

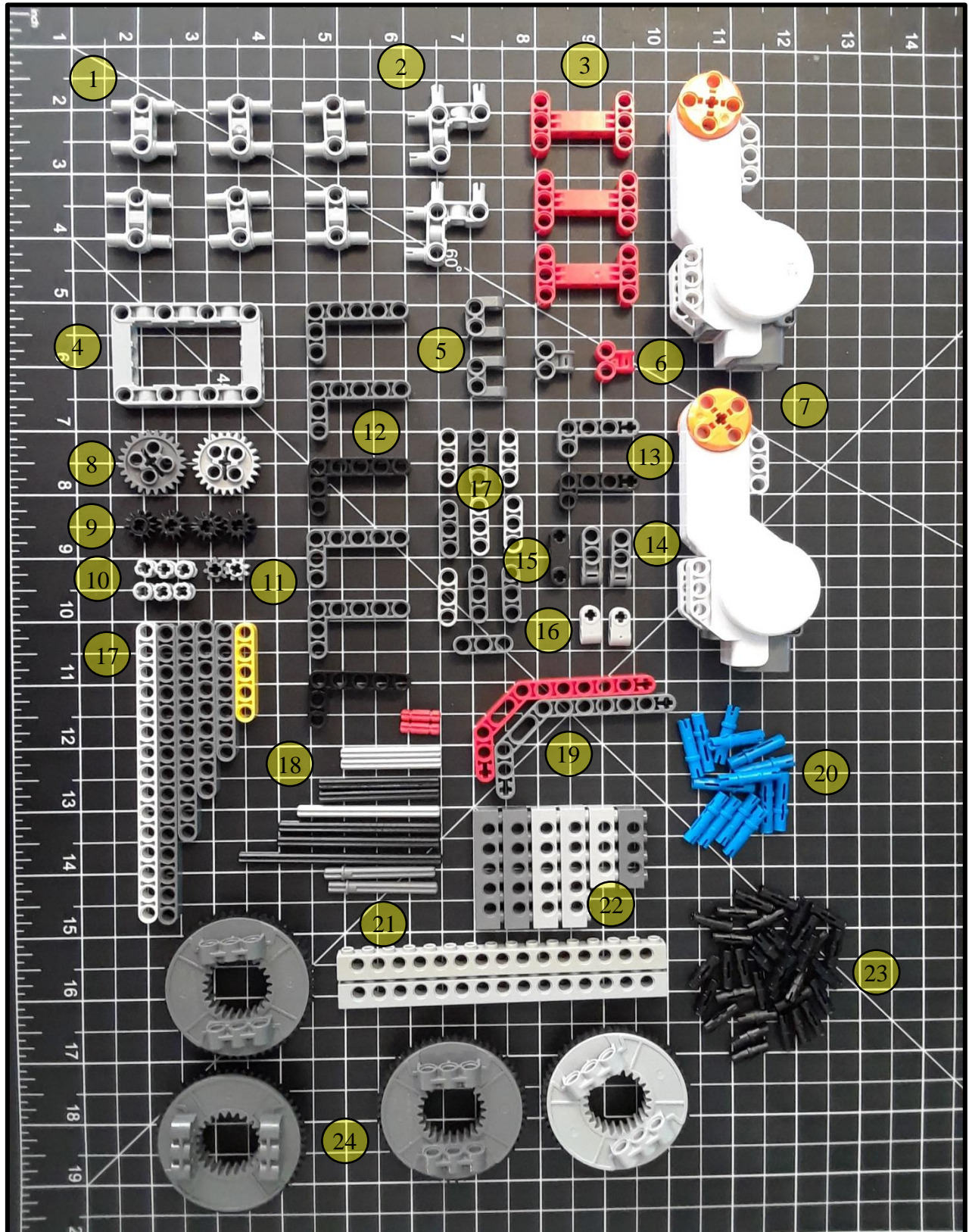
# 2-Link Planar LEGO Robotic Arm

## Build Plans

By:  
Norberto Torres-Reyes

Date:  
02/17/19

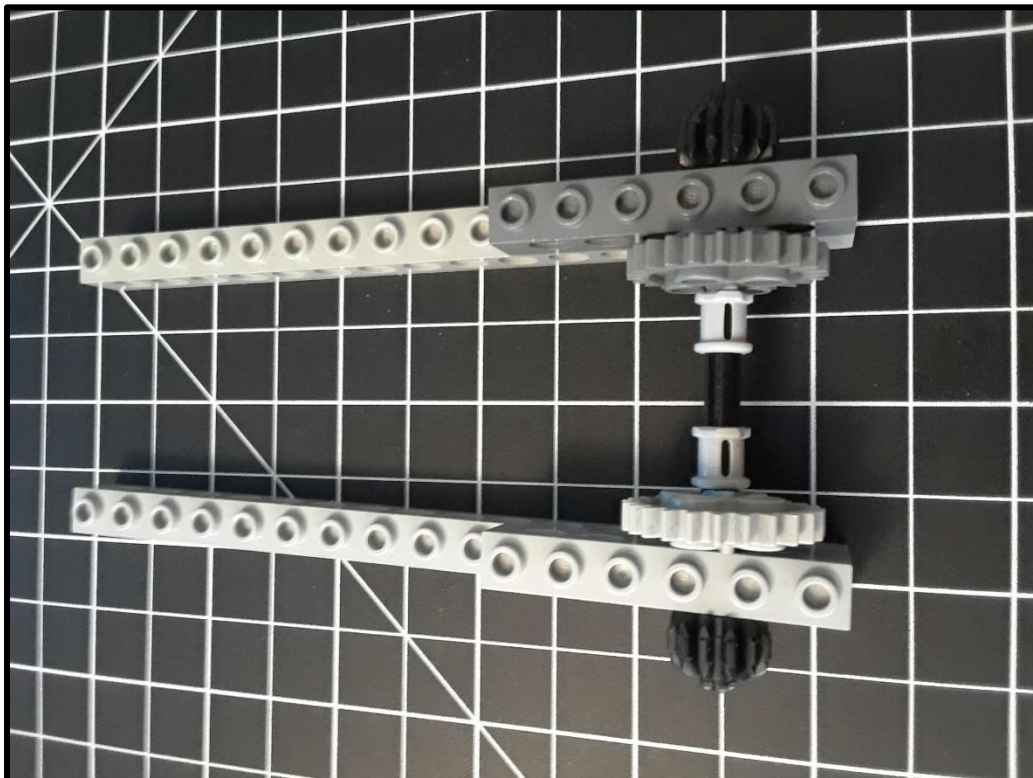
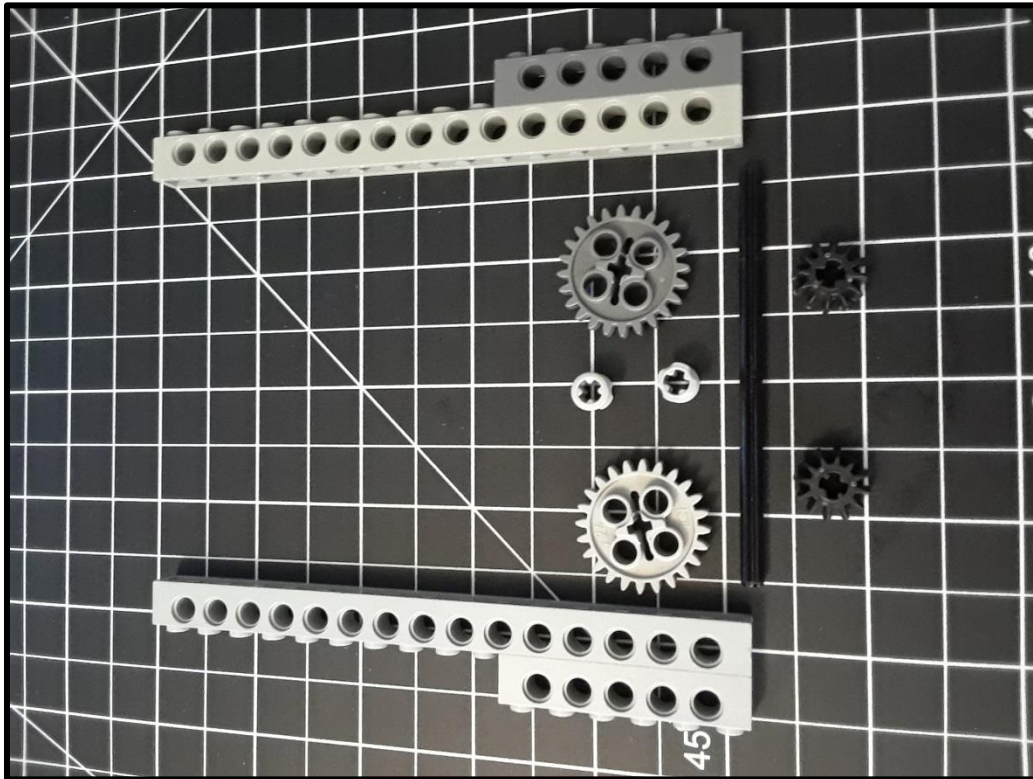
# Parts List Diagram



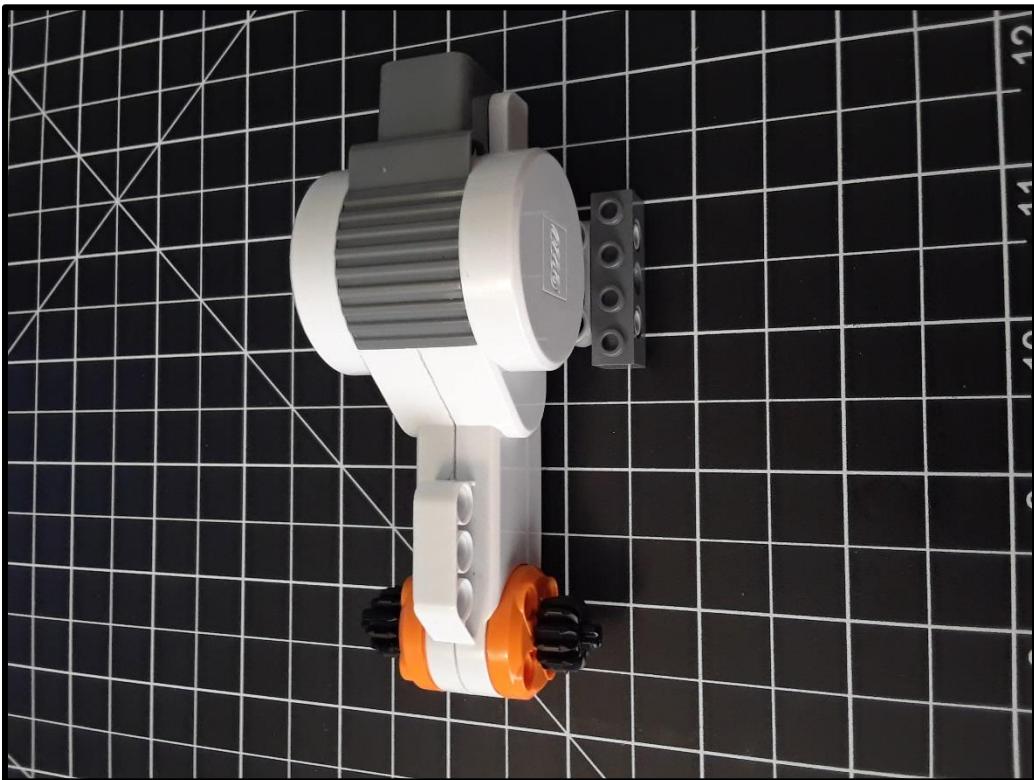
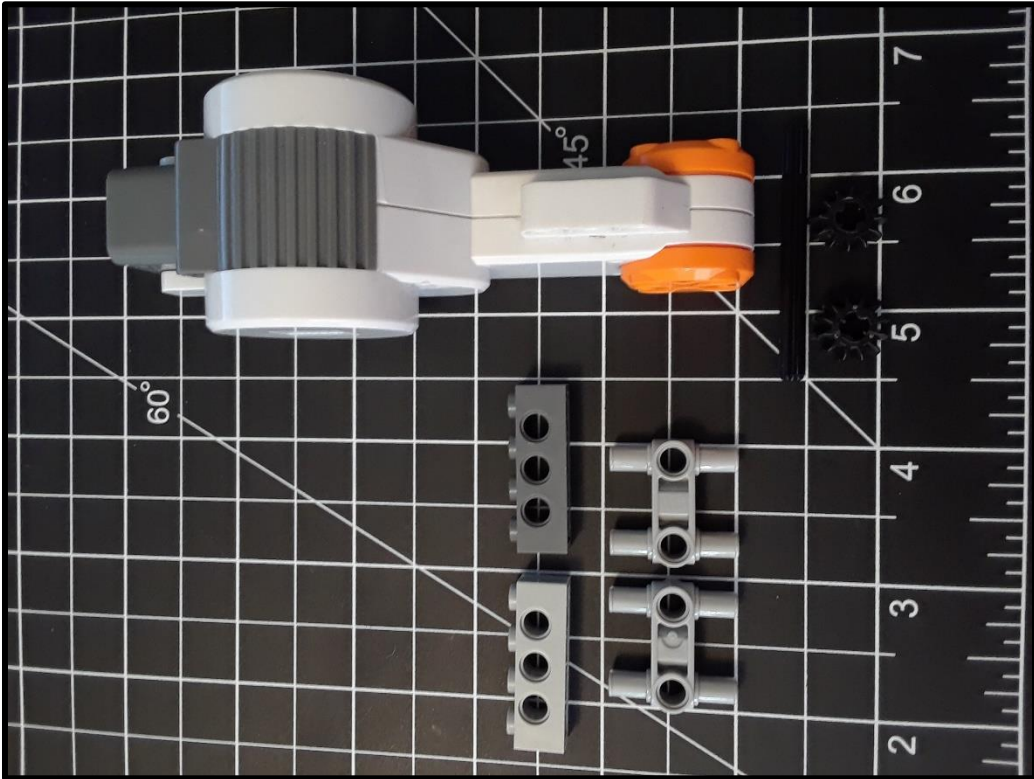
## Part List Description

