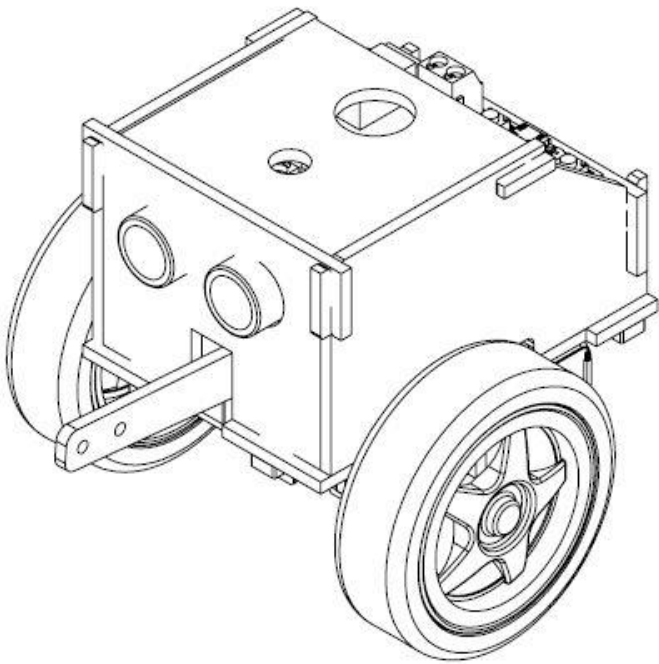


MIIA.BIT

ASSEMBLY

INSTRUCTIONS



WELCOME

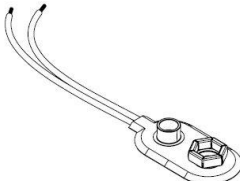
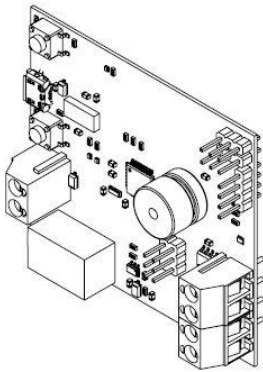
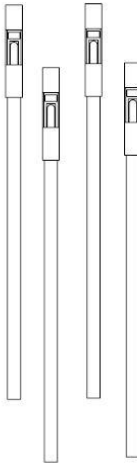
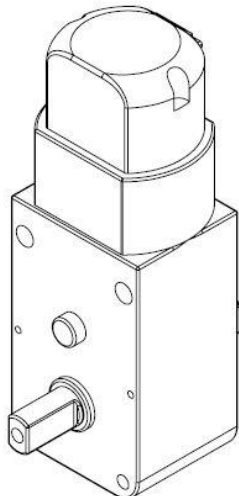
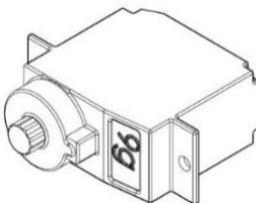
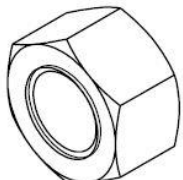


Congratulations! You are now the proud new owner of your own MiiA.bit robot. These instructions will take you through everything you need to know on how MiiA.bit is put together and what makes her tick. MiiA.bit is built in the form of a 3D puzzle, so the fun begins immediately. So without further ado, let's jump in!


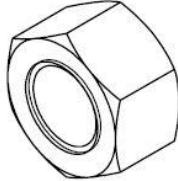
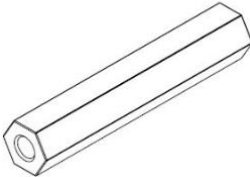

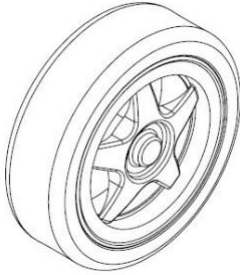
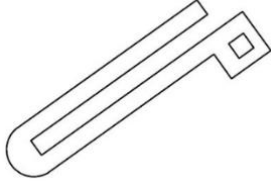
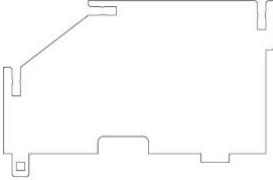
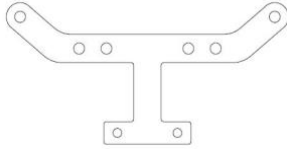
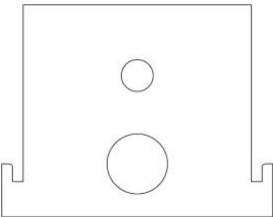
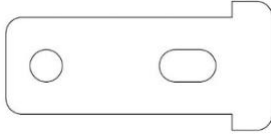
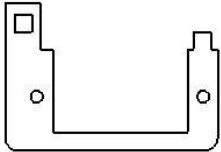
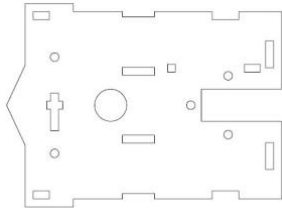
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
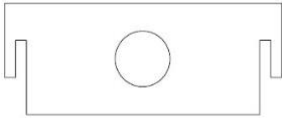


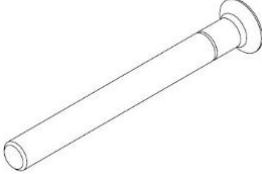
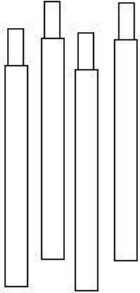
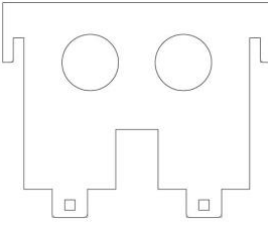
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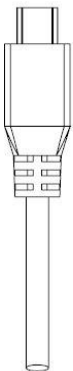
What's in the Box

Here's all the parts that make up MiiA.bit:

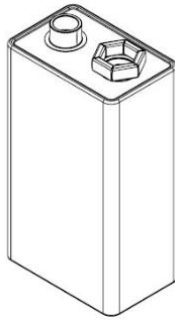
Part	Preview	Part	Preview
9V Battery Clip (1x)		Control Board (1x)	
Female-Female jumper cables (4x)		Motor and Gearbox (2x)	
9g servo motor (1x)		M3 nut (6x)	
Ultrasonic sensor (1x)		M3 x 10mm bolt (8x)	

M2 x 8mm bolt (2x)		M2 nut (2x)	
M3x30mm female- female standoff (3x)		M2 servo washer screw (1x)	
Wheel (2x)		Stand part 1 (1x)	
Side (2x)		Pusher Arm (1x)	
Roof (1x)		Motor Mounts (4x)	
Servo mount (x1)		Chassis (1x)	

