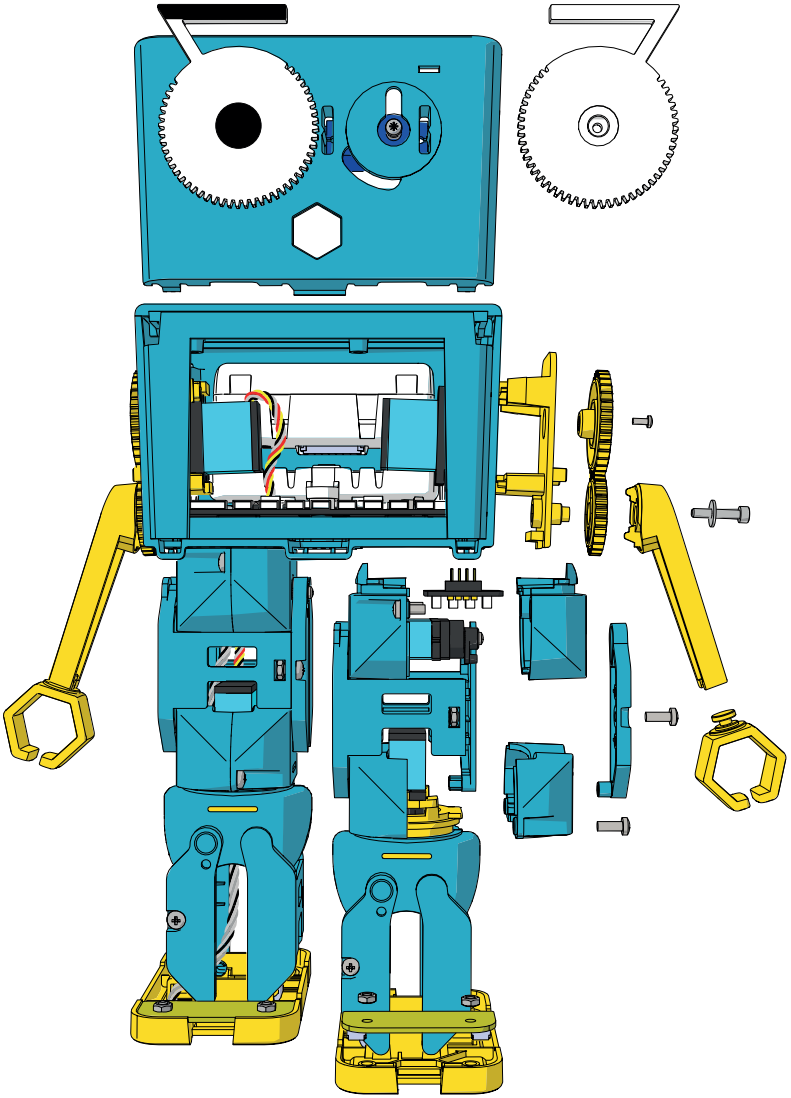


MARTY THE ROBOT

Build Guide

SCREW GUIDE

When you see an icon like this A use the SCREW GUIDE below to select the correct screw.

A

Size Guide

Body Screw

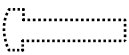
C

Size Guide

Shoulder Screw

B

Size Guide



Arm Screw

D

Size Guide

Motor Eye Screw

WHERE TO START!

Robot Kit - Step 1

Partly-assembled Kit - Step 18

Assembled Robot - Ready to Code

TOP TIPS

Get help from an adult if you're under 14.

Pay attention to the part orientation.

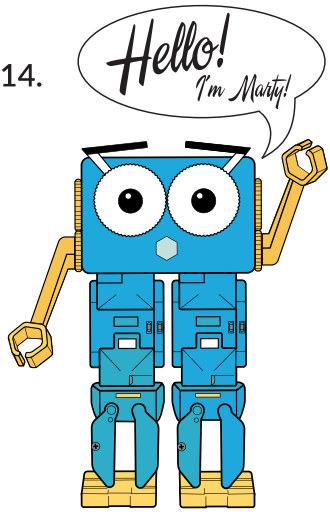
Try not to trap or squish the cables.

Check you have all the parts.

Be gentle with the motors.

Do the steps in order.

Have fun!



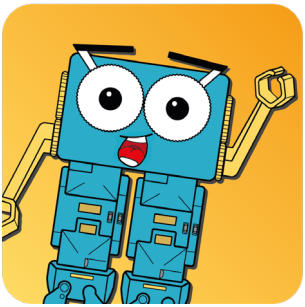
Top Tip: Use the Marty App for extra help including videos & support.

MARTY THE ROBOT APP

Before you get started with the build, download the ***Marty the Robot*** mobile and tablet app to get access to build videos and support along with a step-by-step guide to setting up your Marty.

