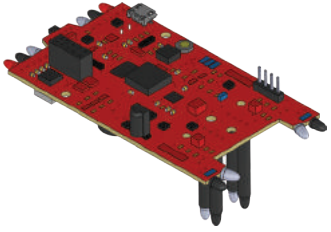


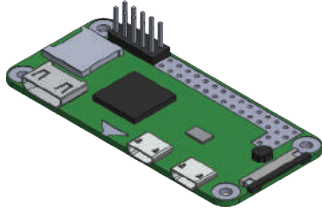
Quick Start Guide

Parts List

Hardware & Electrical Components



Zümi board



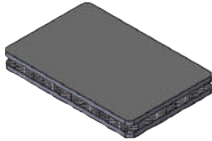
Raspberry Pi Zero



OLED screen



Battery



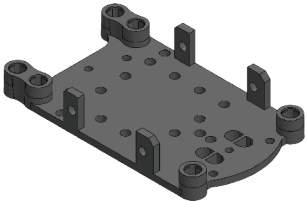
Velcro



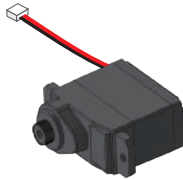
PiCam ribbon cable



Mounting bracket



Chassis



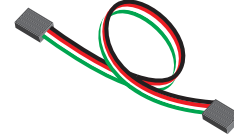
Motors x2



Wheels x2



Pi Camera



Jumper wire



microSD Card



Zümi shell