General pin (7x)		Back (1x)	
Servo Arm (1x)		Stand Part 2 (1x)	
M3x 30 mm flat head bolt (4x)		Motor Wire (4x)	
Front (1x)			

Required Tools (Not included)			
Part	Preview	Part	Preview
Screw driver (1x)		Micro USB (Smart phone Cable) (1x)	

**9V battery
(1x)**



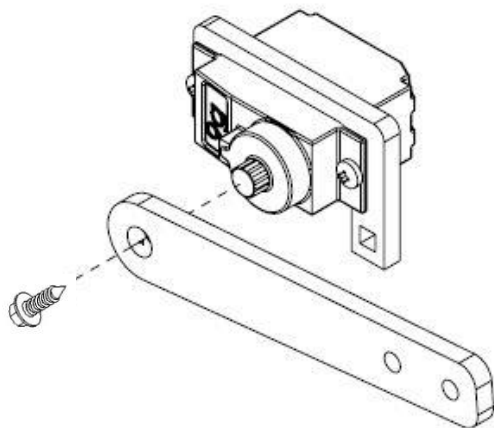
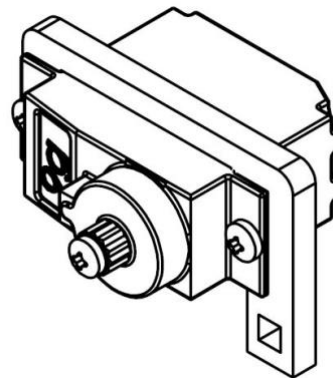
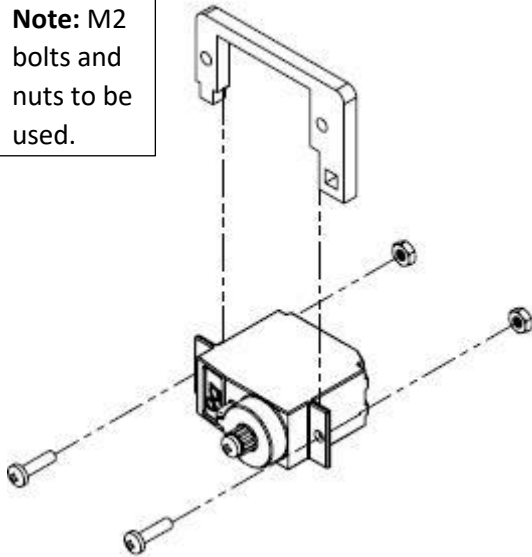
Putting MiiA.bit Together

Here we give you a breakdown of how to assemble the various parts that make up MiiA.bit.

Motor and Stand

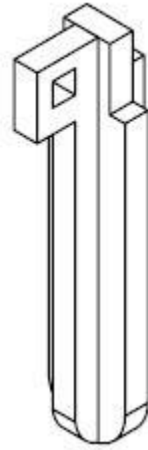
Motor Assembly

Note: M2 bolts and nuts to be used.

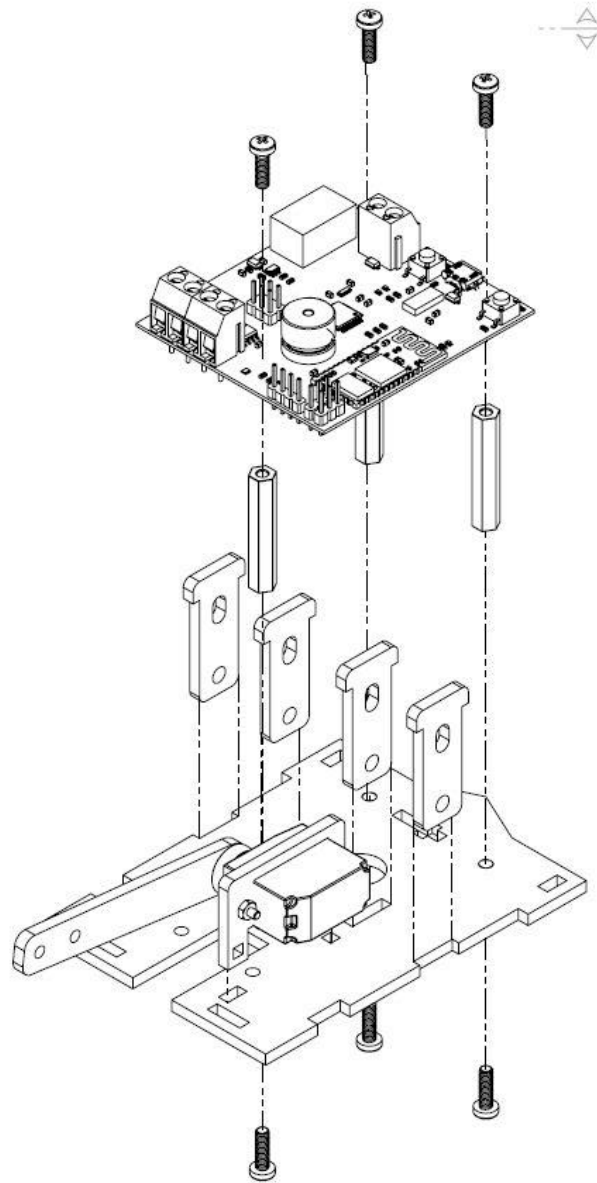


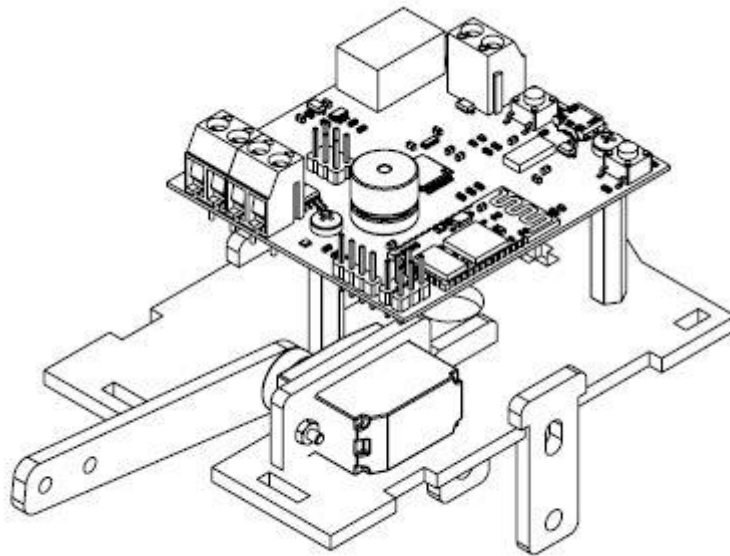
Note: Plug servo into Control board with power on before putting arm on. Press the reset button and fix arm on horizontally as shown.

