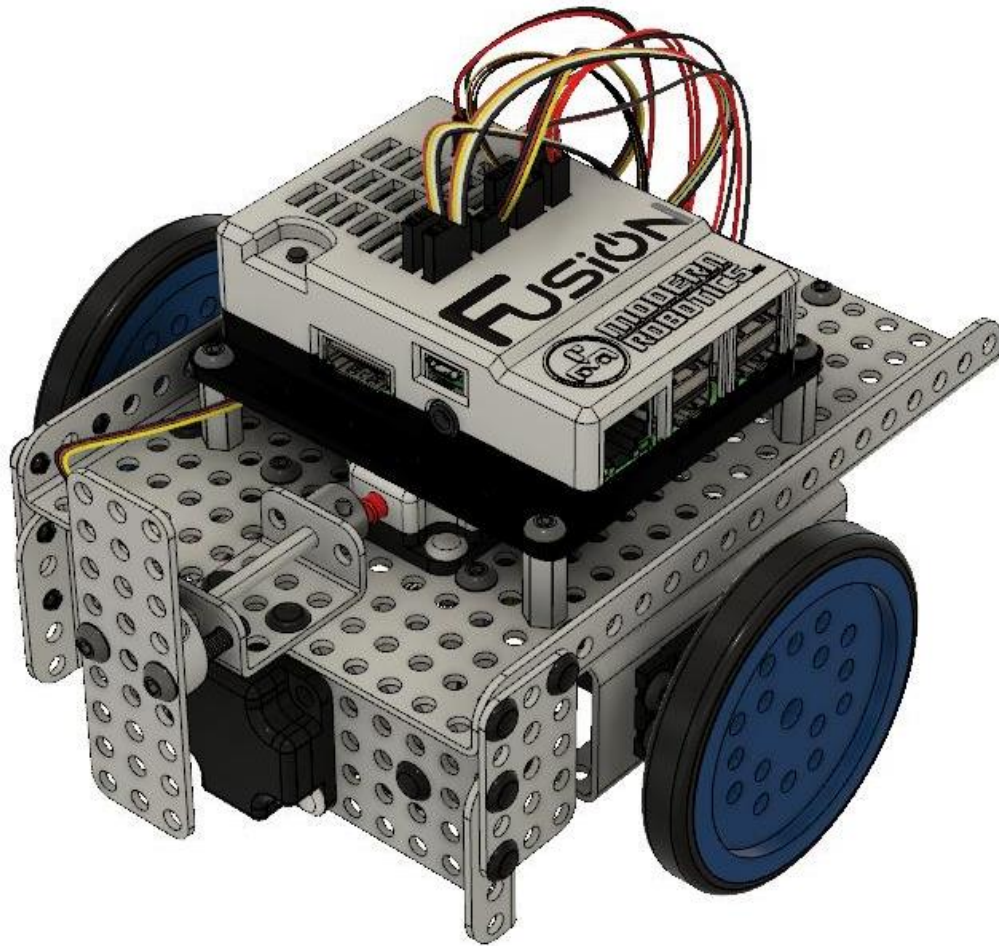
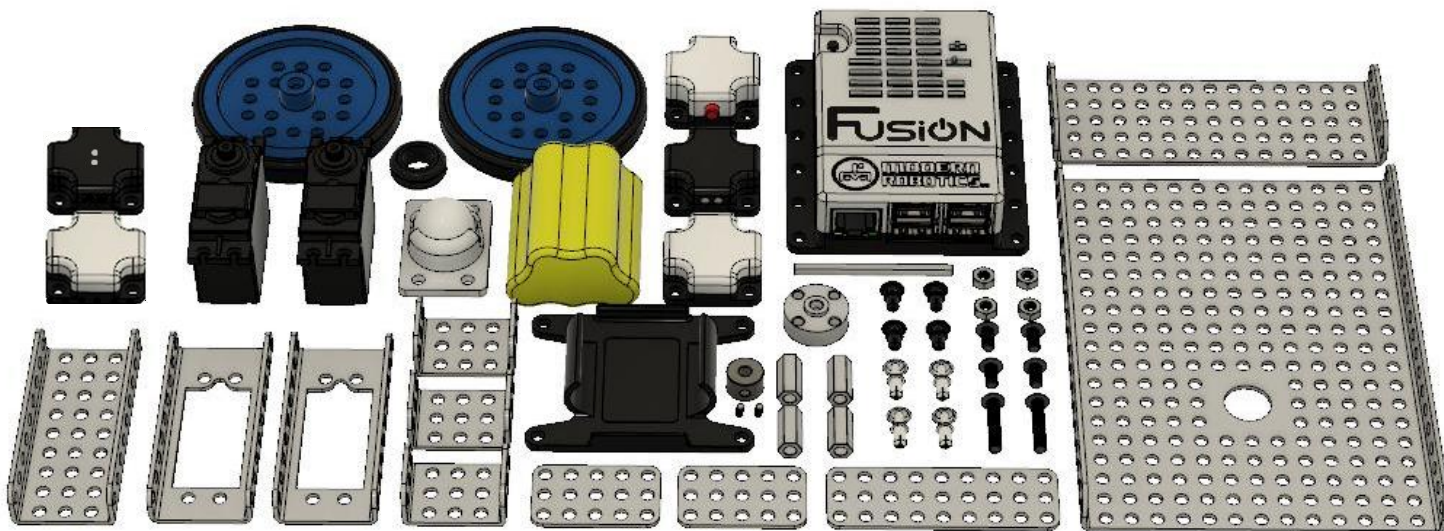