Fasteners



Long plug standoff x3



Long socket standoff x2



Short socket standoff x2



Short plug standoff x2



Motor screws x6



Thick silver screws x10

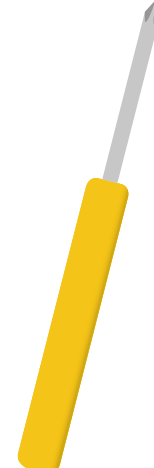


Thin silver screws x6

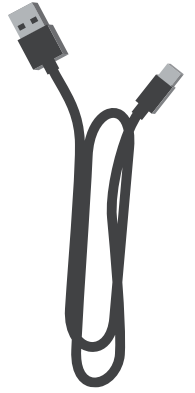


Mounting screws x8

Tools



Screwdriver

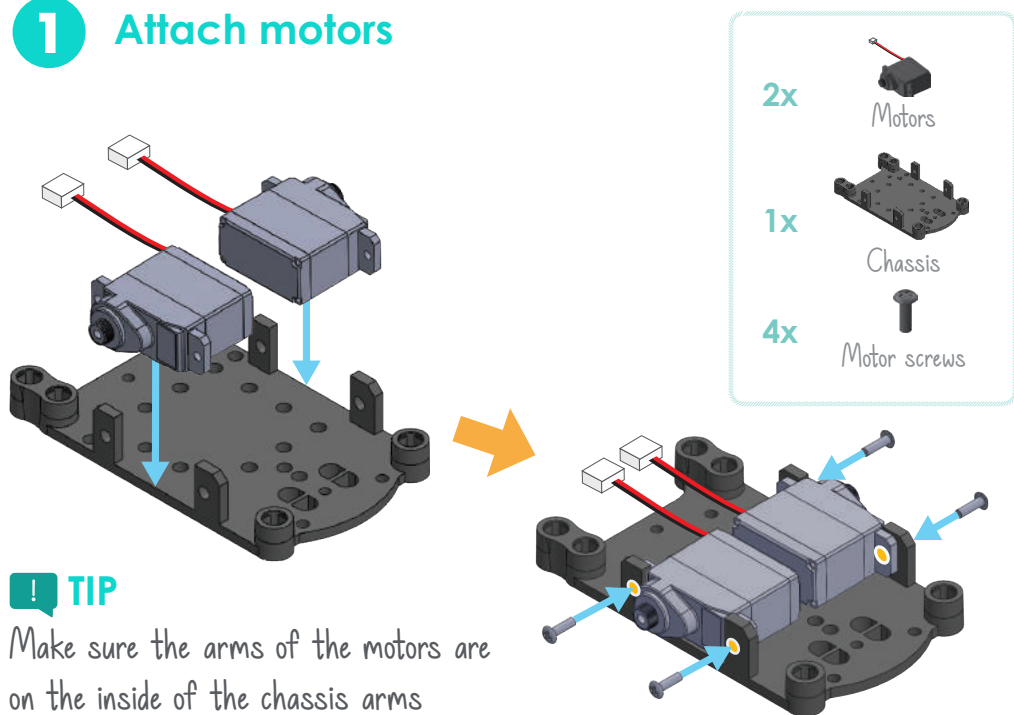


Micro USB Cable

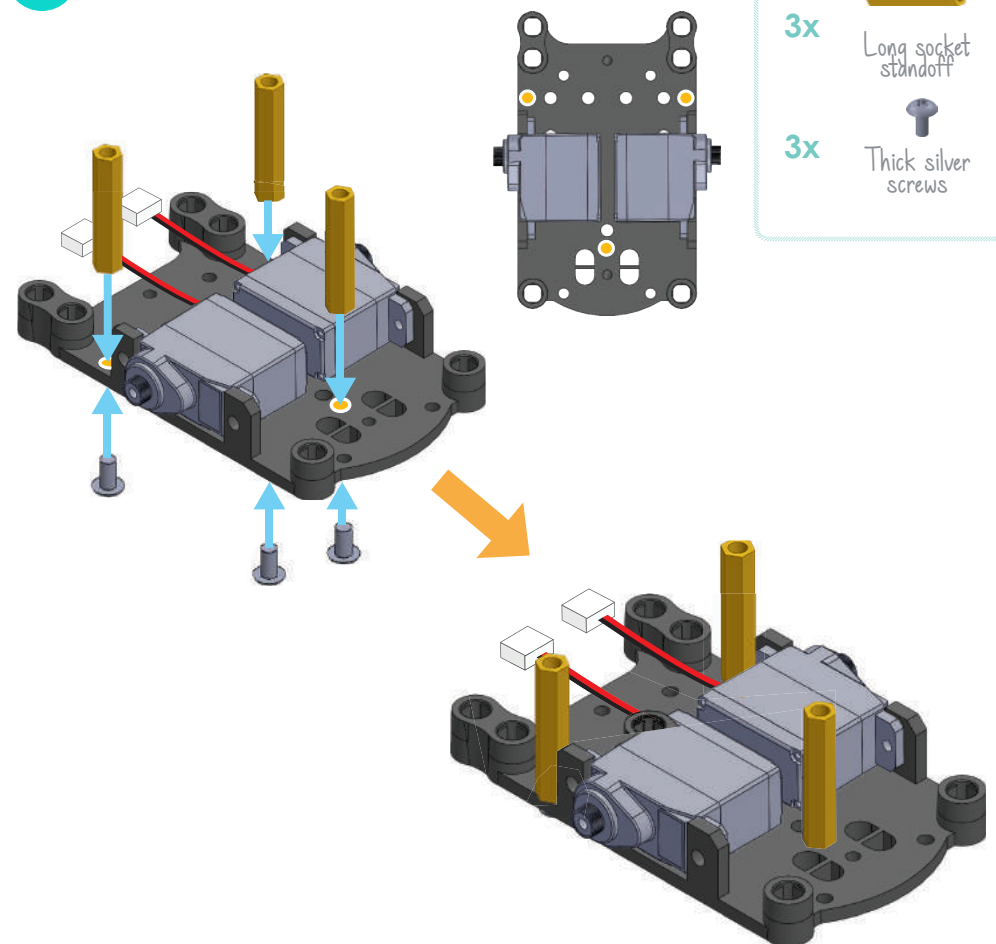
Building Zümi

Zümi has to be assembled before she comes to life. Help put her together by following these steps.