Stand Assembly



How to assemble

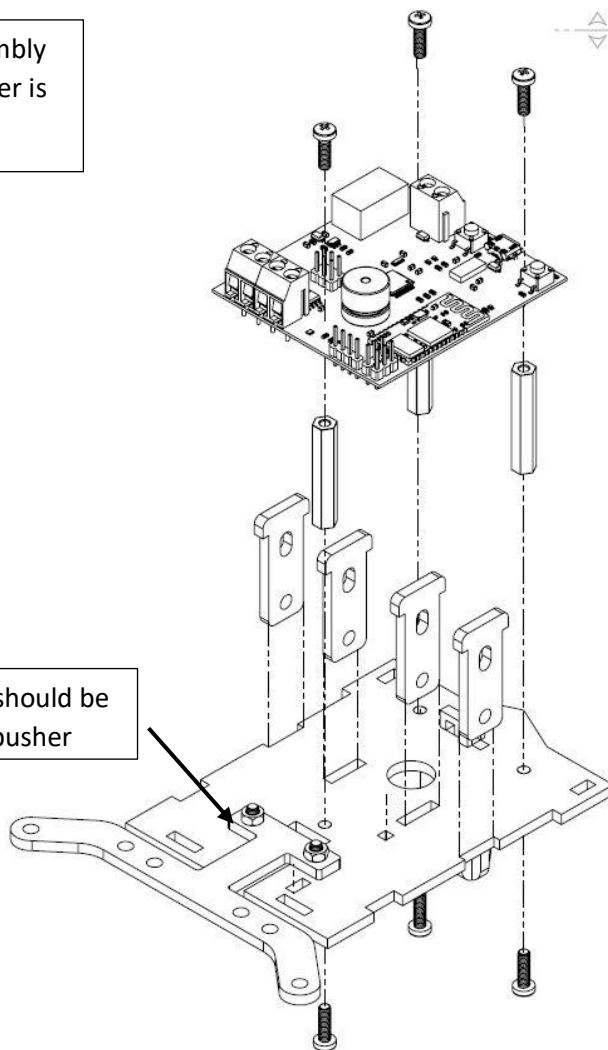


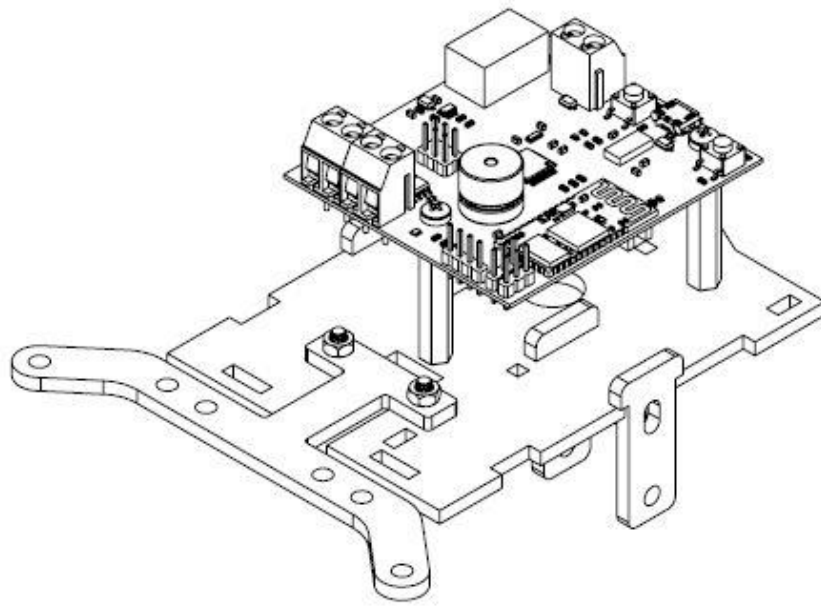


Pusher Assmebly

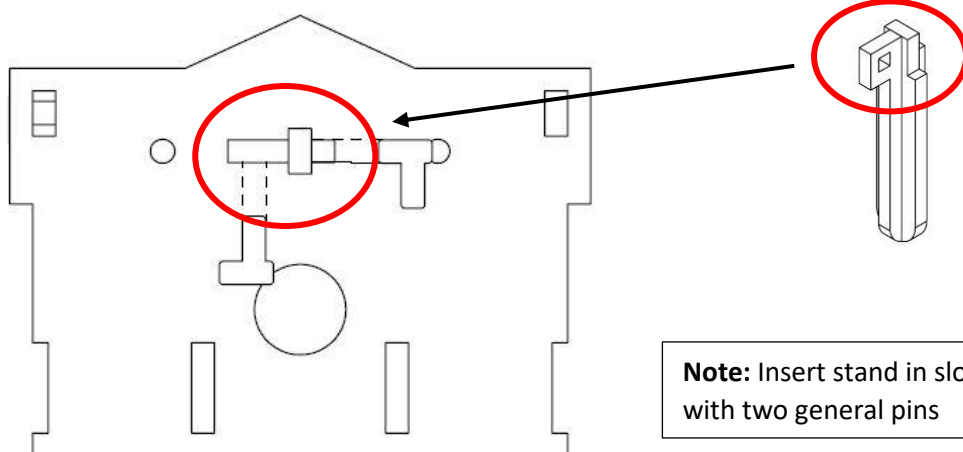
Note: This is the assembly instruction if the pusher is connected in front.

