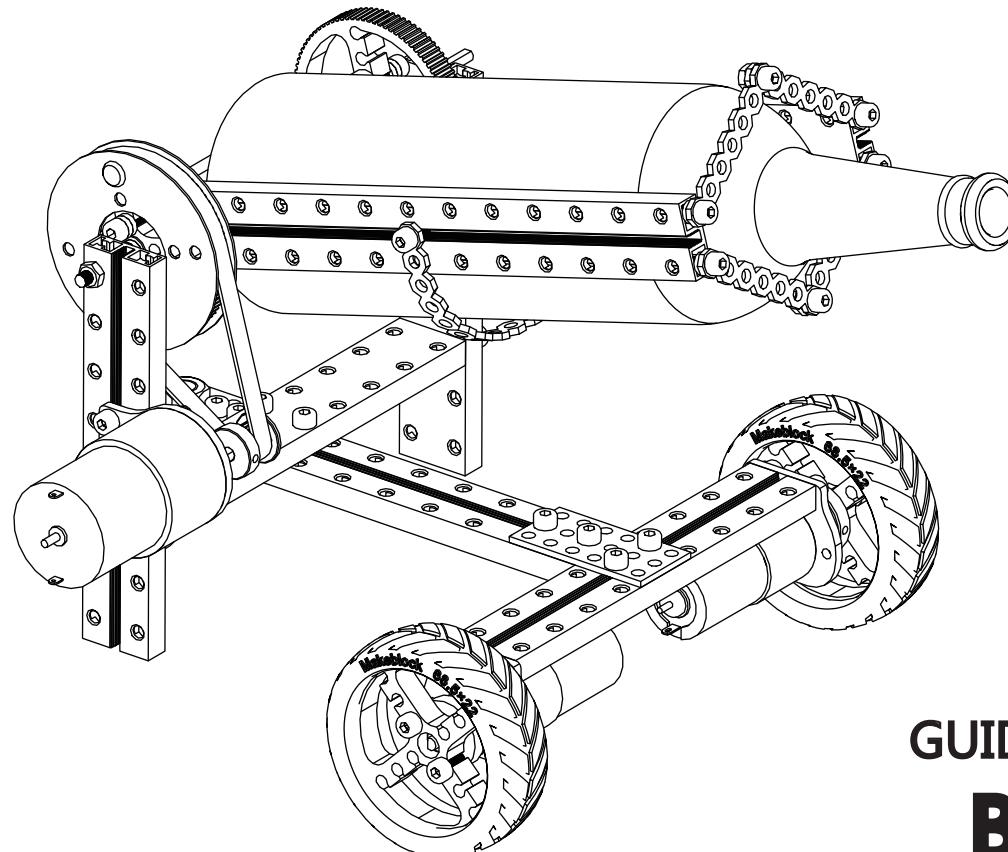


Makeblock

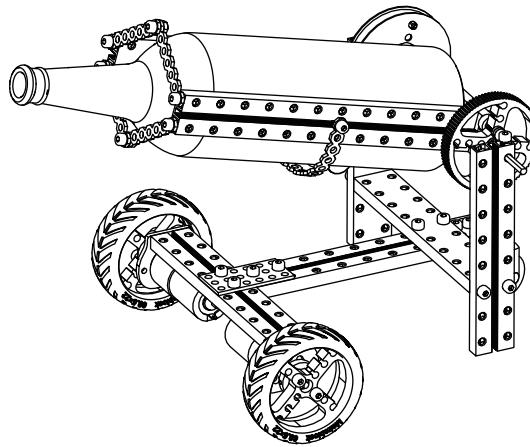
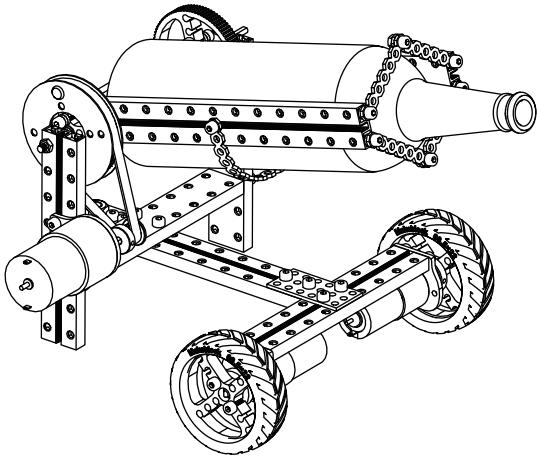
CONSTRUCT YOUR DREAMS



Suitable for use

- Advanced kit
- Ultimate kit
- Lab kit

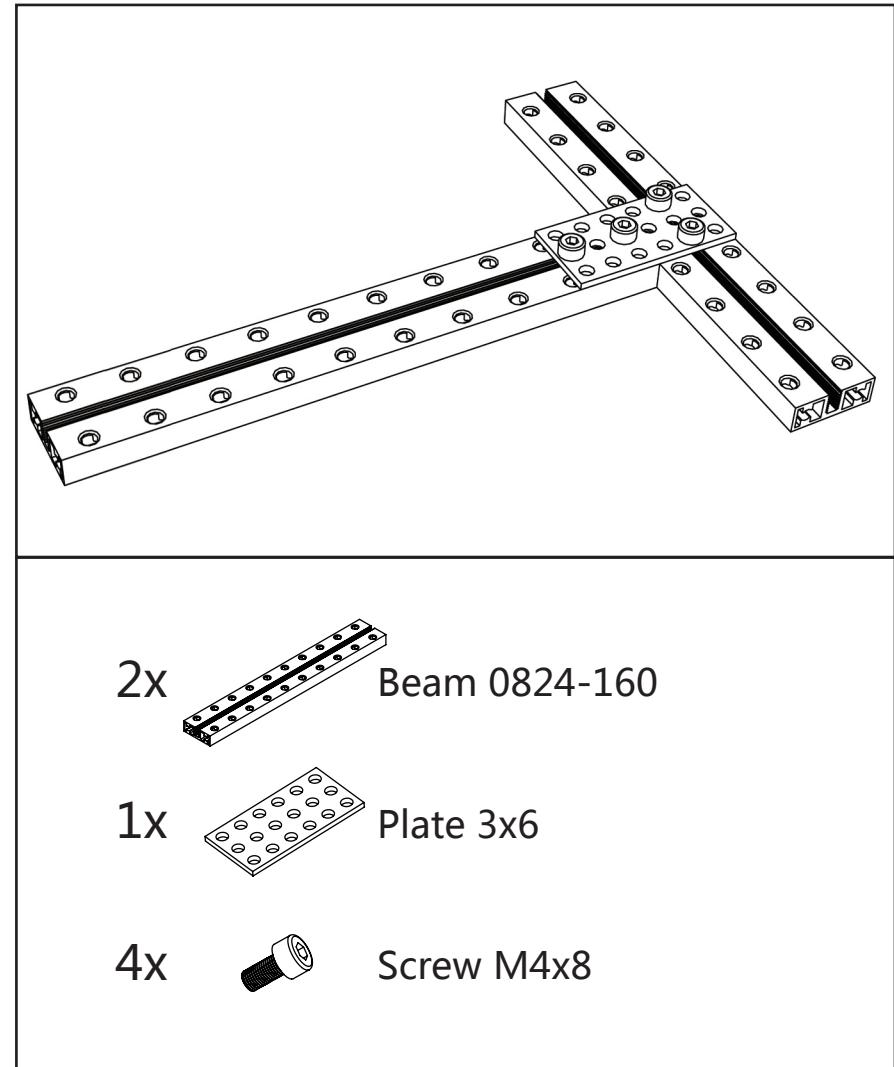
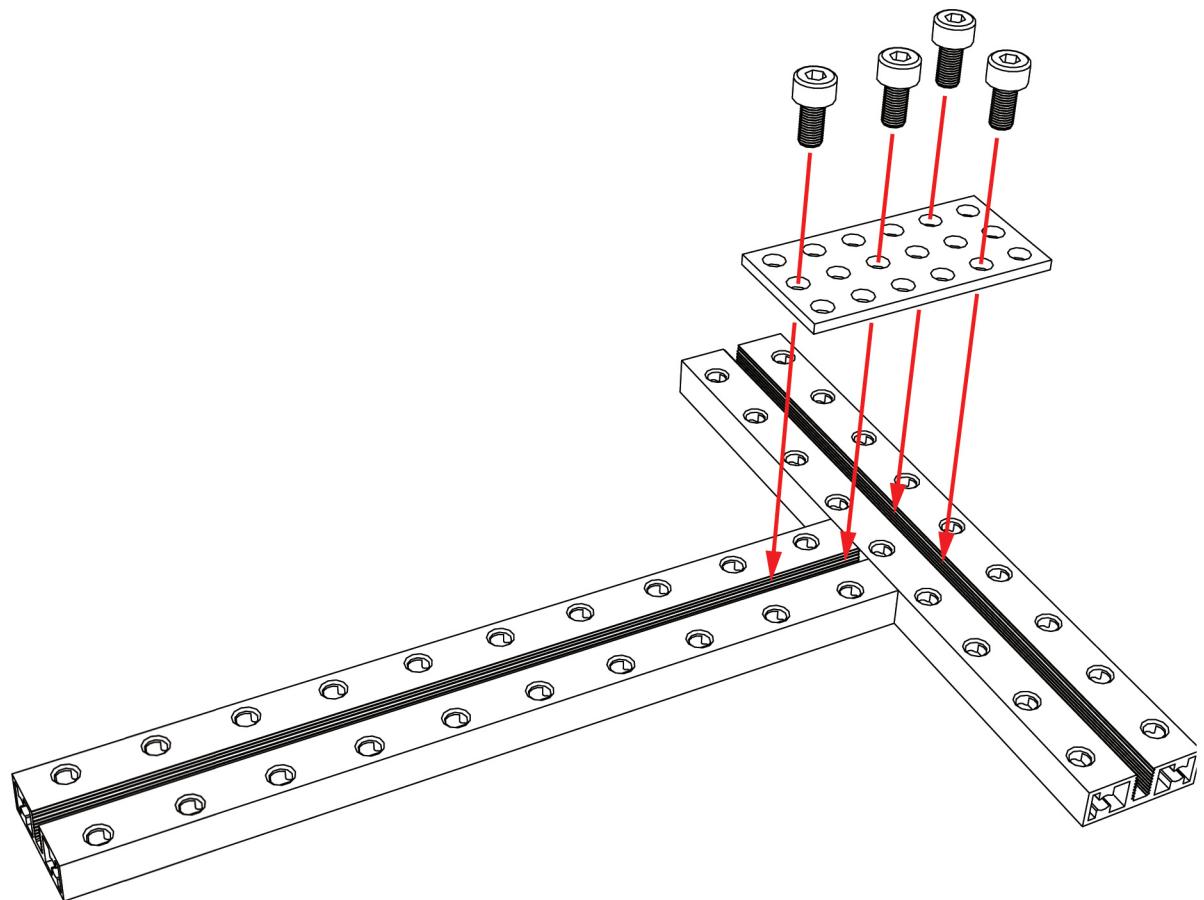
GUIDE FOR BUILDING THE
BEER ROBOT