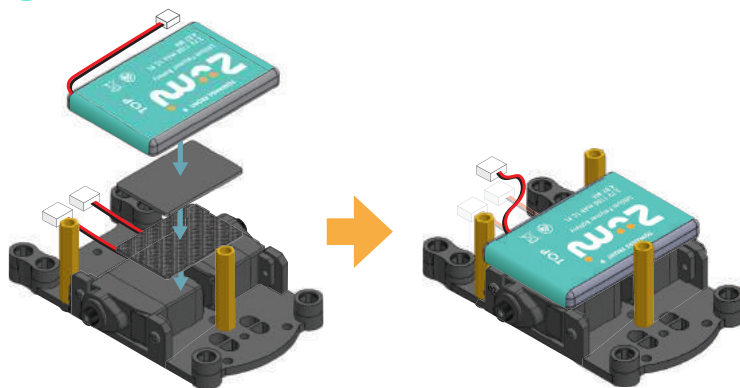
1 Attach motors



2 Add standoffs to the chassis

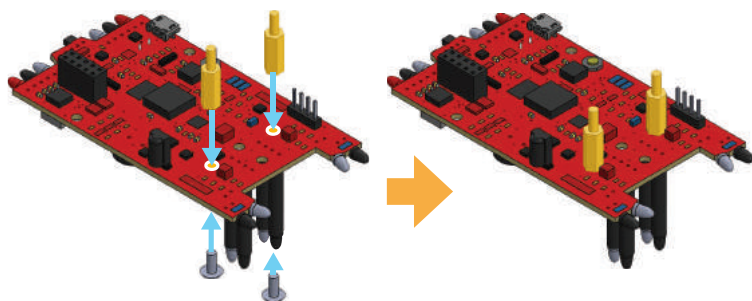


3 Attach the velcro and battery



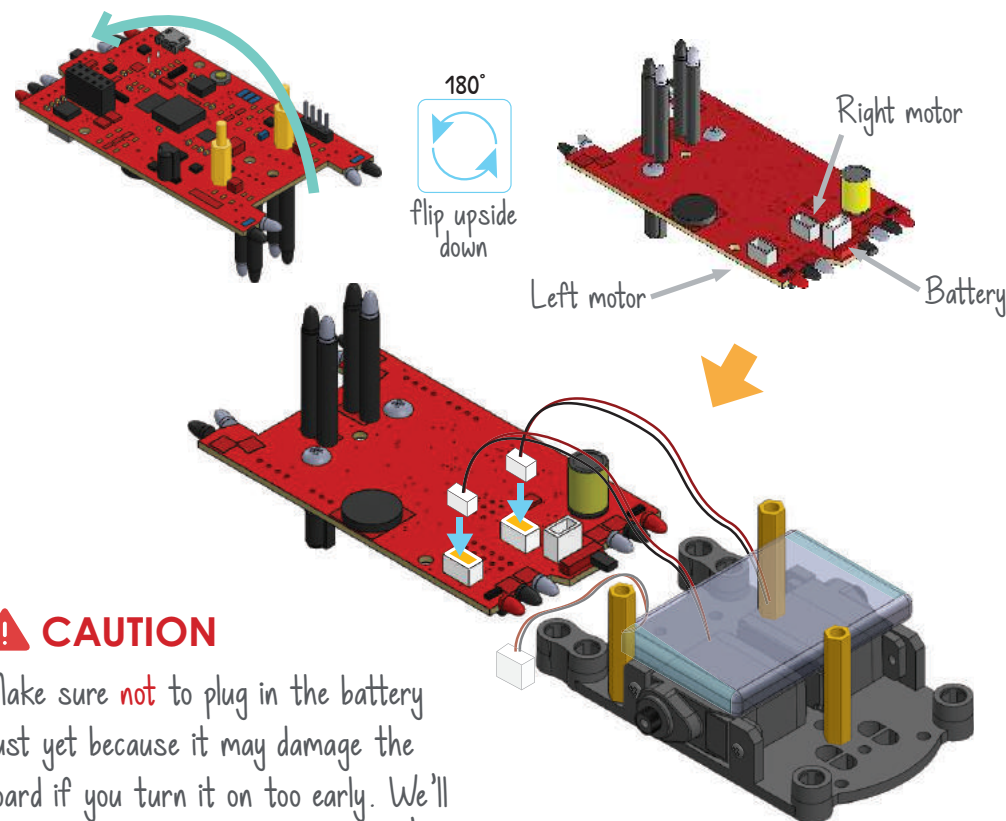
- 1x Battery
- 1x Velcro

4 Add standoffs to the Zumi board



- 1x Zumi board
- 2x Short, plug standoff
- 2x Thin silver screws

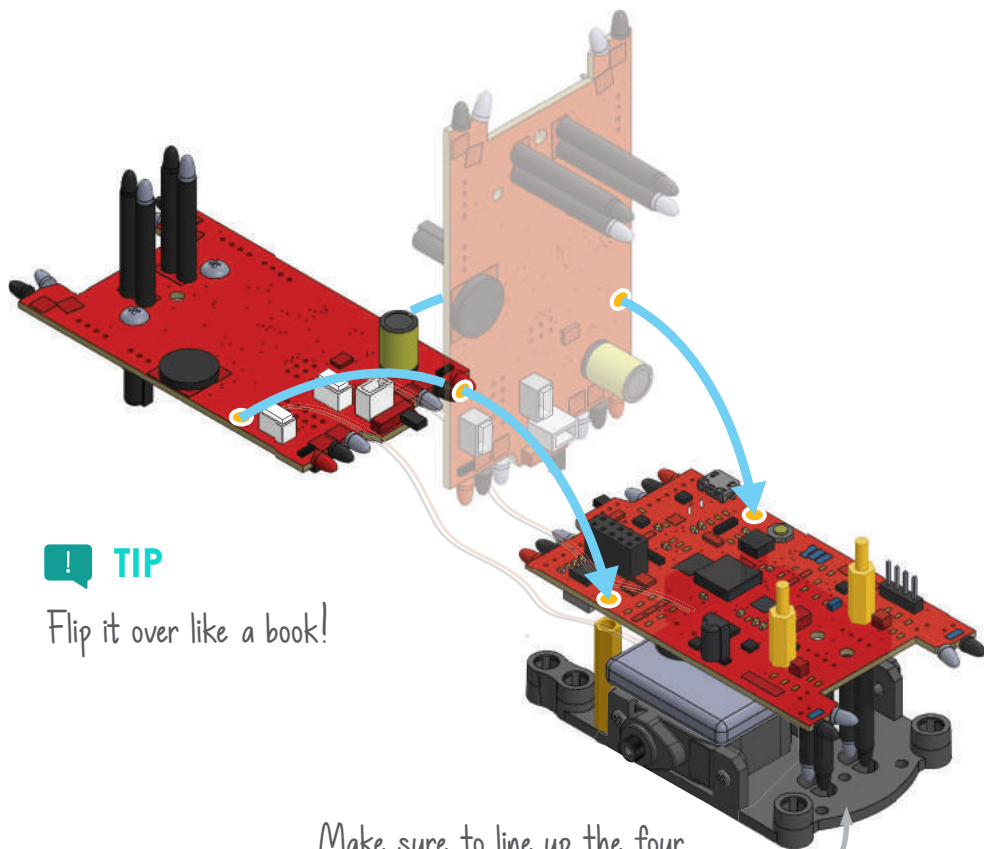
5 Connect the motor wires only



! CAUTION

Make sure **not** to plug in the battery just yet because it may damage the board if you turn it on too early. We'll connect the battery in the last step!

6 Flip the Zümi board on top of the chassis

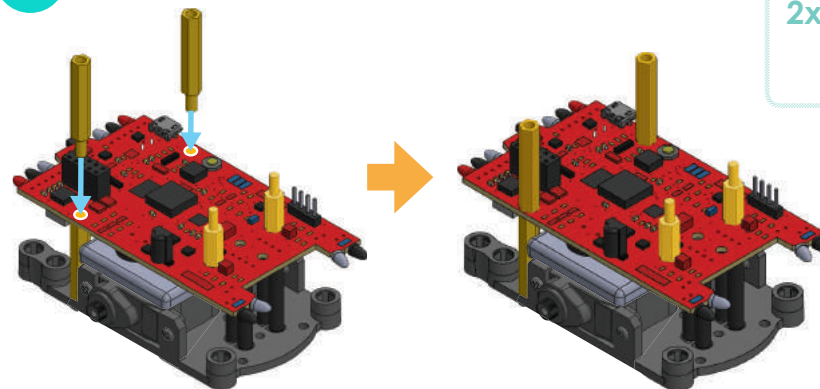


TIP

