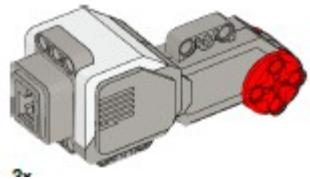


Parts:



2 x Motors



2 x Right Angle Fixtures

For Each Motor attach one. Right Angle Fixture to the inside holes.



Parts:

4 Single Connectors

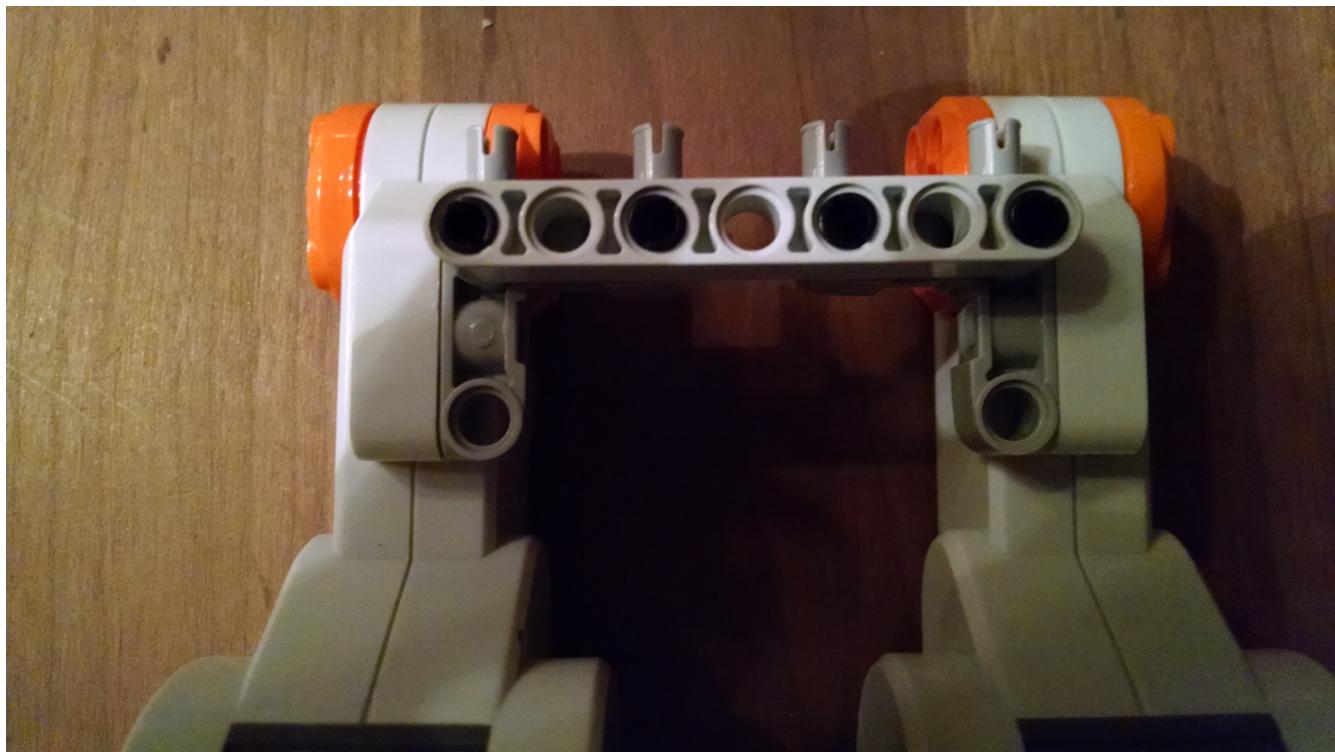
Place a Single Connector in each Right Angle Fixture hole going perpendicular to the motors.