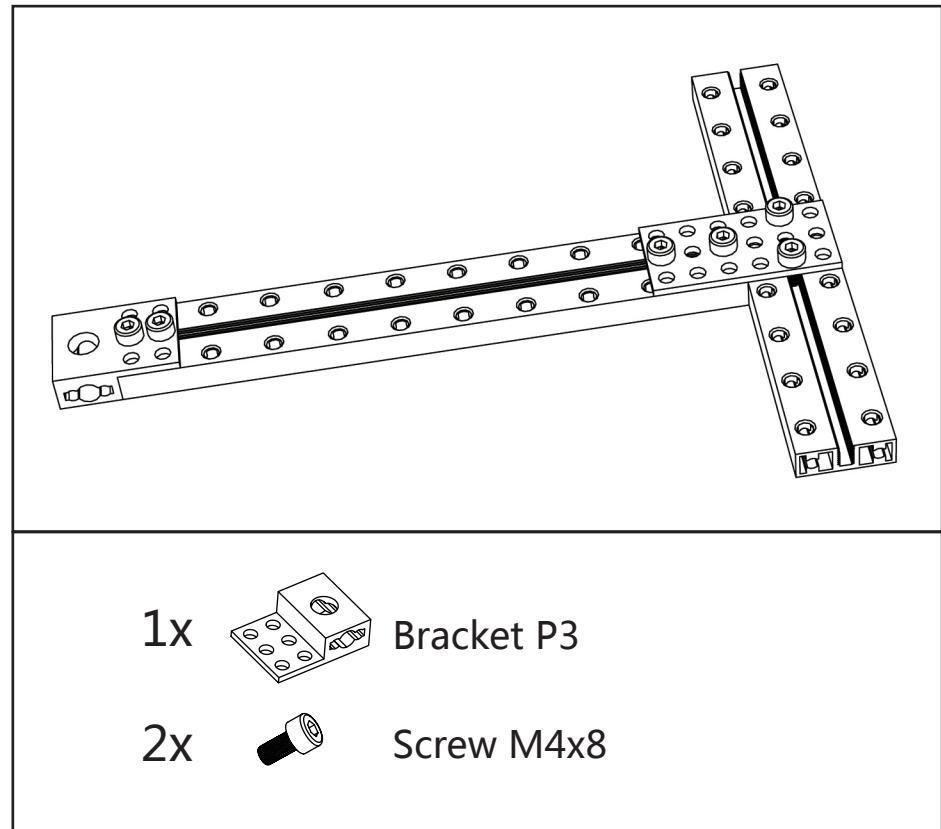
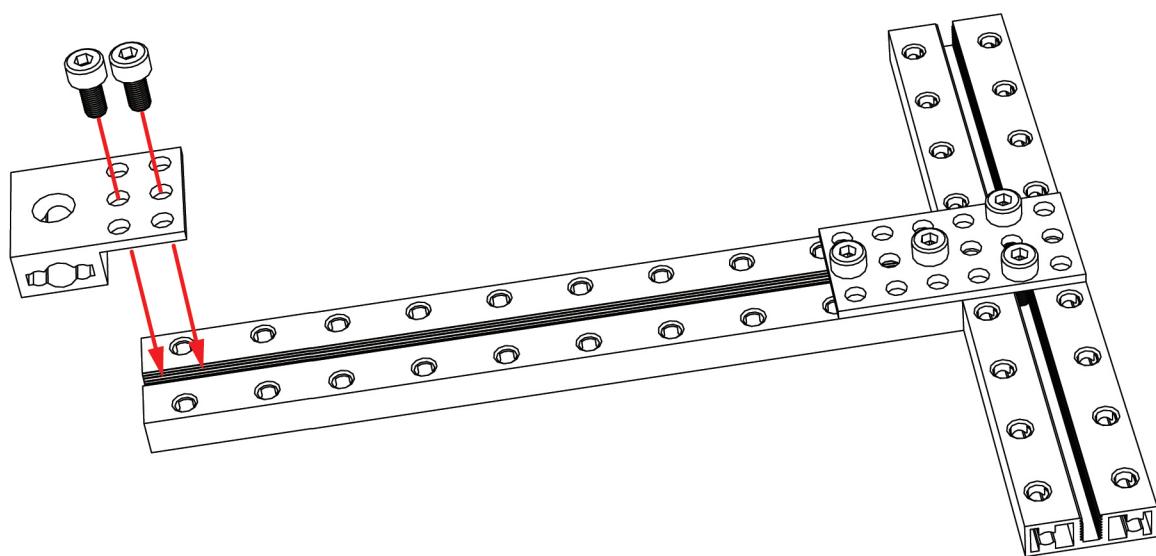
Part list

| | | | | | | | | |
|----|--|-------------------|----|--|-------------------------|-----|--|------------------------|
| 2x | | Beam 0824-192 | 2x | | Timing Pulley Slice 90T | 2x | | Shaft Connector-4 |
| 1x | | Beam 0824-160 | 2x | | DC Motor-25 Bracket | 4x | | Shaft Collar 4mm |
| 2x | | Beam 0824-144 | 1x | | DC Motor-37 Bracket | 1x | | Threaded Shaft 4x31mm |
| 2x | | Beam 0824-128 | 2x | | DC Motor-25 | 3x | | Flange Bearing 4x8x3mm |
| 1x | | Beam 0824-96 | 1x | | DC Motor-37 | 3x | | Nut M4 |
| 3x | | Link Rod | 1x | | Caster Wheel | 19x | | Screw M4x8 |
| 1x | | Plate 3x6 | 1x | | Nut M8 | 14x | | Screw M4X14 |
| 1x | | Bracket P3 | 2x | | Tyre 68.5x22mm | 4x | | Screw M4x22 |
| 4x | | Timing Pulley 90T | 1x | | Timing Belt 123T | 6x | | Countersunk Screw M3x8 |
| 1x | | Timing Pulley 18T | 1x | | D Shaft 4x50 | 2x | | Headless Screw M3×5 |
| | | | | | | 2x | | Plastic Rivet R4120 |
| | | | | | | 15x | | Plastic Ring 4x7x2 |

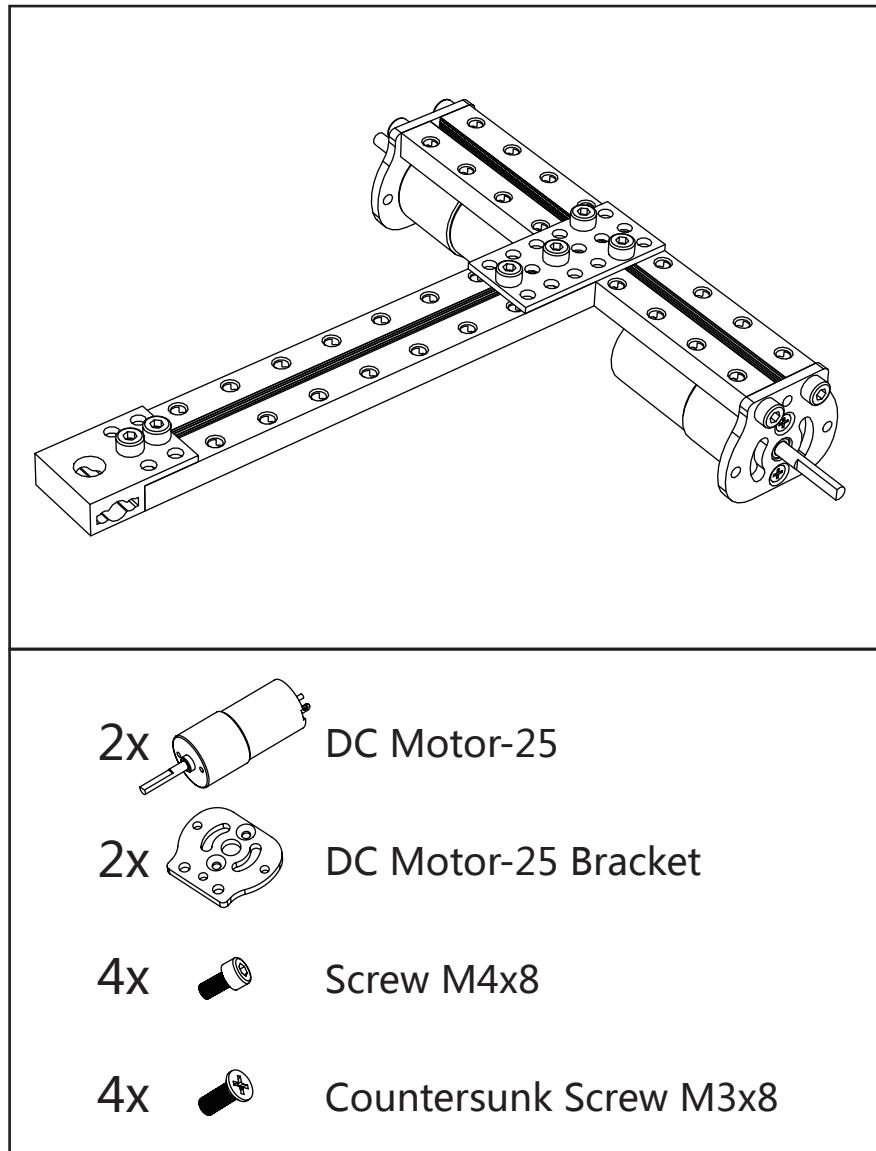
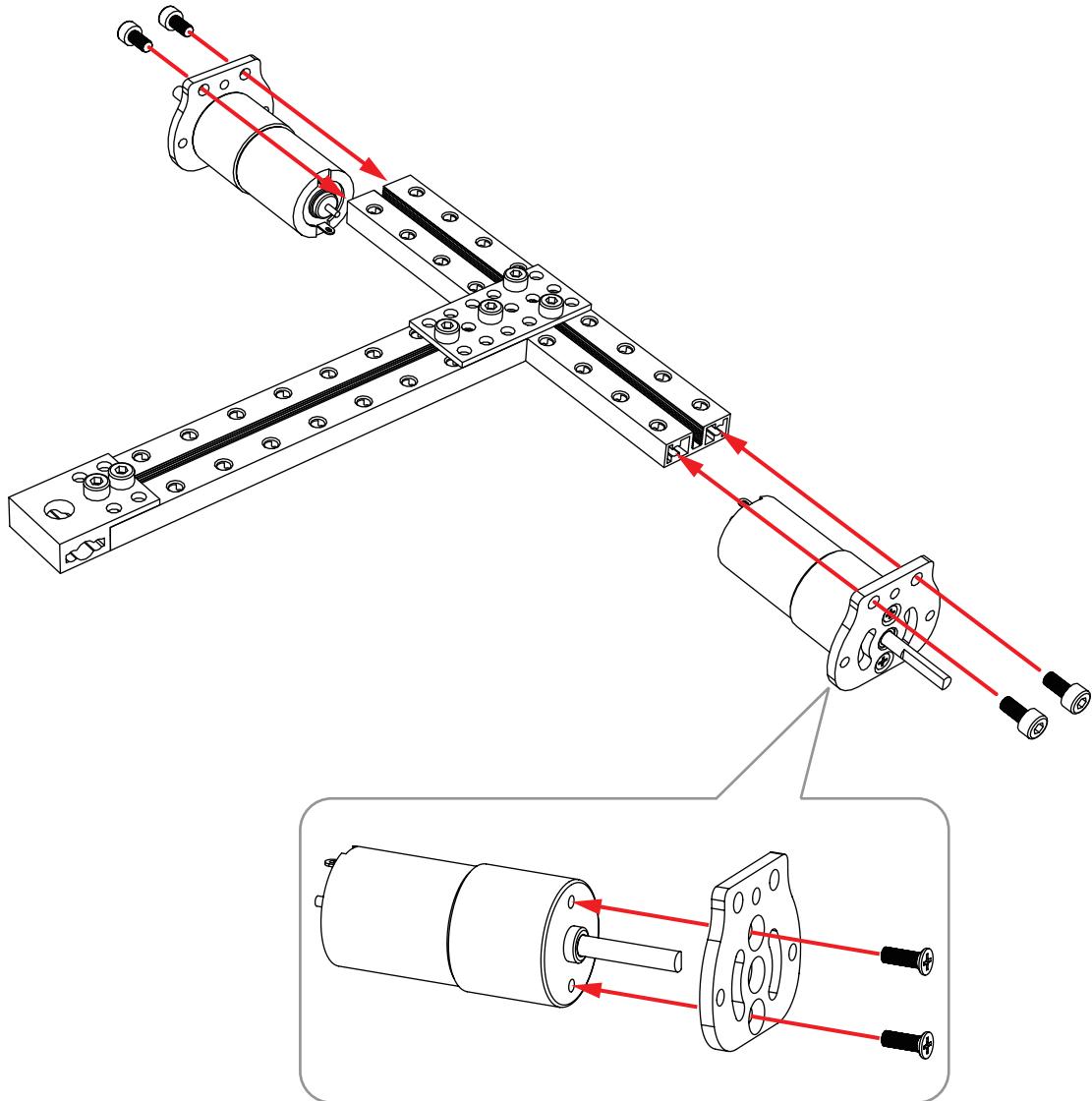
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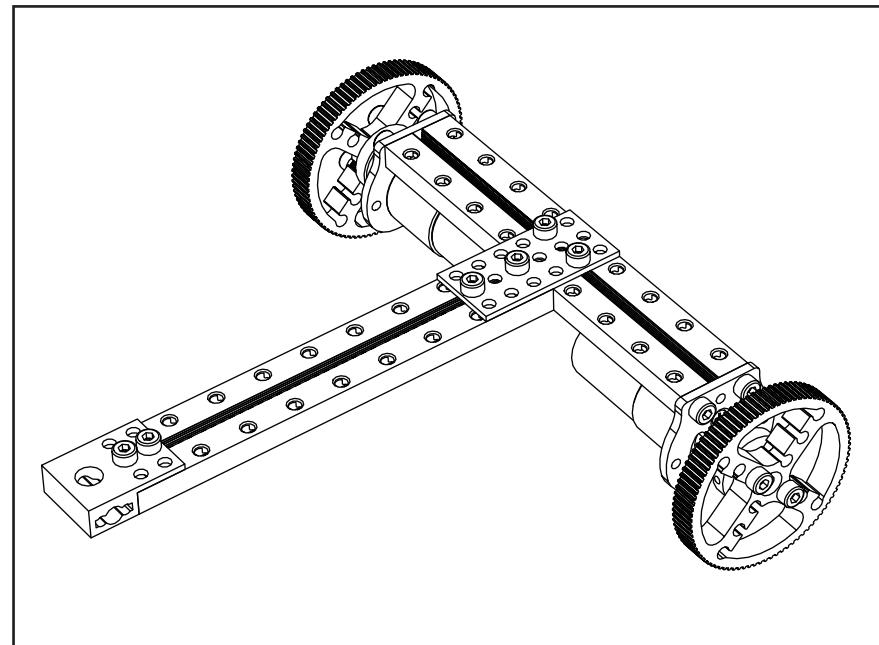
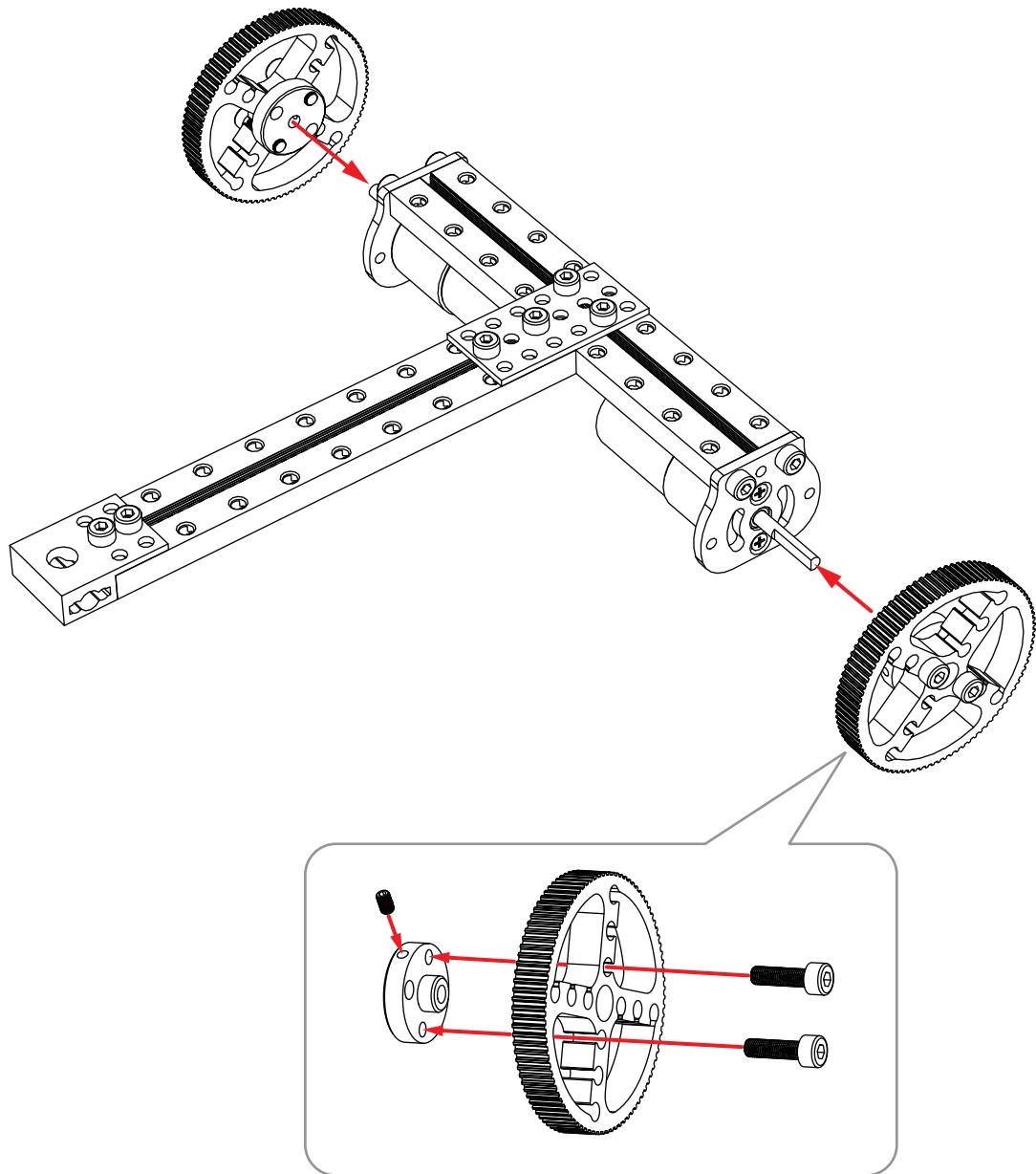
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3