Modifying the Mimio MyBot BaseKit to add the Planetary Exploration Pack





BaseKit plus Planetary Exploration Pack

Use these step-by-step instructions to add the Planetary Exploration Sensor Pack to a MyBot BaseKit Robot.

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Note: Specifications listed are subject to change without notice.

Illustrated List of Components Needed

Extra components from the original Base Kit Build

x2
11-6001
Quick Connect Short



x4
11-6002
Quick Connect Medium



New components in the Planetary Exploration Pack

X1
06-0009
9 Hole C Shaped Beam



X1
45-2018
Color Sensor



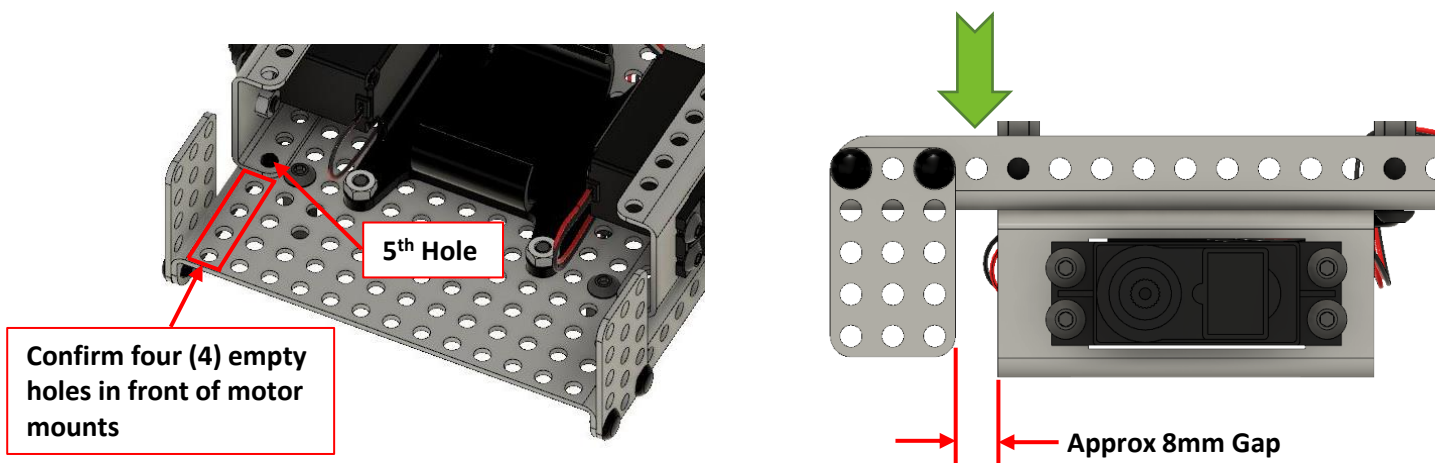