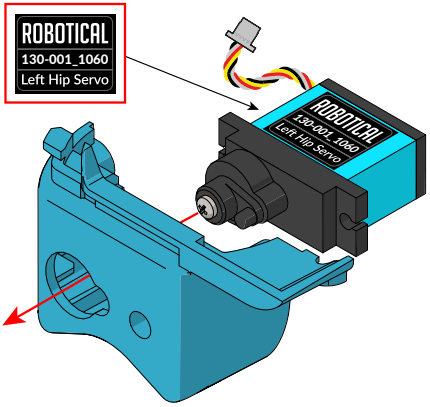
ANDROID APP ON Google play

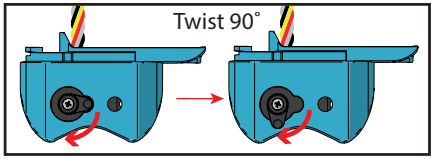
Available on the App Store



1-L
LEFT LEG

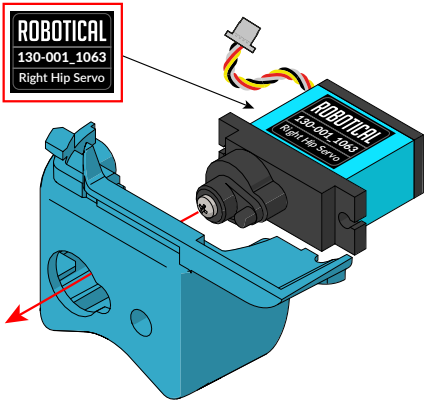
x 1 x 1

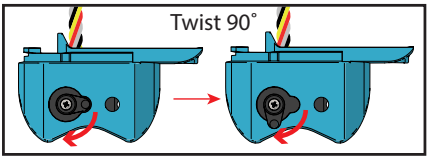




1-R
RIGHT LEG

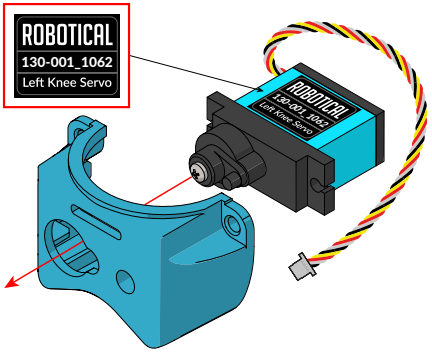
x 1 x 1

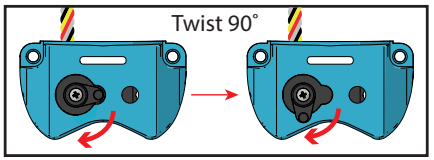




2-L
LEFT LEG

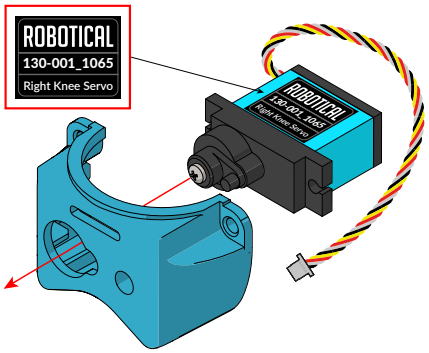
x 1 x 1

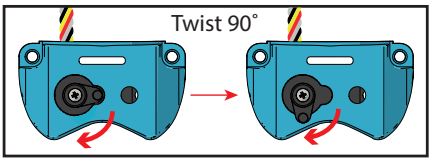




2-R
RIGHT LEG

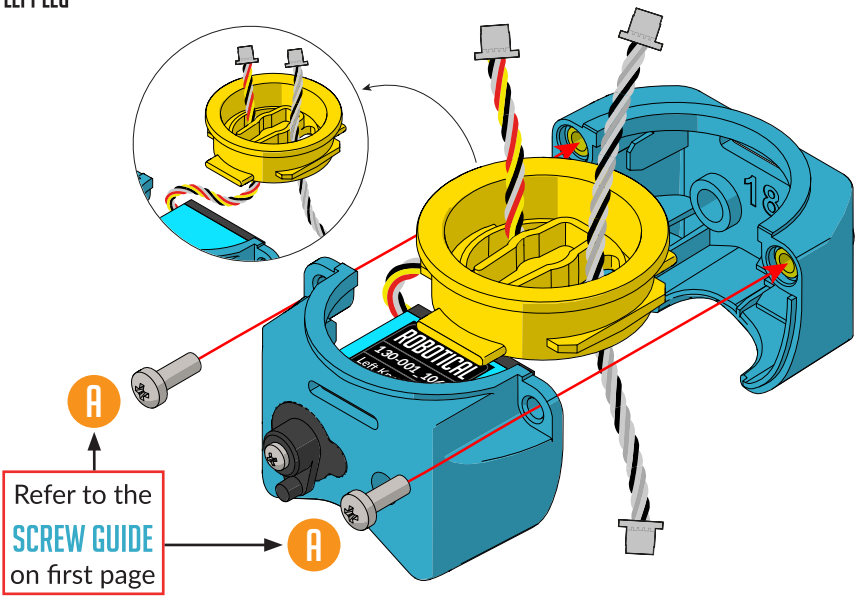
x 1 x 1





3-L
LEFT LEG

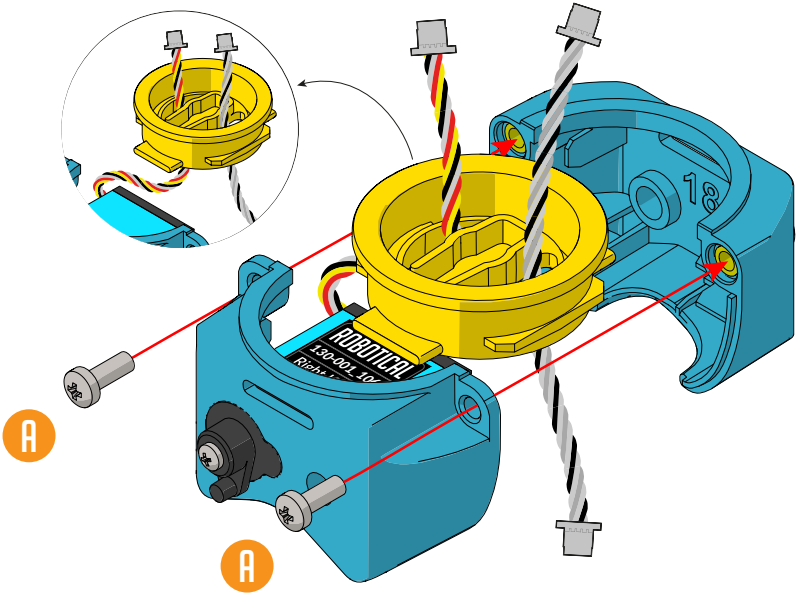
x 1 x 1 x 1 x 1



Refer to the **SCREW GUIDE** on first page