4



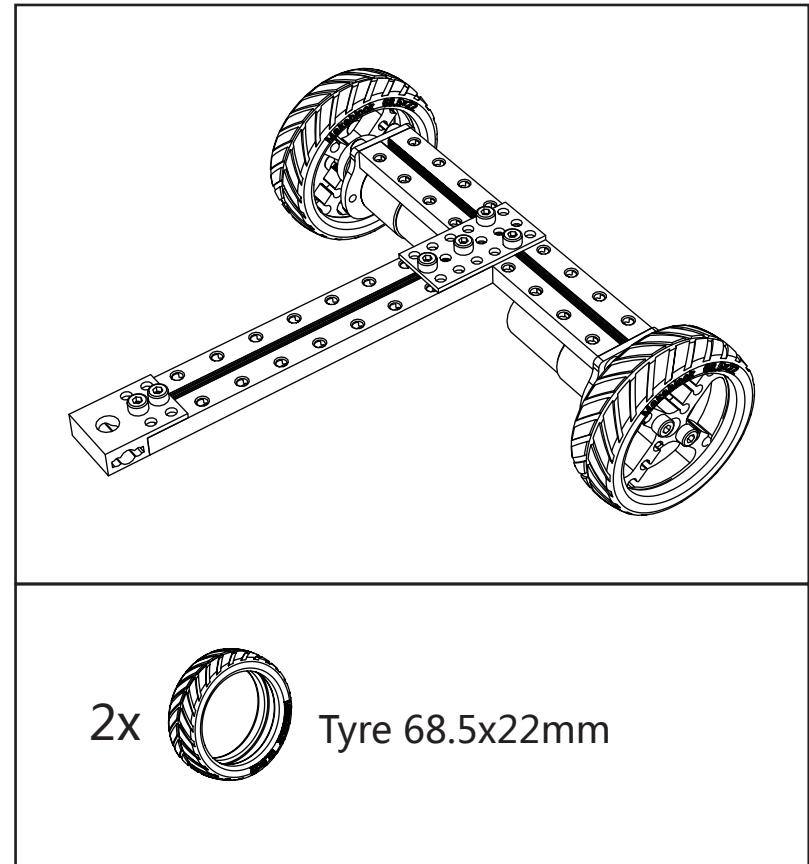
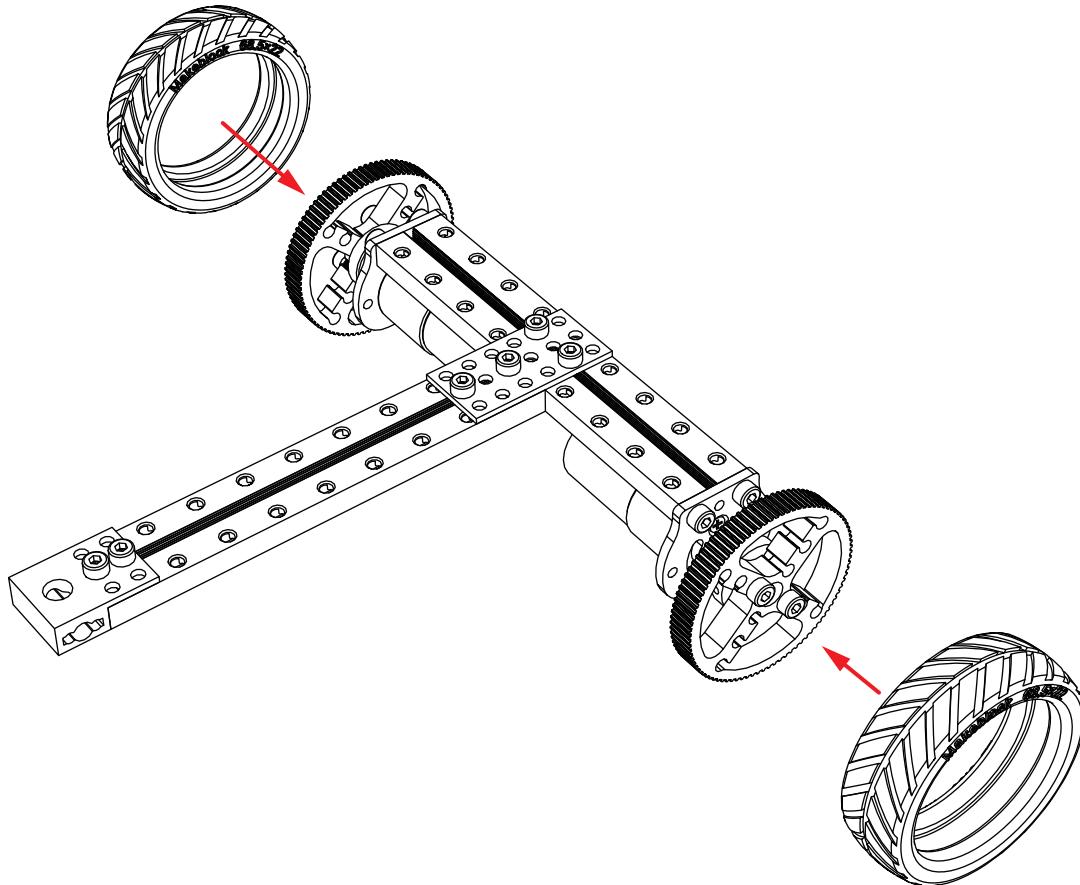
2x Timing Pulley 90T

2x Shaft Connector-4

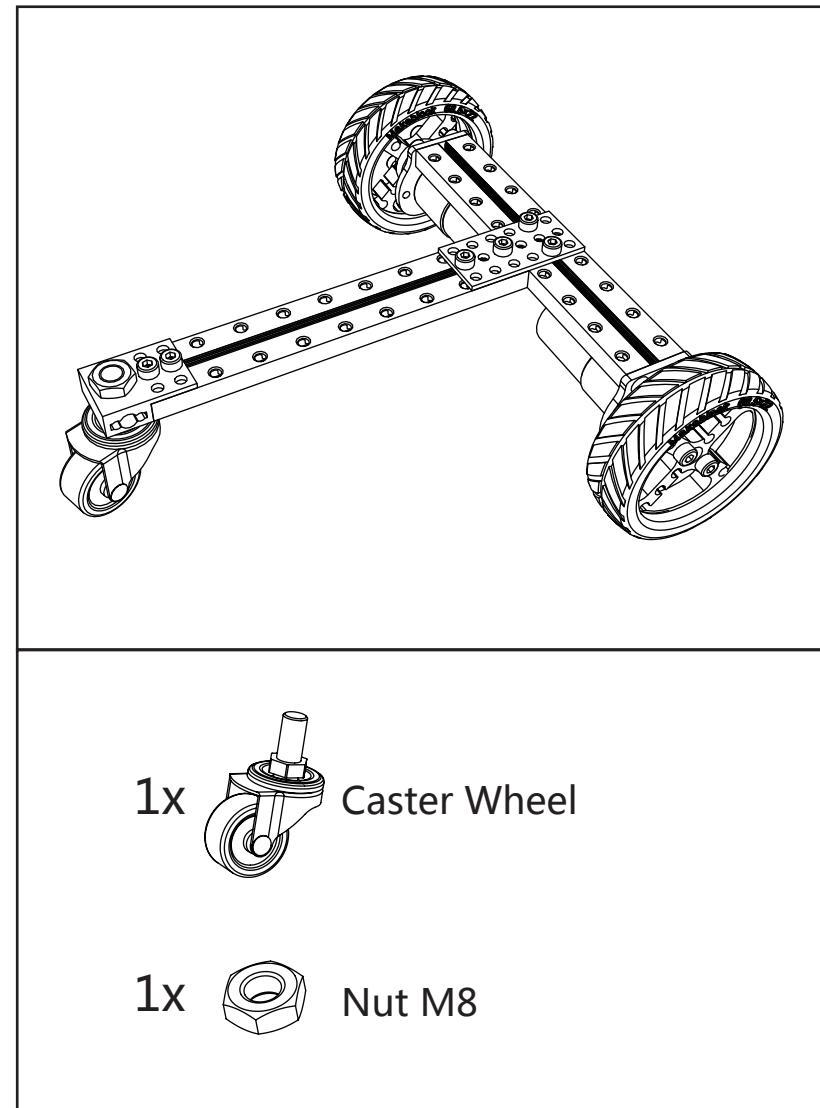
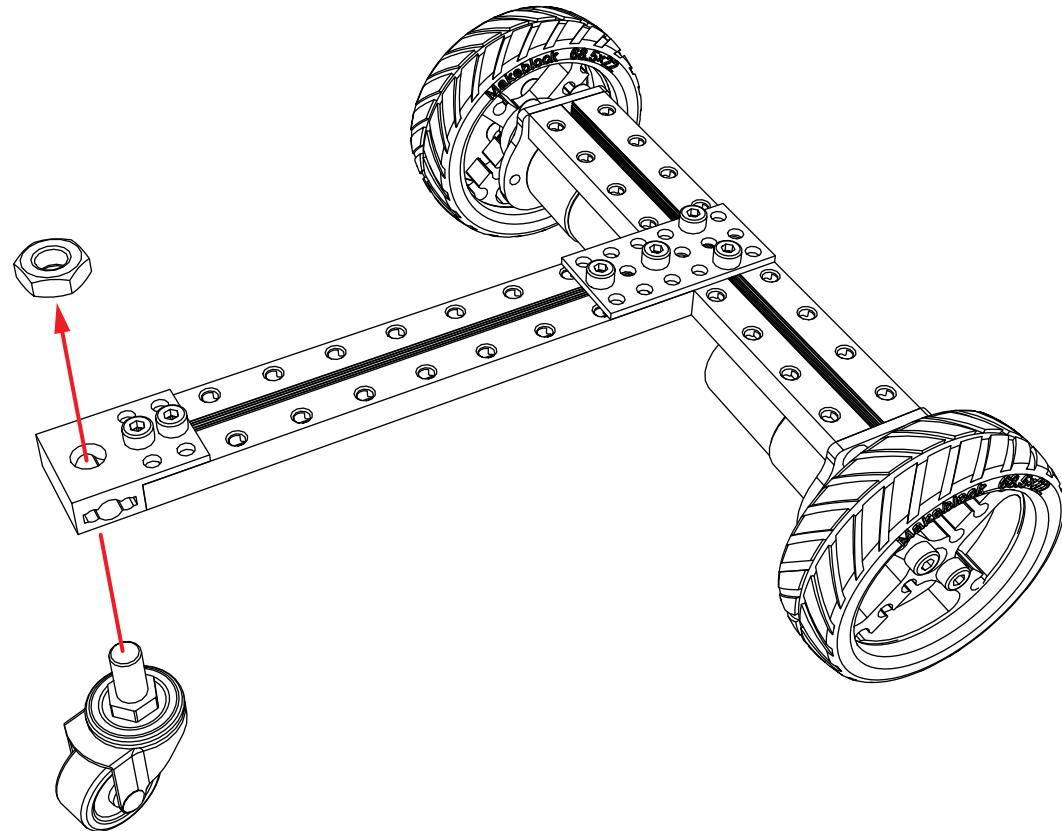
4x Screw M4X14