Note: M3 nuts should be used to fix the pusher





Top View of Chasis

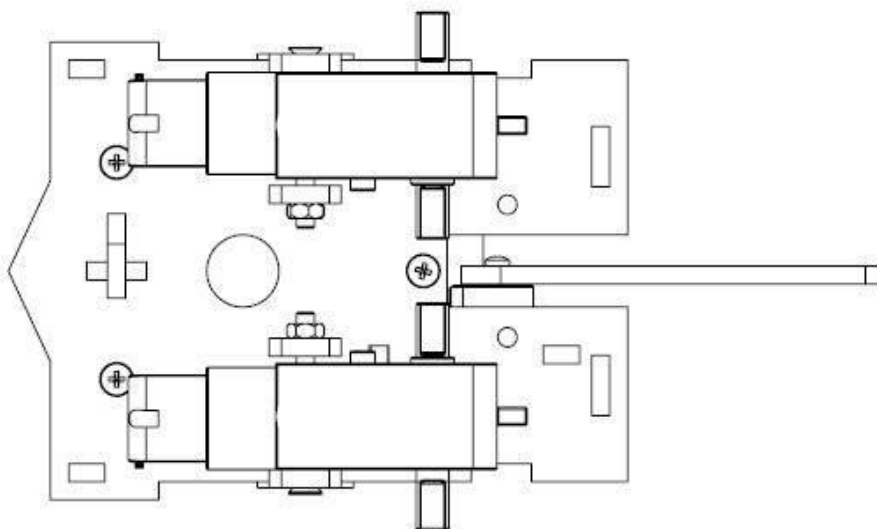
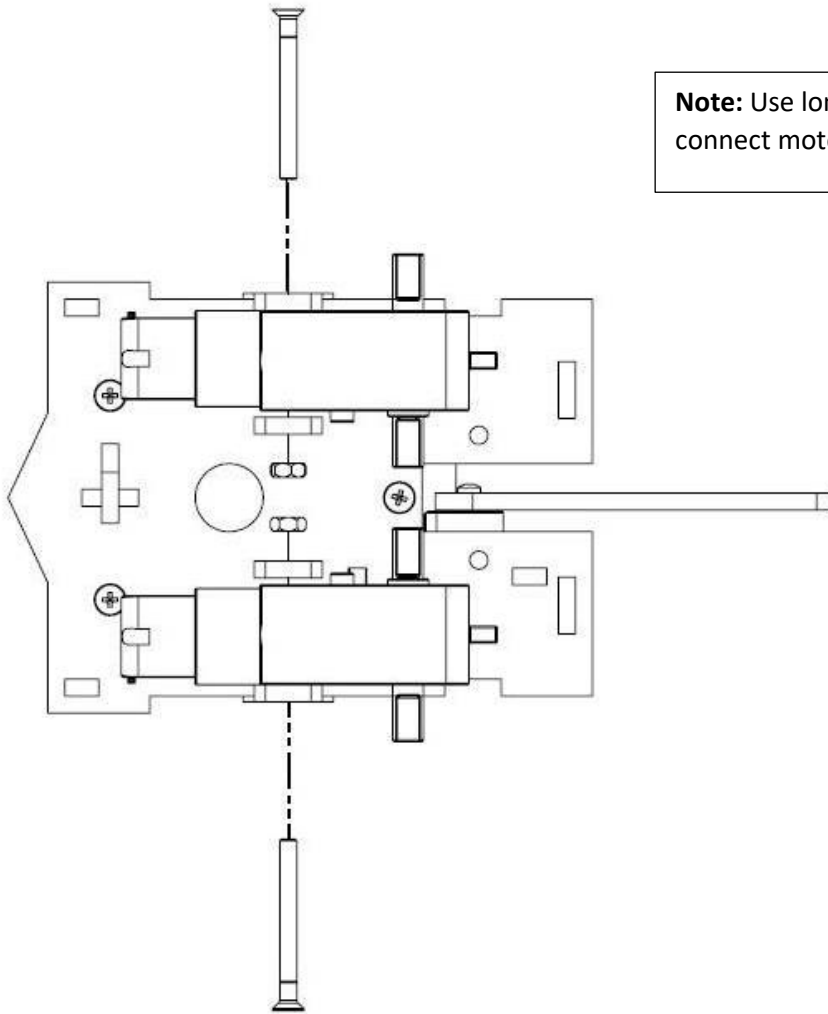


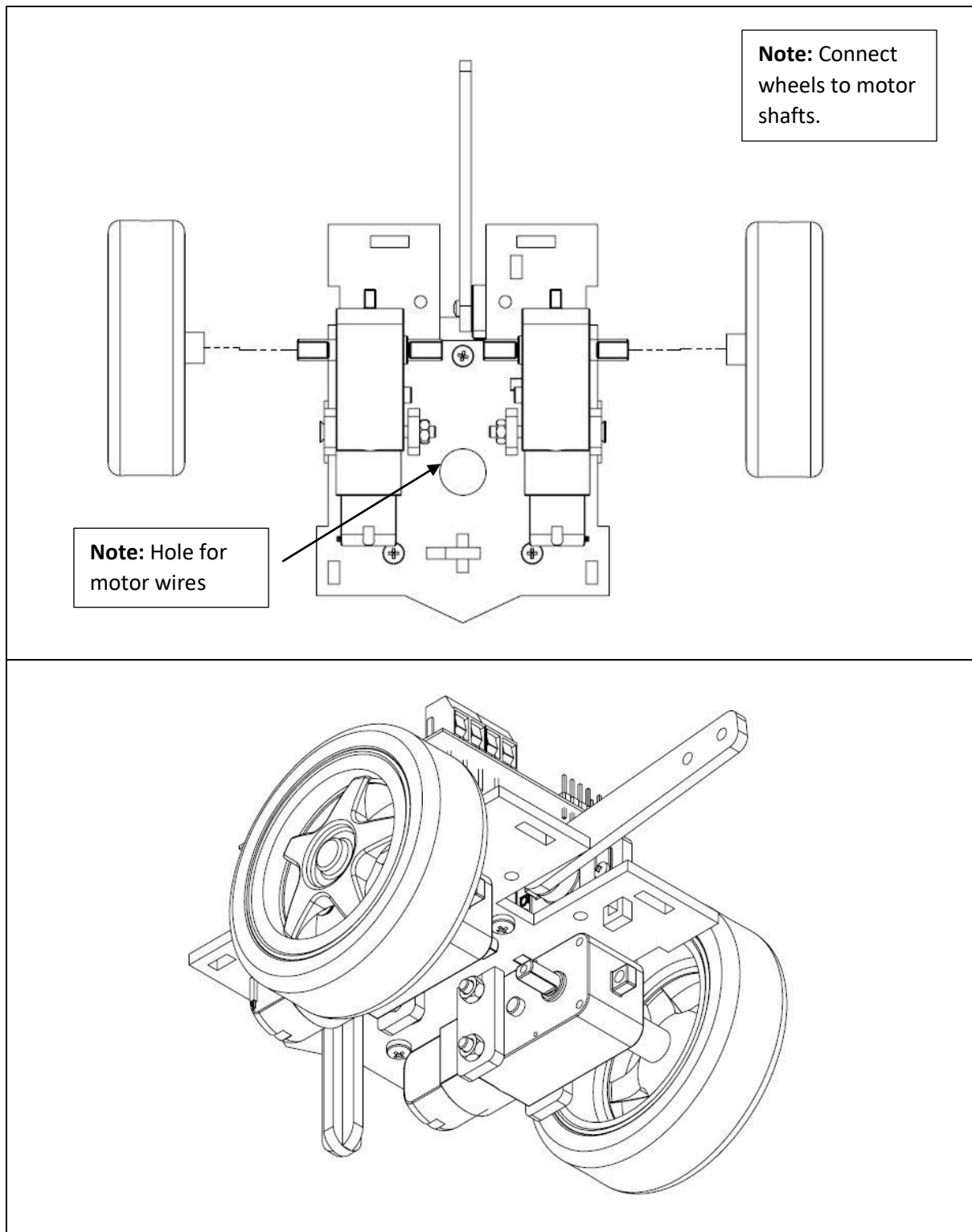
Note: Insert stand in slots and fix with two general pins