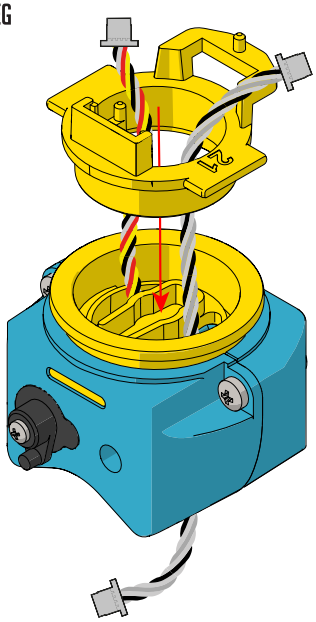
3-R
RIGHT LEG

x 1 x 1 x 1 x 1



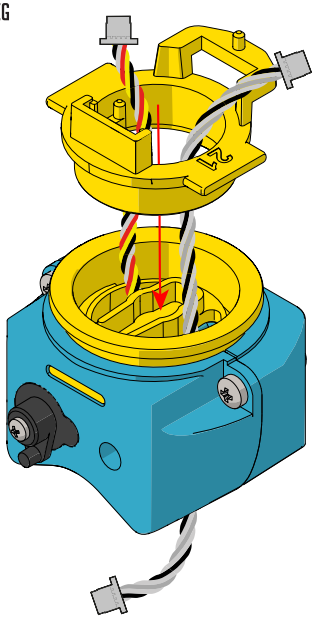
4-L
LEFT LEG

x 1 x 1



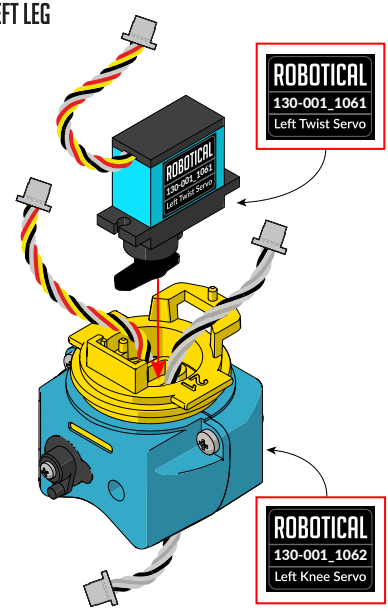
4-R
RIGHT LEG

x 1 x 1



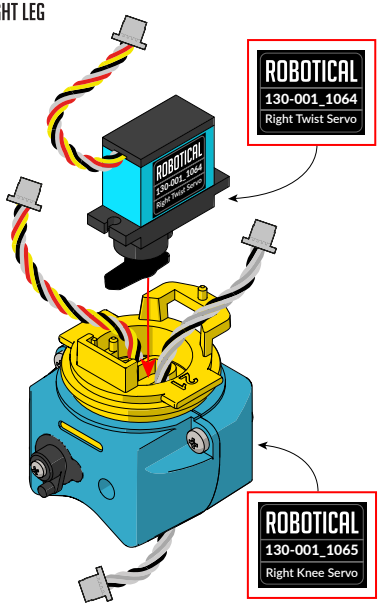
5-L
LEFT LEG

x 1 x 1



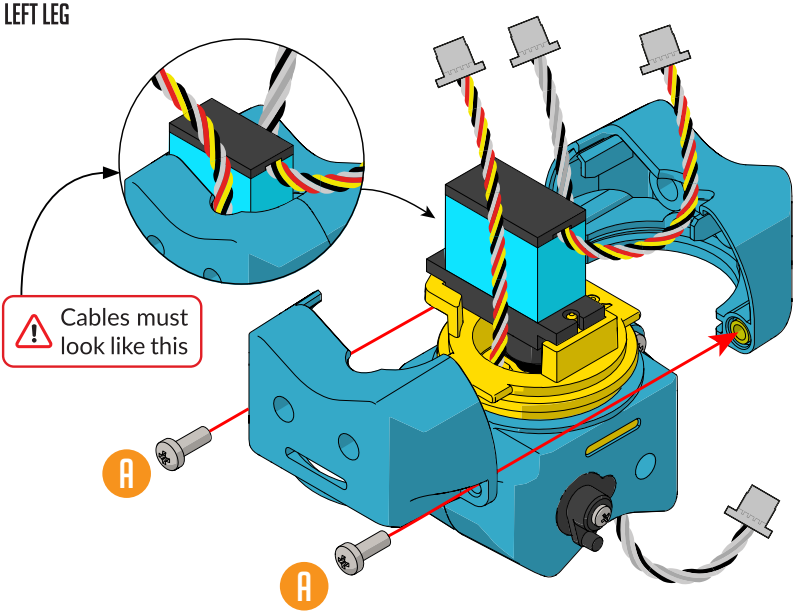
5-R
RIGHT LEG

x 1 x 1



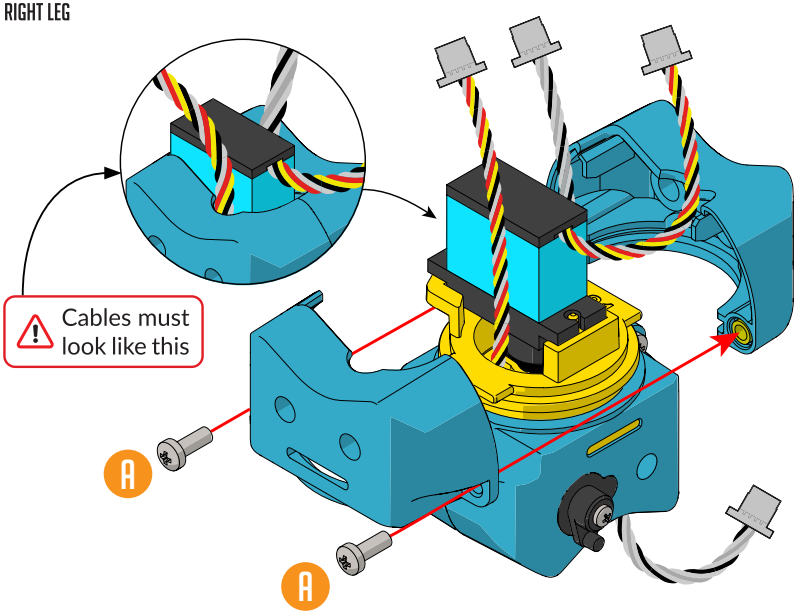
6-L
LEFT LEG

x 1 x 1 x 1



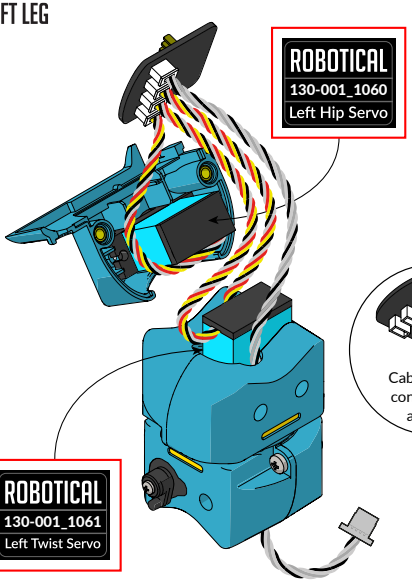
6-R
RIGHT LEG

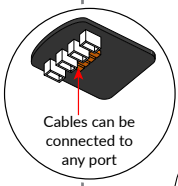
x 1 x 1 x 1



7-L
LEFT LEG

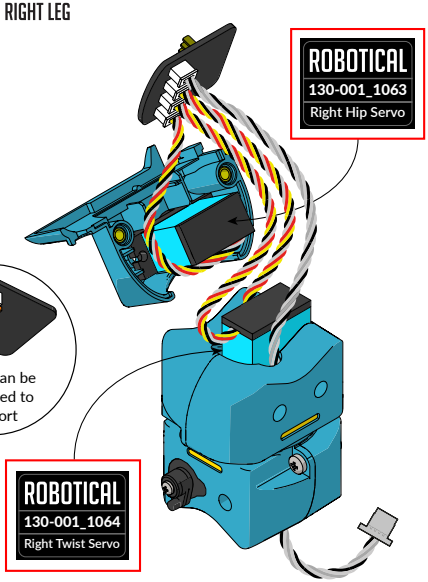
x 1 x 1 x 1





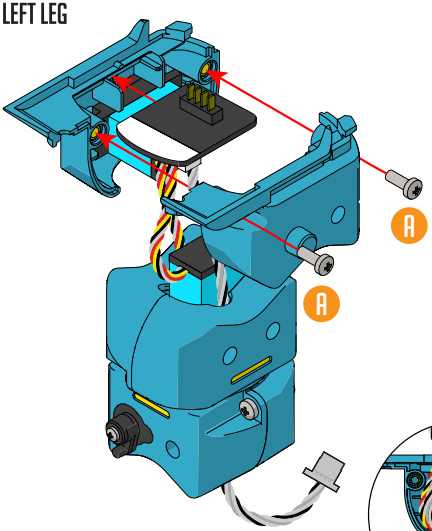
7-R
RIGHT LEG