2x Headless Screw M3×5

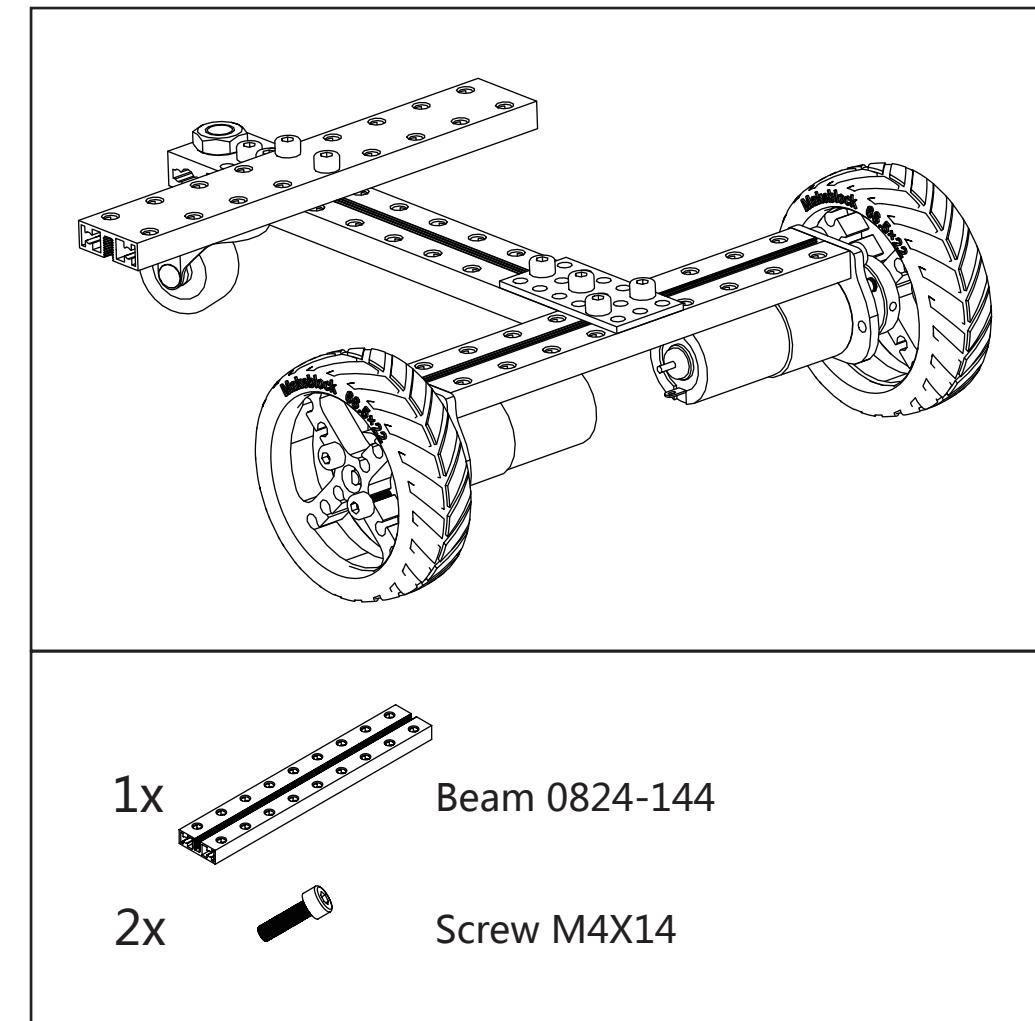
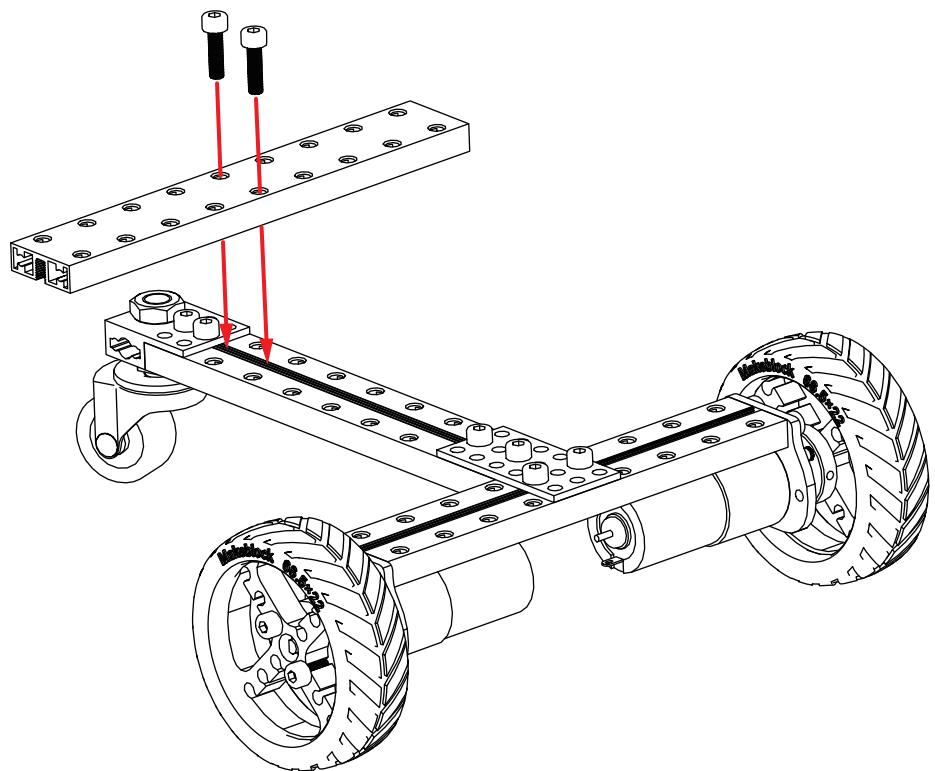
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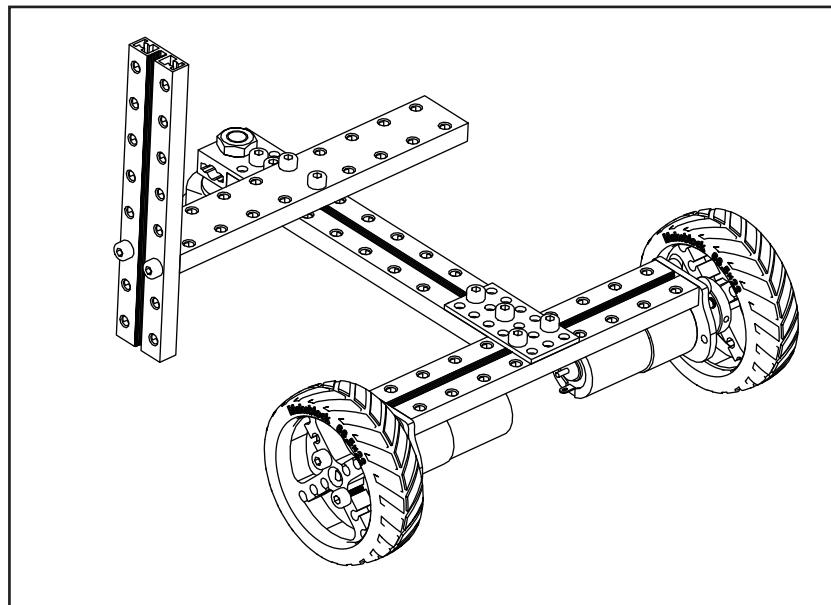
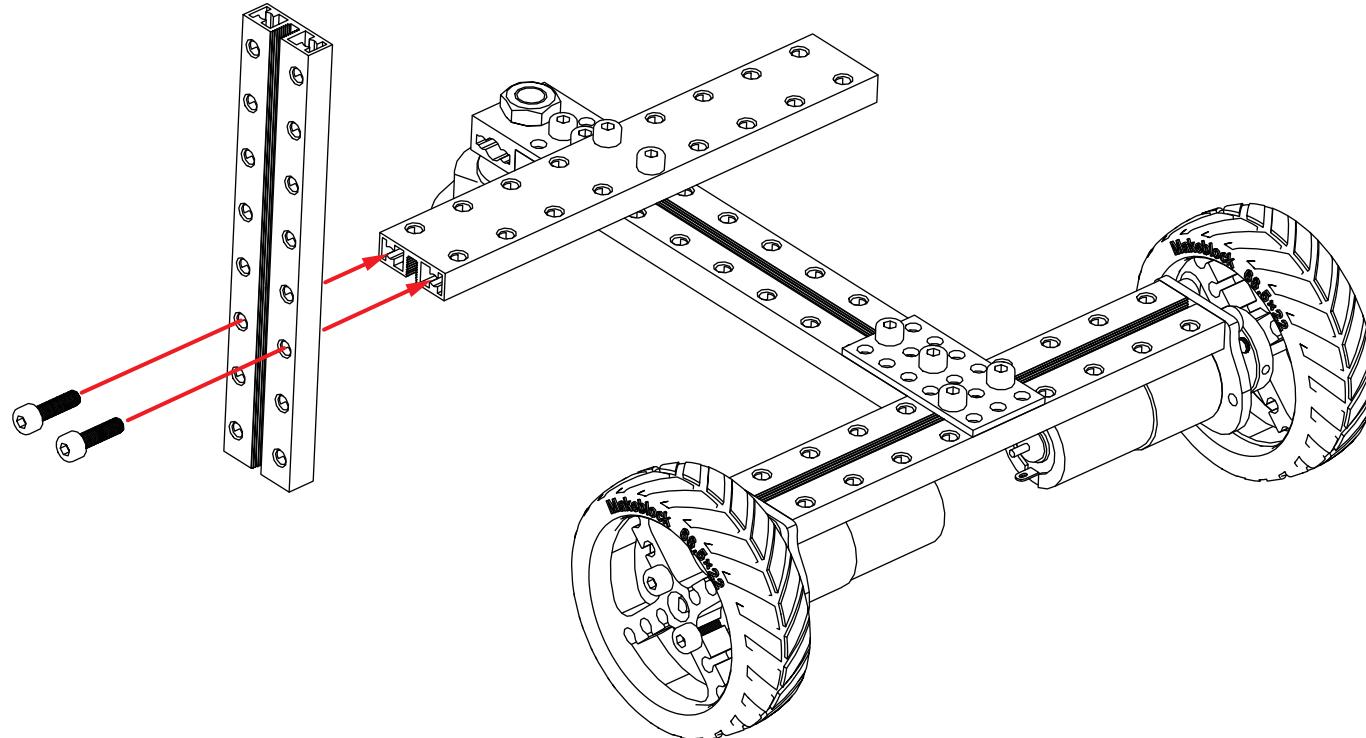
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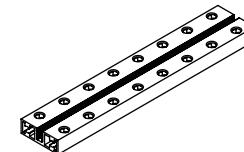
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8