1. Double Connector Peg, 3x3-module (x6)
2. Angular Connector Peg, 3x3-module (x2)
3. Beam I-Frame (x3)
4. Frame, 5x7-module (x1)
5. Cross Block Fork, 2x2-module (x2)
6. Cross Block, 2x2-module (x2)
7. Servo Motor (x2)
8. Gear, 16-tooth (x2)
9. Double Bevel Gear, 12-tooth (x4)
10. Bushing, 1-module (x6)
11. Gear, 8-tooth (x2)
12. Angular Beam, 3x5-module (x6)
13. Angular Beam, 2x4-module (x2)
14. Cross Block, 3-module (x2)
15. Double Cross Block, 3-module (x1)
16. Cross Block, 2-module (x2)
17. Beams
  - a. 15-module (x2)
  - b. 11-module (x1)
- c. 9-module (x1)
- d. 7-module (x1)
- e. 5-module (x1)
- f. 3-module (x10)
18. Axles
  - a. 2-module (x2)
  - b. 5-module (x2)
  - c. 6-module (x2)
  - d. 7-module (x1)
  - e. 8-module (x2)
  - f. 10-module (x1)
  - g. 5.5-module (x2)
19. Double Angular Beam, 3x7-module (x2)
20. Connector Peg Friction, 3-module (x14)
21. Studded Beam, 15-module (x2)
22. Studded Beam
  - a. 5-module (x4)
  - b. 3-module (x2)
23. Connector Peg Friction, 2-module (x34)
24. Turntable 24-tooth/56-tooth (x4)

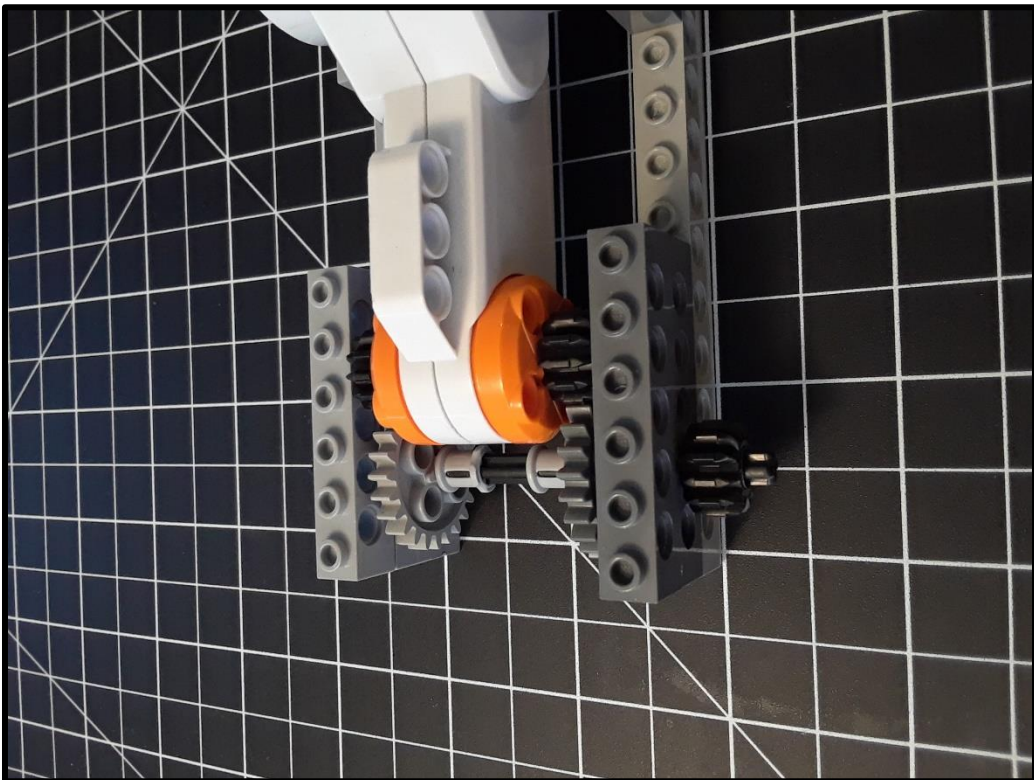
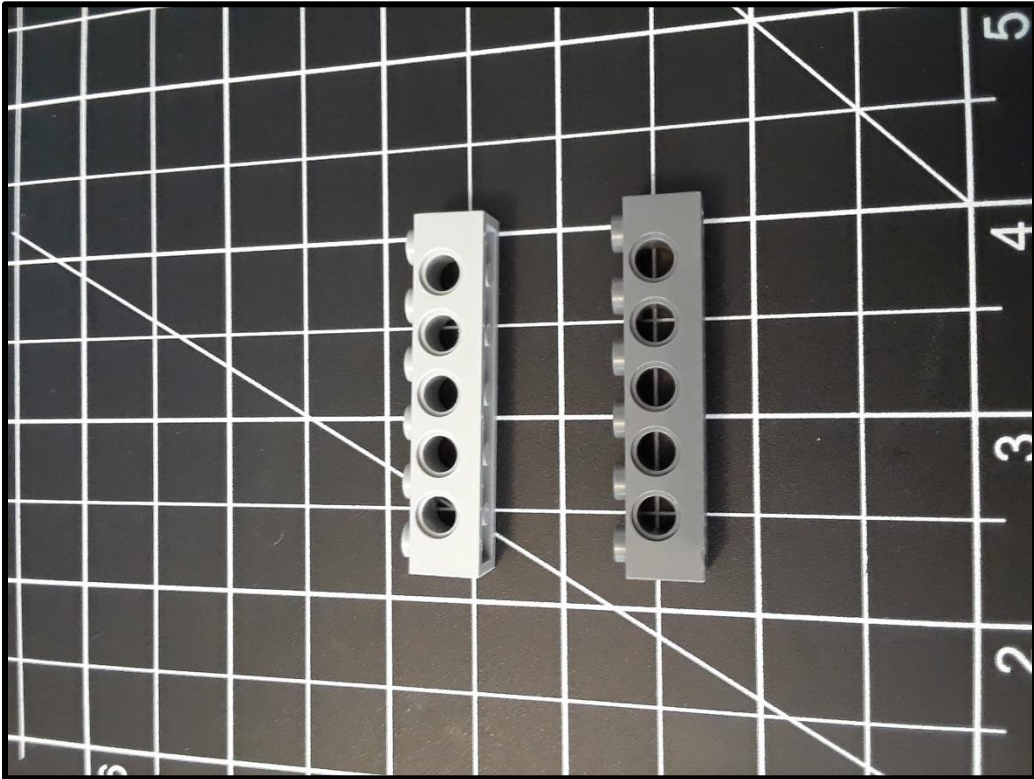
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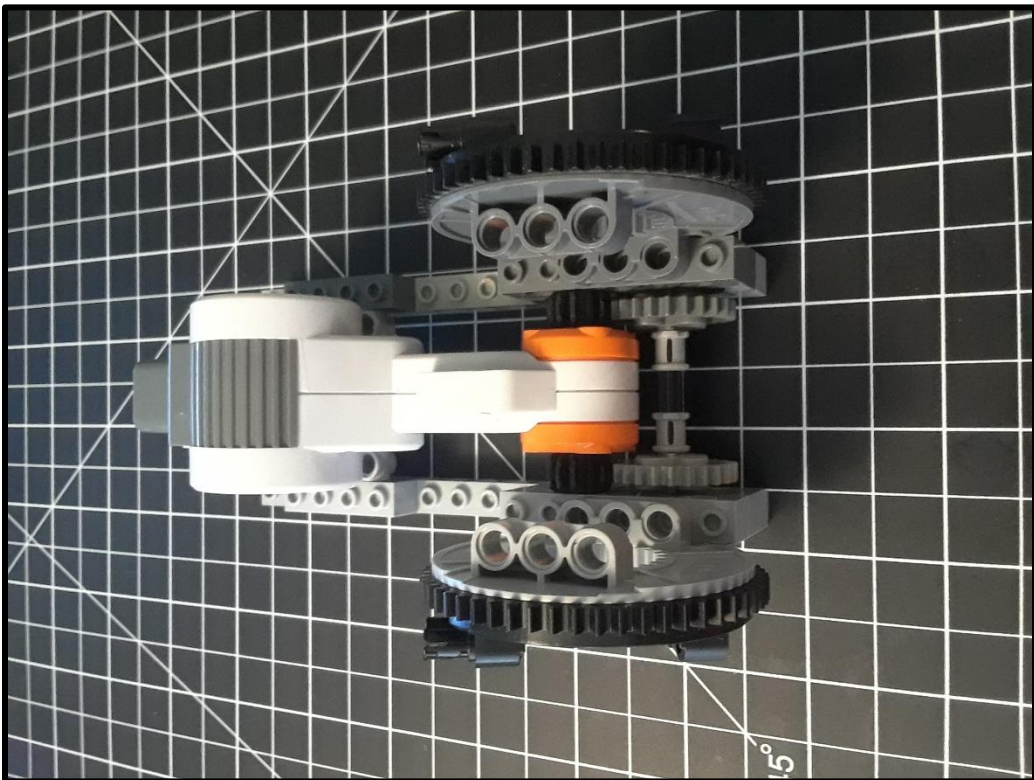
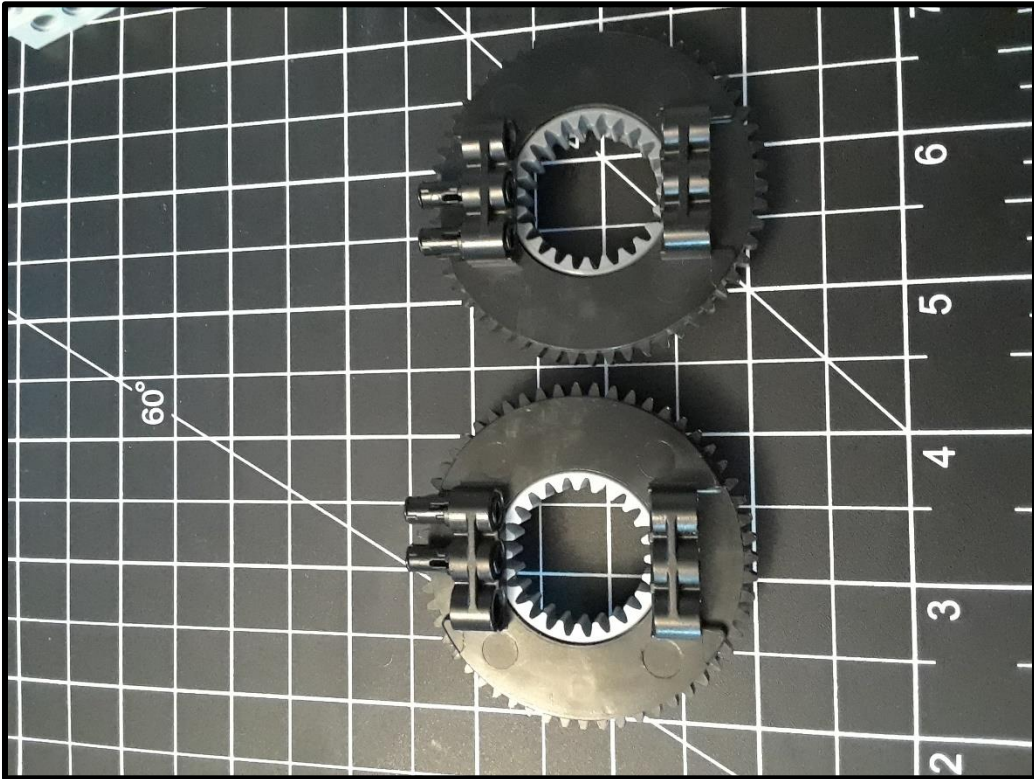
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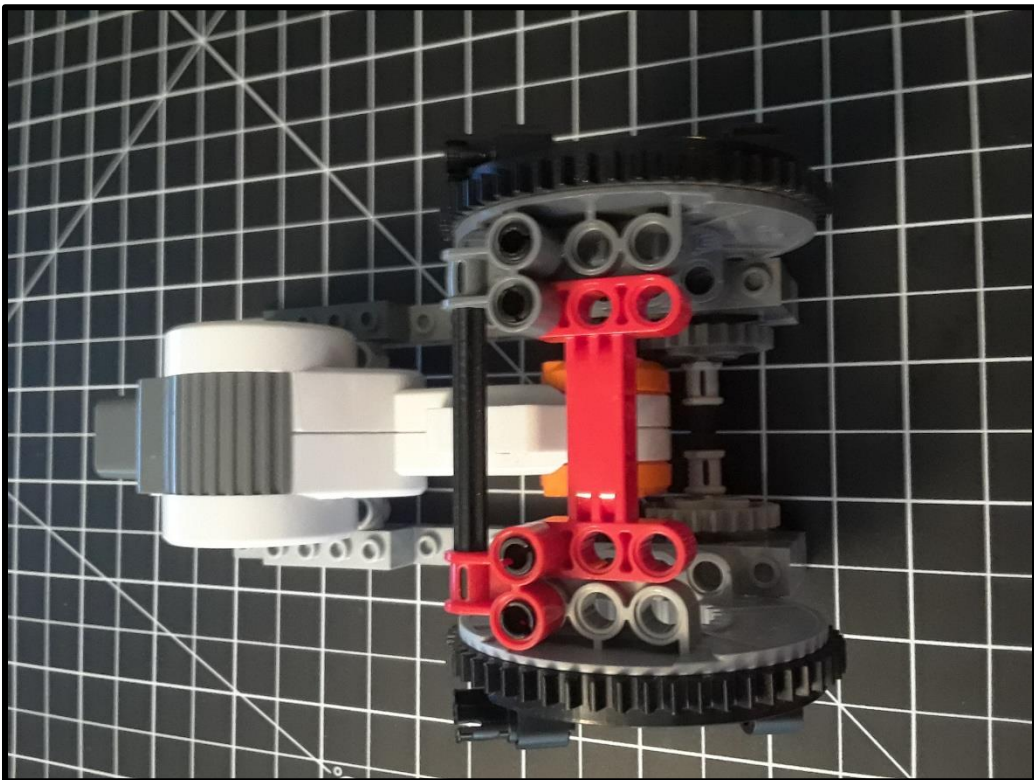
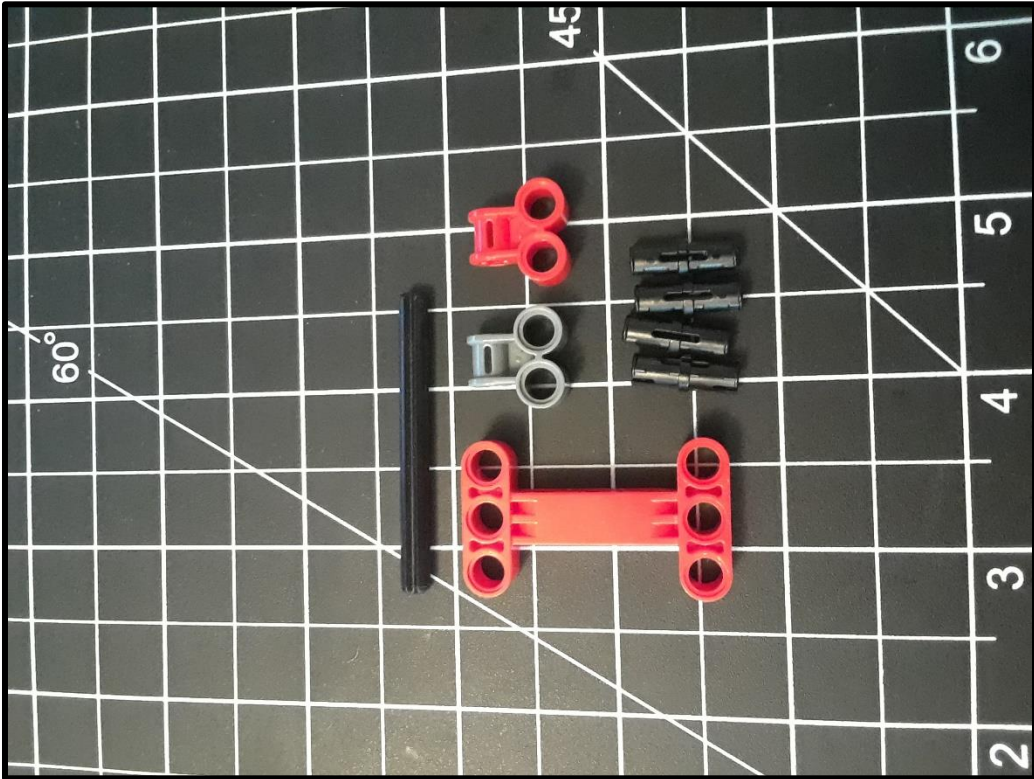
Step 3:



Step 4:

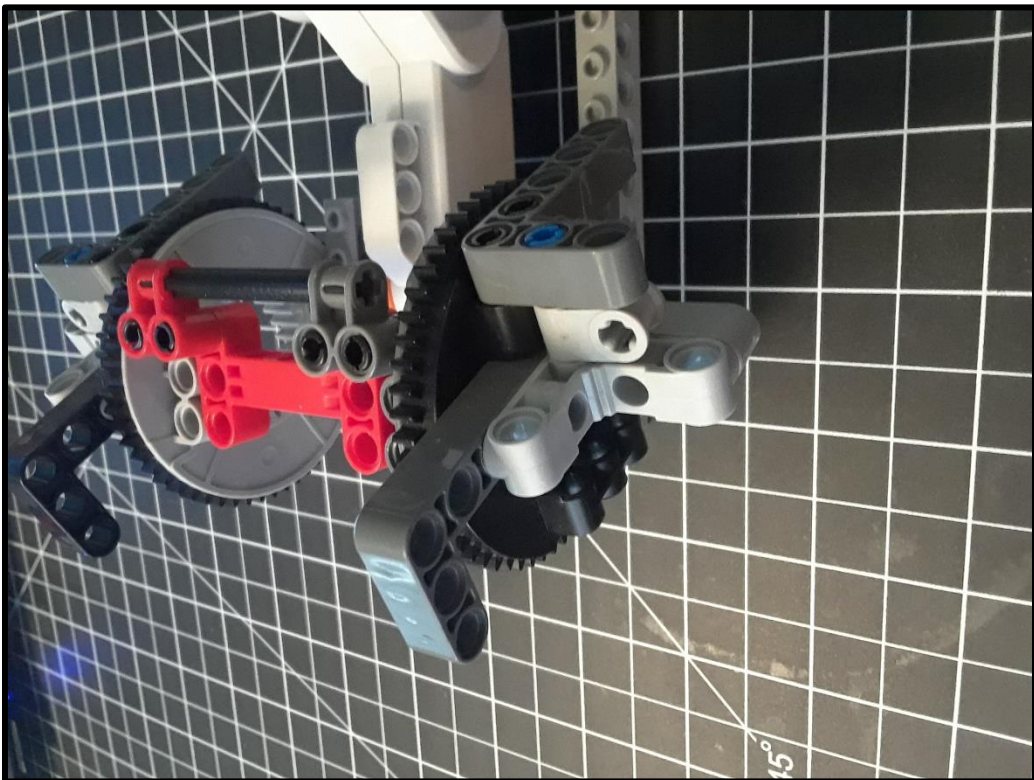
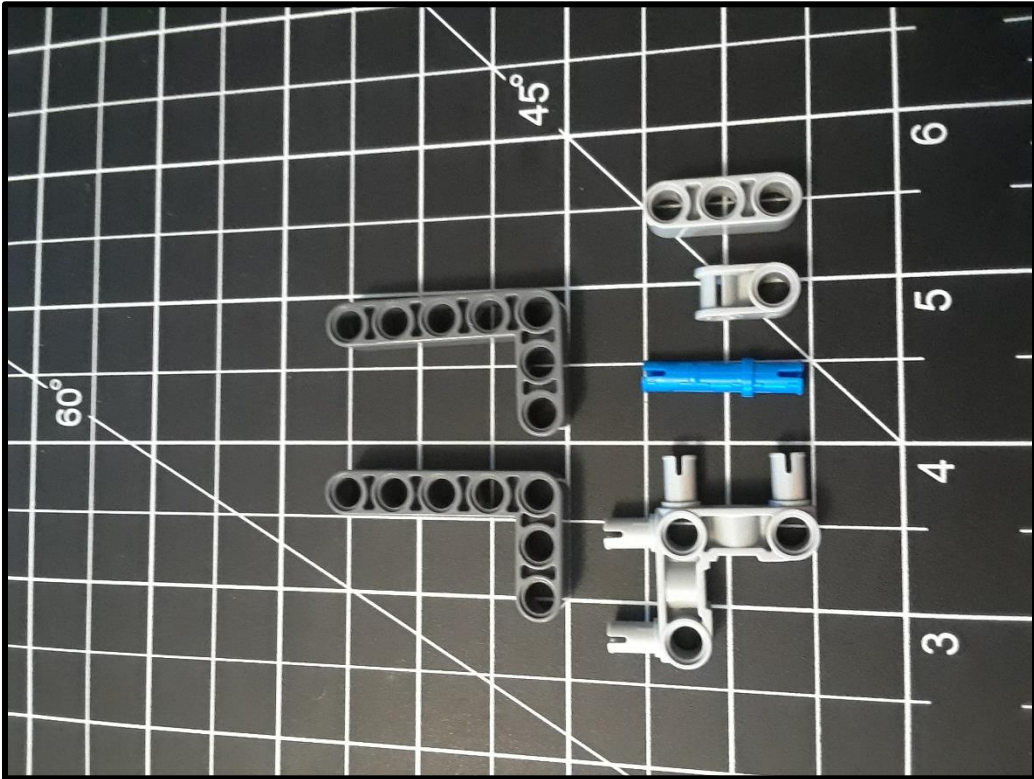