Parts

1 x 7 hole beam

Connect the 2 Motors with the 7 hole beam

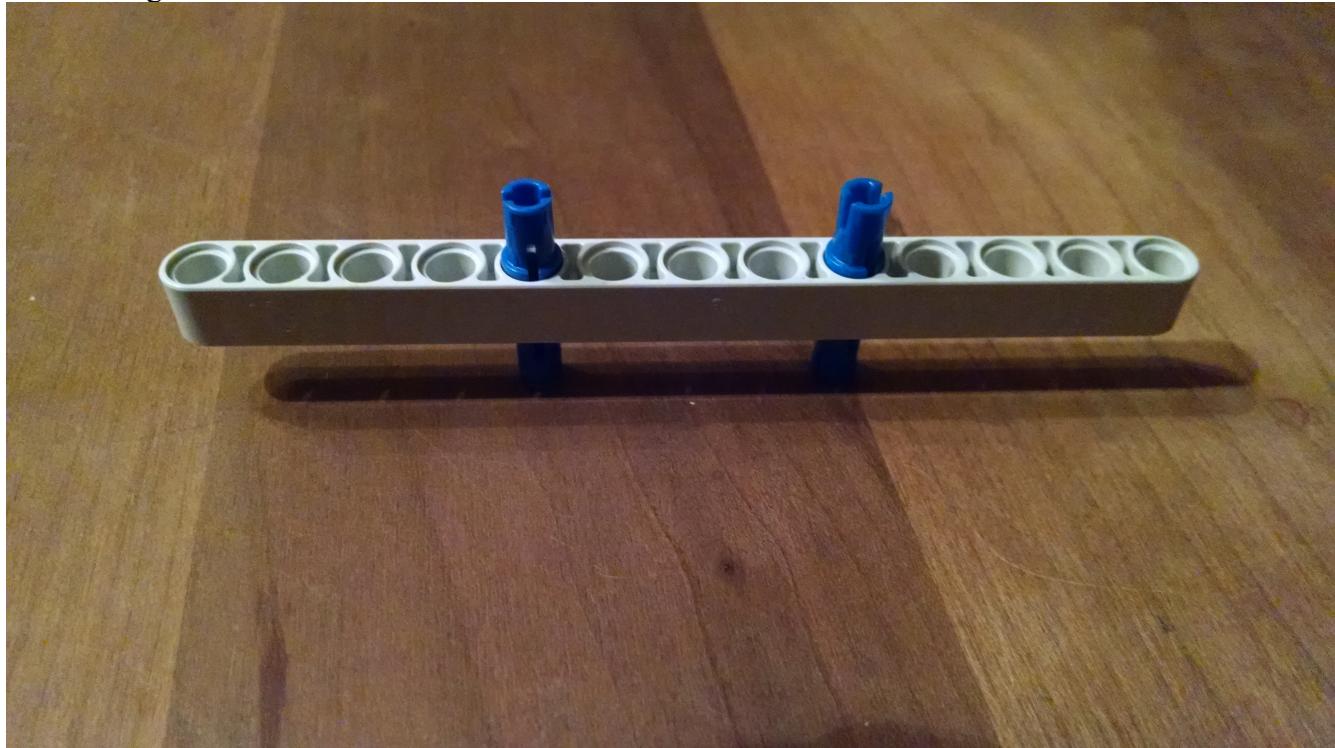


Parts:

  
2 x Long Connectors