Main motor assembly

How to assemble

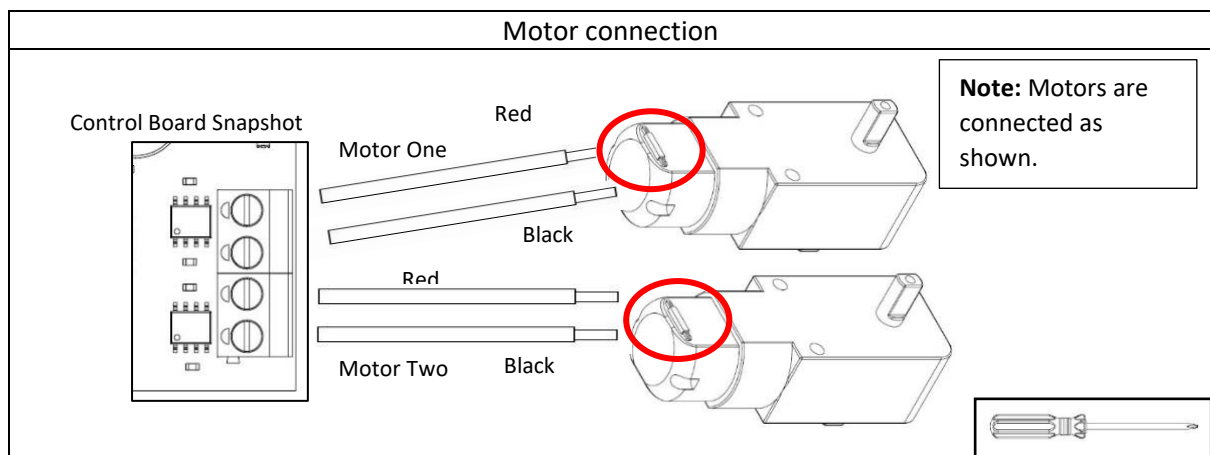
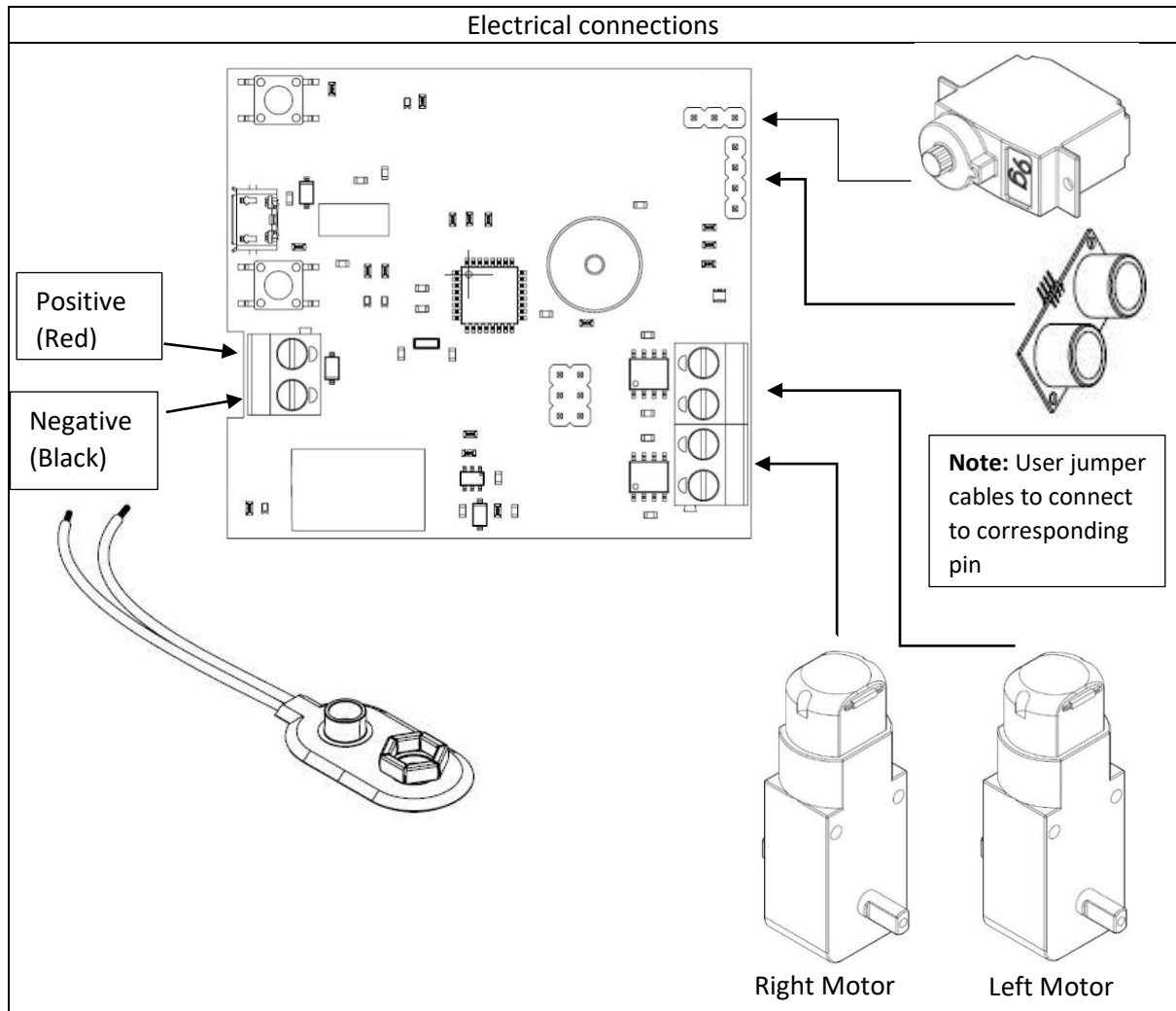
Note: Use long bolts to connect motors