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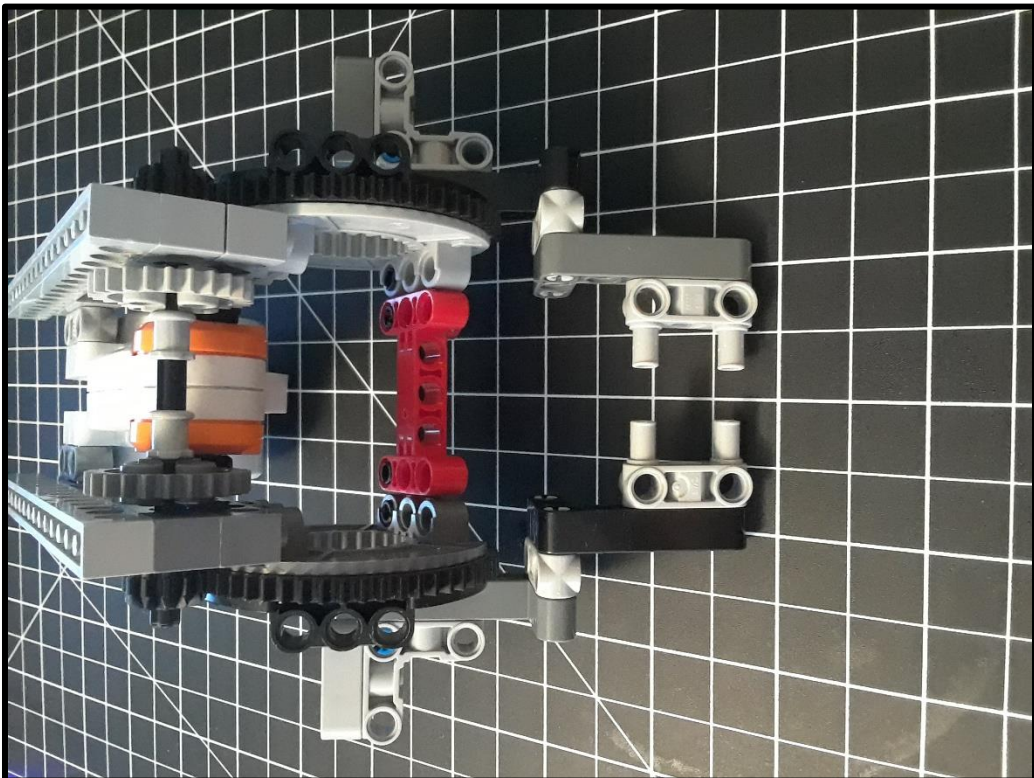
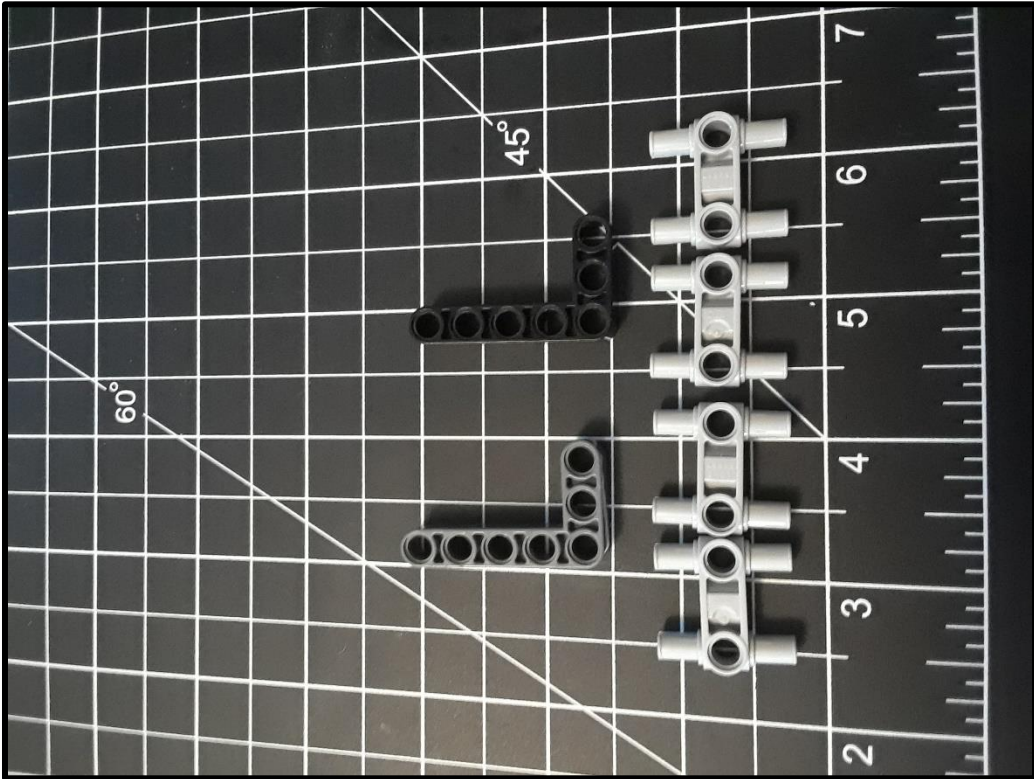