1 x 13 hole beam

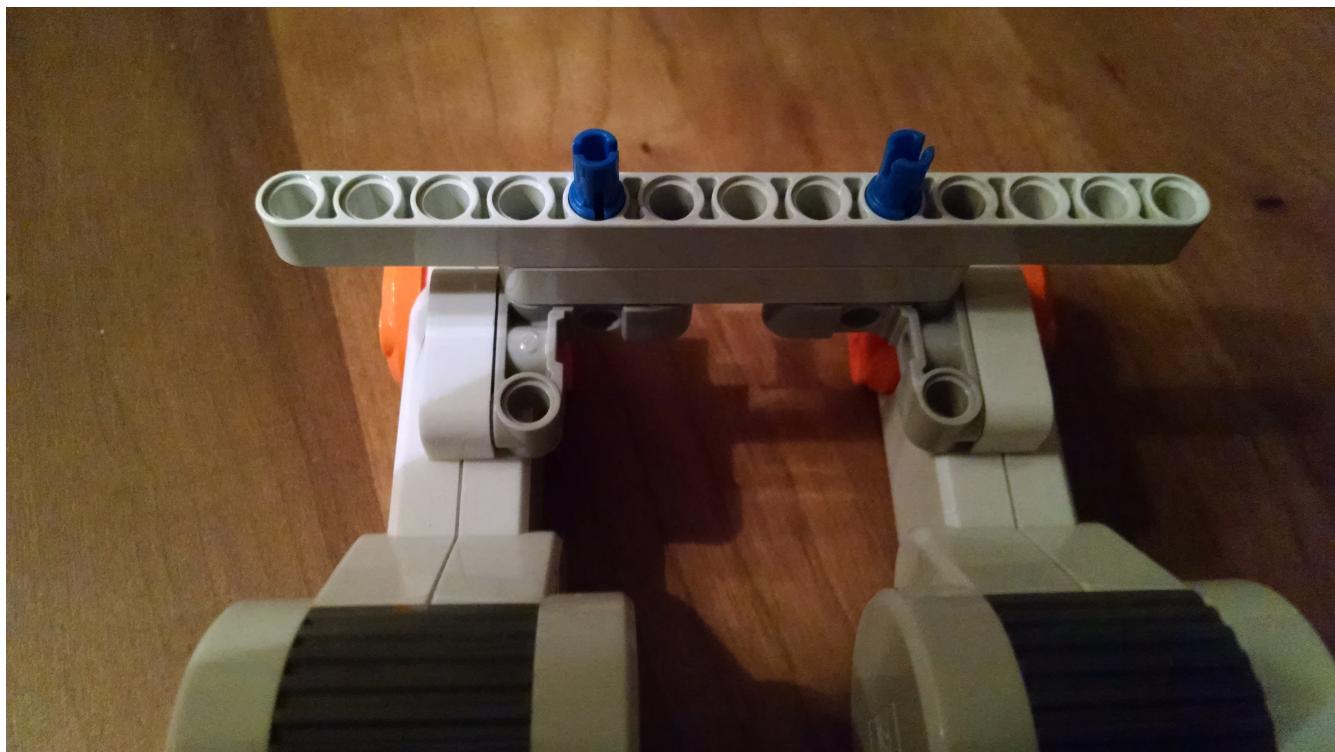
Place a long connector 4 holes in from each end of the 13 hole beam