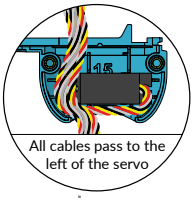
x 1 x 1 x 1



8-L
LEFT LEG

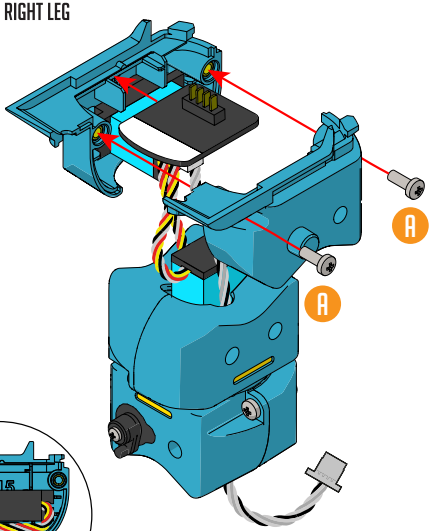
x 1 x 1





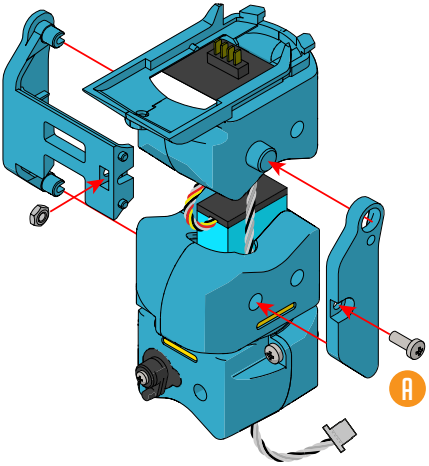
8-R
RIGHT LEG

x 1 x 1



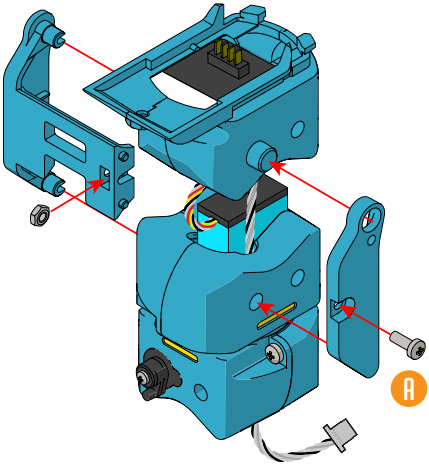
9-L
LEFT LEG

x 1 x 1 x 1



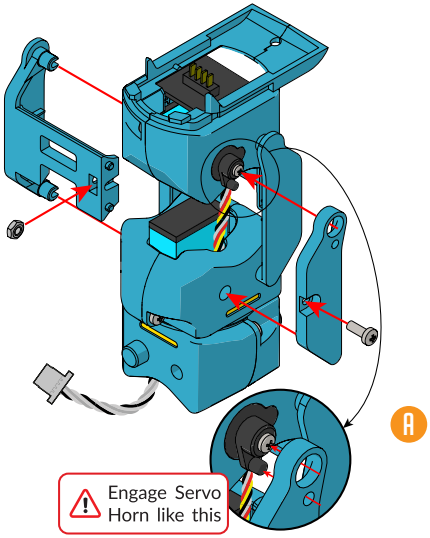
9-R
RIGHT LEG

x 1 x 1 x 1



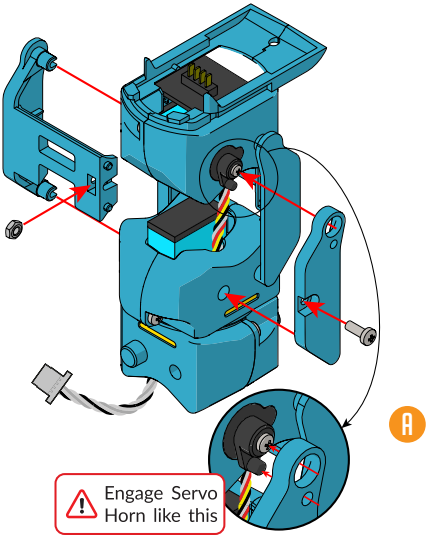
10-L
LEFT LEG

x 1 x 1 x 1



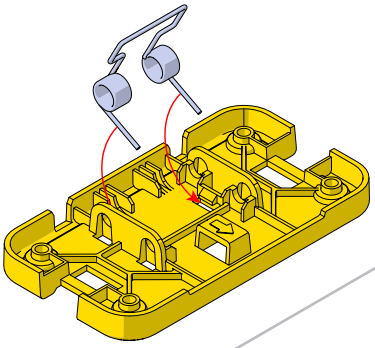
10-R
RIGHT LEG

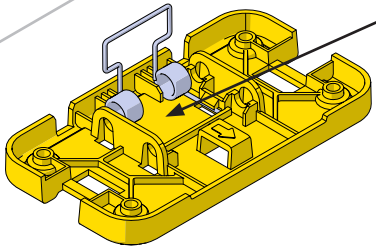
x 1 x 1 x 1

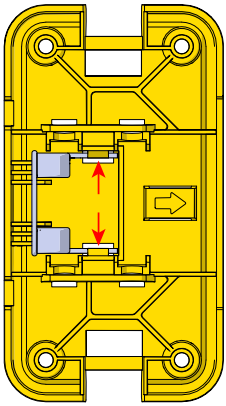


11

x 2 x 2

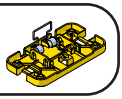






After assembly, secure the spring legs under the lips.