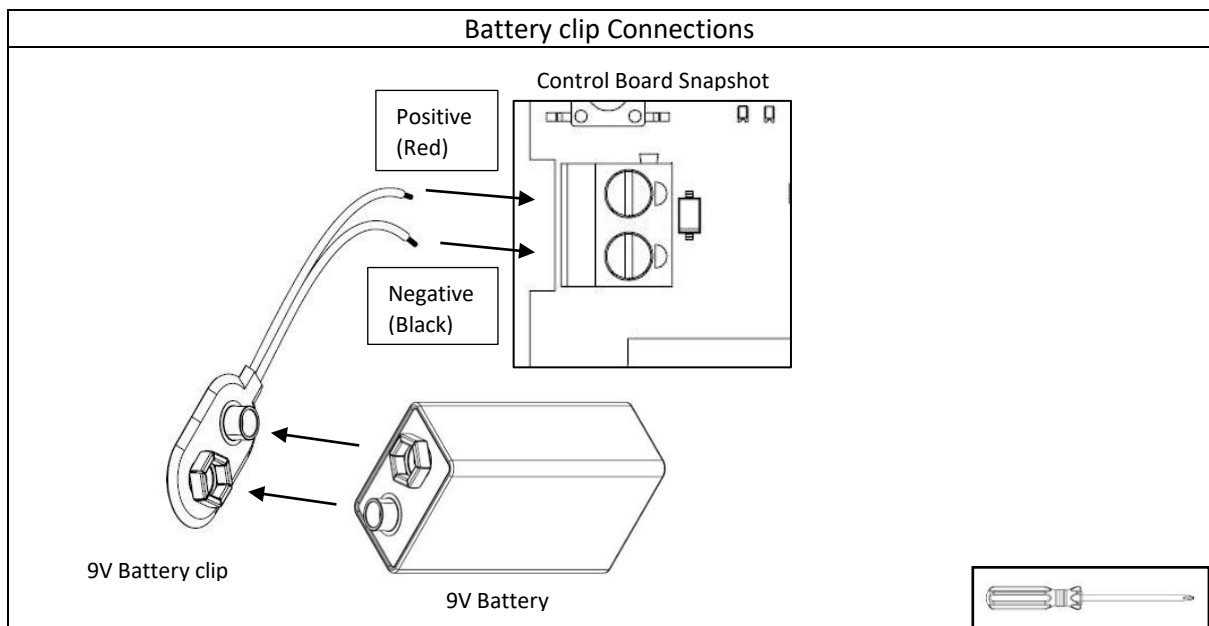
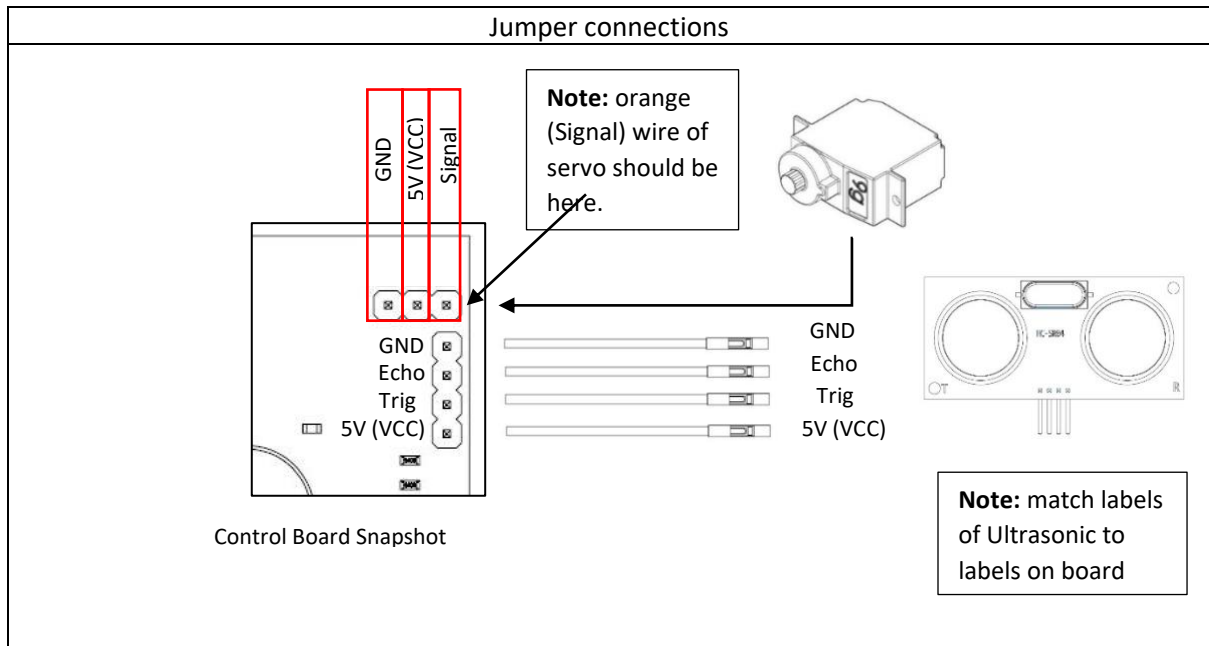




Electrical Connections

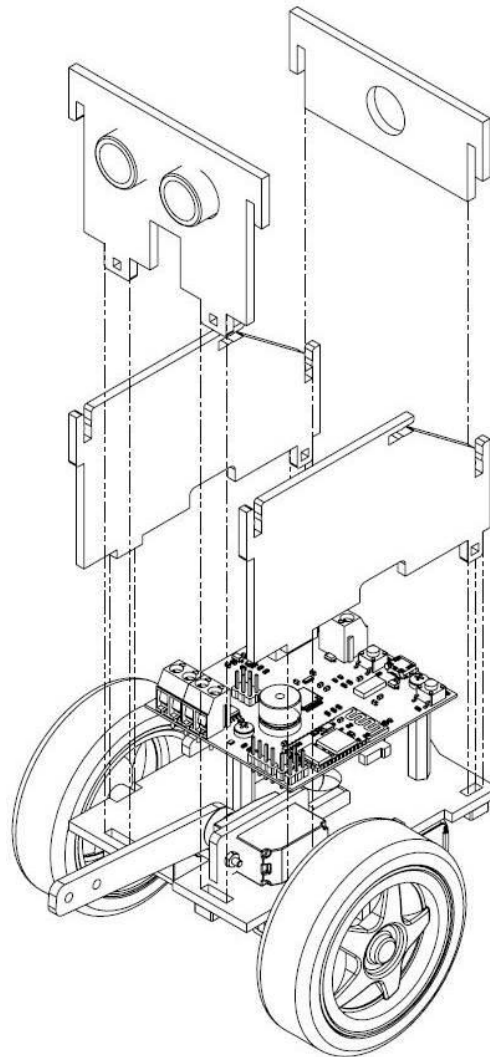
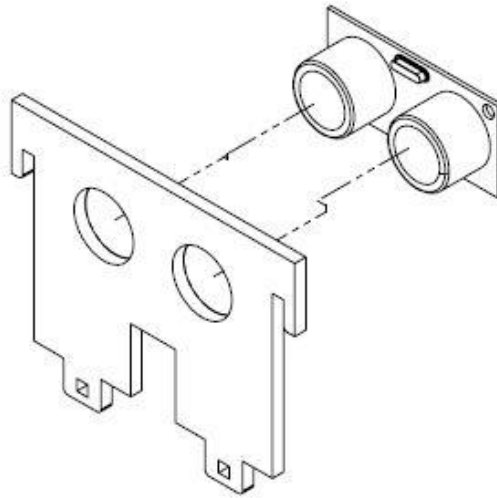
Here we look at wiring up the electronics that enable MiiA.bit to be programmed and controlled.