Parts

None

Attach the 13 hole beam to the 7 hole beam.

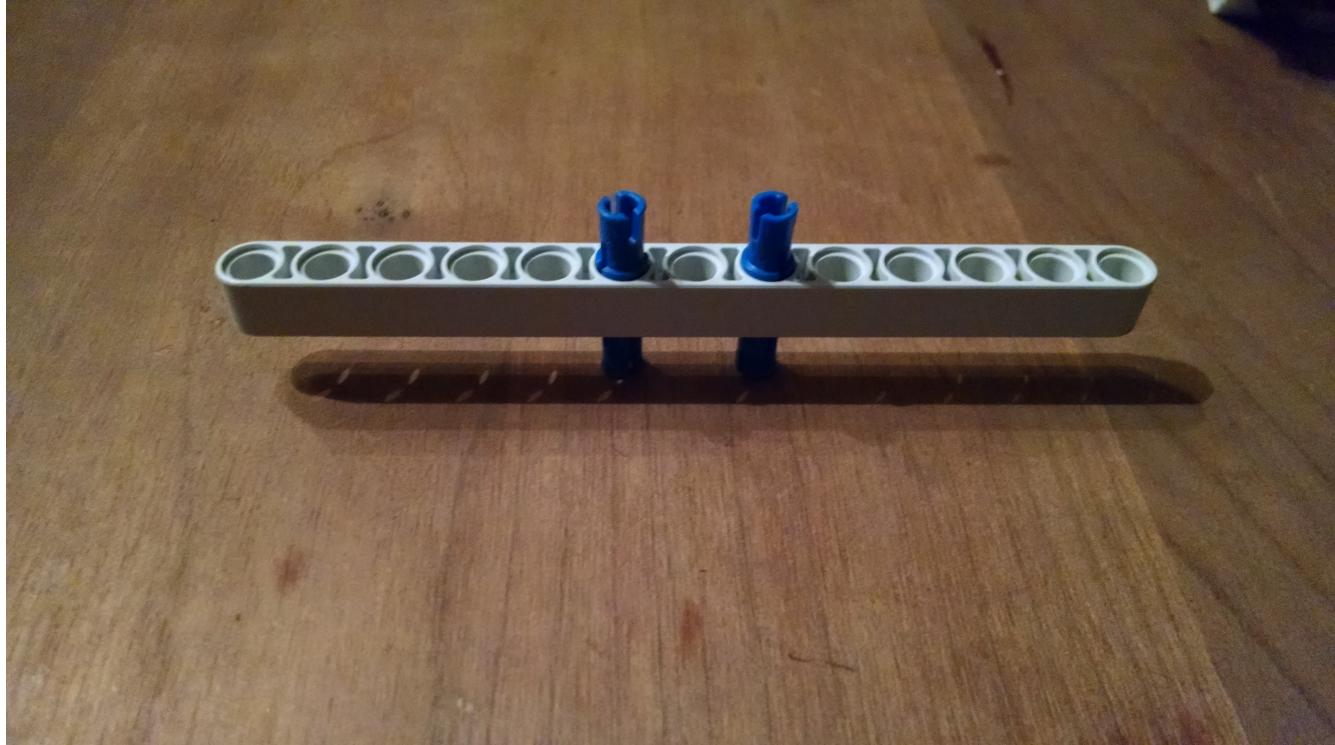


## Parts

 2 x long connectors

1 x 13 hole beam

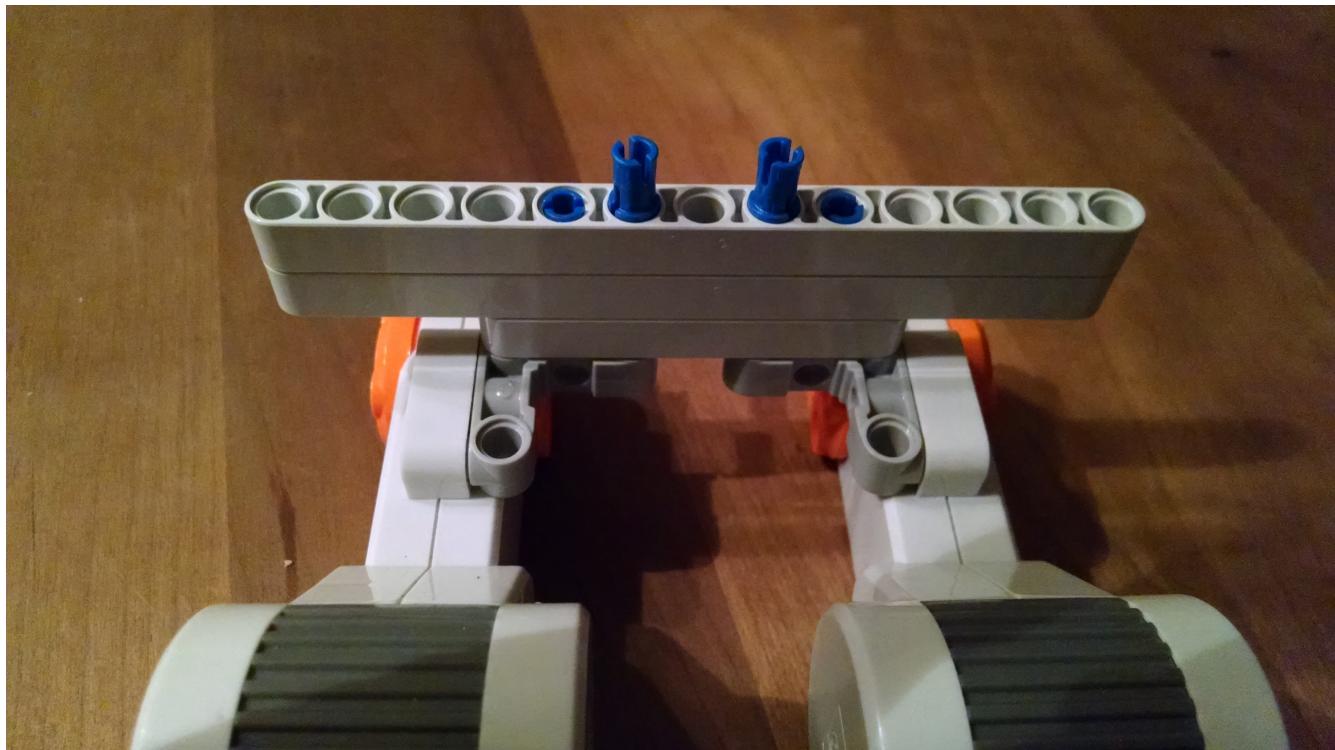
Place the long connectors on each side of the 13 hole beam 6 holes in.