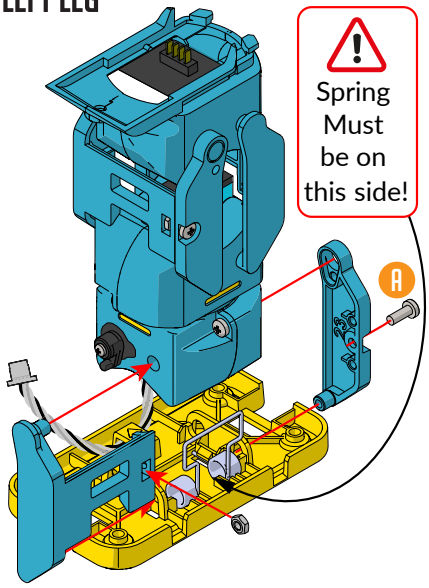
Build 2 feet



12

x 1 x 1 x 1 x 1

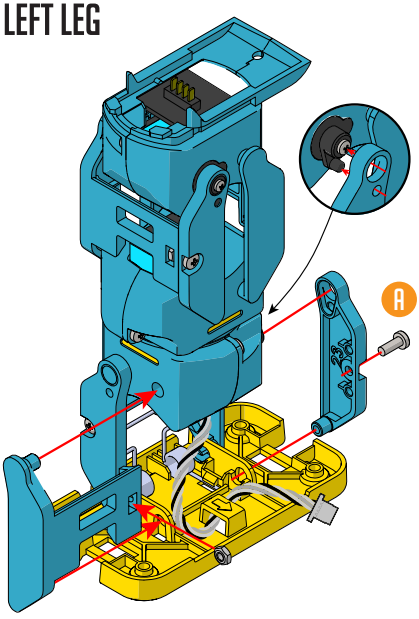
LEFT LEG



13

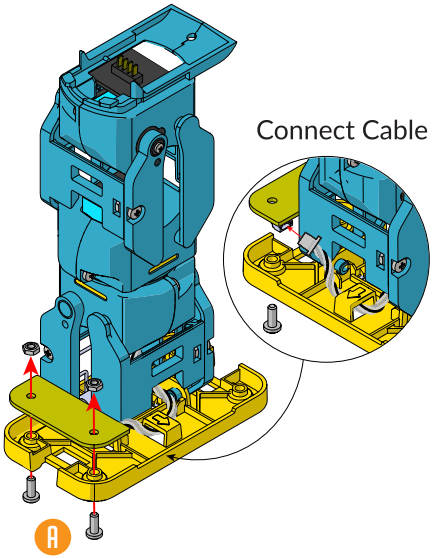
x 1 x 1 x 1

LEFT LEG



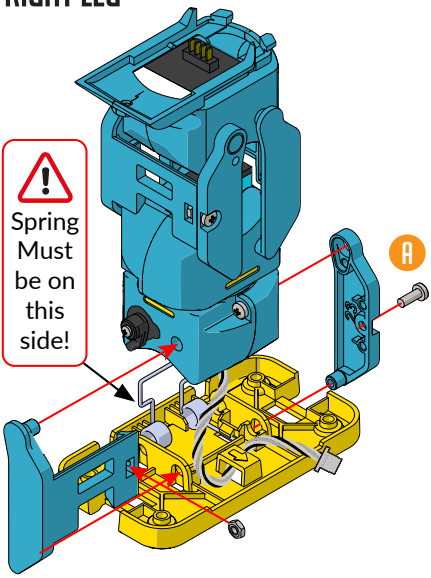
14 LEFT LEG

x 1 x 1



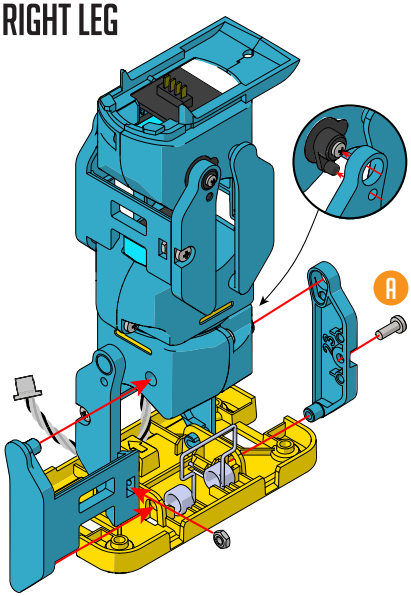
15 RIGHT LEG

x 1 x 1 x 1 x 1



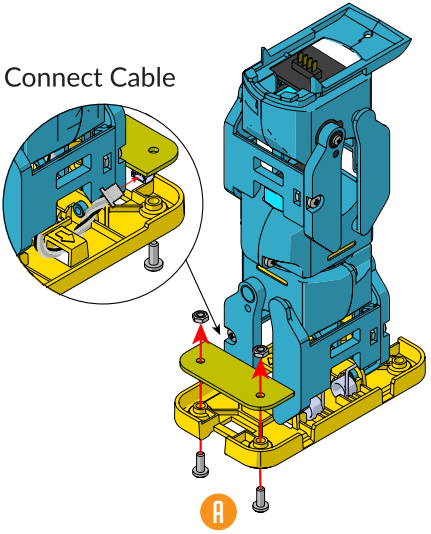
16 RIGHT LEG

x 1 x 1 x 1



17 RIGHT LEG

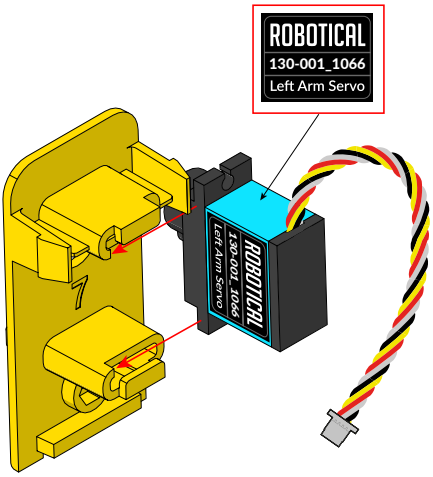
x 1 x 1



HAVE A PART-ASSEMBLED KIT? START FROM HERE!