Flip it over like a book!

Make sure to line up the four lights with the chassis holes

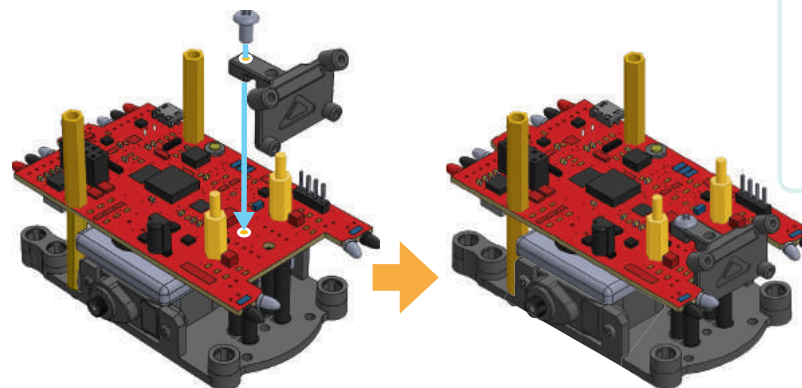
7 Add standoffs to the Zümi board



2x

Long plug
standoff

8 Attach the mounting bracket



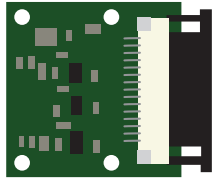
1x

Mounting bracket

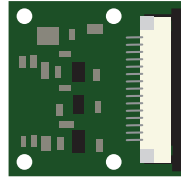
1x

Thick silver
screw

9 Insert the ribbon cable into the Pi Camera latch



Open

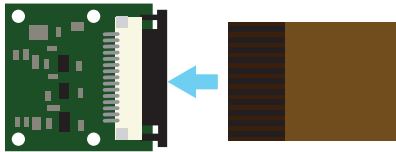


Close

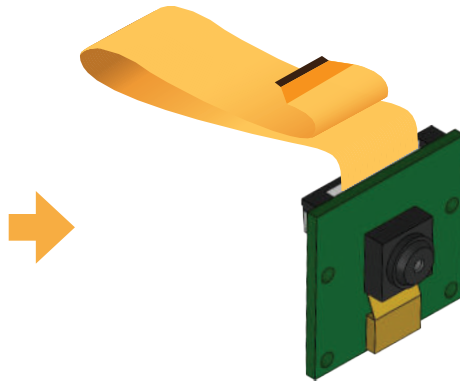
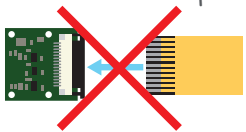


TIP

In order to attach the Ribbon Cable to the Pi Camera, you need to open the latch, insert the cable, then close the latch



Dark Side Up!