1x



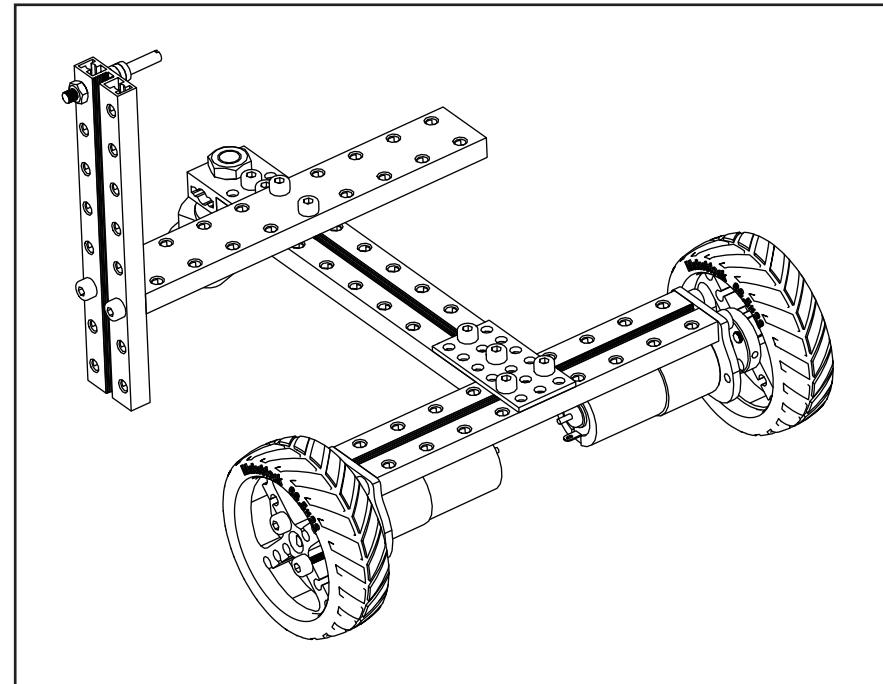
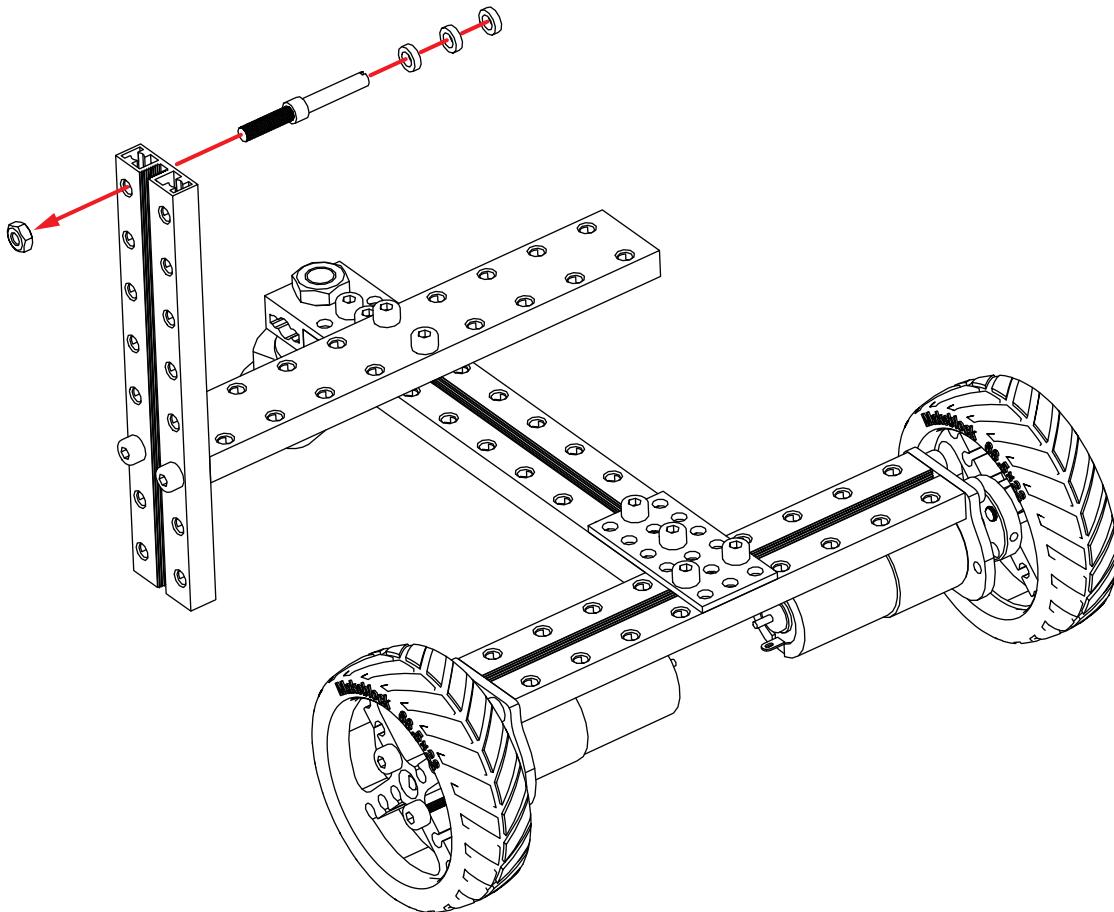
Beam 0824-128

2x



Screw M4X14

9

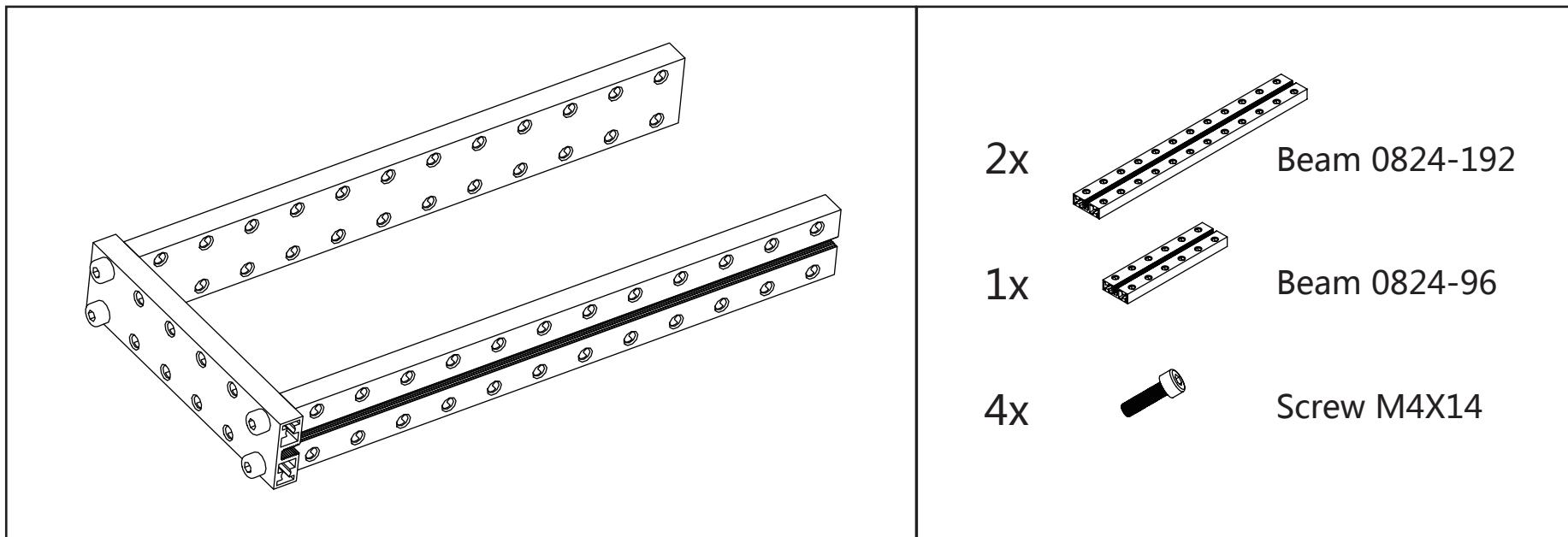
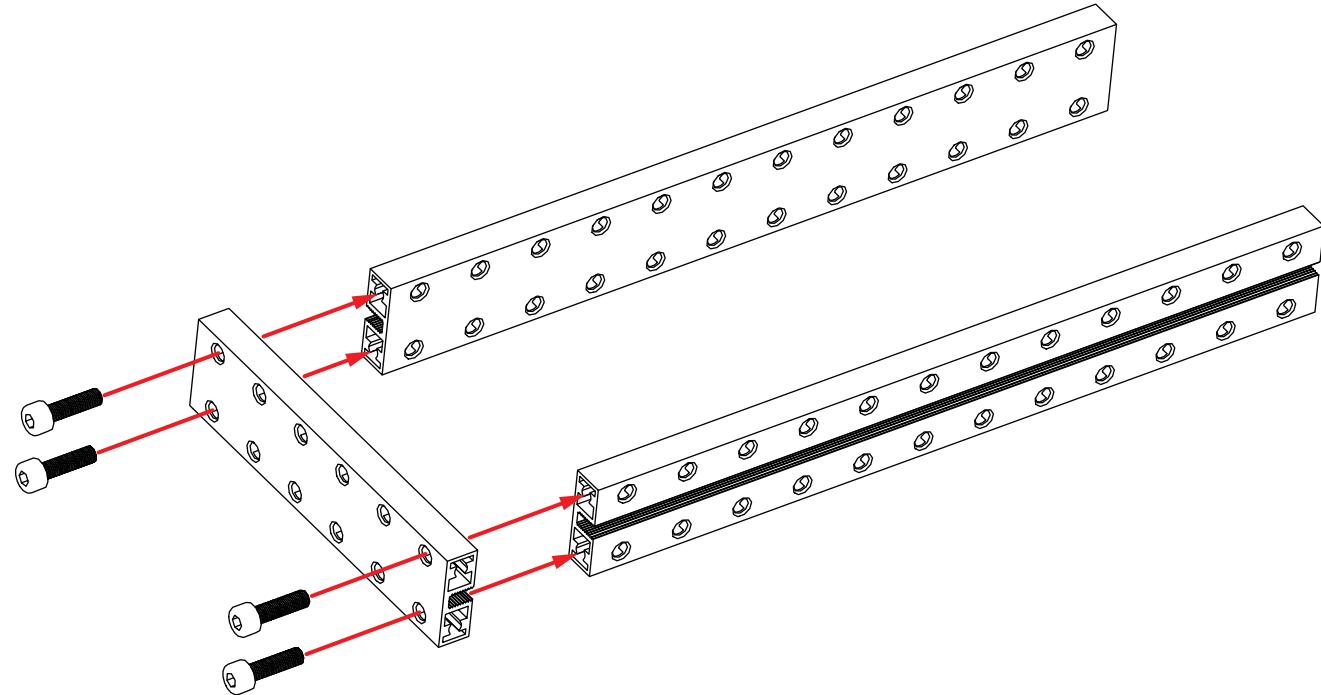