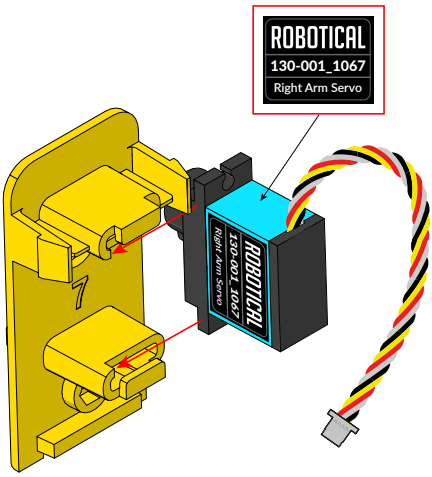
18-L
LEFT ARM

x 1 x 1



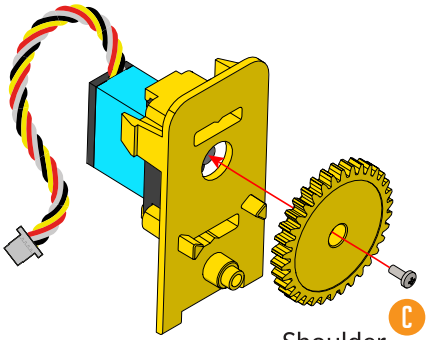
18-R
RIGHT ARM

x 1 x 1



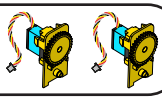
19

x 2 x 2



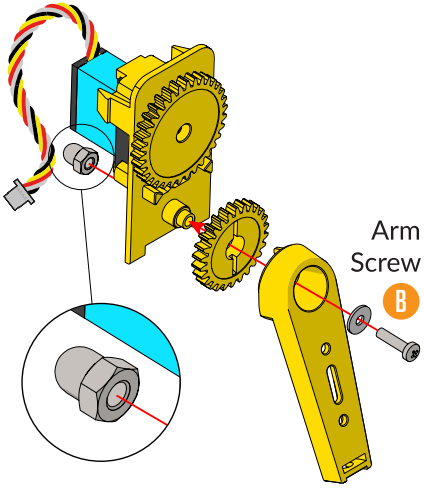
Refer to the SCREW GUIDE on first page

Build both arms

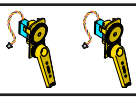


20

x 2 x 2 x 2

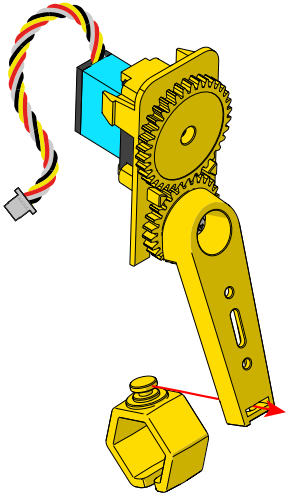


Build both arms

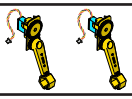


21

x 2 x 2

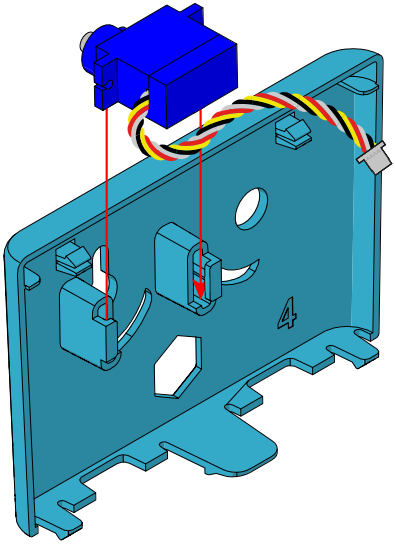


Build both arms



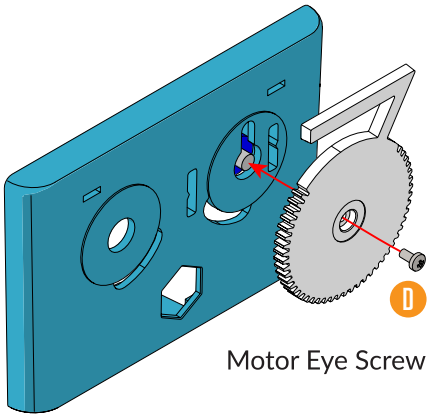
22

x 1 x 1



23

x 1 x 1

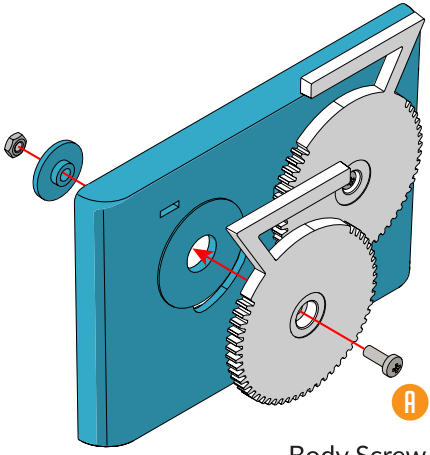


D

Motor Eye Screw

24

x 1 x 1 x 1

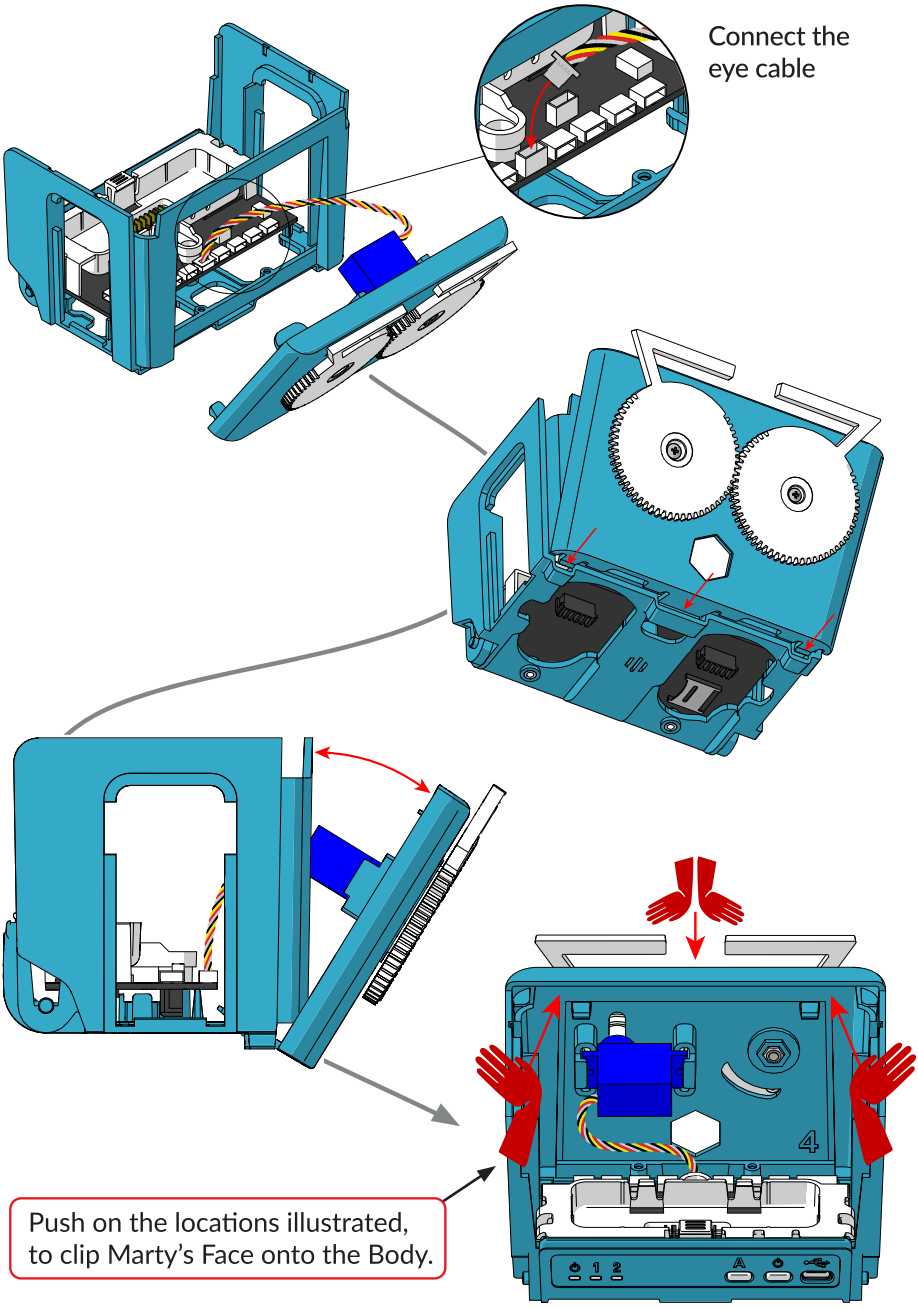


A

Body Screw

25

x 1 x 1

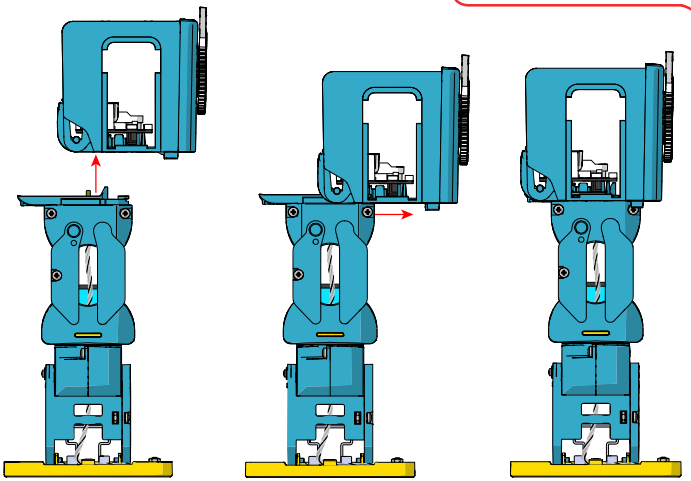

Connect the eye cable
Push on the locations illustrated, to clip Marty's Face onto the Body.

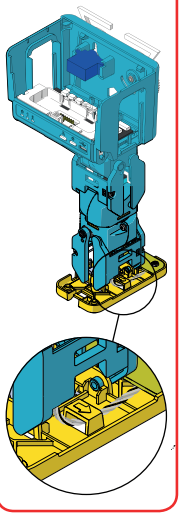
26

x 1 x 1

ATTACH RIGHT LEG TO THE BODY

Attached the leg as illustrated below. Pay attention to the position of the cable to highlight orientation.