1x



Pi Camera

1x



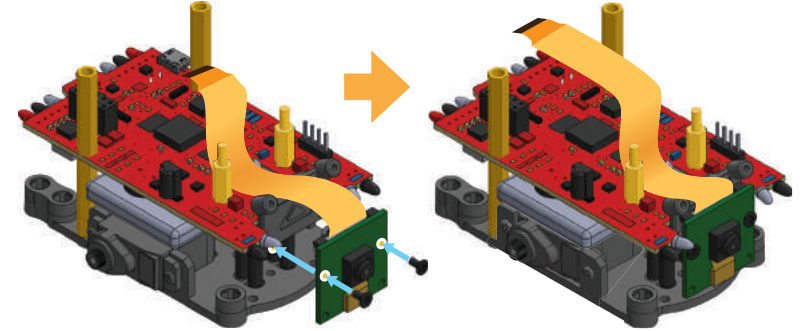
PiCam Ribbon

10 Attach the Pi Camera to the mounting bracket



TIP

The PiCam is attached to the lower two holes of the mounting bracket

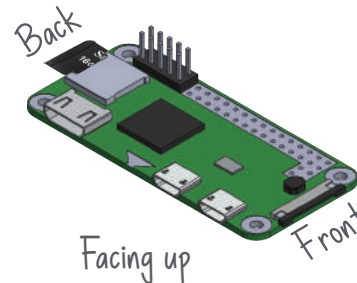


2x



Mounting screws

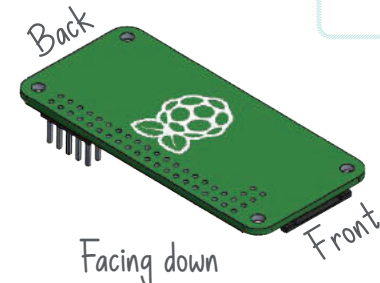
11 Connect the Pi Camera to the Pi Zero, and attach it to the Zümi board