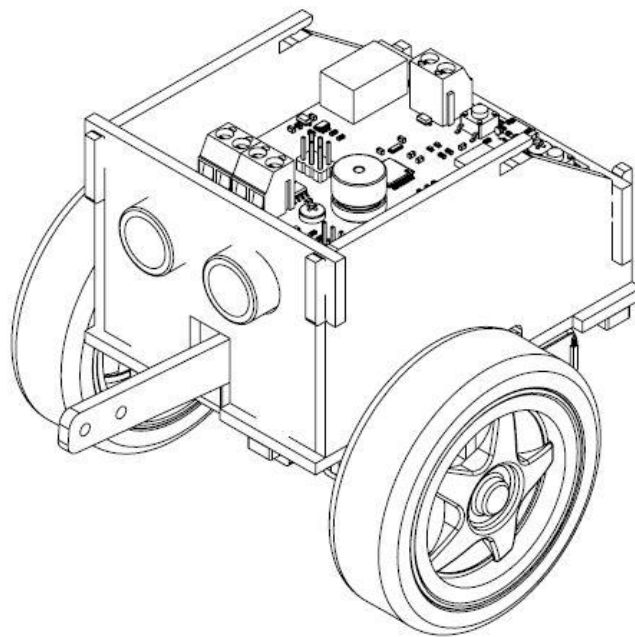
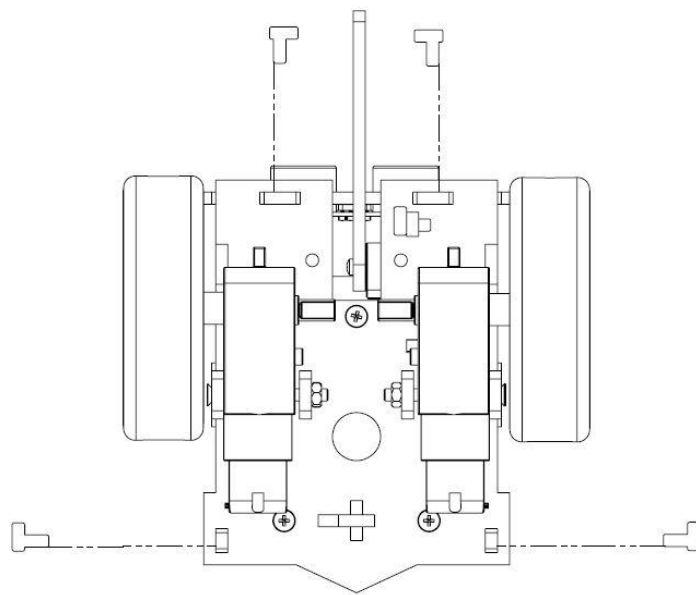


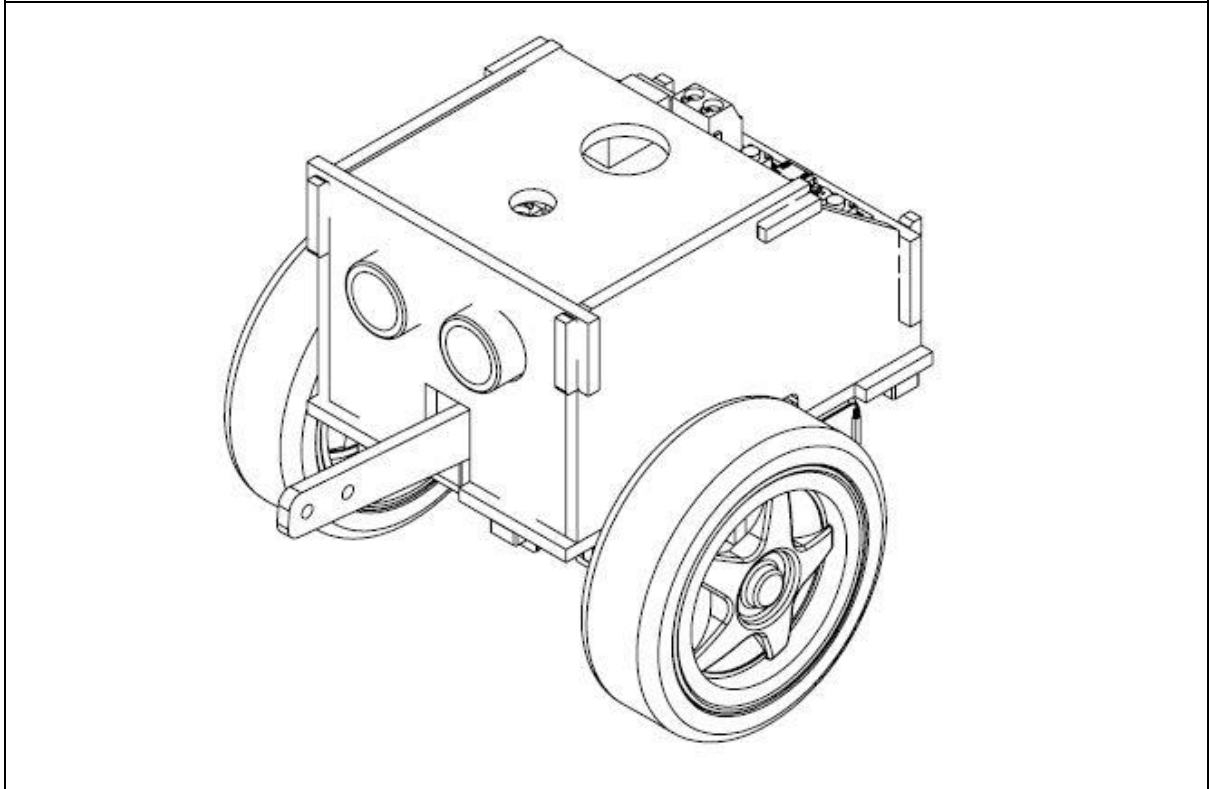
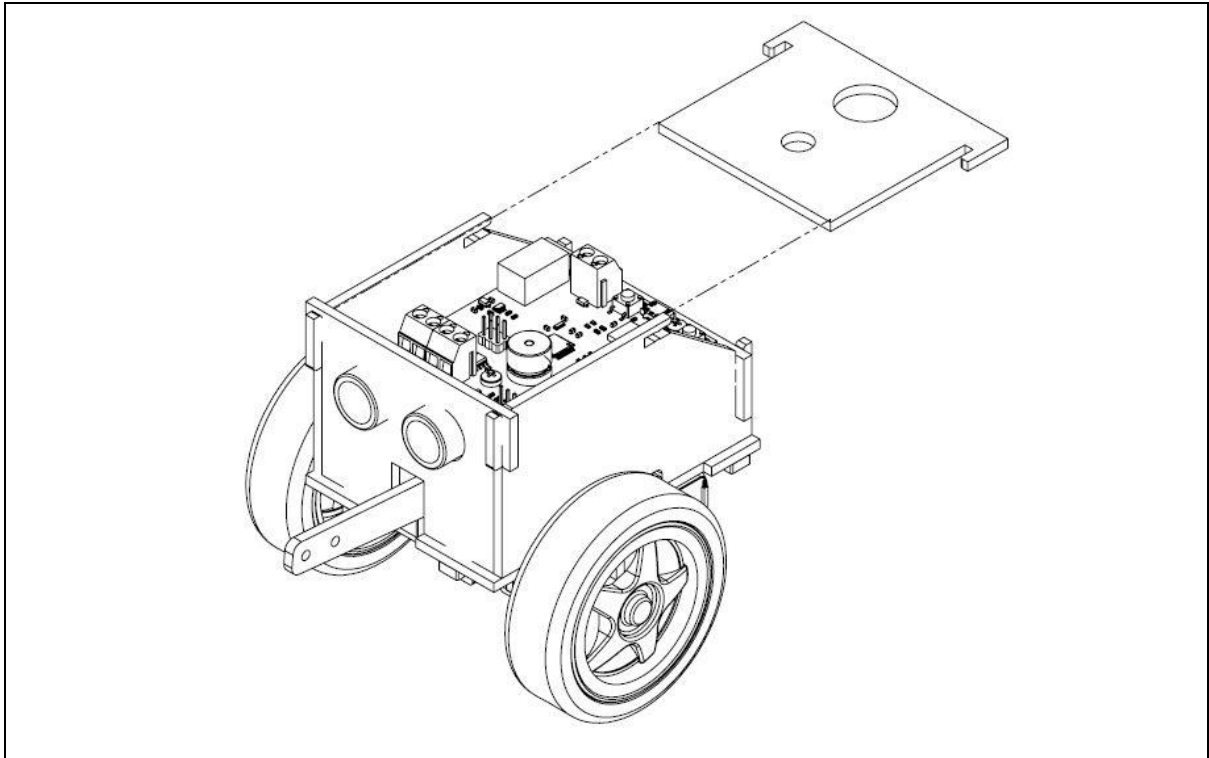