Parts

None

Stack the new 13 hole beam on top of the other 13 hole beam



Parts

4 x single connectors

1 x 13 hole beam

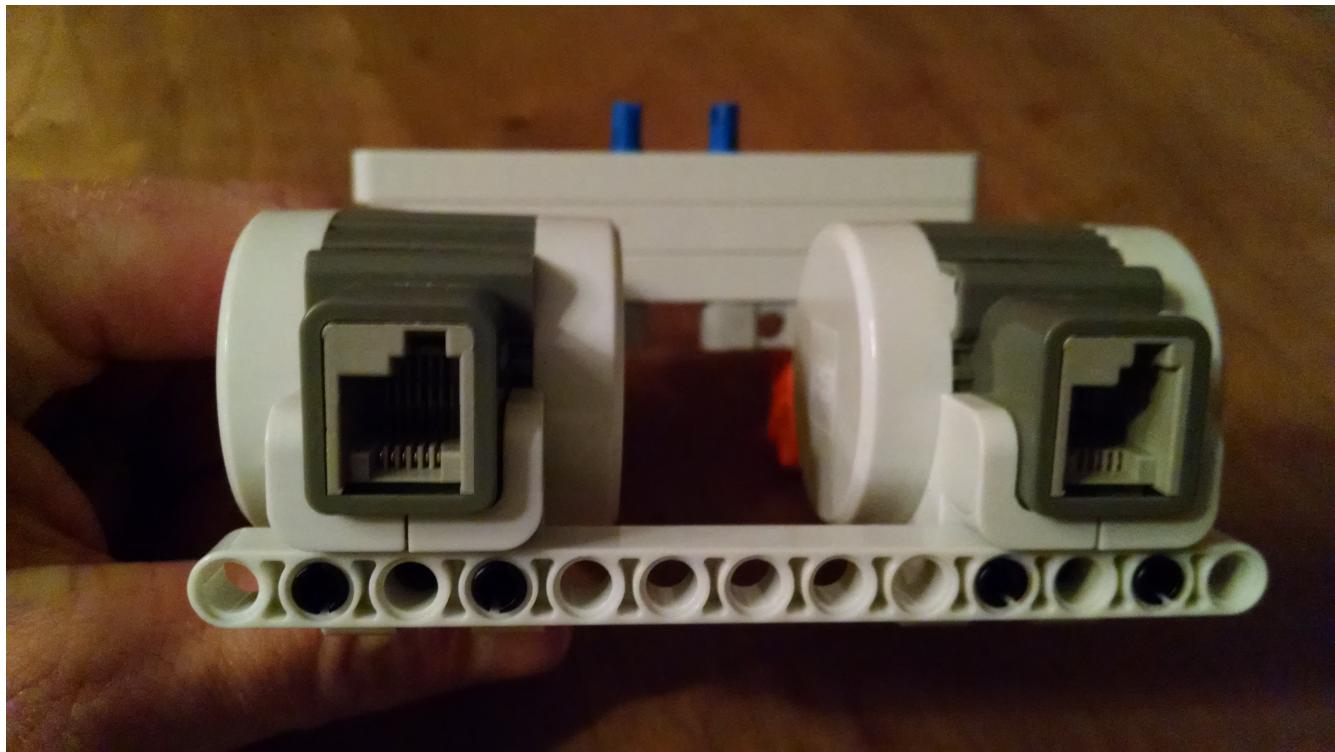
Connect a single connector in the second and forth hole from the end of the 13 hole beam



Parts

None

Connect the 2 motors together on the other side using the 13 hole beam.



Parts

2 x single connectors

2 x right angle beams

Place single connectors in each of the top 2 holes of the right angle beams



Parts:

None

Attach the right angle beams to the 13 hole beam in front of the motors



Parts

4 x long connectors

1 x 7 hole beam

Place the long connectors into the 2 end holes on each side of the 7 hole beam



## Parts

2 x 2 hole single rod beams

Connect the 2 hole single rod beams to the connectors of the 7 hole beam with the rod holes on the inside.