Back

Facing up

Front



Back

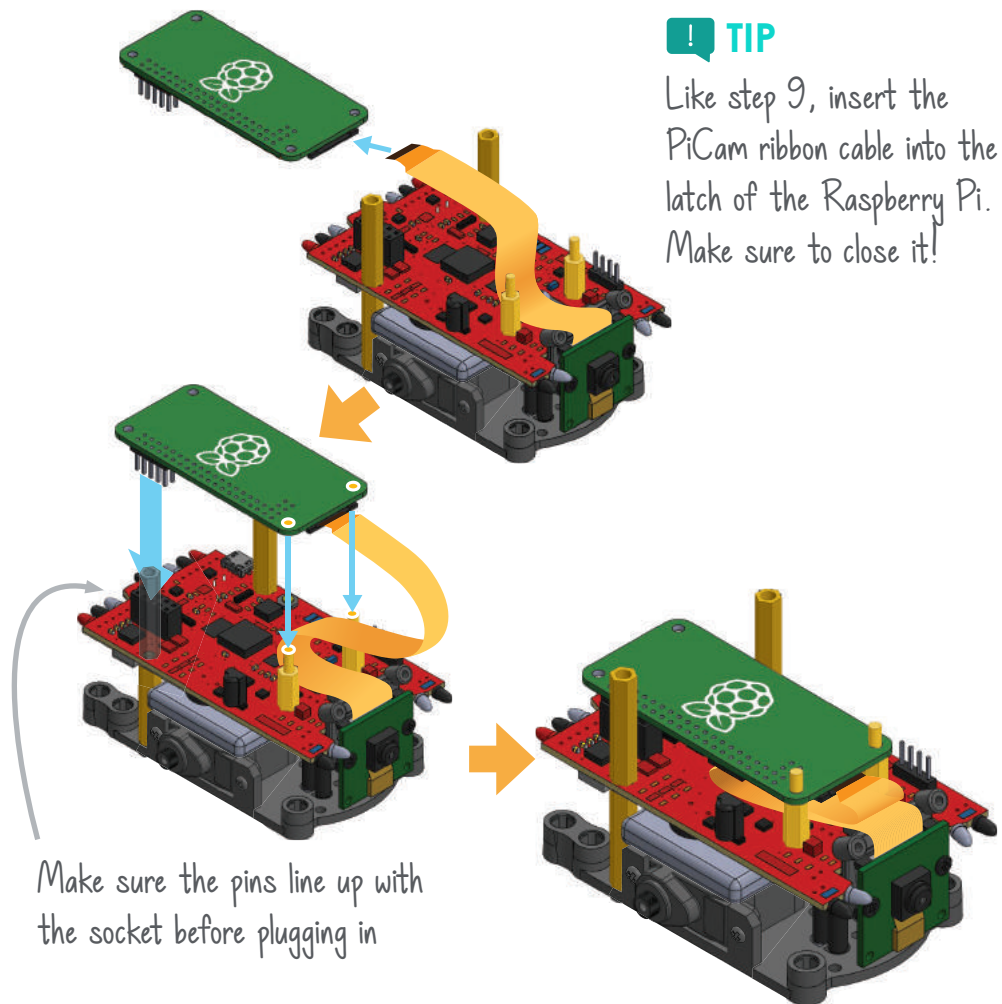
Facing down

Front

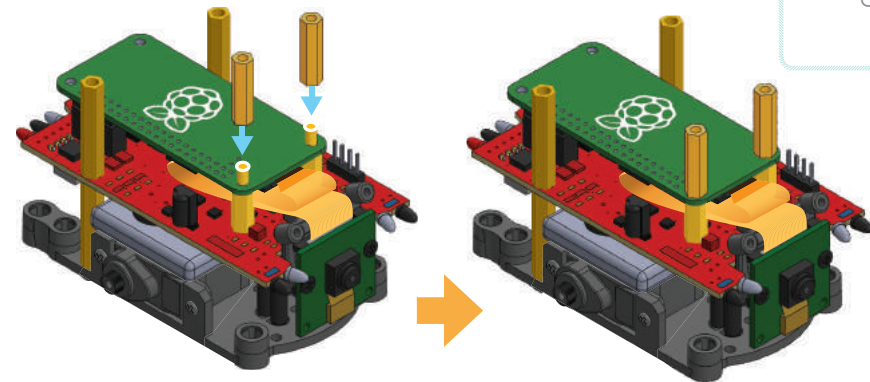
1x



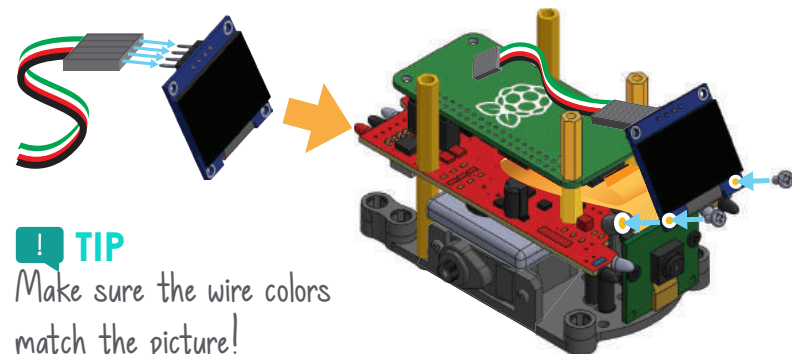
Raspberry Pi Zero



12 Add standoffs

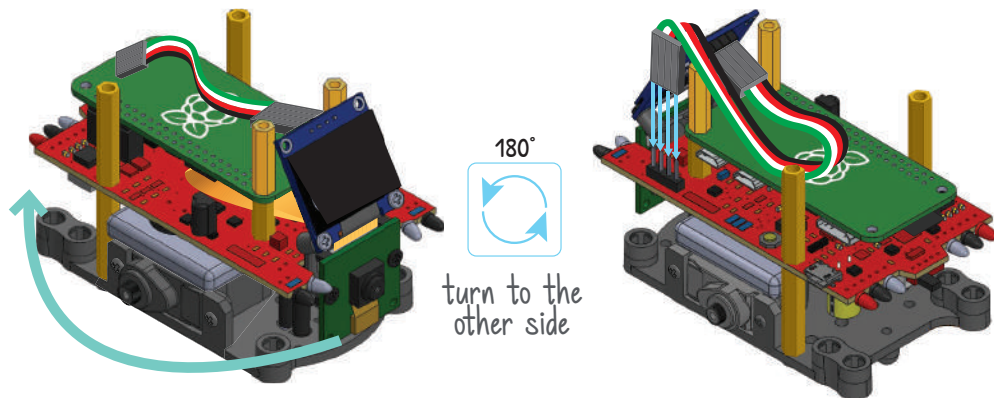


13 Insert the jumper wire into the OLED screen, mount it to the bracket



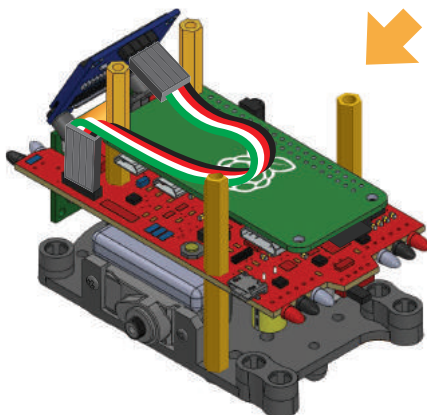
- 1x OLED screen
- 1x Jumper wire
- 2x Mounting screws