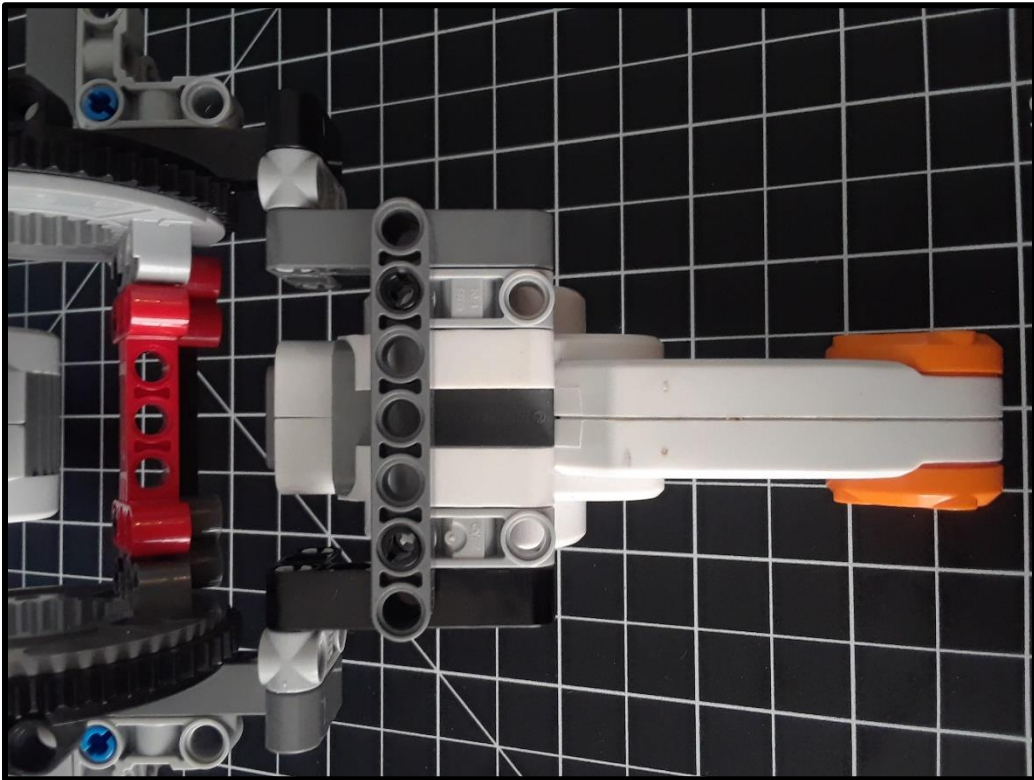
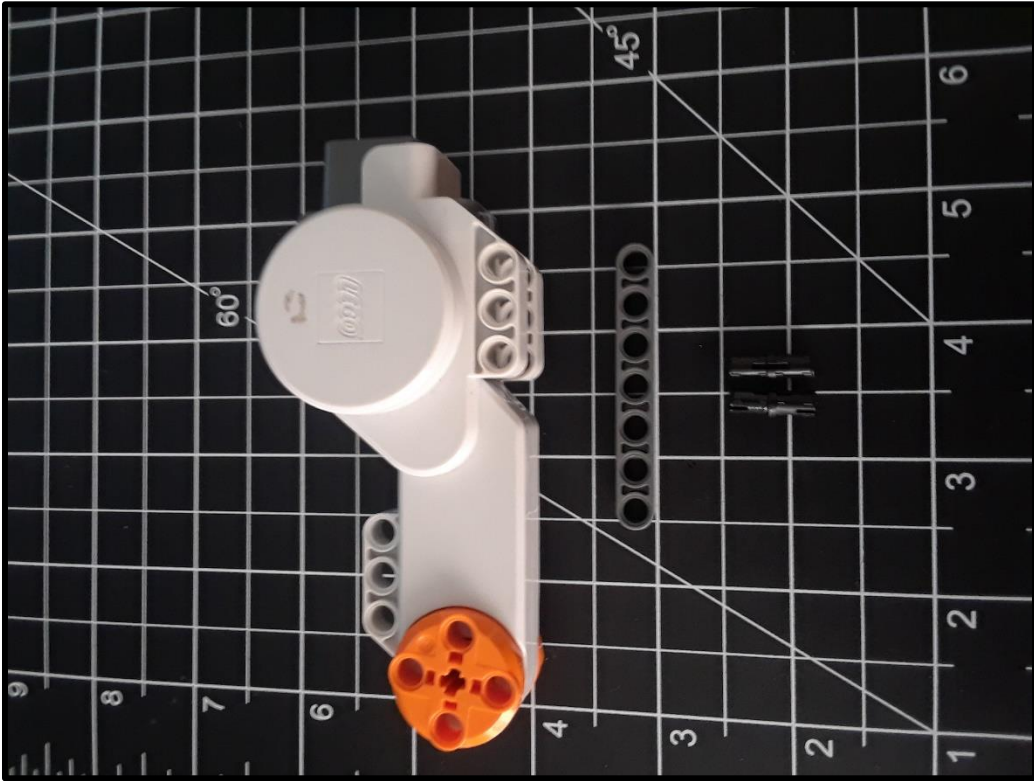
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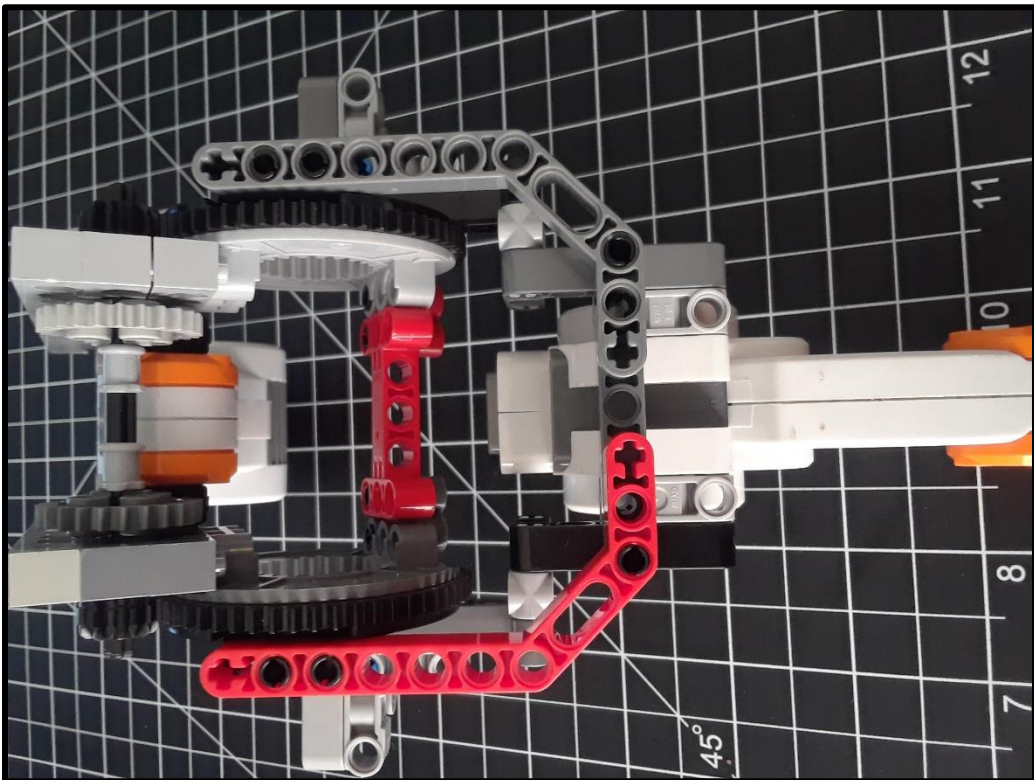
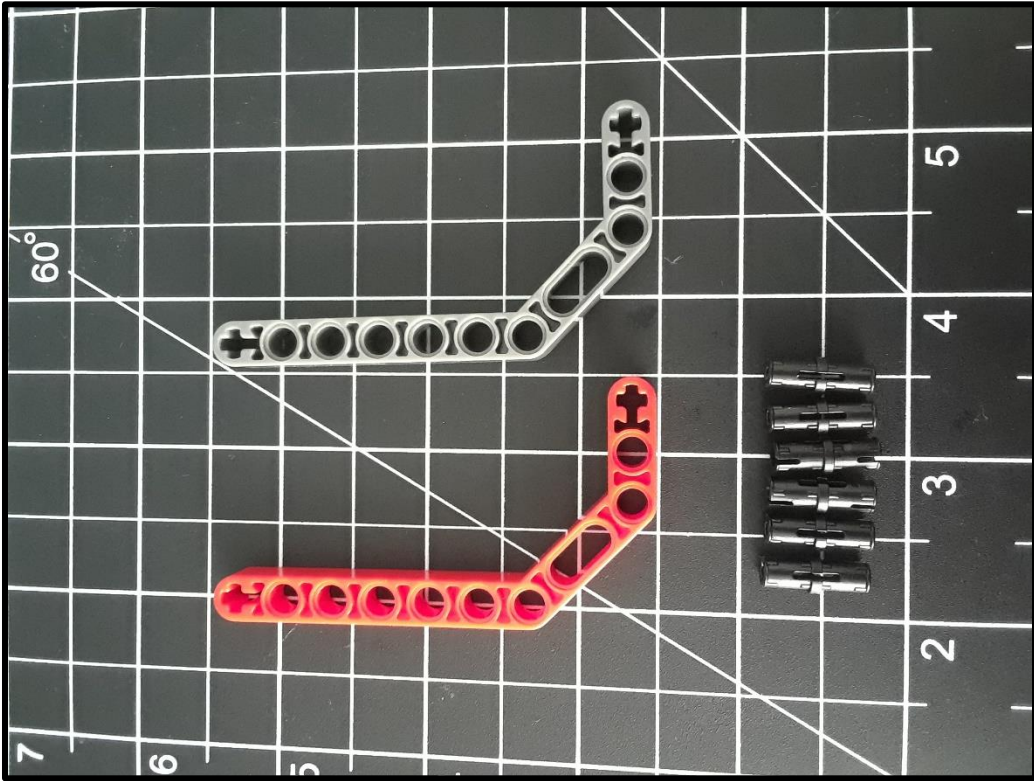
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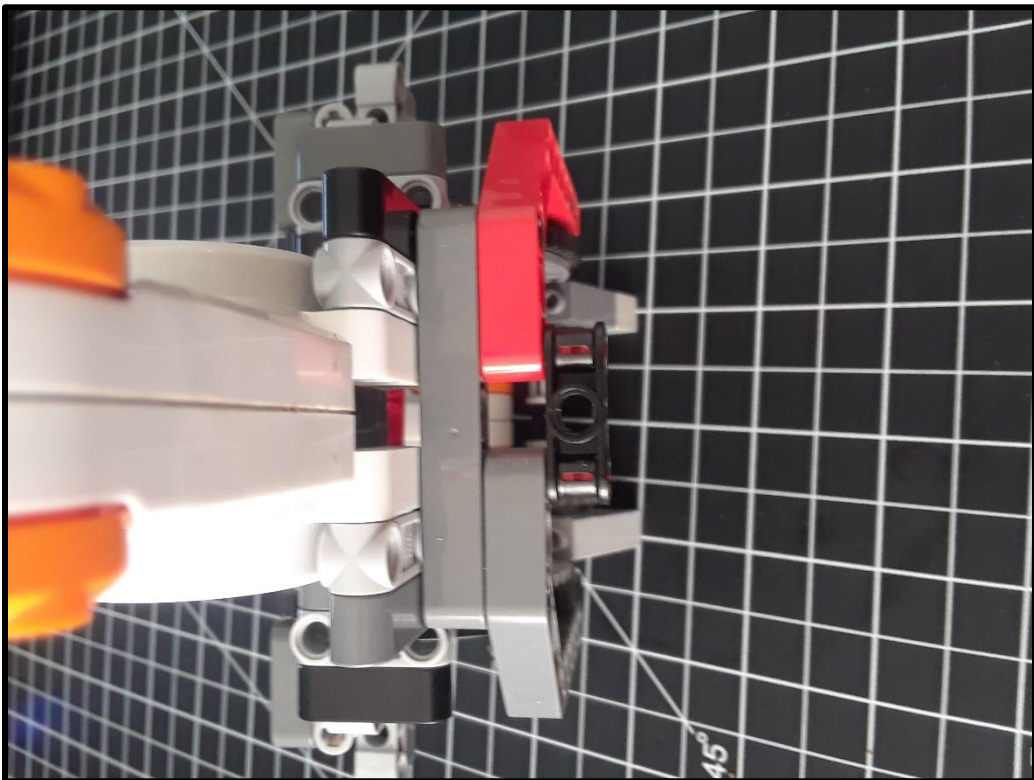
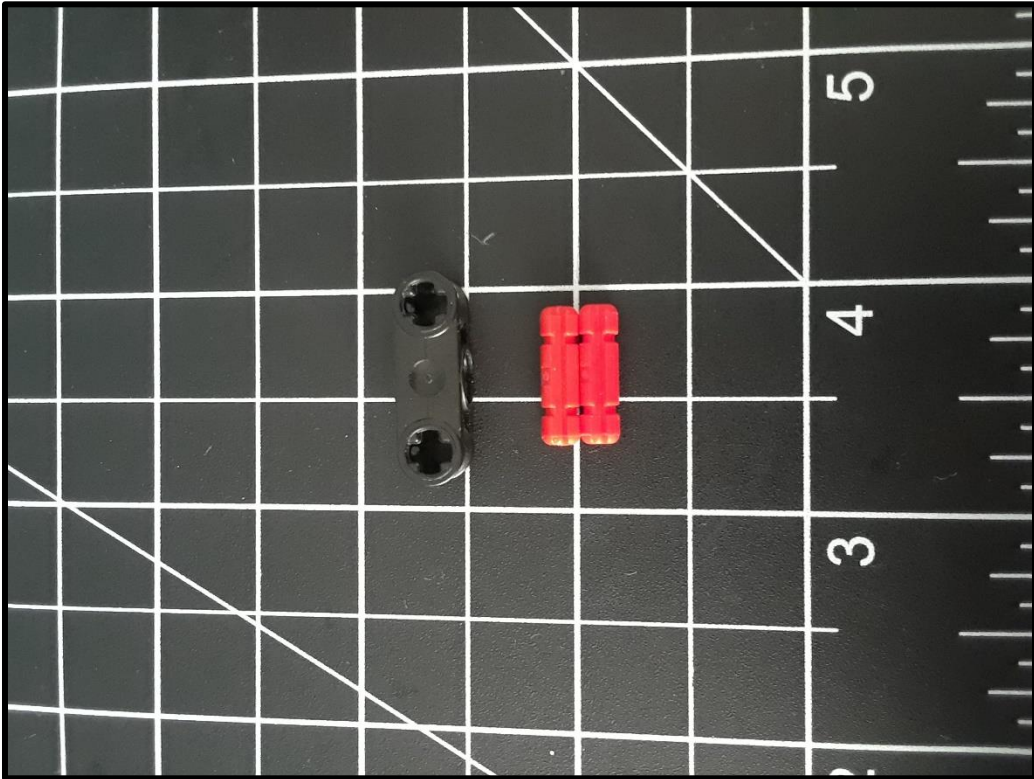