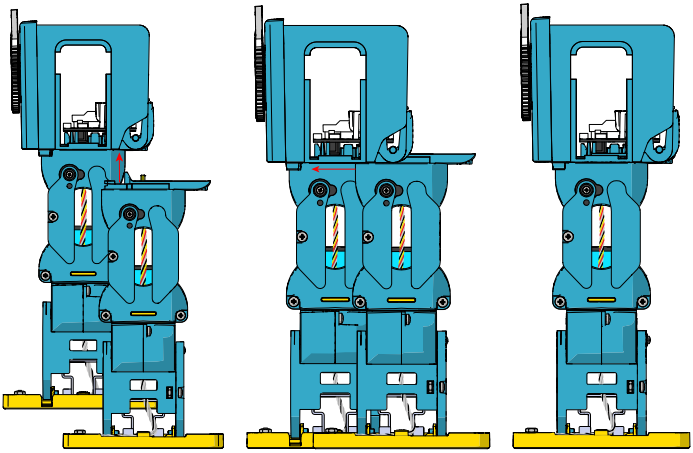
Step 1 Step 2 Step 3

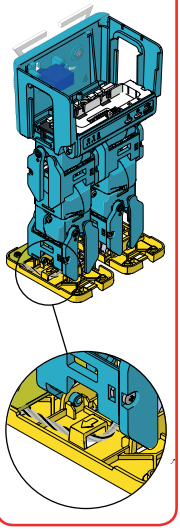
27

x 1 x 1

ATTACH LEFT LEG TO THE BODY

Attached the leg as illustrated below. Pay attention to the position of the cable to highlight orientation.