14 Plug the jumper wire into the four-pin socket on the Zümi Board



! TIP

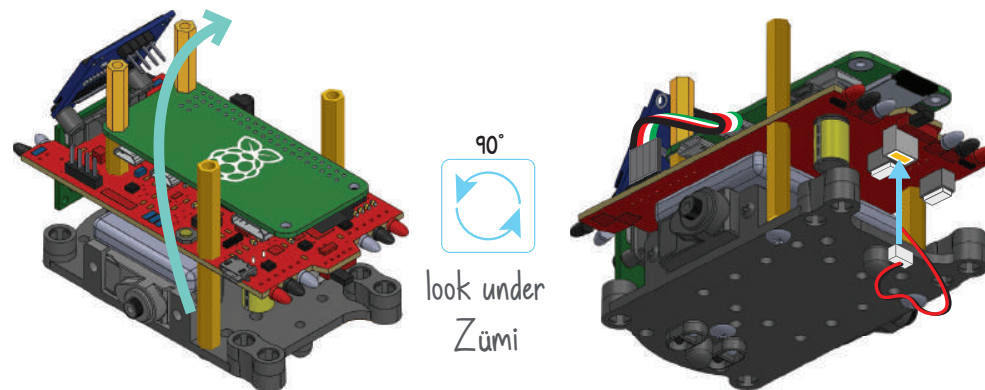
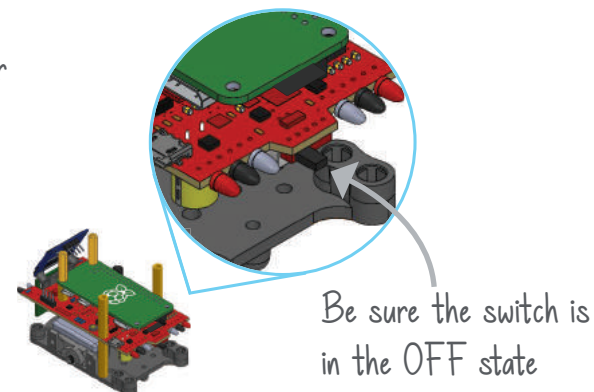
Make sure your wire colors match the picture, otherwise your screen won't work



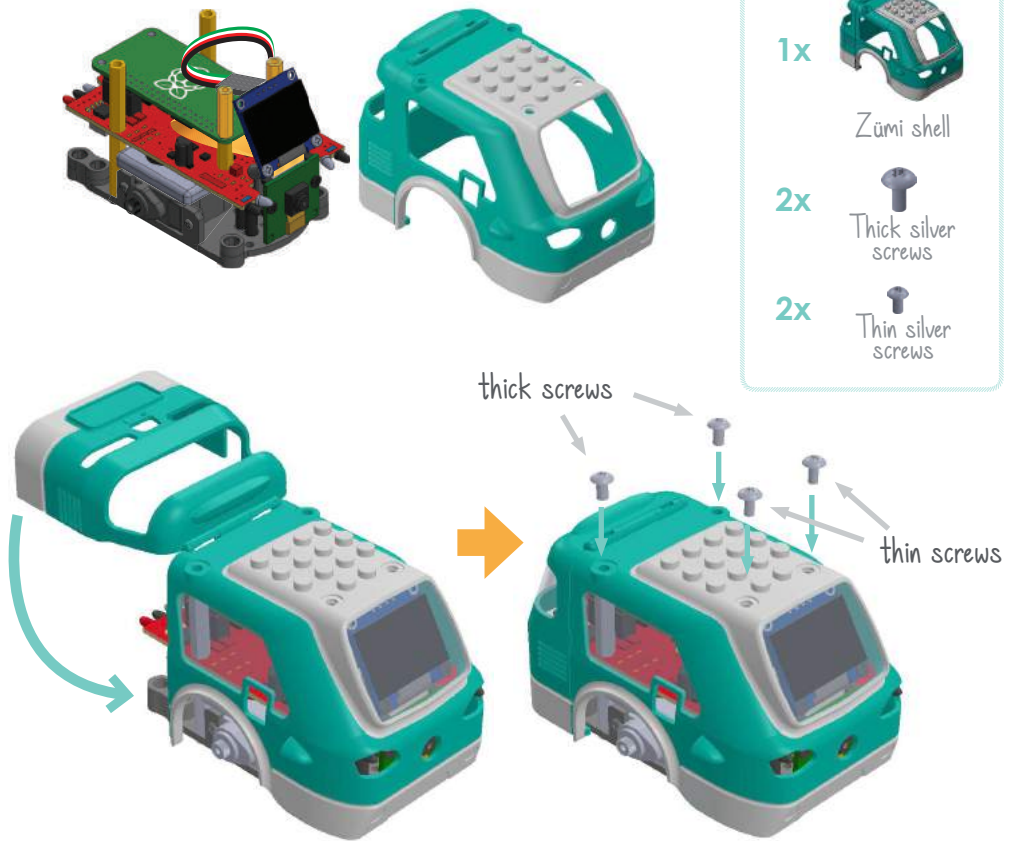
15 Connect the battery's wire to the Zümi board