Final Assembly

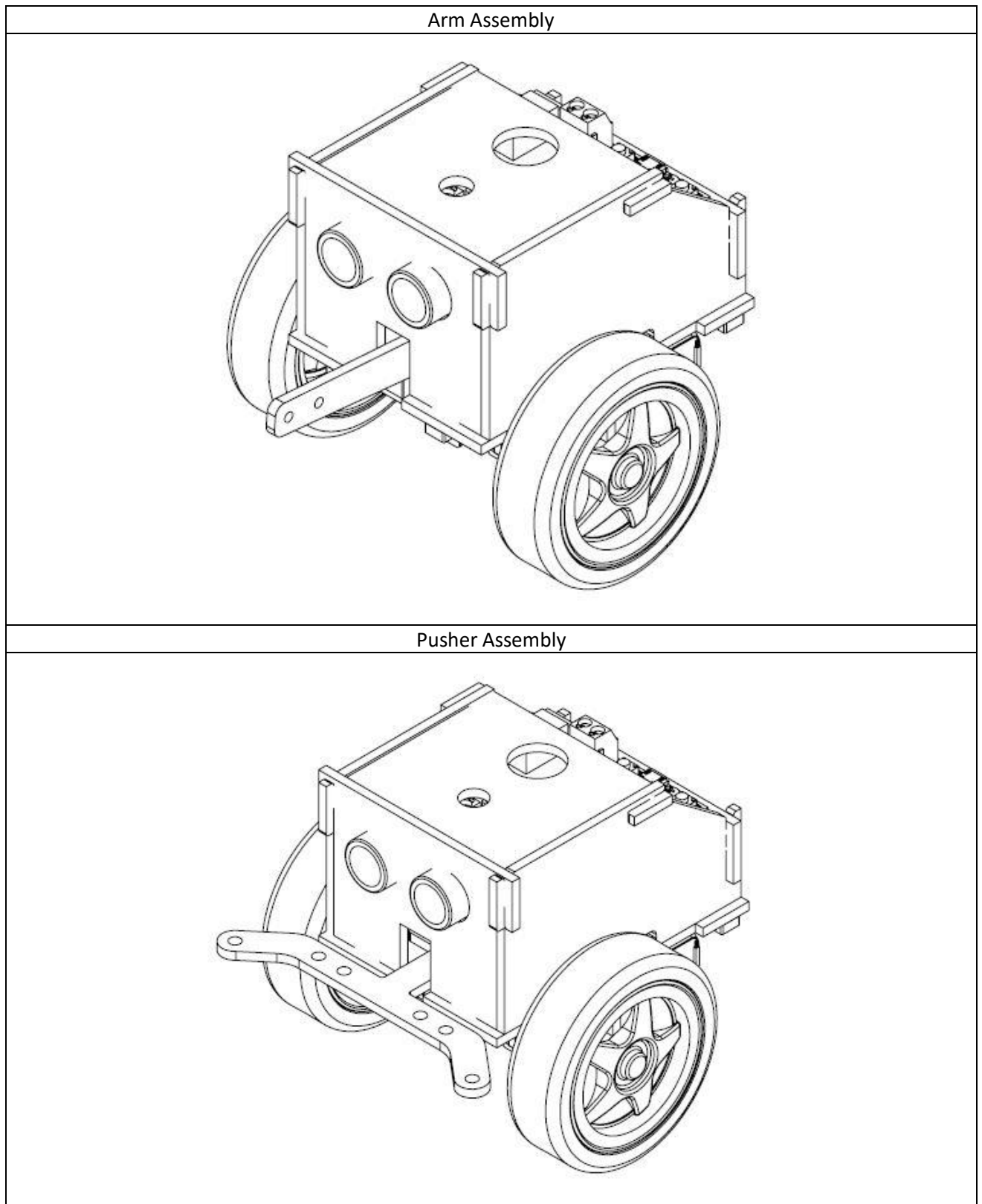
How to assemble







Complete Assembly View



Well done! Your MiiA.bit is now complete and ready to be programmed.

To continue your robotics journey, please visit our website at miiabot.rd-9.co.za for instructions on Getting Started with programming your MiiA.bit.

If you are having any issues with the kits, please do not hesitate to contact us via email at rd9.miiabot@gmail.com.

Have fun!