X1
45-2020
Magnet Sensor



Verify Motor Mounting Placement

During the build of the MyBot BaseKit, the motor mounting plates should have been mounted using the 5th hole from the edge of the base plate (leaving four (4) empty holes in front of the motor mounting plates).

This creates an 8mm gap between the motor mounts and the 3x5 plates as shown below:



If the motors are not mounted as shown above, please move the motors to insure there is an approximate 8mm gap between the 3x5 flat plates and the motor mounting brackets.

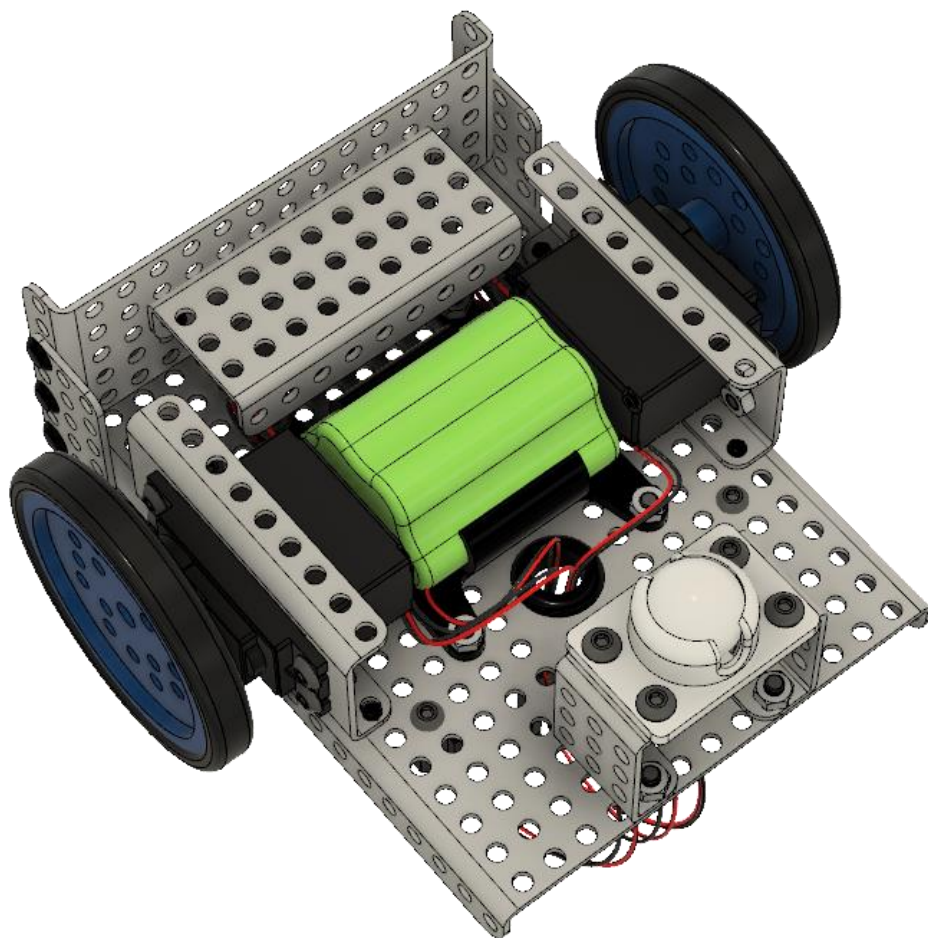
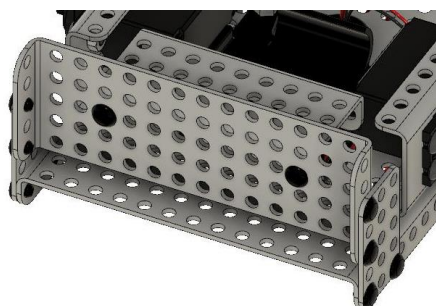
1