1x  Threaded Shaft 4x31mm

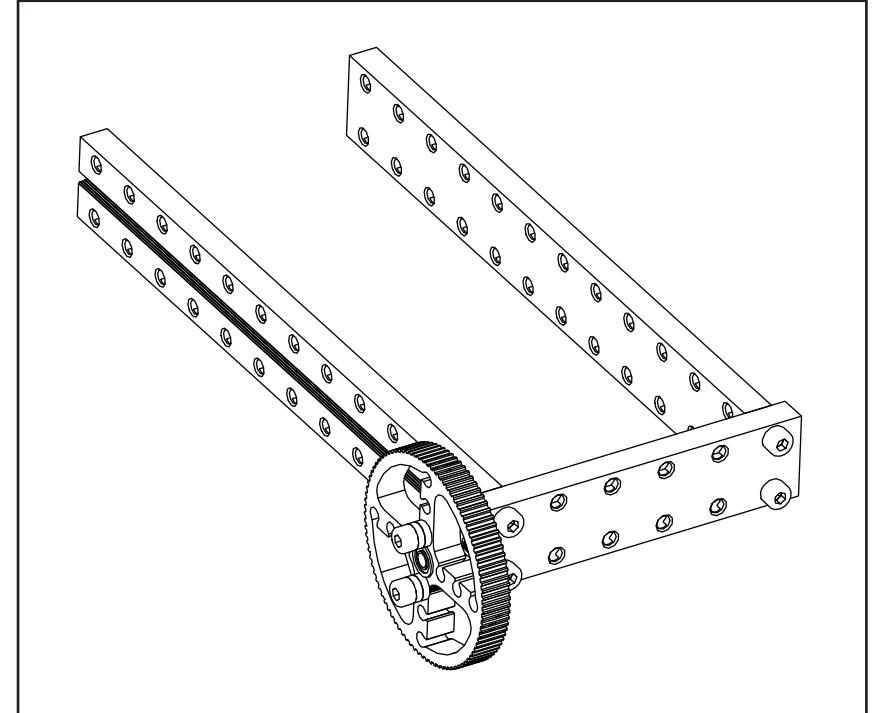
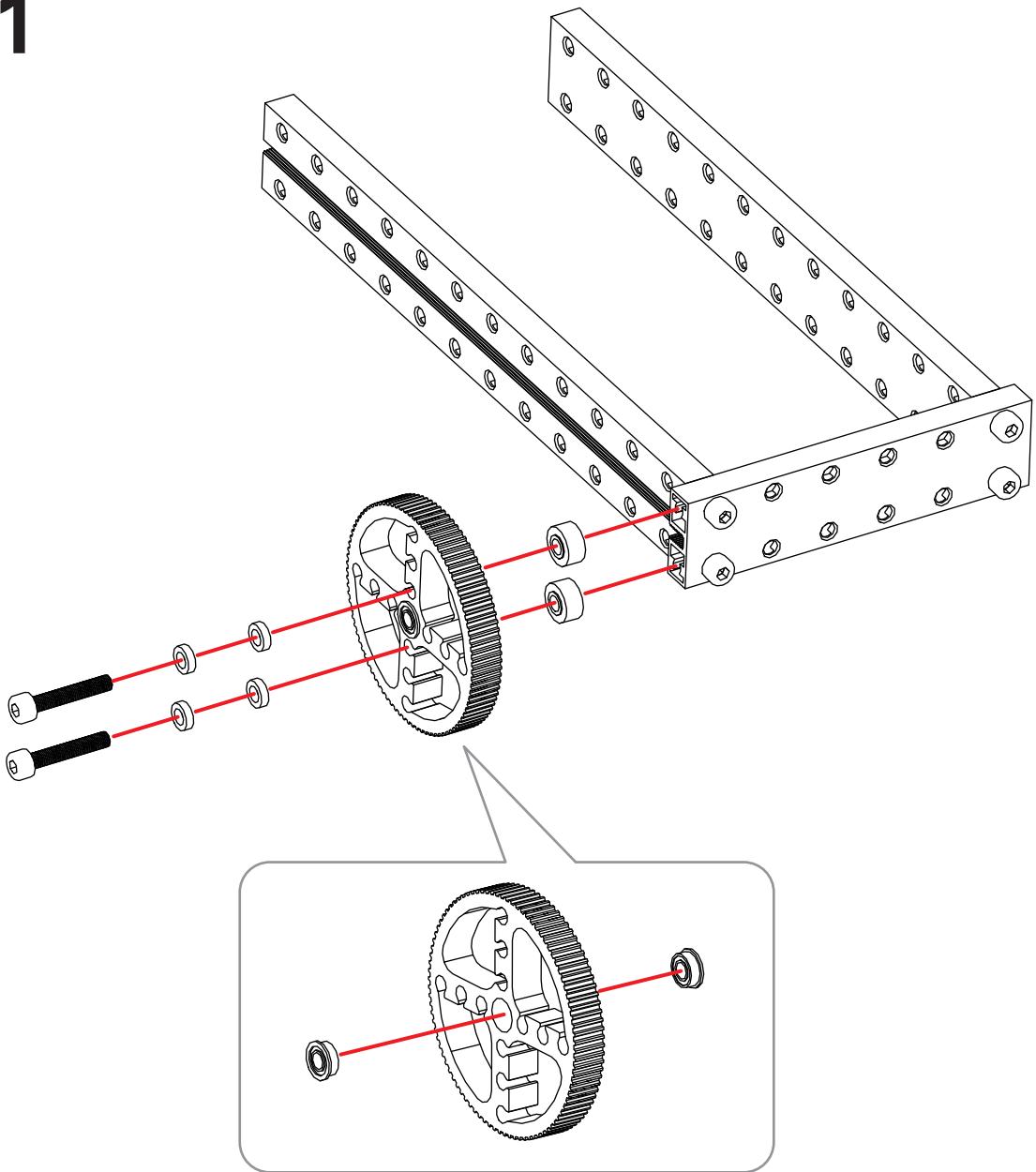
1x  Nut M4

3x  Plastic Ring 4x7x2

10



11



1x  Timing Pulley 90T

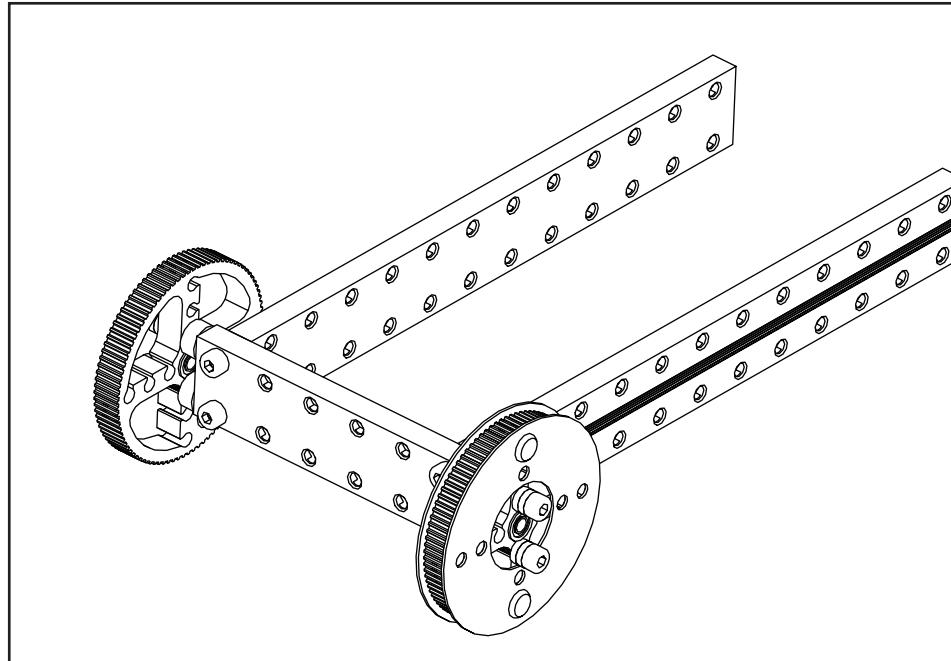
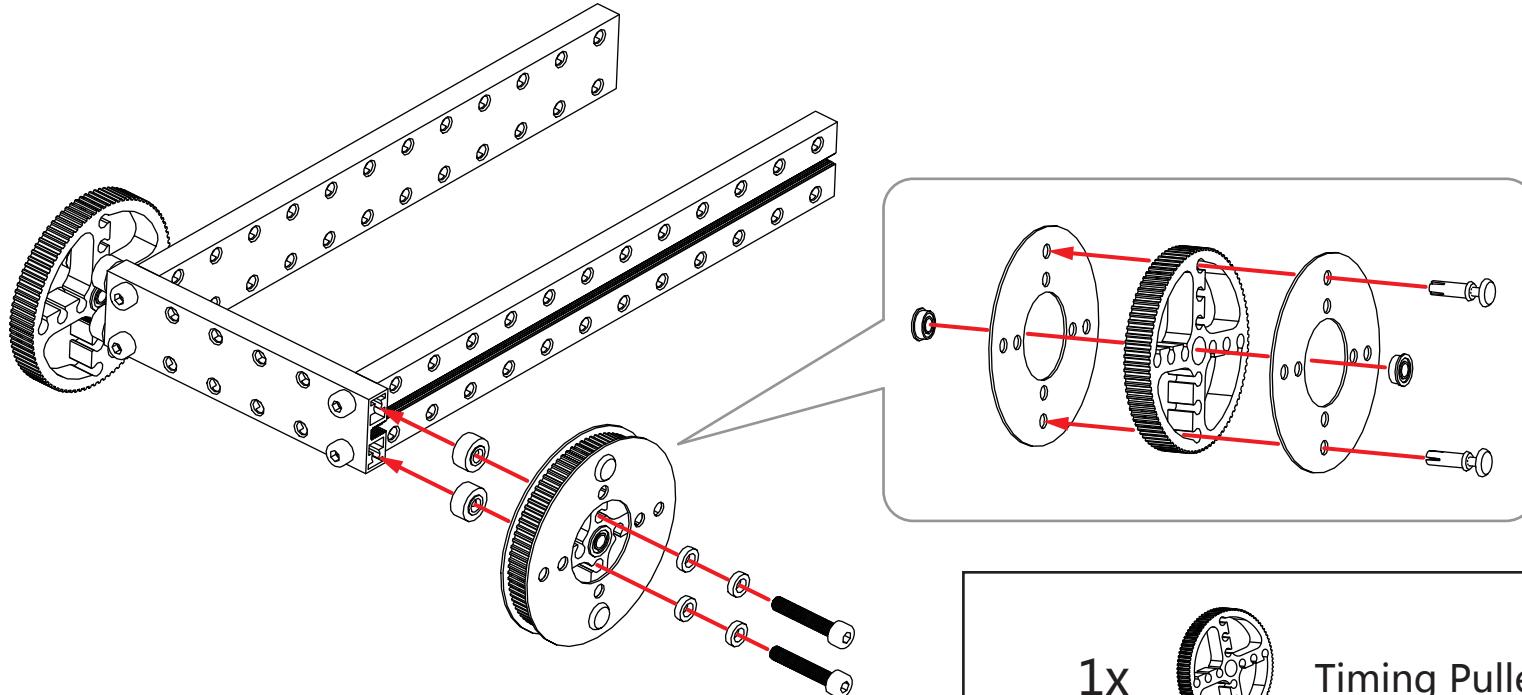
2x  Flange Bearing 4x8x3mm