! CAUTION

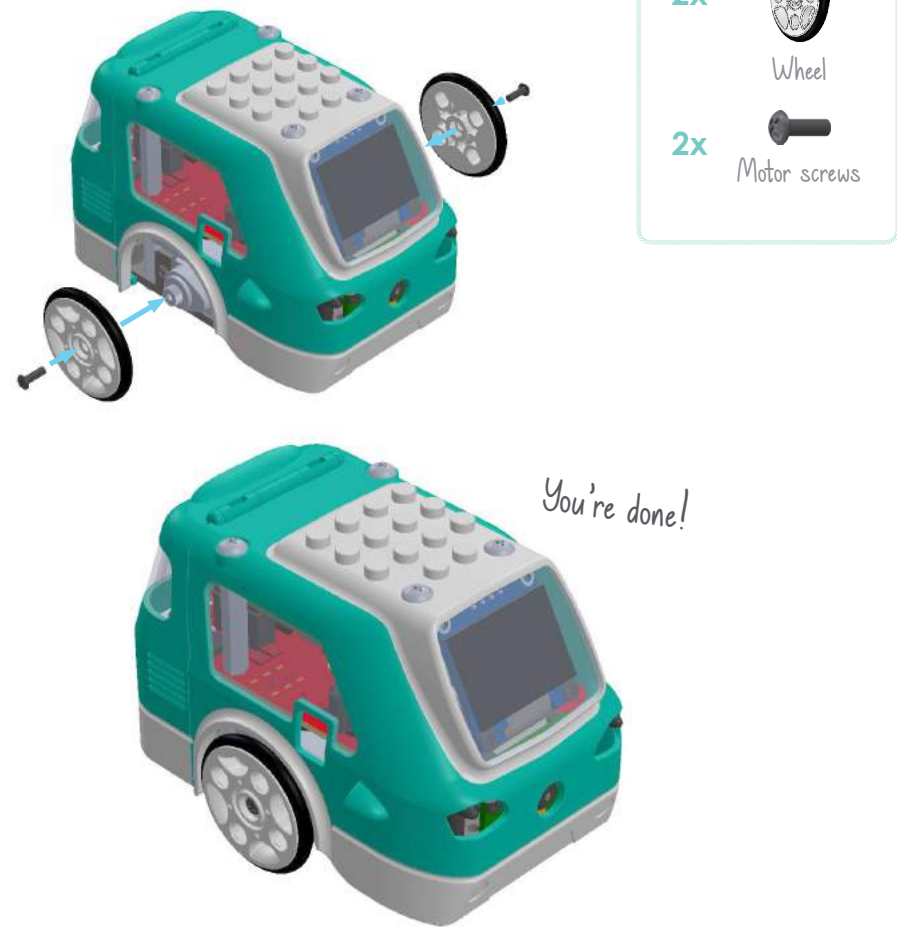
Make sure **not** to connect or disconnect components when Zümi is on



16 Attach the shell



17 Add the wheels



Powering and Charging

Charging Zümi

Plug Zümi in with the switch off ('O' position) to charge



Looking for Zümi on Mac

Make sure to get Zümi online so she can get the latest updates!

TIP

If you don't see Zümi's name, try turning your device's WiFi off and back on

(Chromebooks work too!)
Looking for Zümi on Windows

Getting Zümi Online

After Zümi boots up, she'll tell you her name.

You will need **a computer with WiFi**. You can access her dashboard once you connect to her WiFi signal. Look for her name on your device's WiFi list.

The **password is just the same as her WiFi name**.

Looking for Zümi on Mac



Make sure to get Zümi online so she can get the latest updates!

TIP

If you don't see Zümi's name, try turning your device's WiFi off and back on

(Chromebooks work too!)

Looking for Zümi on Windows





www.robolink.com