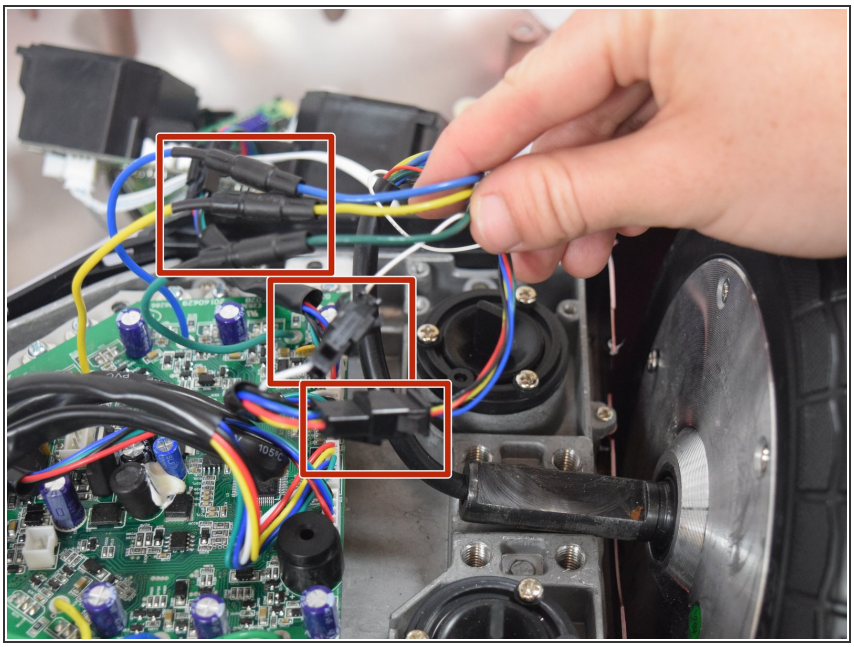
- Remove the four 30mm Hex #6 screws.

Step 11

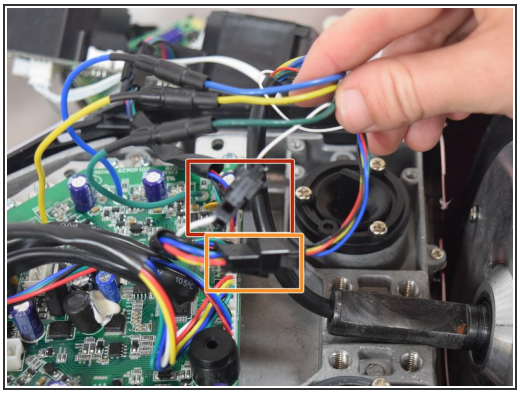
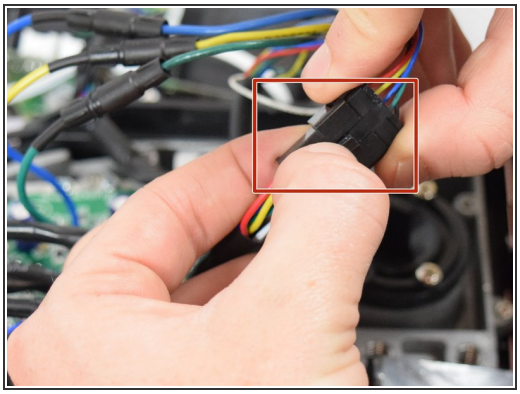
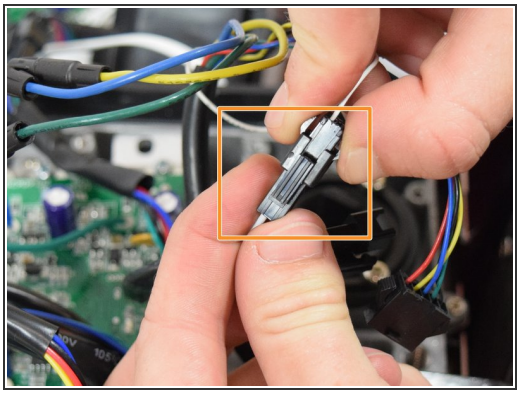
- Remove the metal square by lifting it up and setting it to the side.

Step 12



- Check that all the clips are secured properly.

Step 13

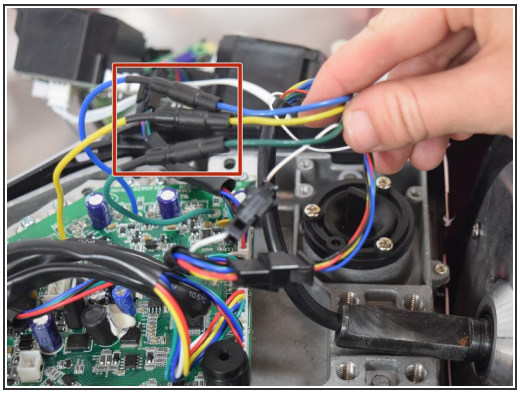
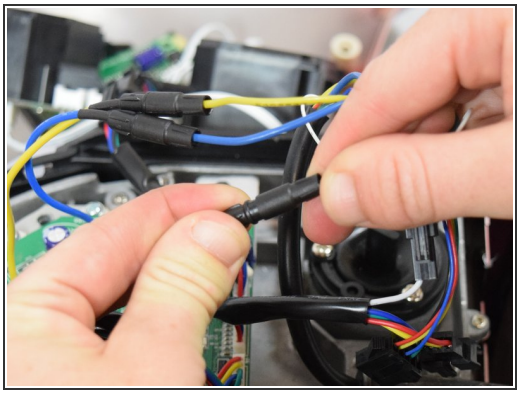
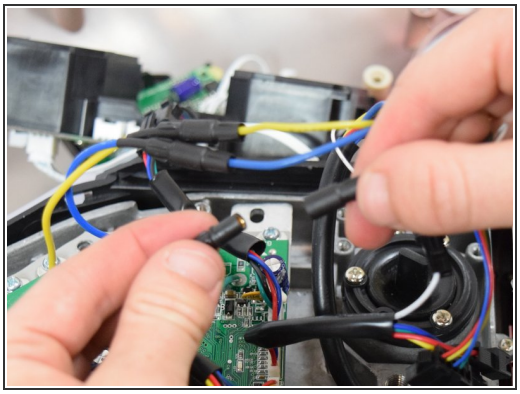
- Remove the clip by squeezing the latch that holds the clips together while pulling apart.

Check motion of the wheel after the clip is disconnected. If the wheel is still stuck, reconnect the clip and disconnect the next one.

- Remove the clip by squeezing the tab while pulling the clip apart.

Check motion of the wheel after the clip is disconnected. If the wheel is still stuck, reconnect the clip and disconnect the next one.

Step 14

- Disconnect the remaining three clips by pulling them apart.

After each clip is disconnected, check to see if the motion of the wheel has improved. If the wheel is still stuck, reconnect the clip and unclip the next one.

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