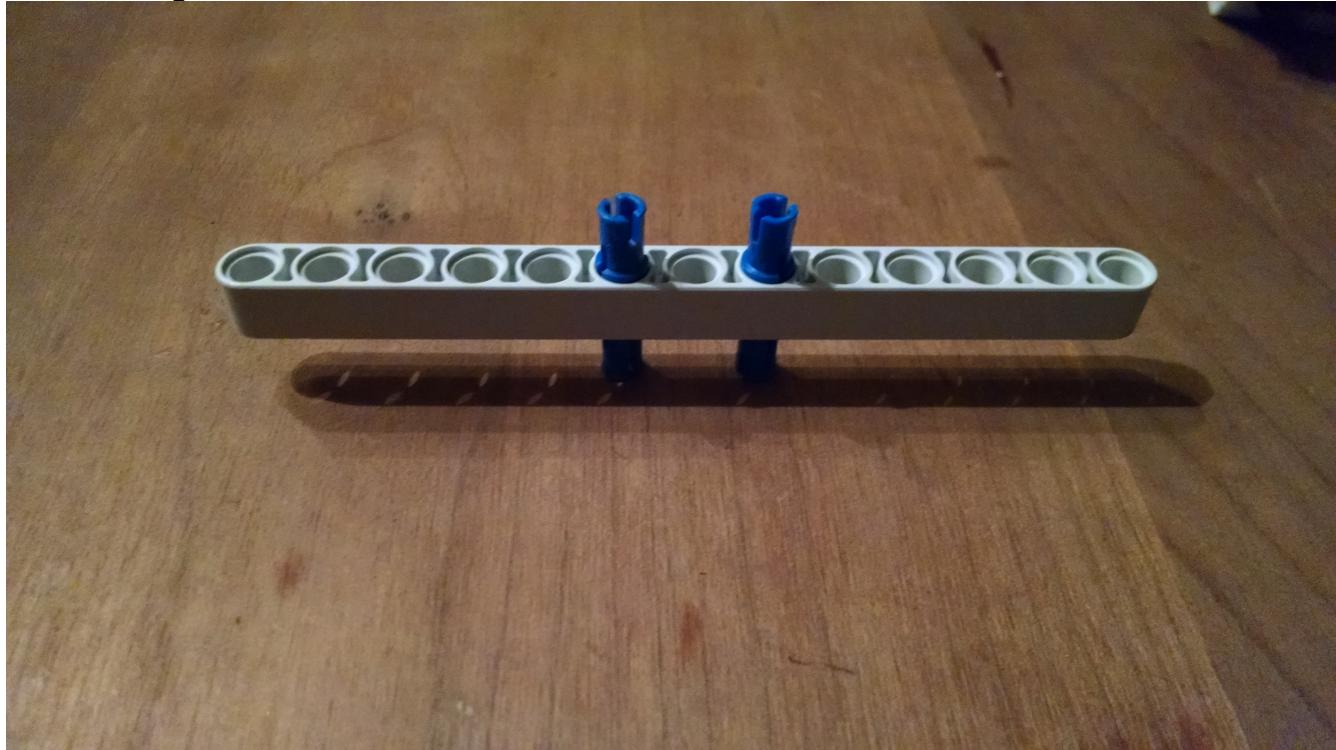


## Parts

2 x long connectors

1 x 13 hole beam

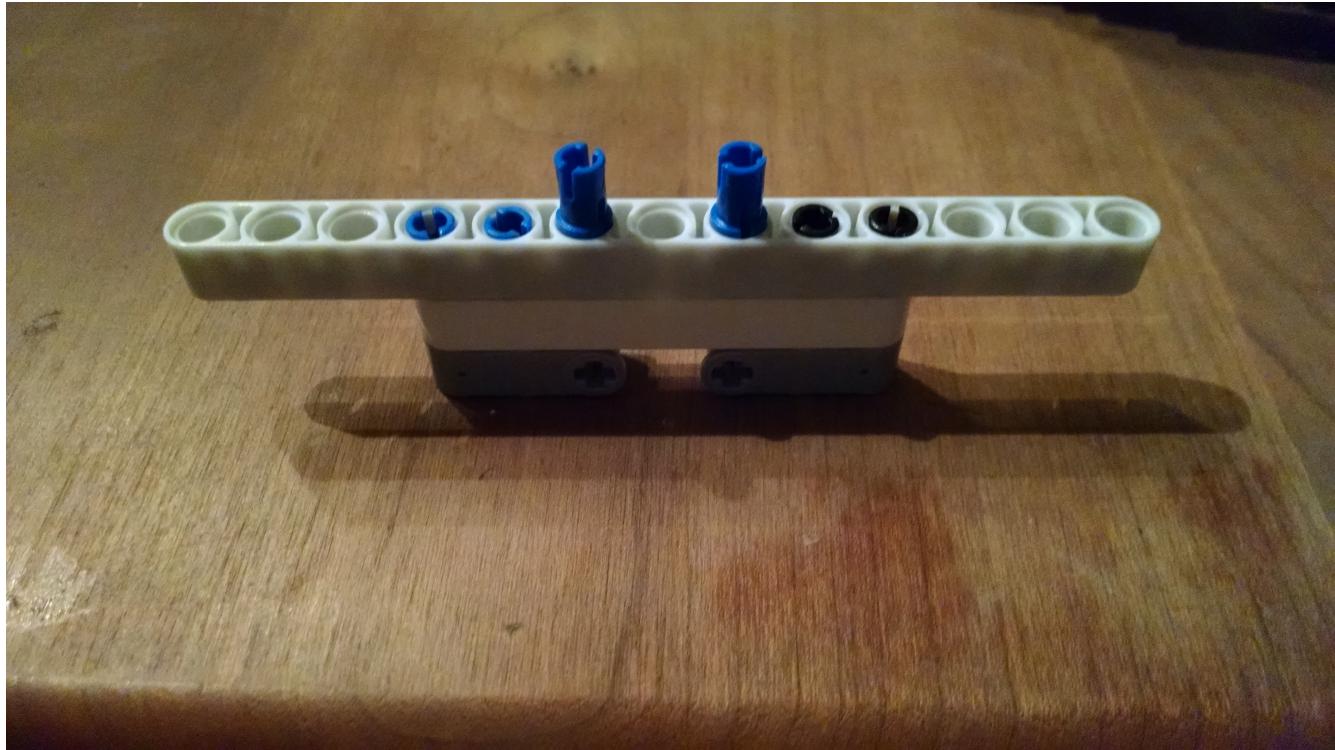
Place the long connectors 6 holes in on each end of the 13 hole beam