2x  Screw M4x22

4x  Plastic Ring 4x7x2

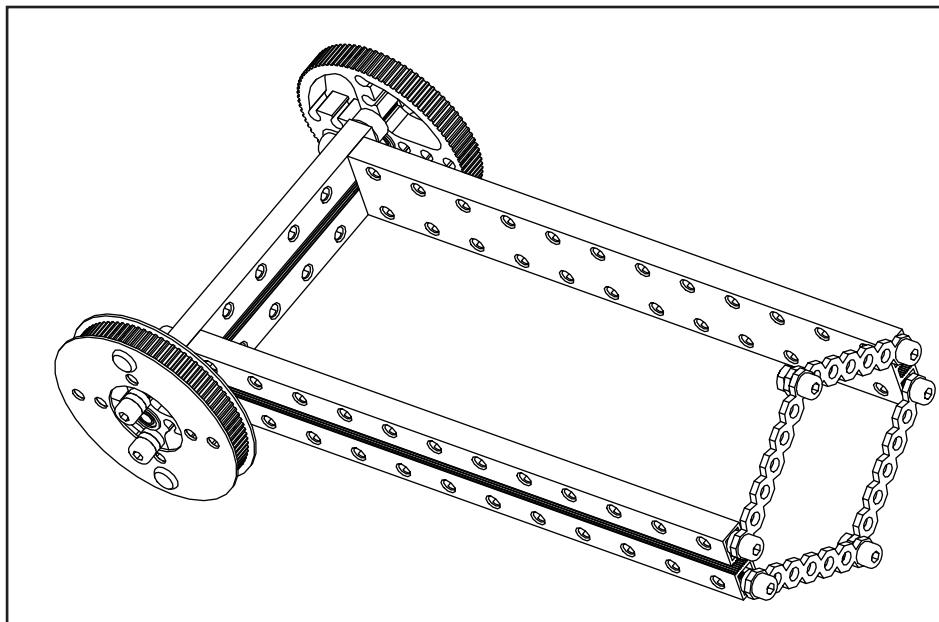
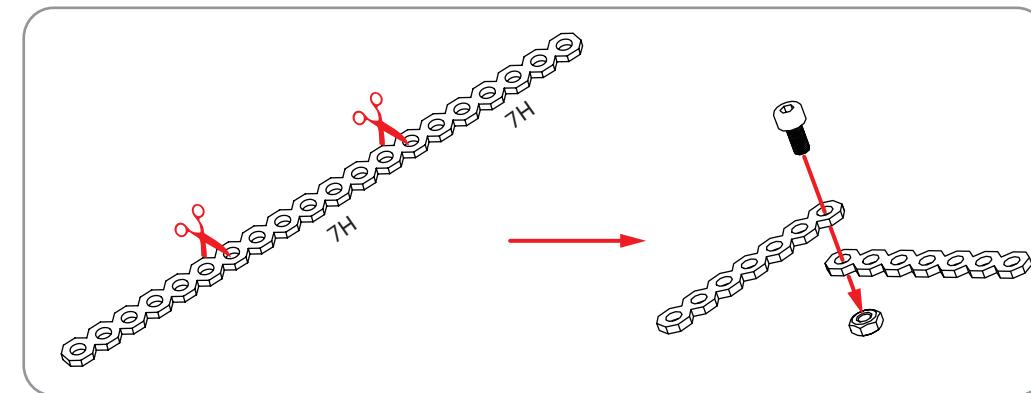
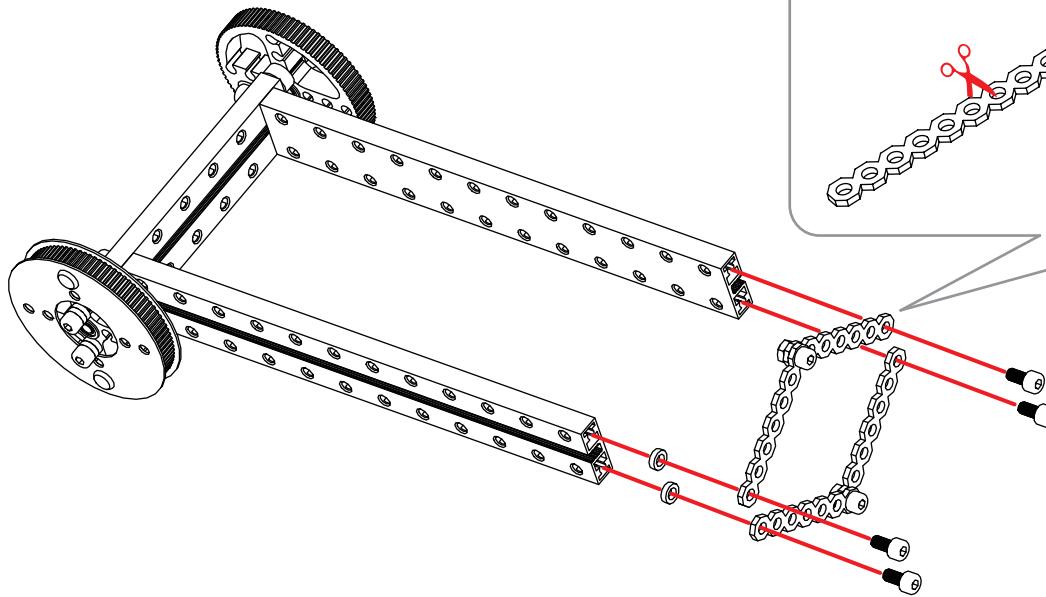
2x  Shaft Collar 4mm

12



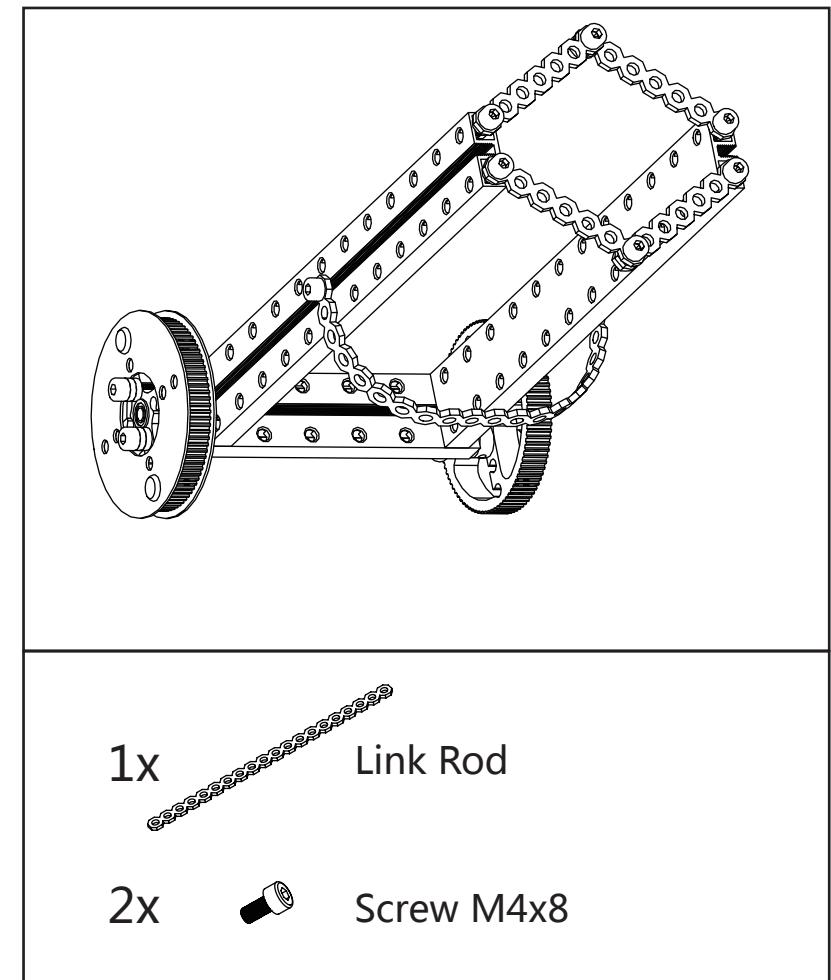
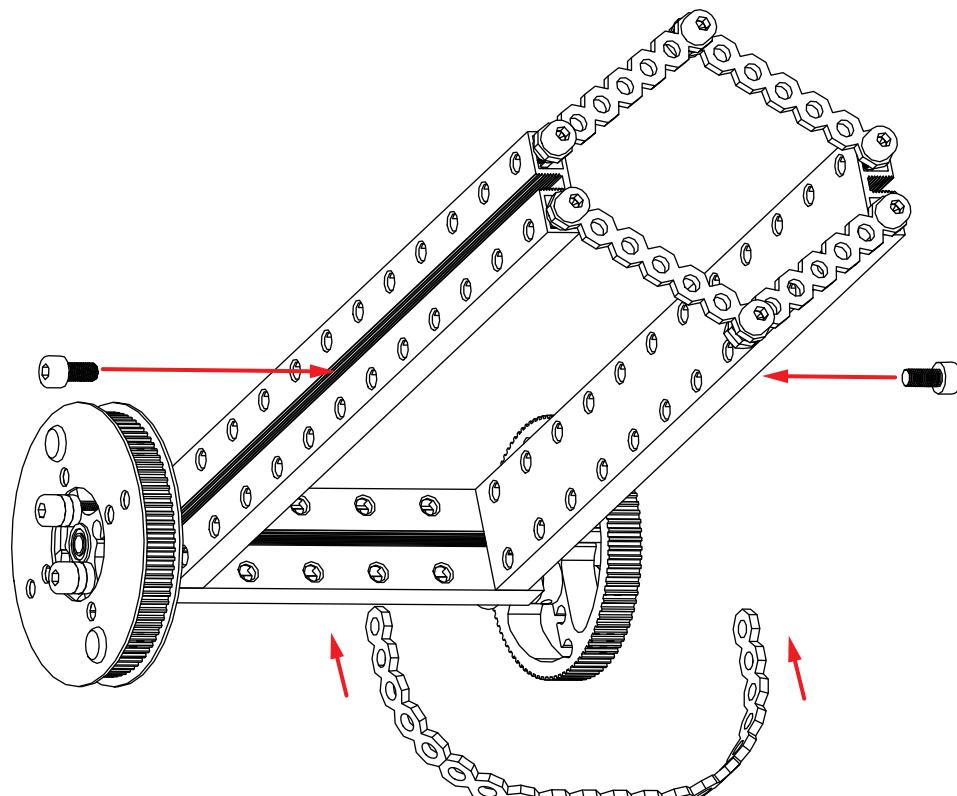
- | | | |
|----|--|-------------------------|
| 1x | | Timing Pulley 90T |
| 2x | | Timing Pulley Slice 90T |
| 2x | | Shaft Collar 4mm |
| 2x | | Flange Bearing 4x8x3mm |
| 2x | | Plastic Ring 4x7x2 |
| 2x | | Plastic Rivet R4120 |
| 4x | | Screw M4x22 |

13

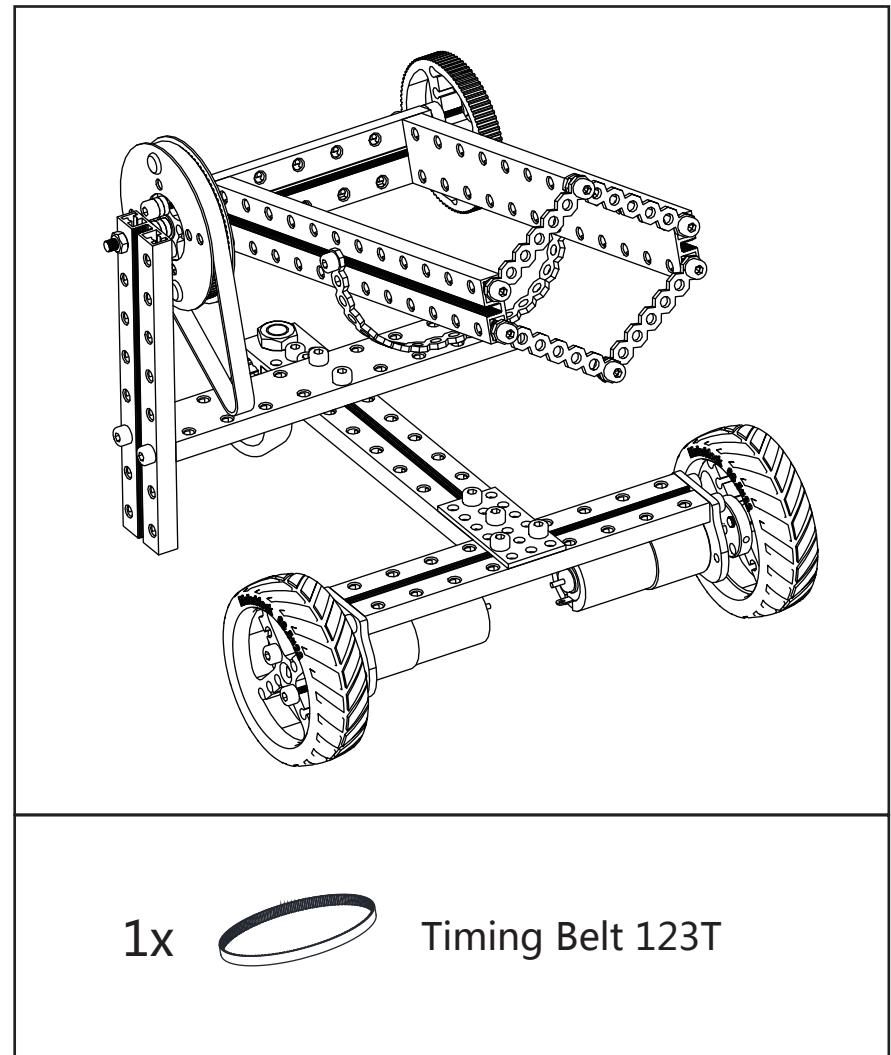
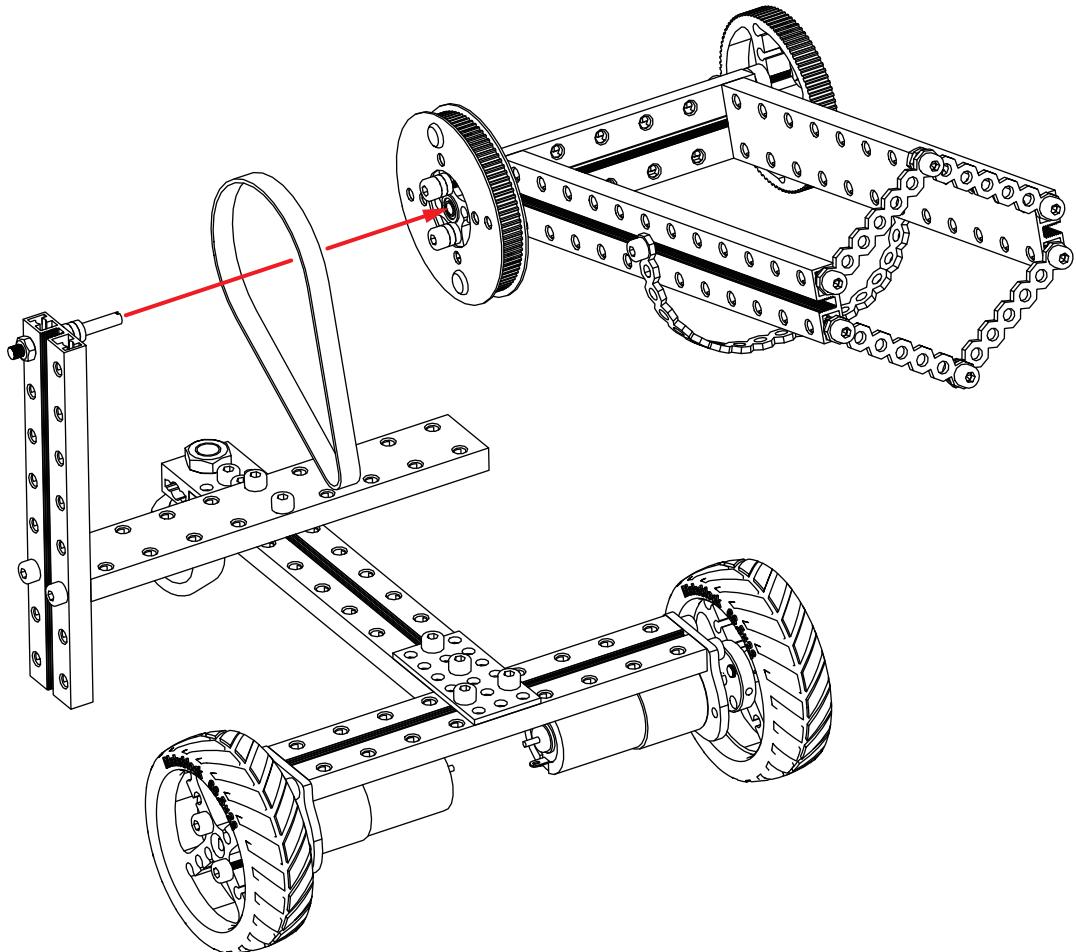