x1



x2



2



x1

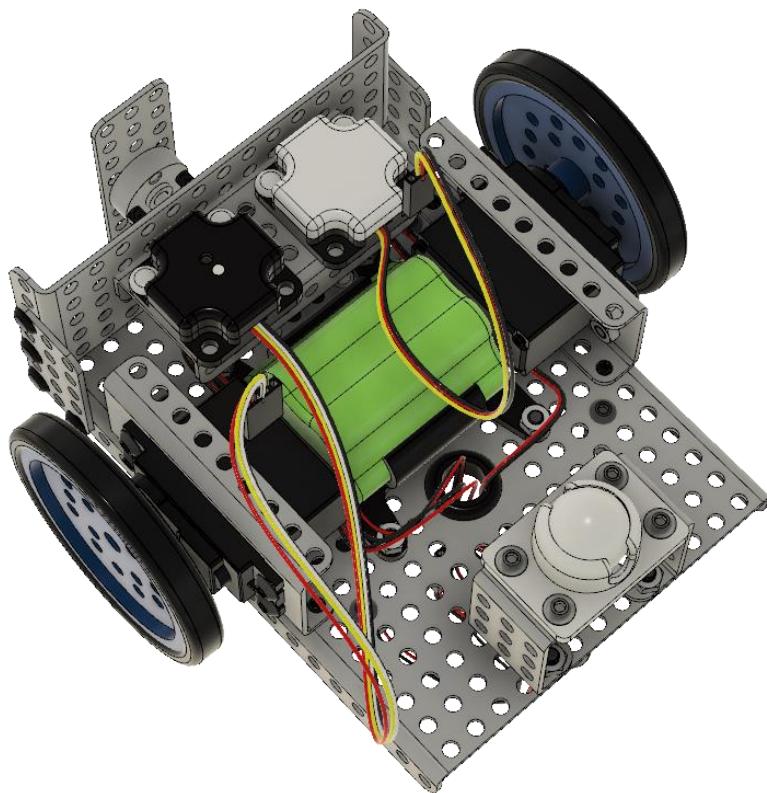
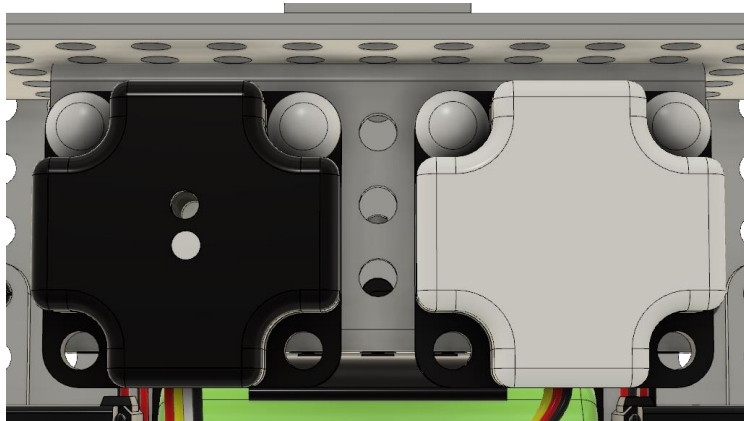


x1











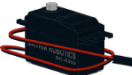



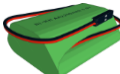

(Magnetic
Field
Sensor)



x4



3 – Wiring

	Optical Distance Sensor	→		A0
	Magnetic Field Sensor	→		A1
	Touch Sensor	→		D0
	Color Sensor	→		I2C
	Integrating Gyro	→		I2C
	Left Motor	→		M1
	Right Motor	→		M0
	Battery	→		BATT