Parts

None

Connect the 9 hole beam with the 13 hole beam



Parts

2 x short rods

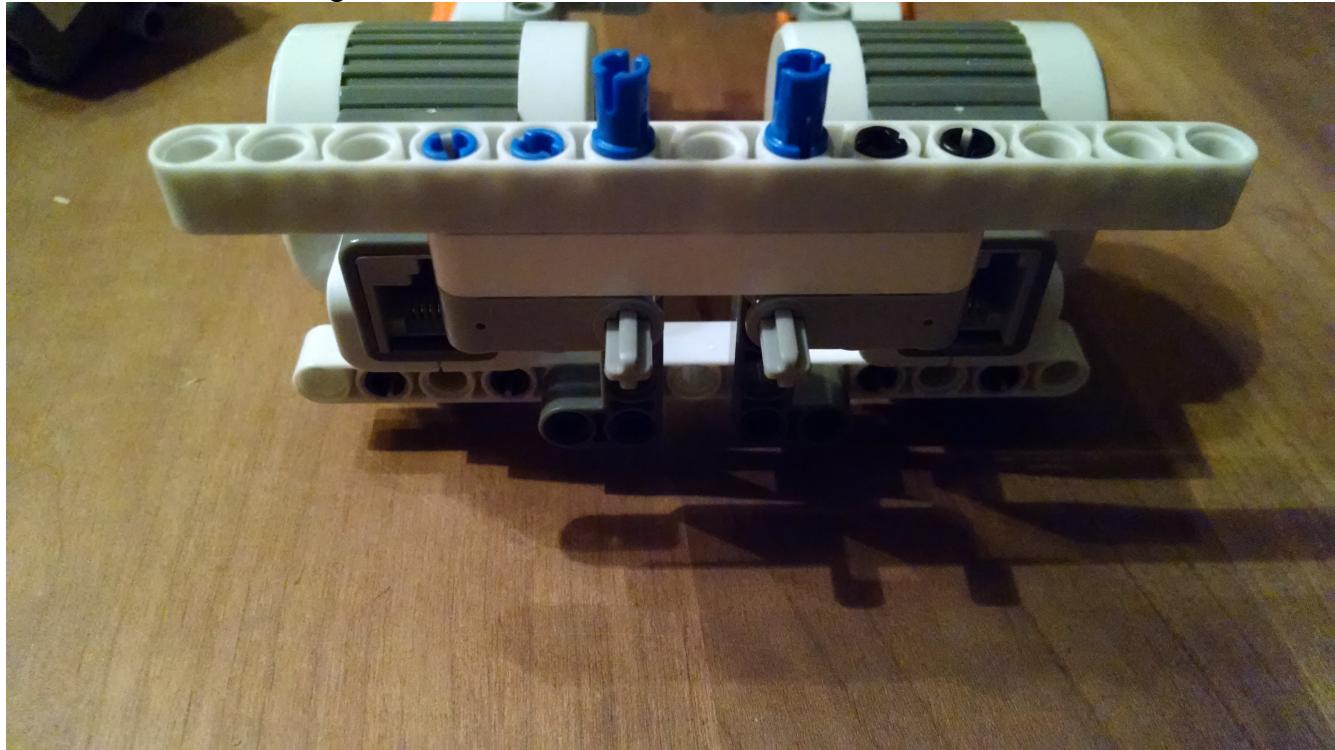
Insert the short rods into the rod holes on the 2 right angle beams



Parts

None

Slide the short rods through the rod holes on the 2 hole rod beams



## Parts

2 x long connectors

1 x color sensor

Place the long connectors through the bottom 2 holes on the color sensor.



Parts

2 x 2 hole rod beams

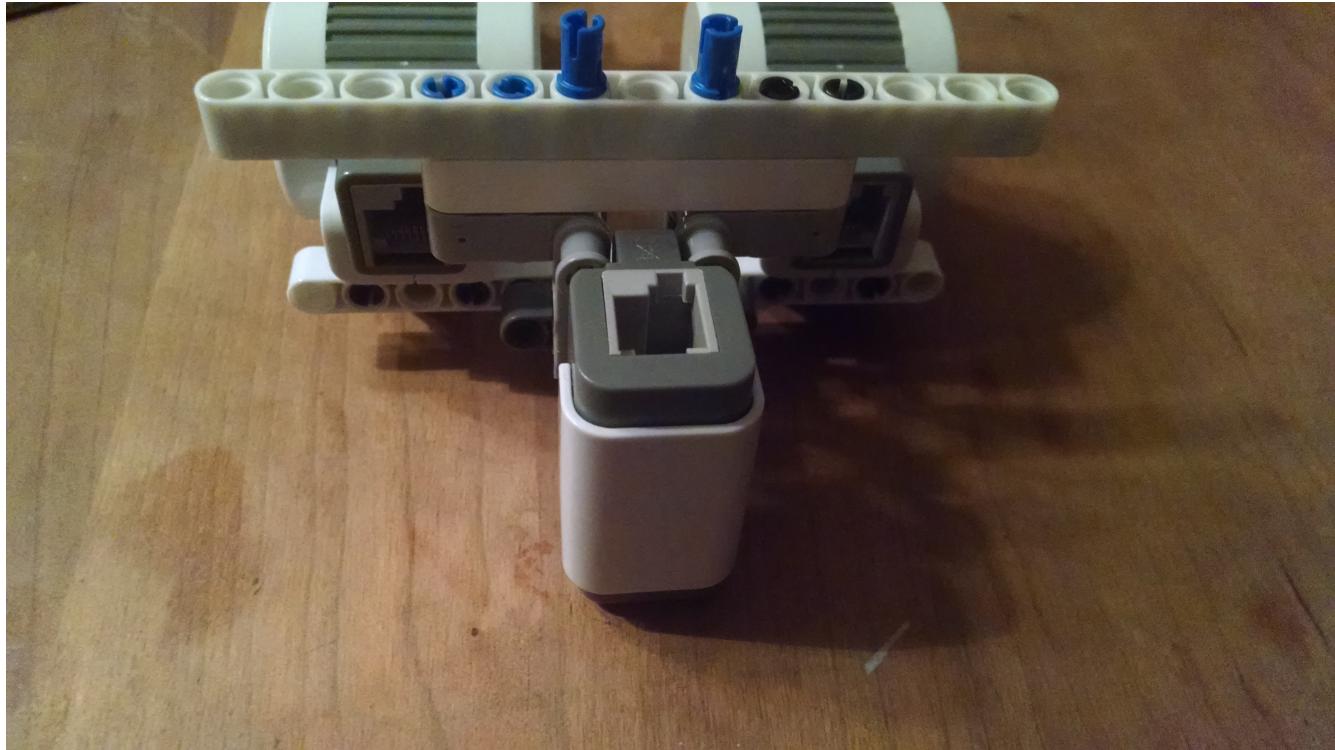
Attach the 2 hole rod beams to the color sensor



Parts

None

Attach the color sensor to the small rods



Parts

2 x wheel with tire

2 x medium rod

Push a medium rod through each wheel with tire.



Parts

2 x rod facet

Place a rod facet on each rod in the wheels with tires



Parts

None

Attach each wheel with tire to the motor by pushing the rod through the middle hole of the axle.



## Parts

1 x Long Rod

1 x Wheel with no Tire

Slide the long rod half way through the middle hole on the motor. Place the wheel with no tire in between the motors and push the long rod through the rod hole in the wheel.



## Parts

1 x Brick

3 x Wires

Place the brick on top of the 2 13 hole beams with the numbers ports next to the color sensor. Connect the color sensor to the #1 port and the right and left motors to the A and C port respectively.