- | | |
|----|--------------------|
| 2x | Link Rod |
| 6x | Screw M4x8 |
| 2x | Nut M4 |
| 2x | Plastic Ring 4x7x2 |

14



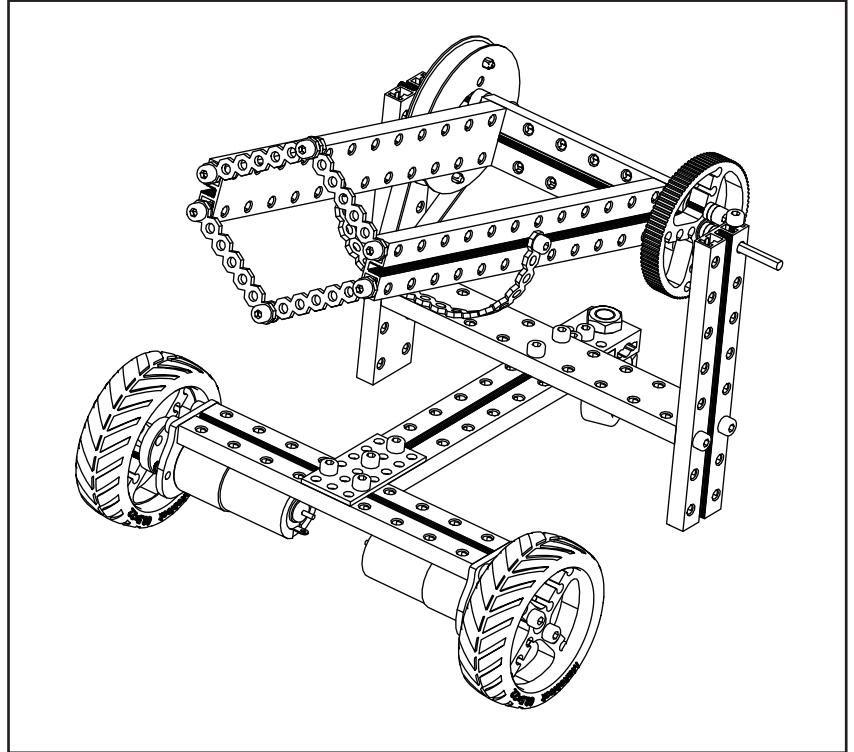
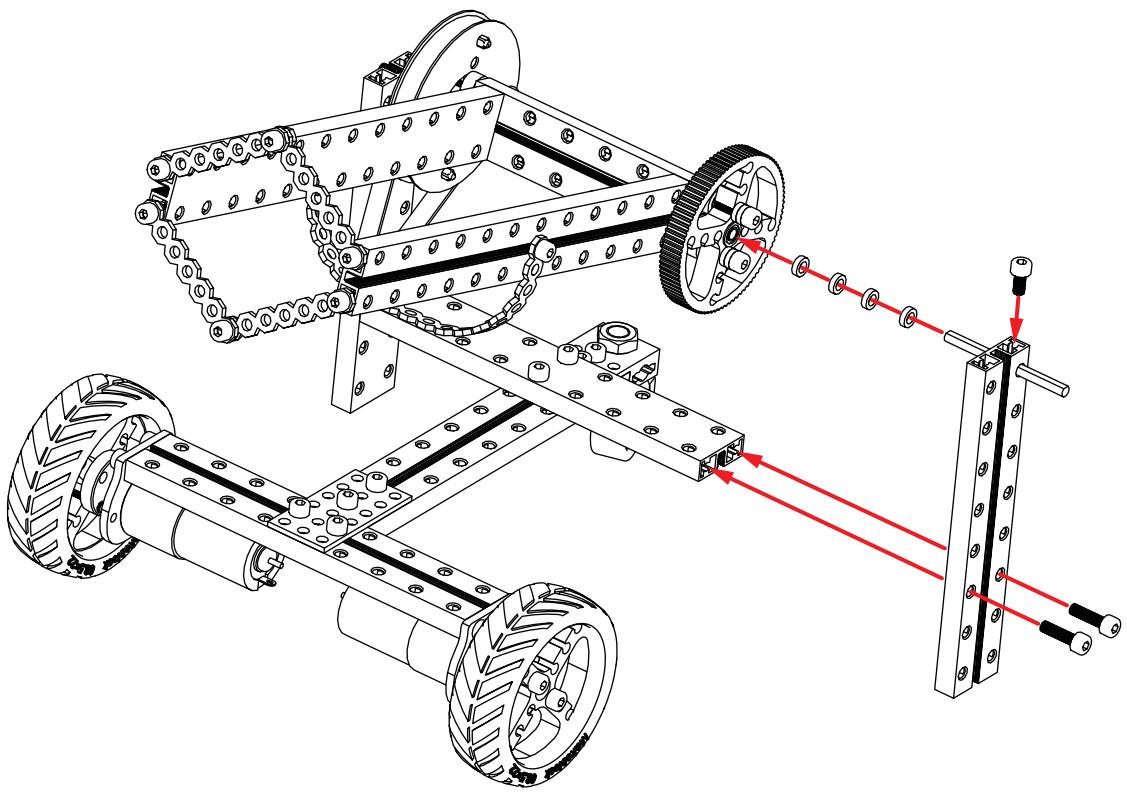
15



1x



Timing Belt 123T



1x Beam 0824-128

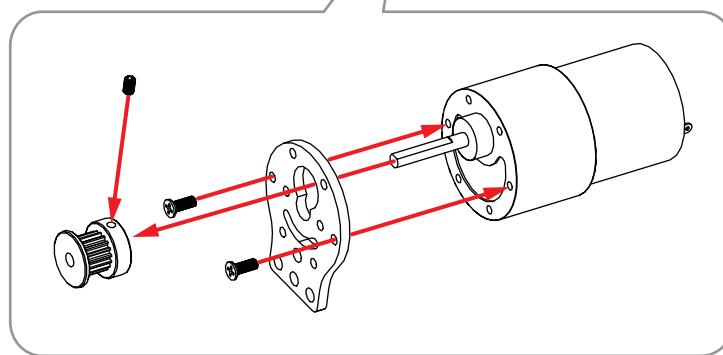
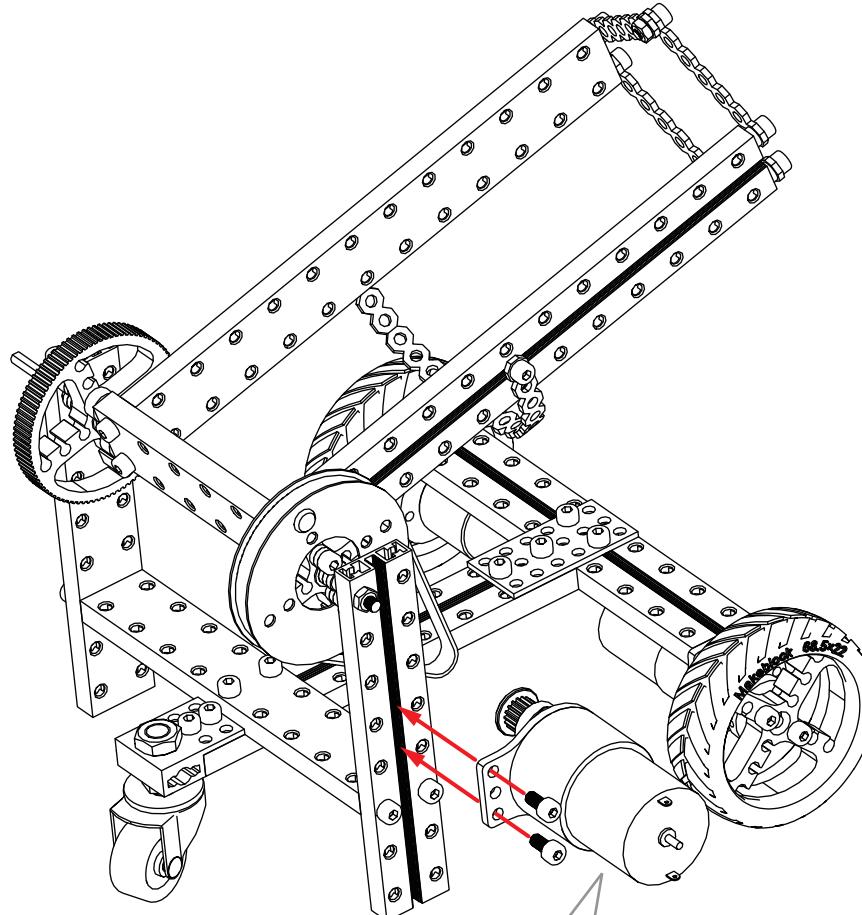
1x D Shaft 4x50mm

4x Plastic Ring 4x7x2

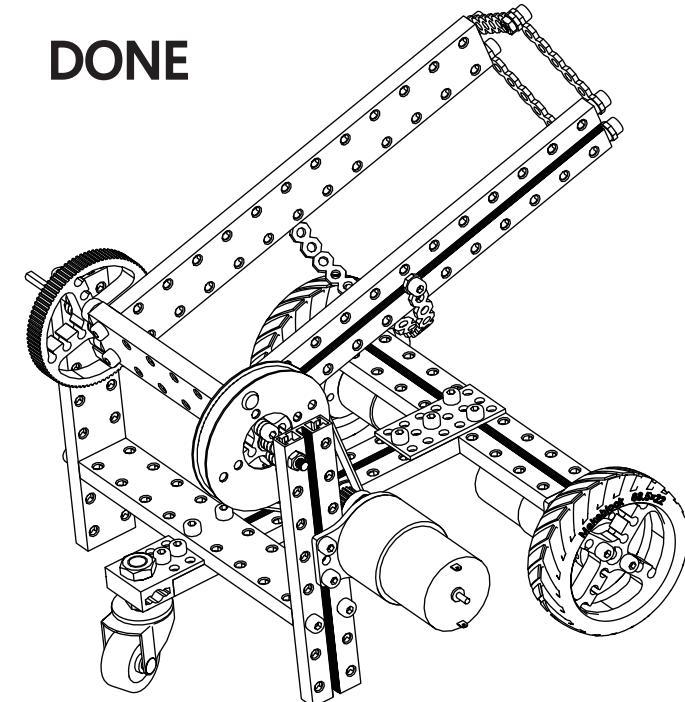
1x Screw M4x8

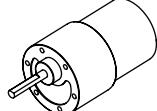
2x Screw M4X14

17



DONE



2x  DC Motor-37

2x  DC Motor-37 Bracket

2x  Timing Pulley 18T

2x  Countersunk Screw M3x8

2x  Headless Screw M3×5