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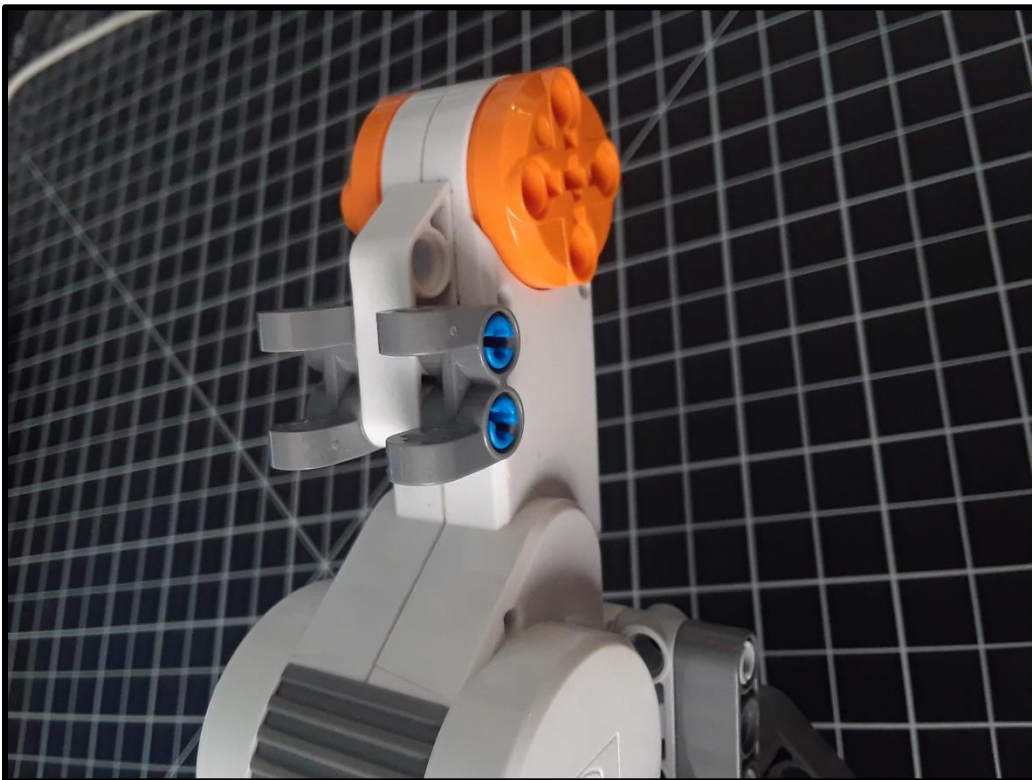
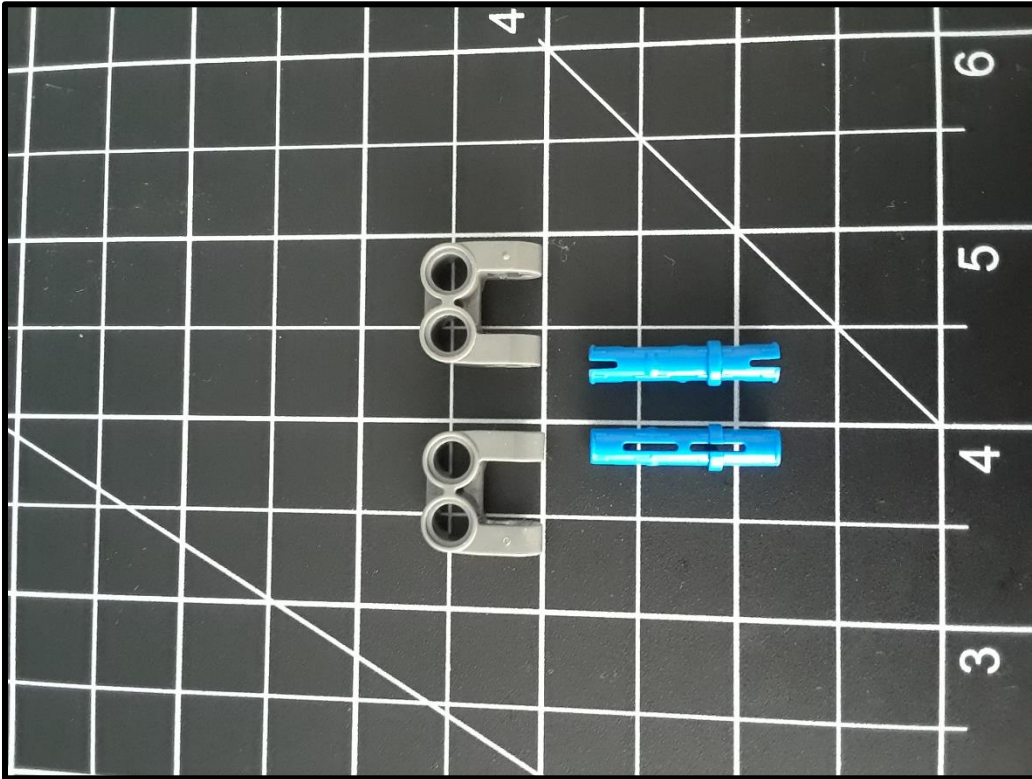
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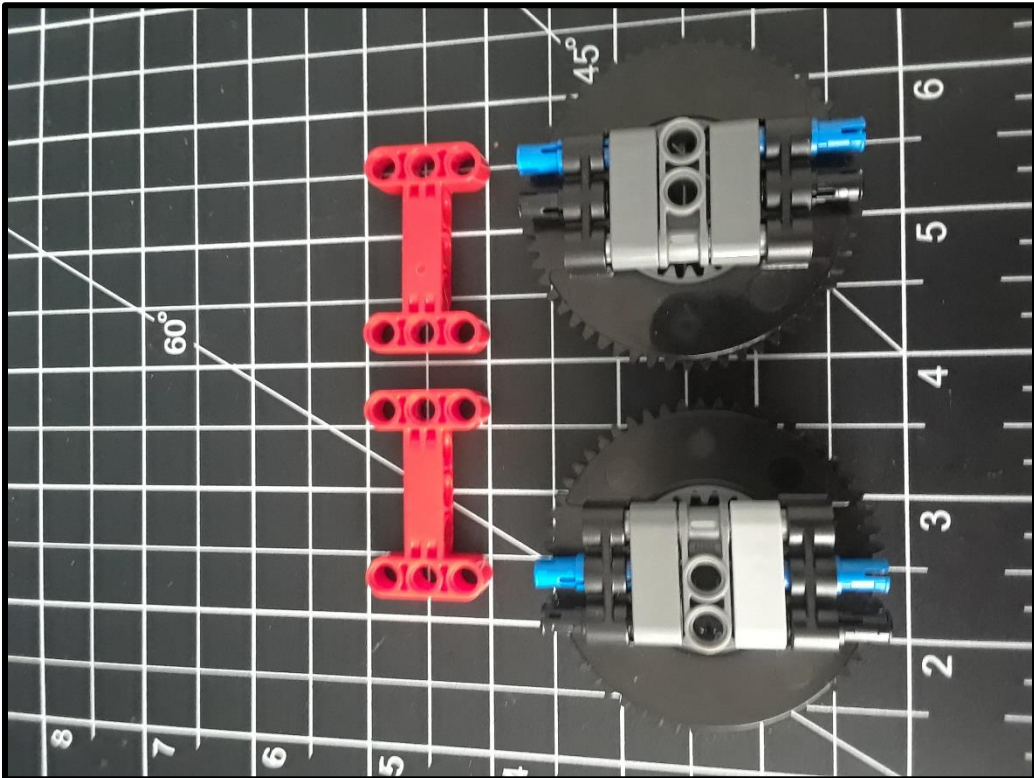
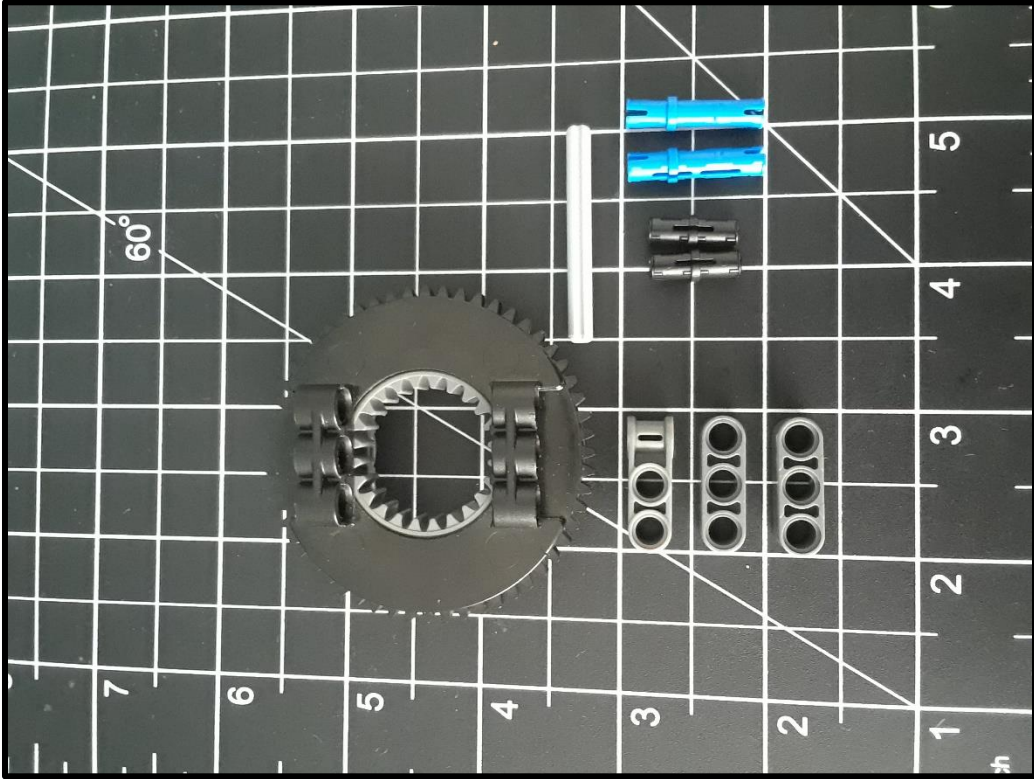
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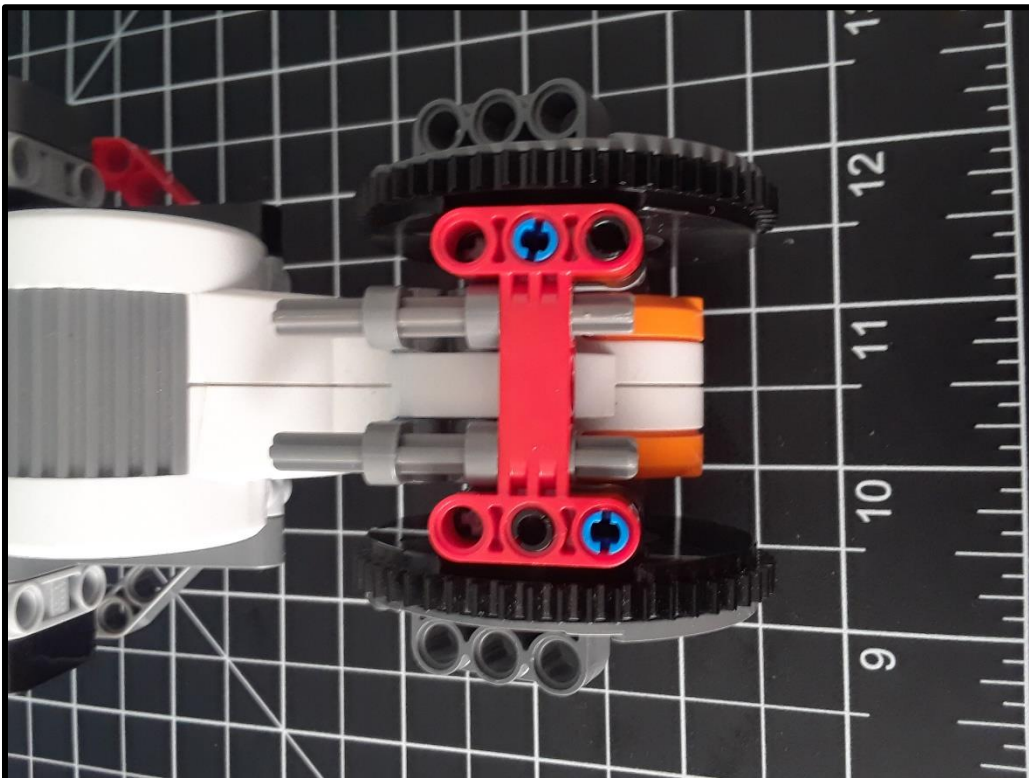
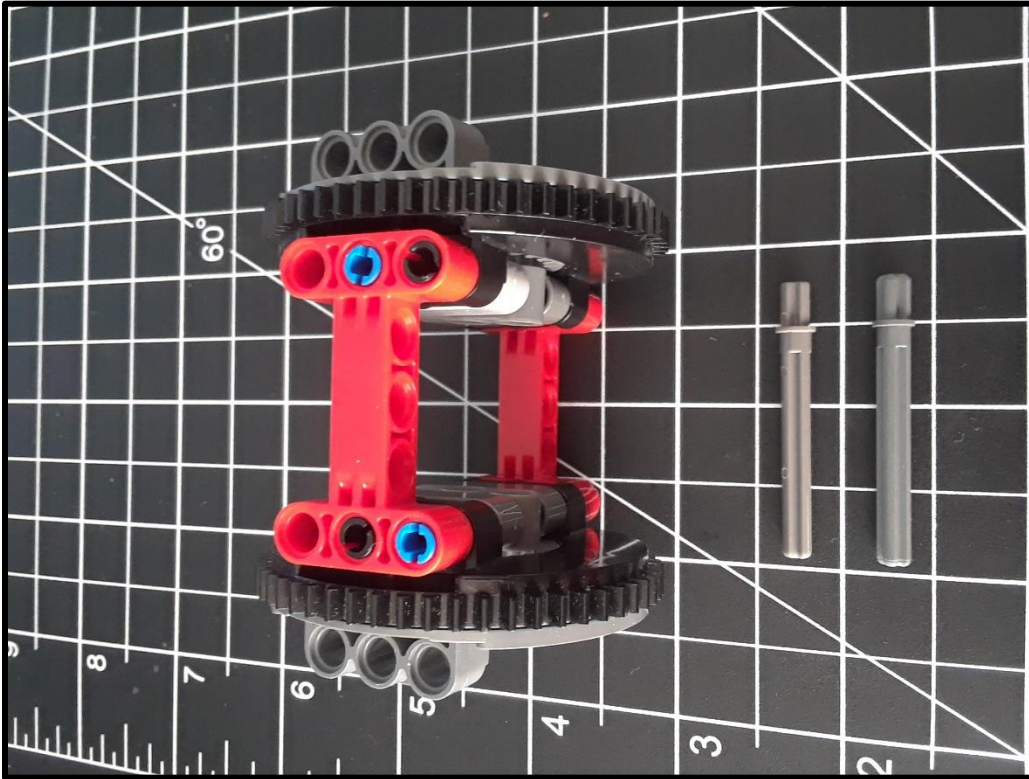
Step 11:



Step 12:

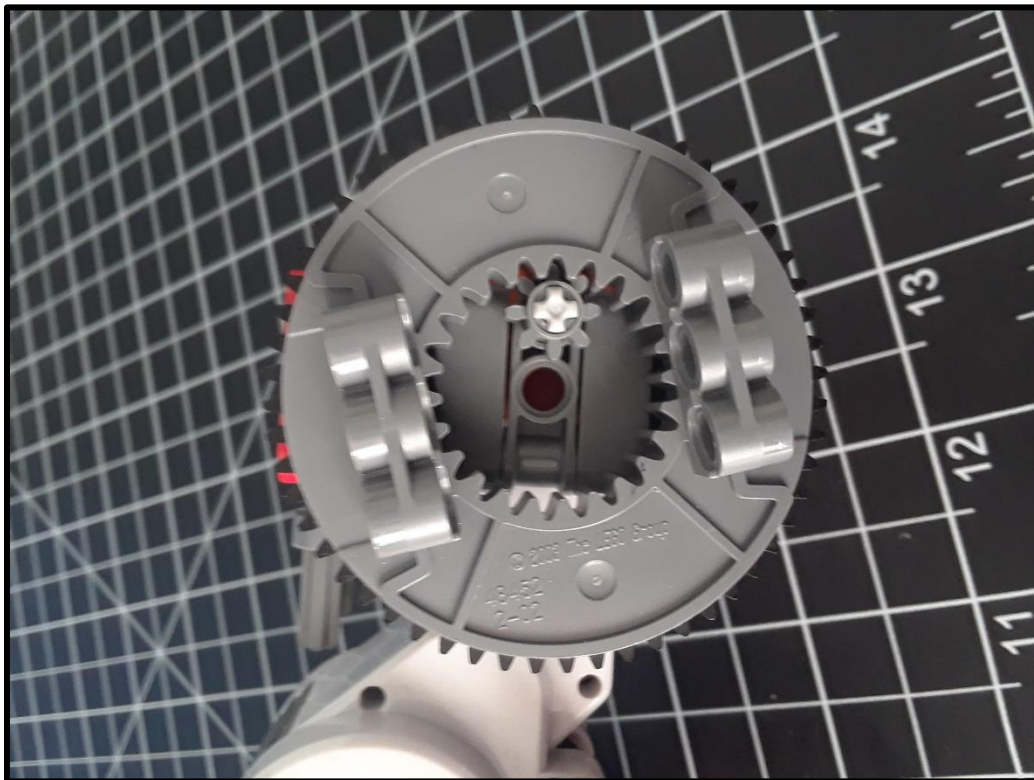
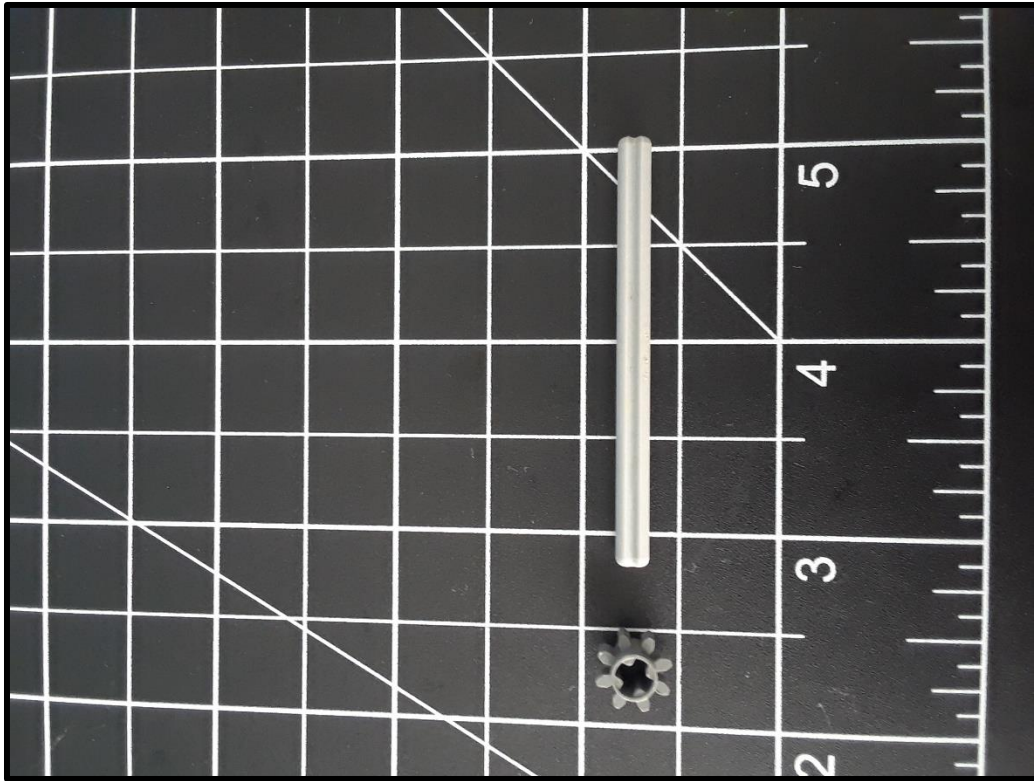


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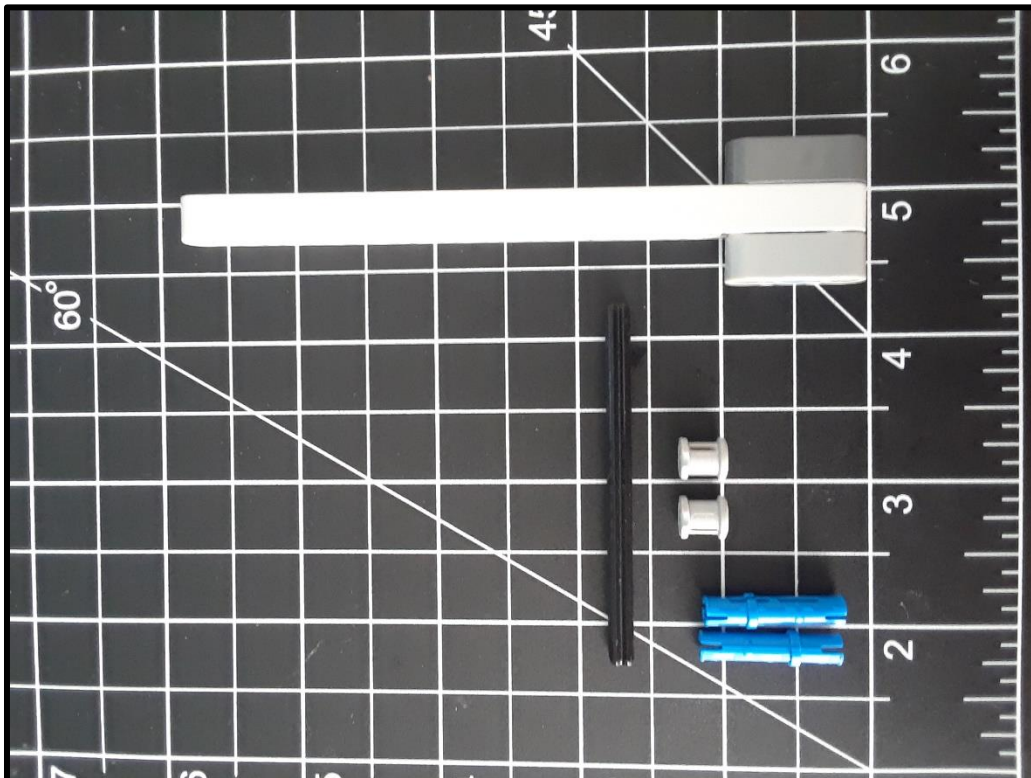
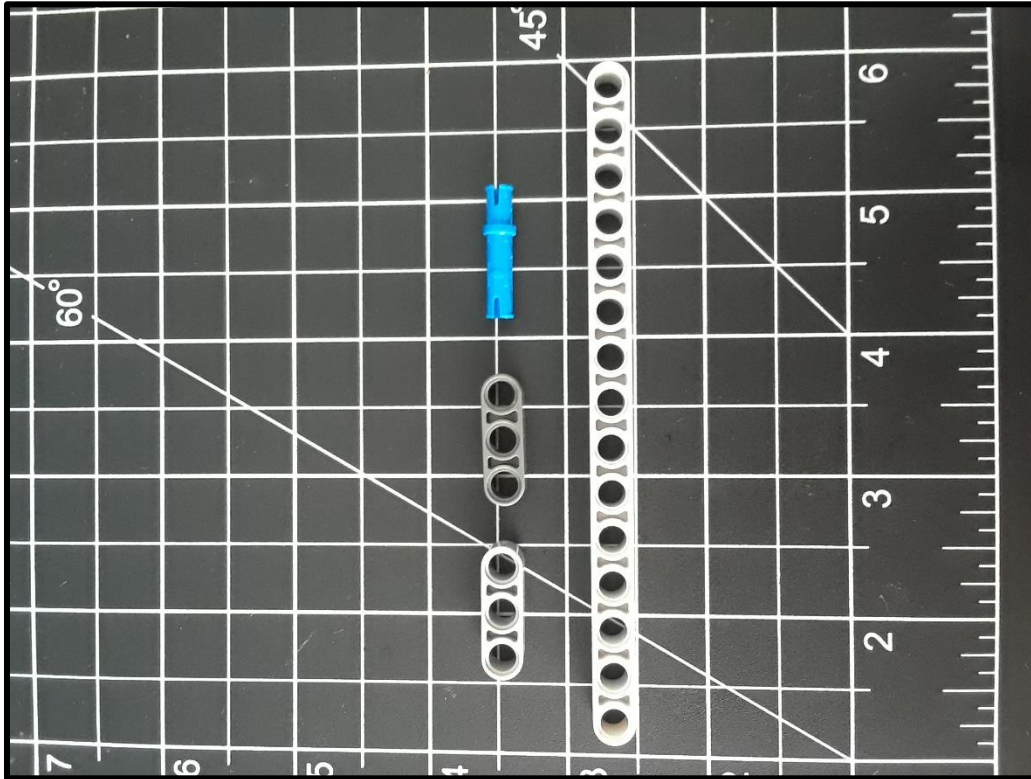




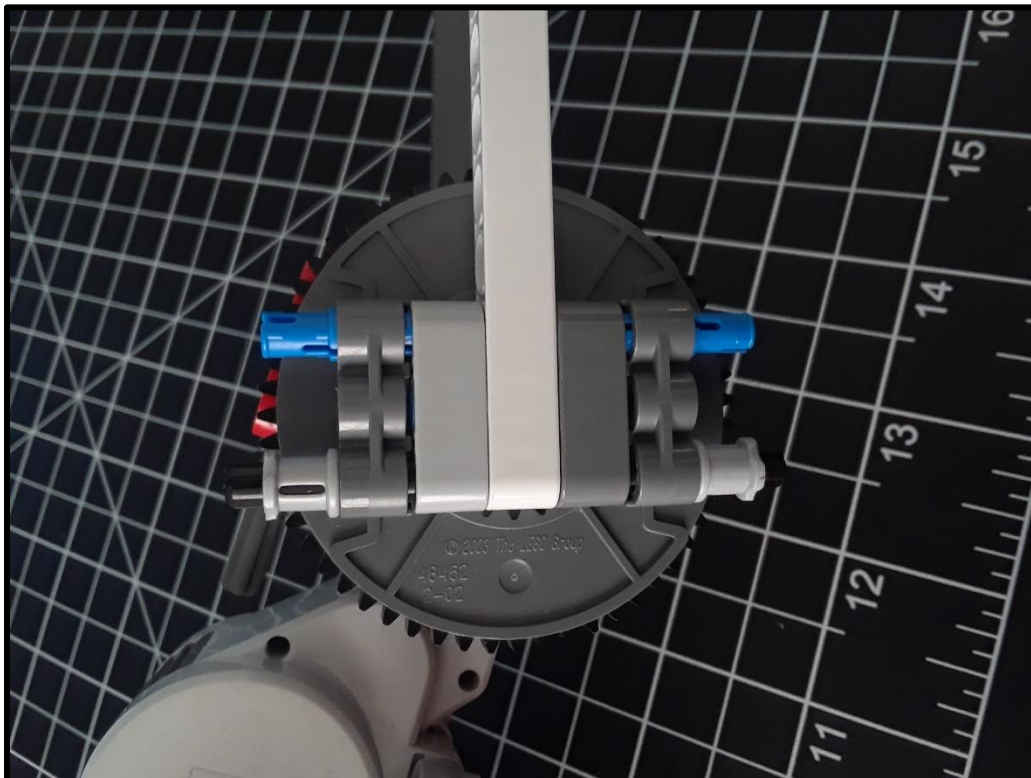
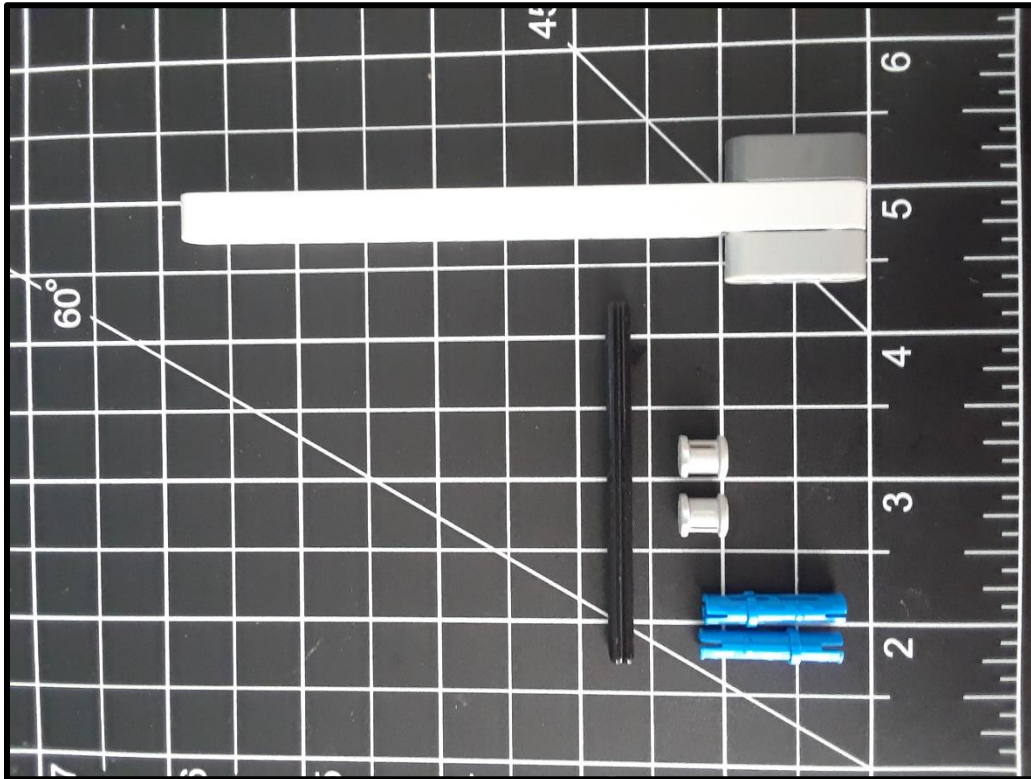
Step 14: (Two Times)