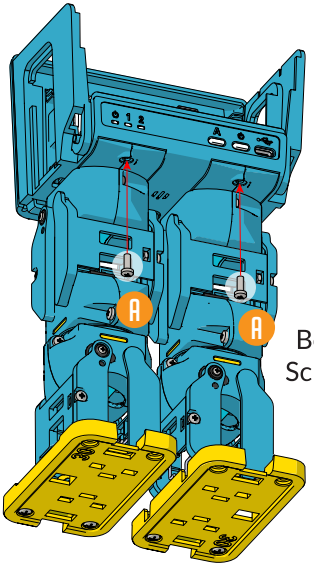




Step 1 Step 2 Step 3

28

x 1

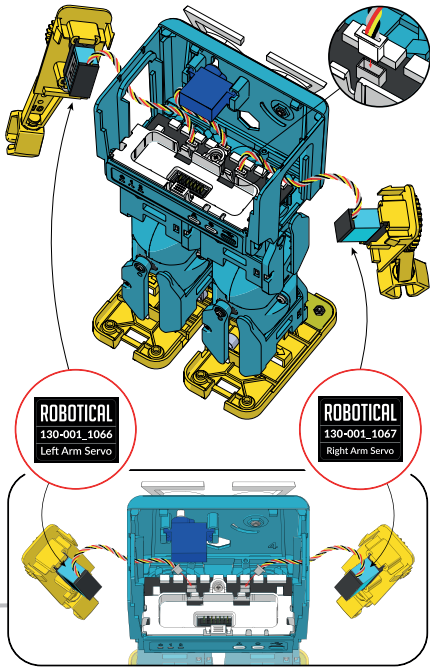


Body Screw

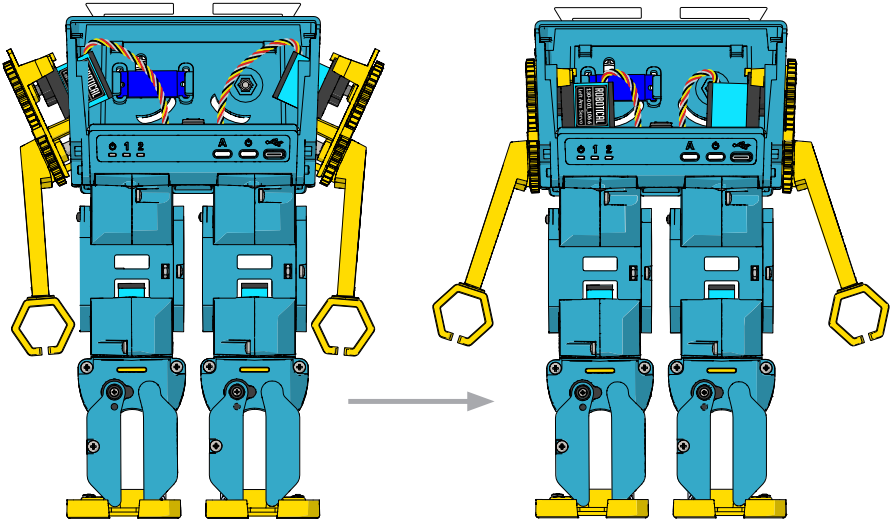
29

x 1 x 1 x 1

CONNECT THE ARM CABLES

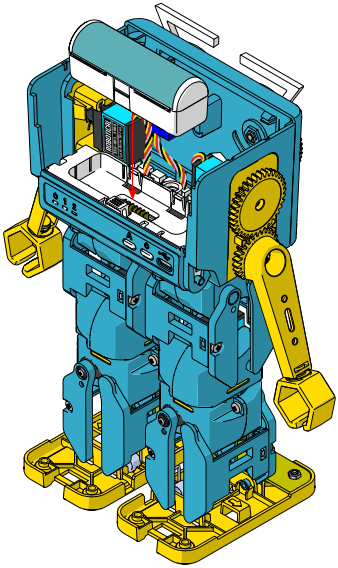


Clip the arms into the body



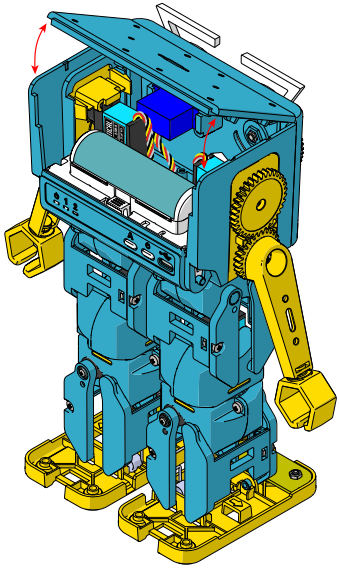
30

x 1 x 1



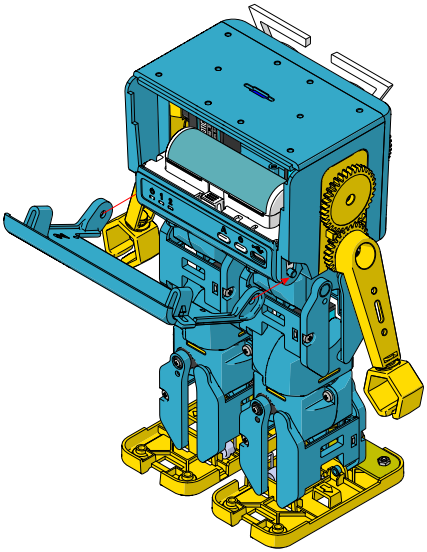
31

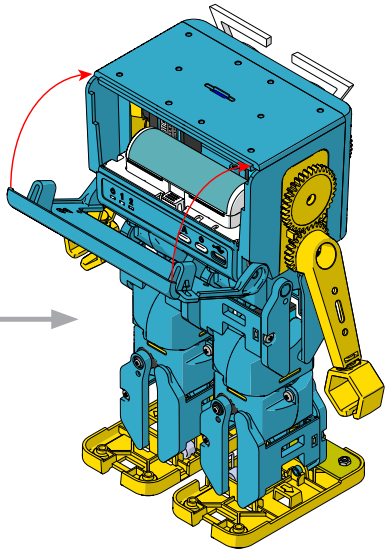
x 1 x 1



32

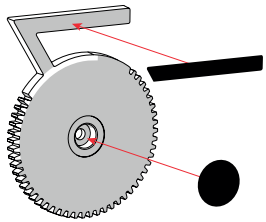
x 1 x 1

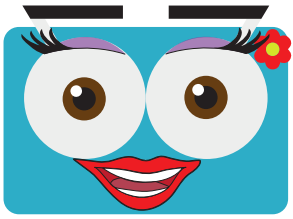


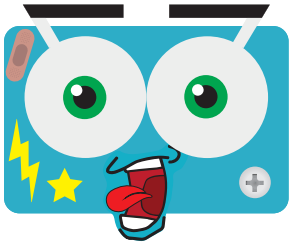


33 x 1 Sticker Sheet

Personalise your Marty!



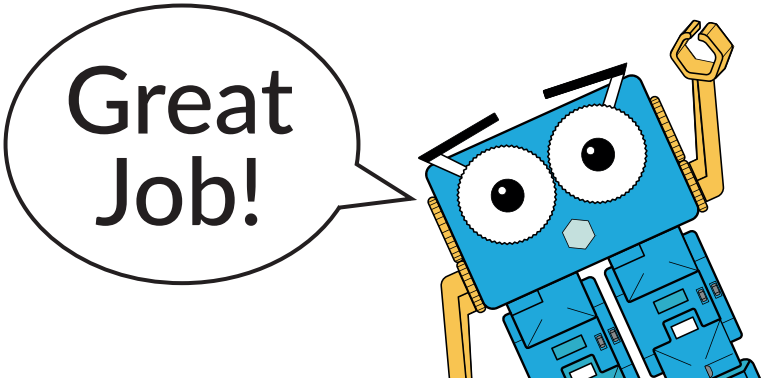




NEXT STEPS

You have now finished building your Marty

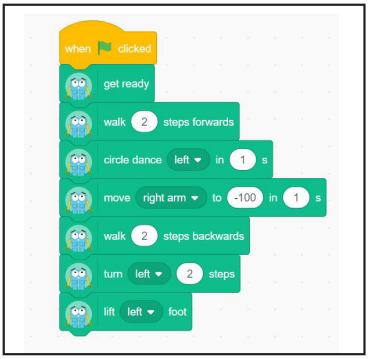
To set-up your Marty and start coding, download the Marty the Robot App and follow the on screen instructions



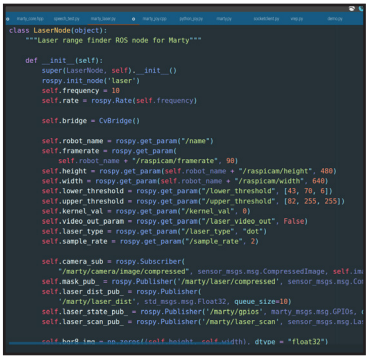
PROGRAMMING MARTY

Use and interact with Marty on multiple platforms, with several different programming languages. Go to ***robotical.io*** for support on the following:

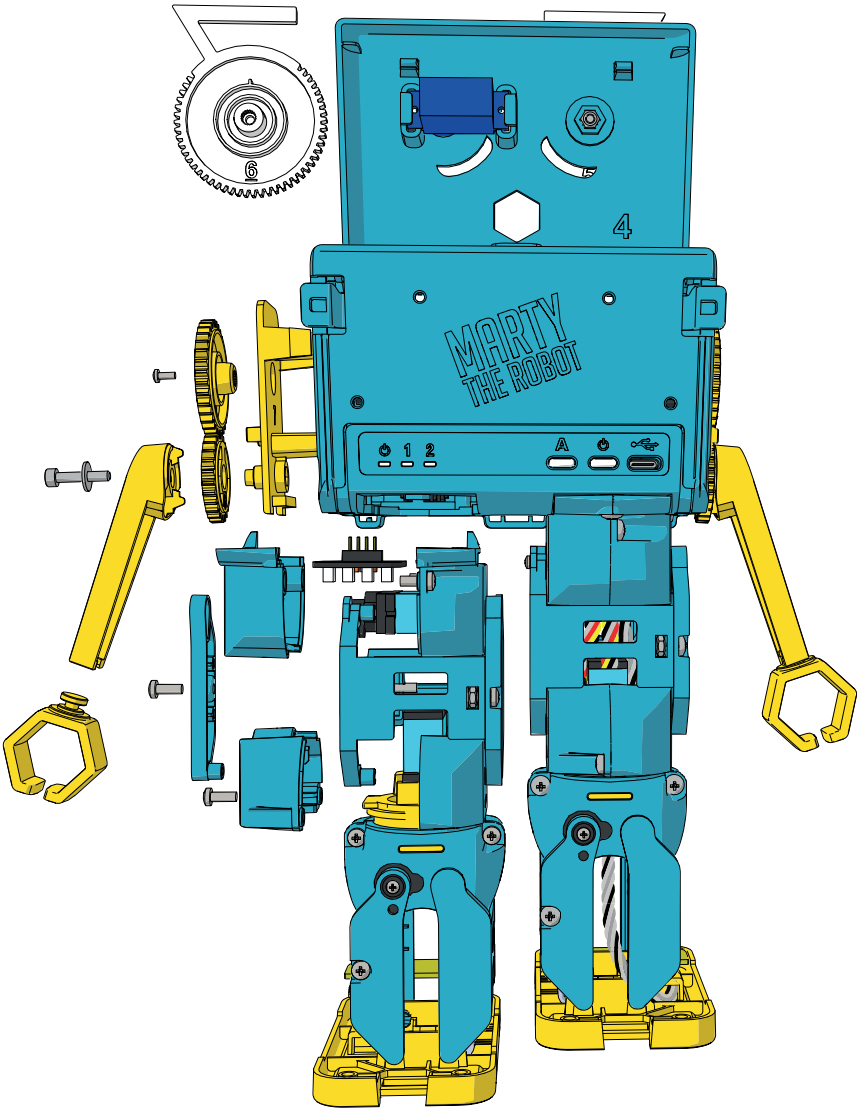
Scratch	The simplest way to begin programming your Marty. Combine blocks to build a program to get your Marty up and about.
python™	Python is a more advanced programming language you can use to control Marty and develop more complex programs.
JS JavaScript	You can use JavaScript on a web-page to communicate with Marty over a web-socket using the JavaScript API.
RaspberryPi	With a Raspberry Pi you can expand your Marty's functionality through the addition of advanced sensors and tools.
ROS	ROS, the Robot Operating System is an amazing set of advanced robotics tools used by industry and academia.



Scratch
(Beginner)



python™
(Intermediate)



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