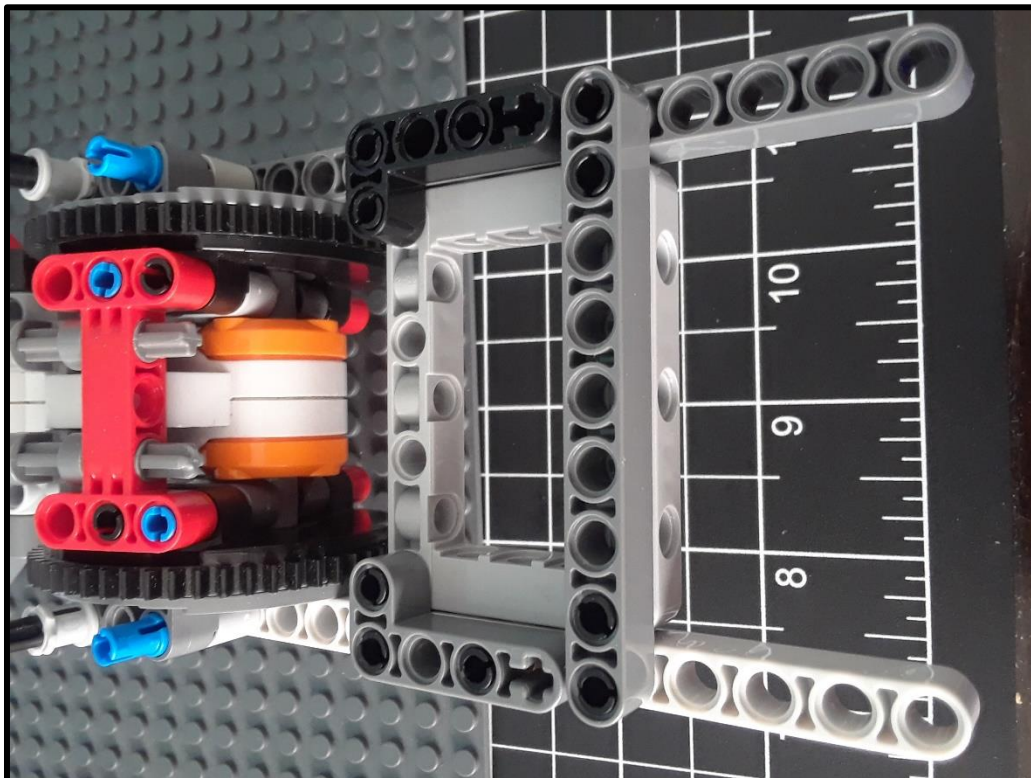
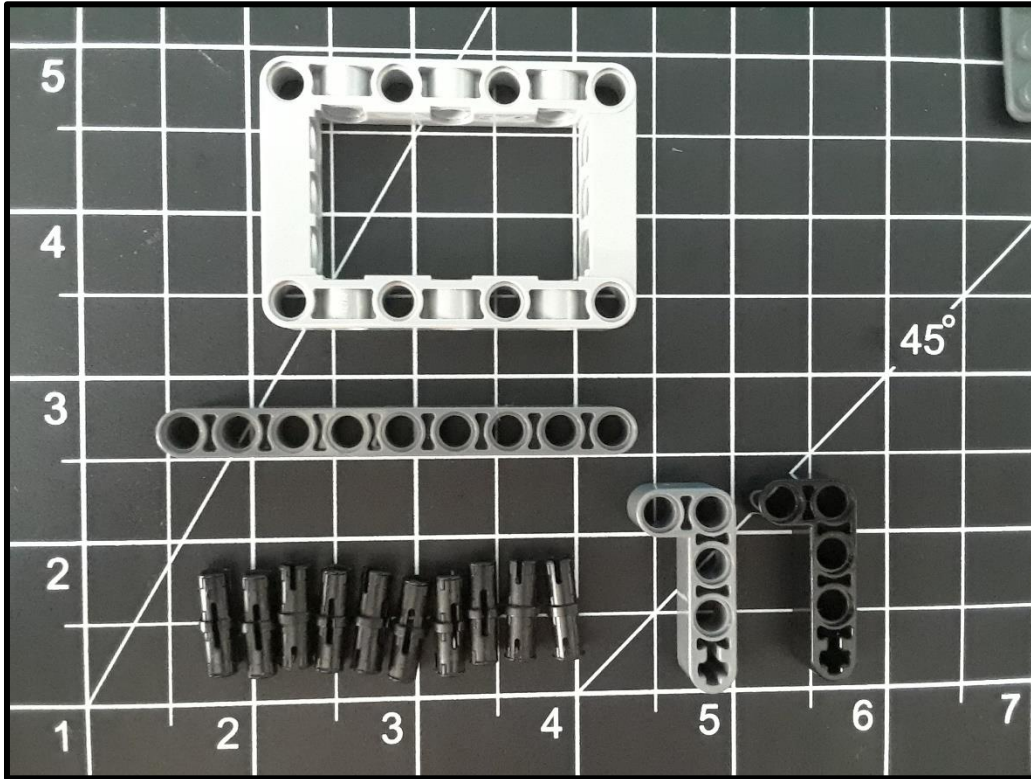
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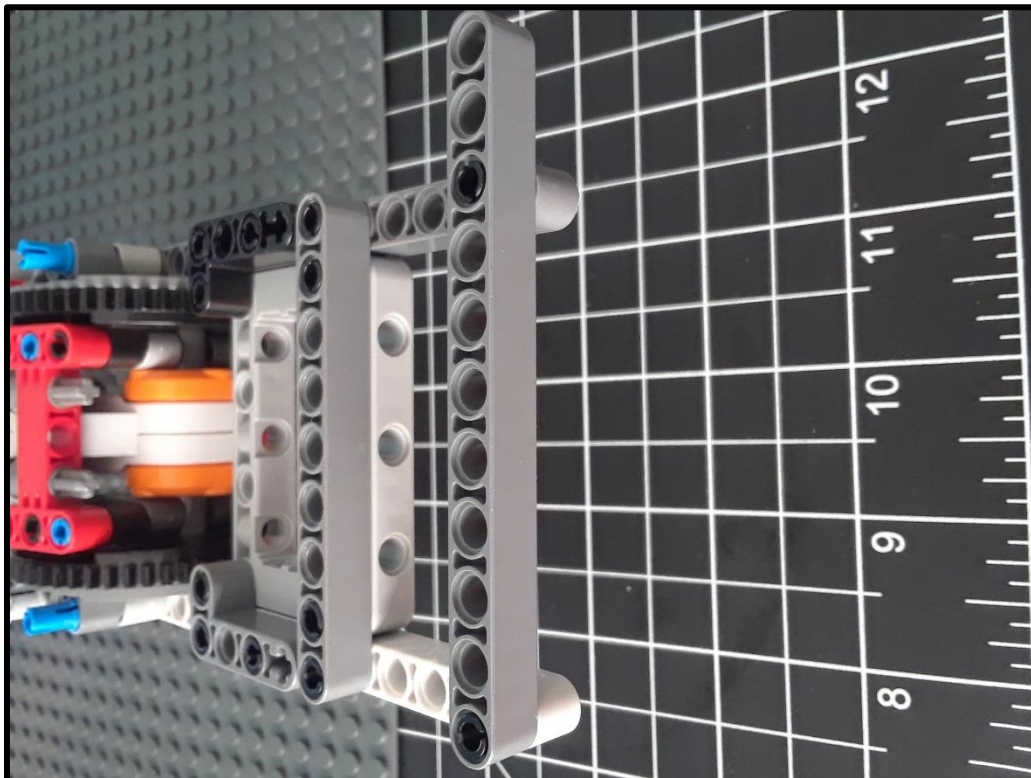
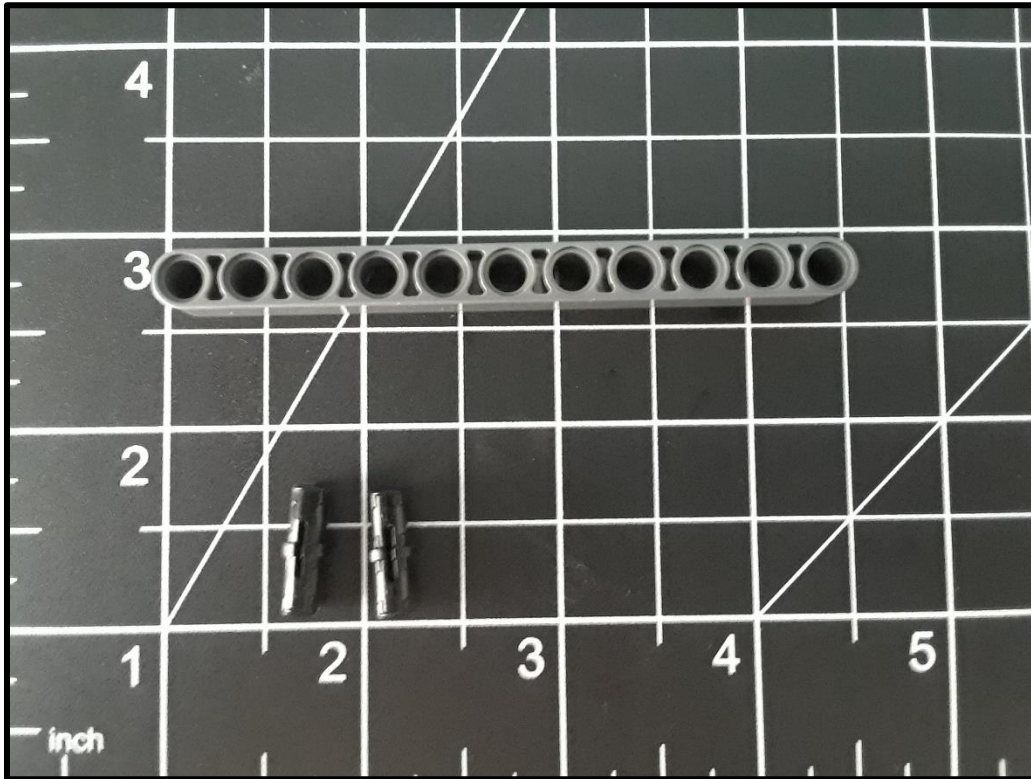
# Step 16: (Two Times)



# Step 17:



# Step 18:



Step 19:

