

Bill of materials

	x12		x11		x2
	x3		x2		x8
	x3		x2		x23
	x1		x8		x13
	x1		x4		x7
	x4		x3		x1
	x4		x2		x1
	x1		x2		x1
	x1		x1		

NOTE: A balloon needed for some of the models is not included in the set due to safety requirements.
CAUTION: This set contains a string longer than 30cm (12 inches). Keep away from children under the age of 36 months. Danger of strangulation.
CAUTION: Rubber Bands can cause injury from snap-back, breaking, or loss of control. While assembling models shown in instructions, hold rubber band tightly, and do not overstretch. Use Rubber Bands only as shown in these instructions. DO NOT USE FRAYED OR TORN RUBBER BANDS. Keep Rubber Bands away from face and eyes. Do not launch in the direction of people, animals, or walls; you could cause injury or damage.



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WARNING:
 CHOKING HAZARD - Small parts.
 Not for children under 3 yrs.

DISCOVERING STEM

Science • Technology • Engineering • Mathematics

NEWTON'S LAWS

inertia, momentum, kinetic & potential energy



7

models printed instructions included

1

model online 3D instructions



3D interactive instructions
 to download on your smart device

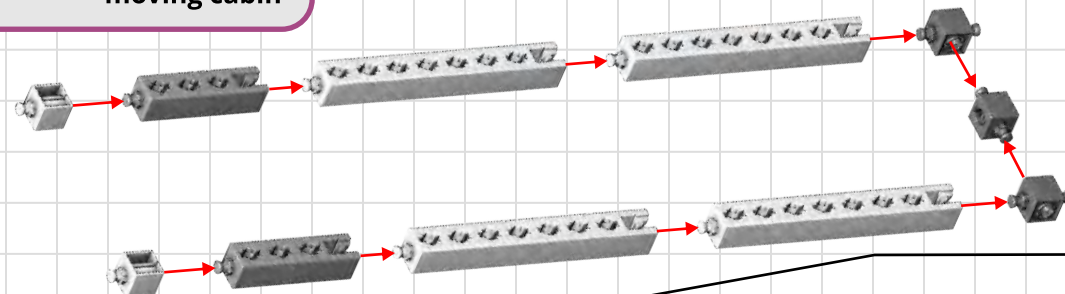
8 models
 to build

8-16+

Building Instructions



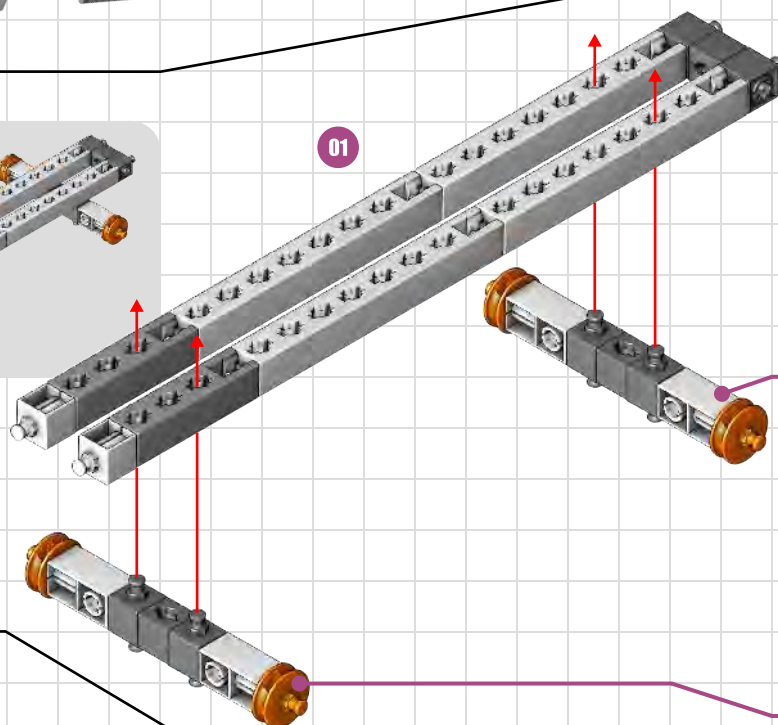
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02

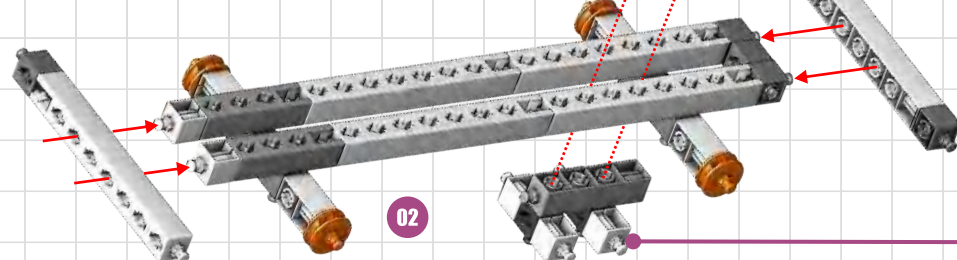


01



x2

03



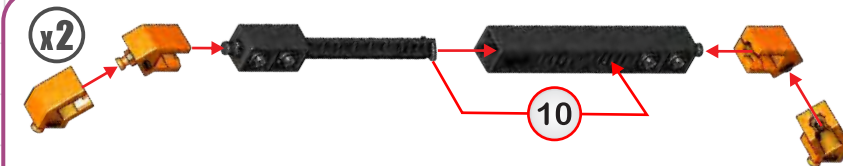
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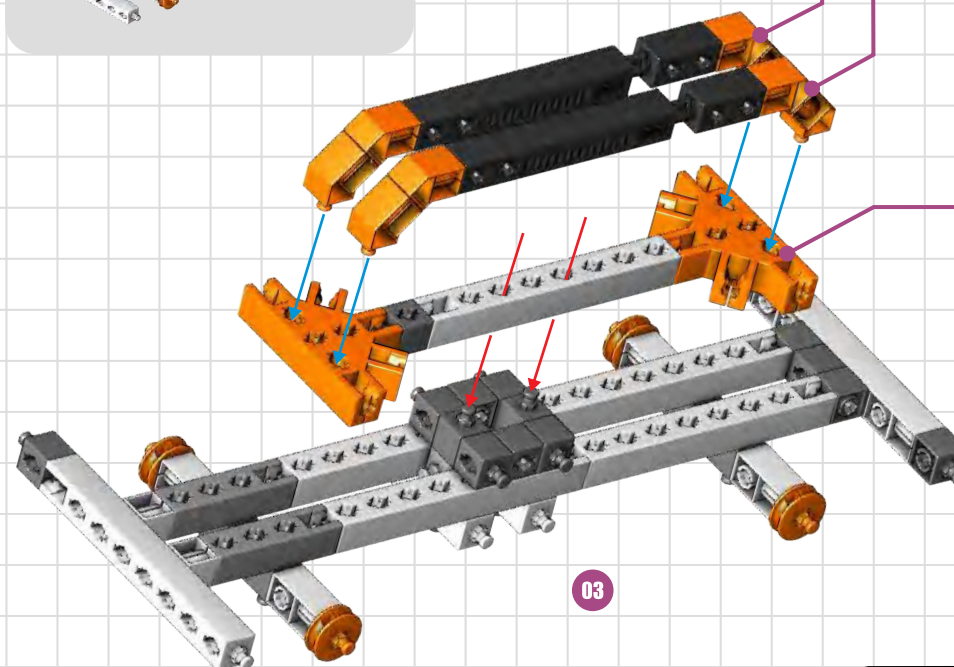
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x2

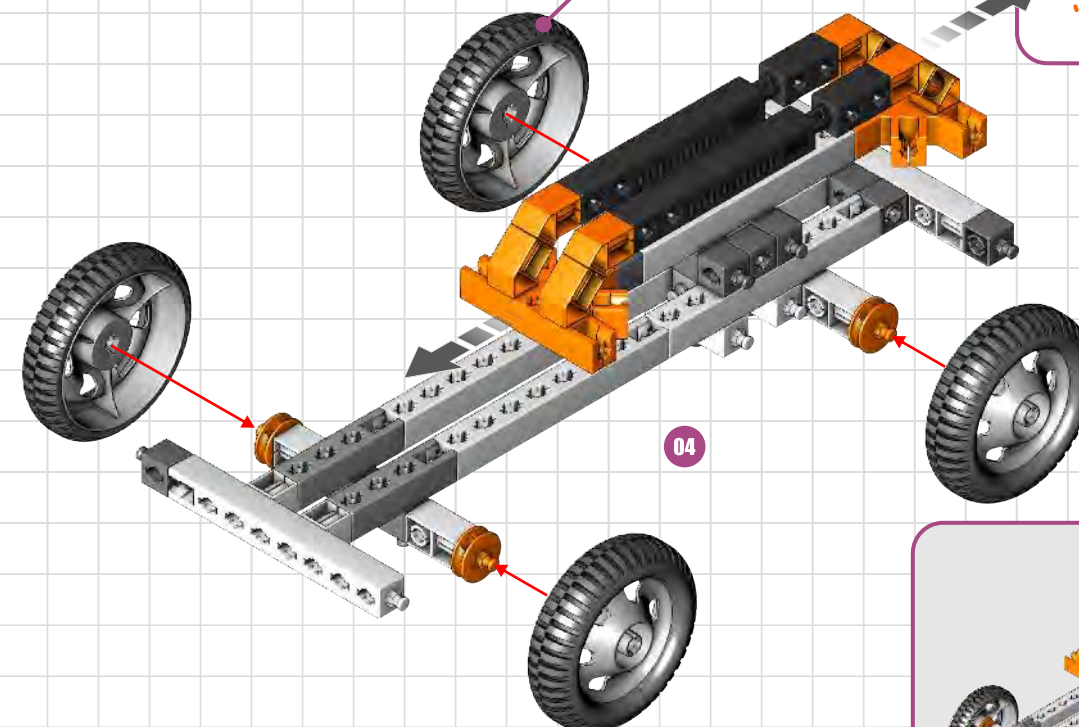


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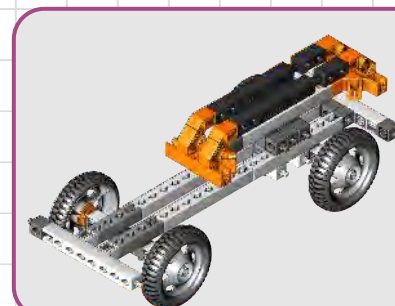


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x4

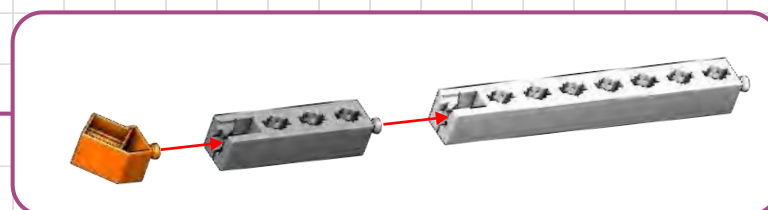
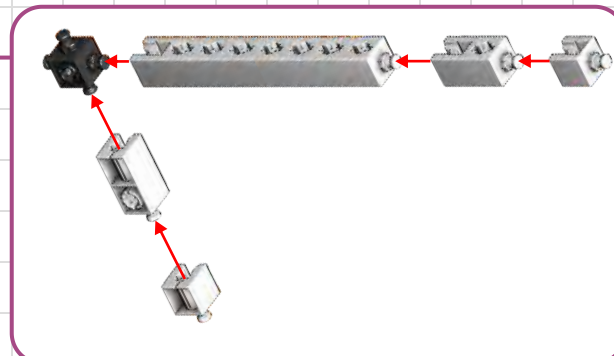
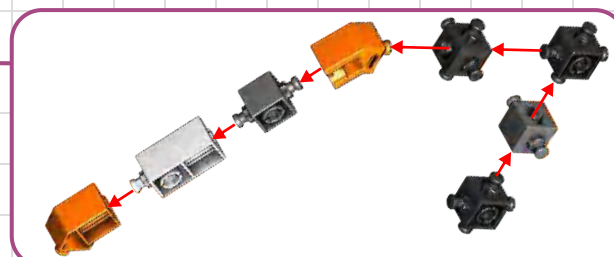
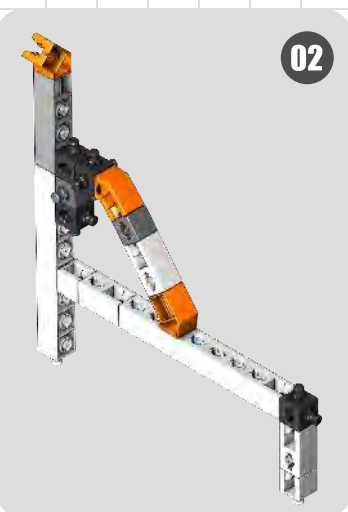
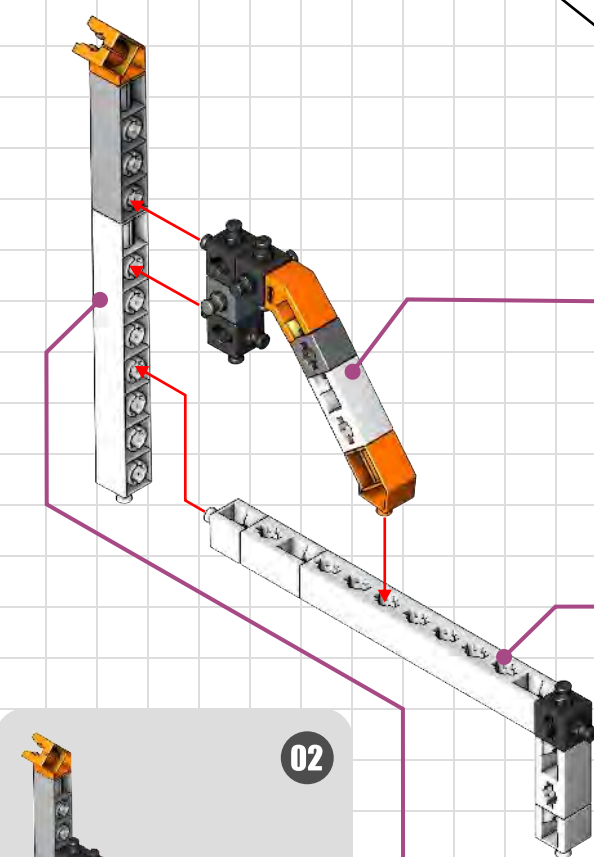
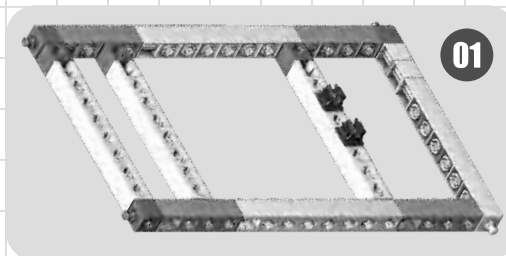
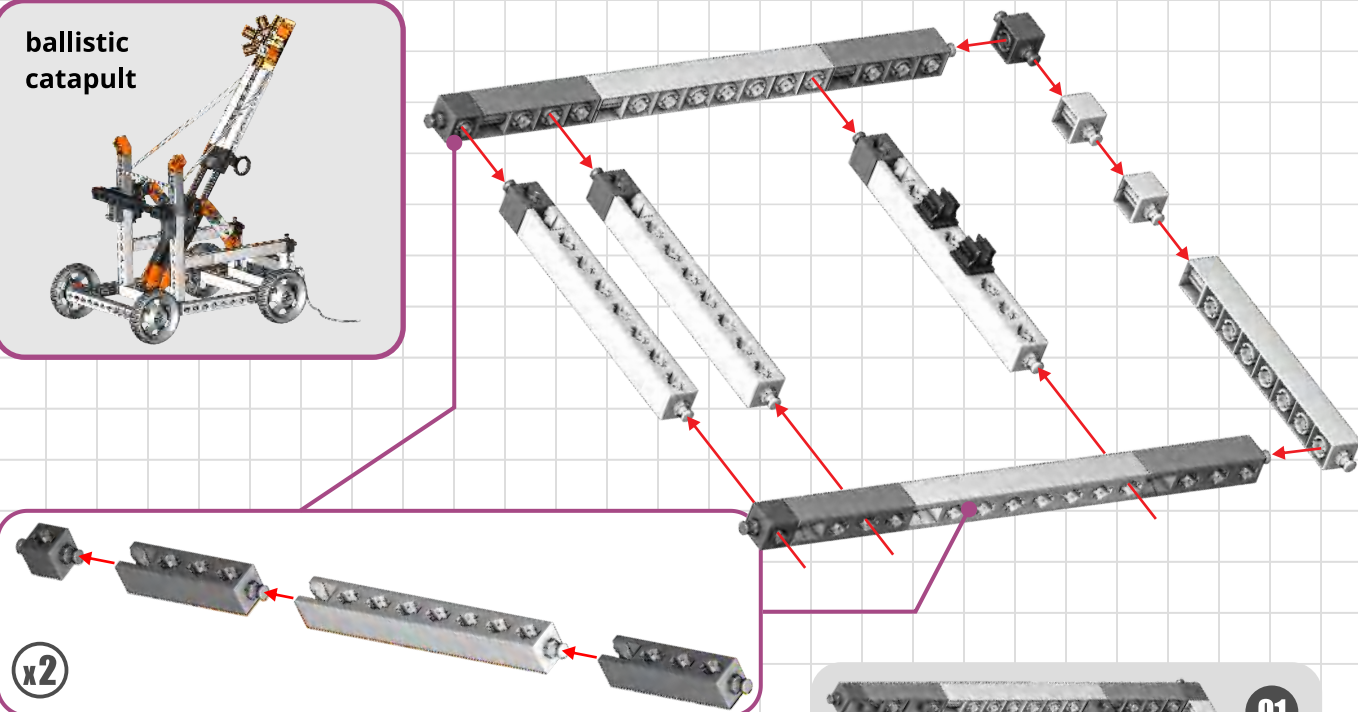


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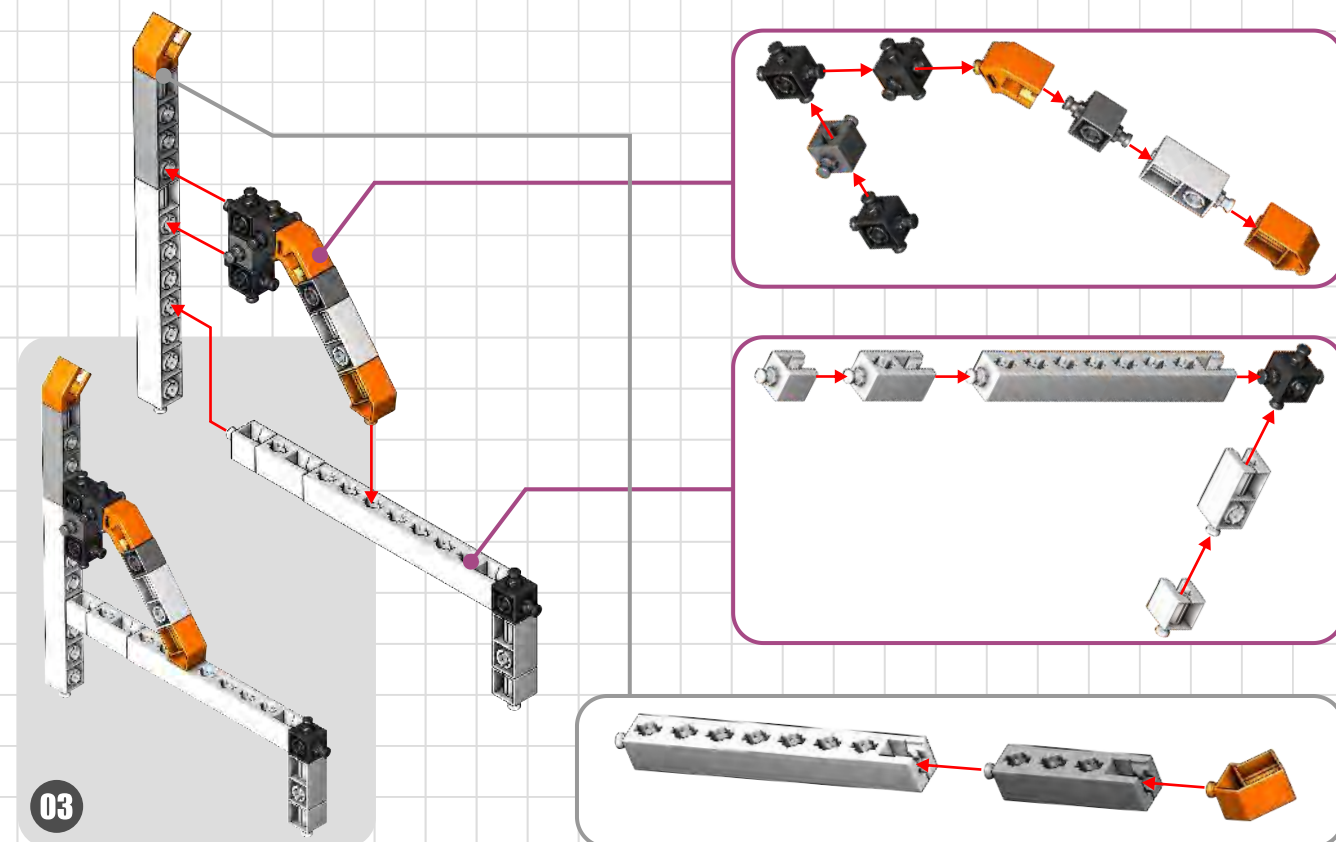


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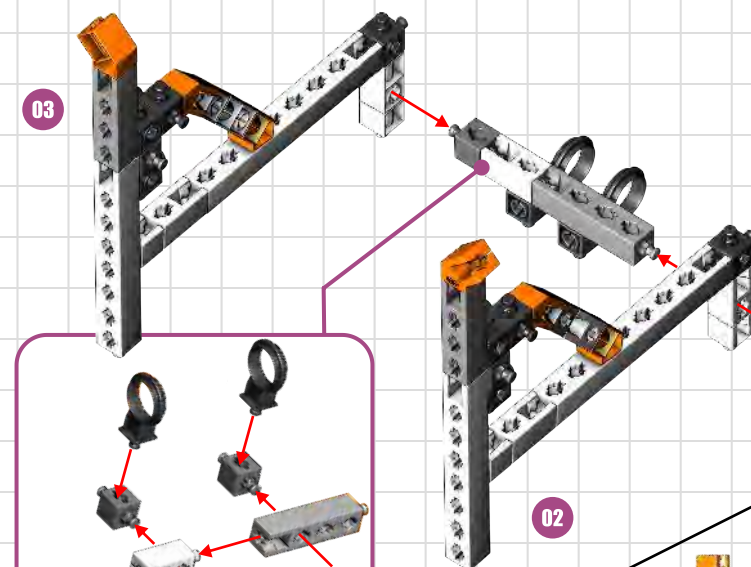
ballistic catapult



03



03



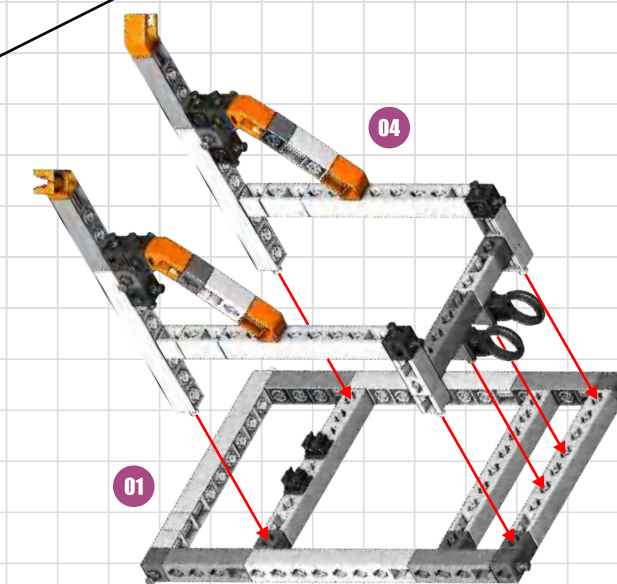
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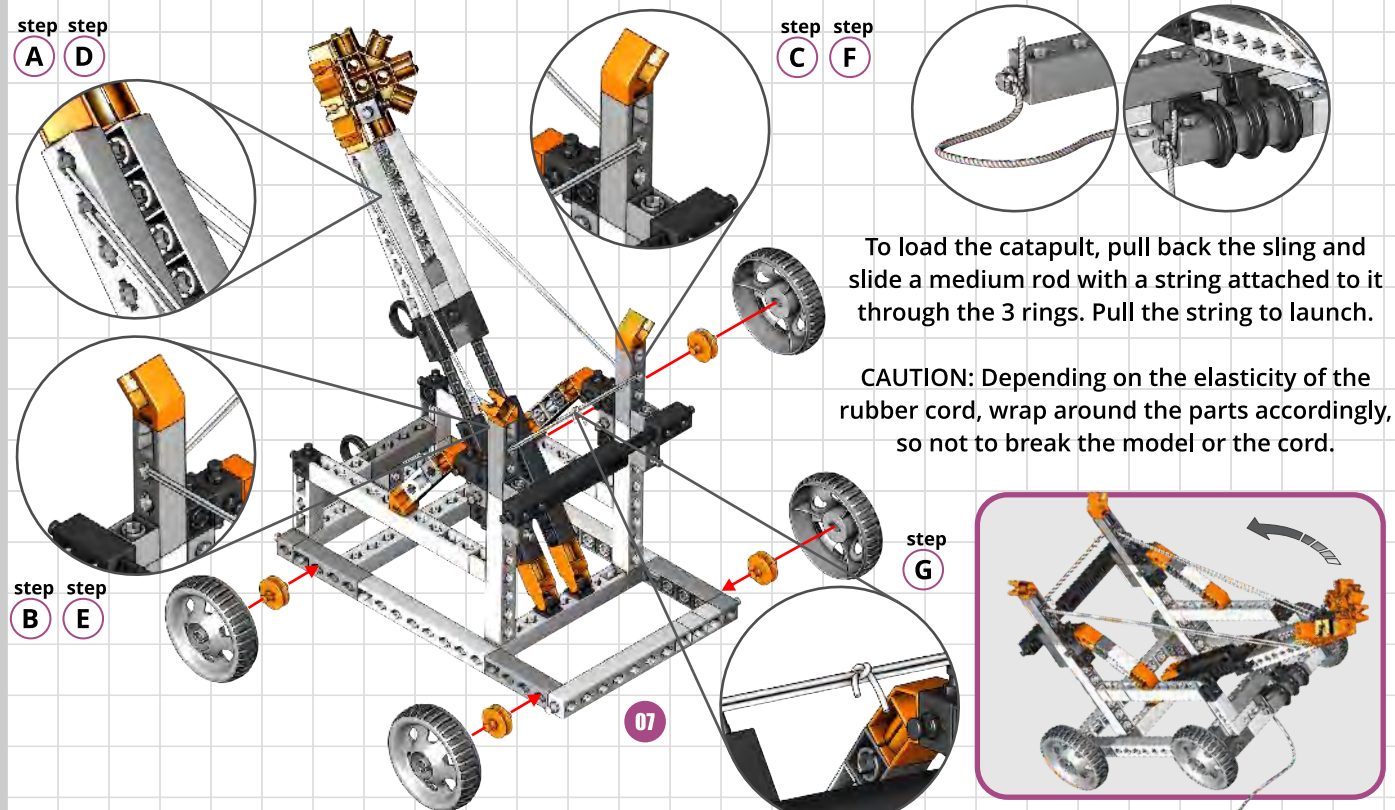
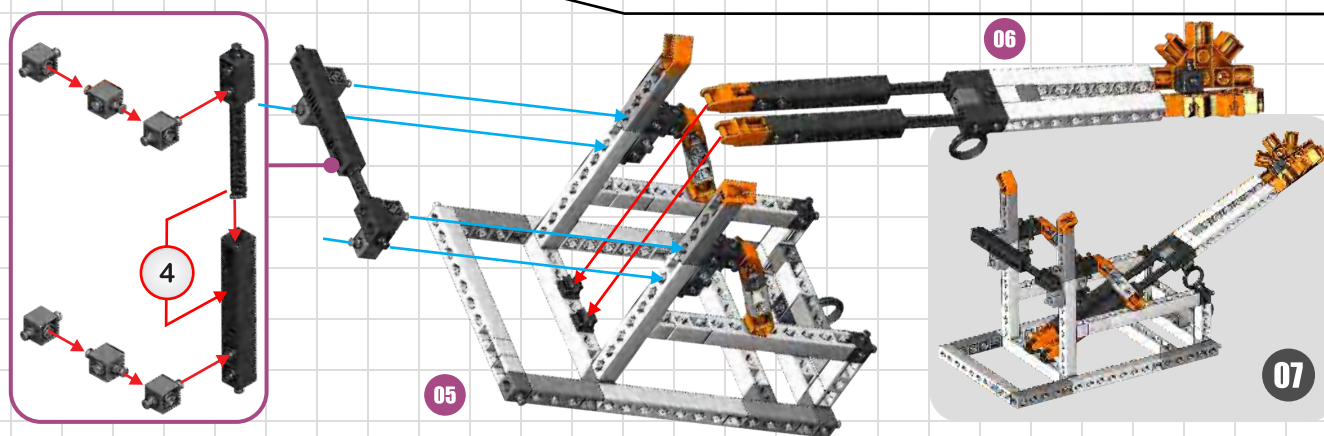
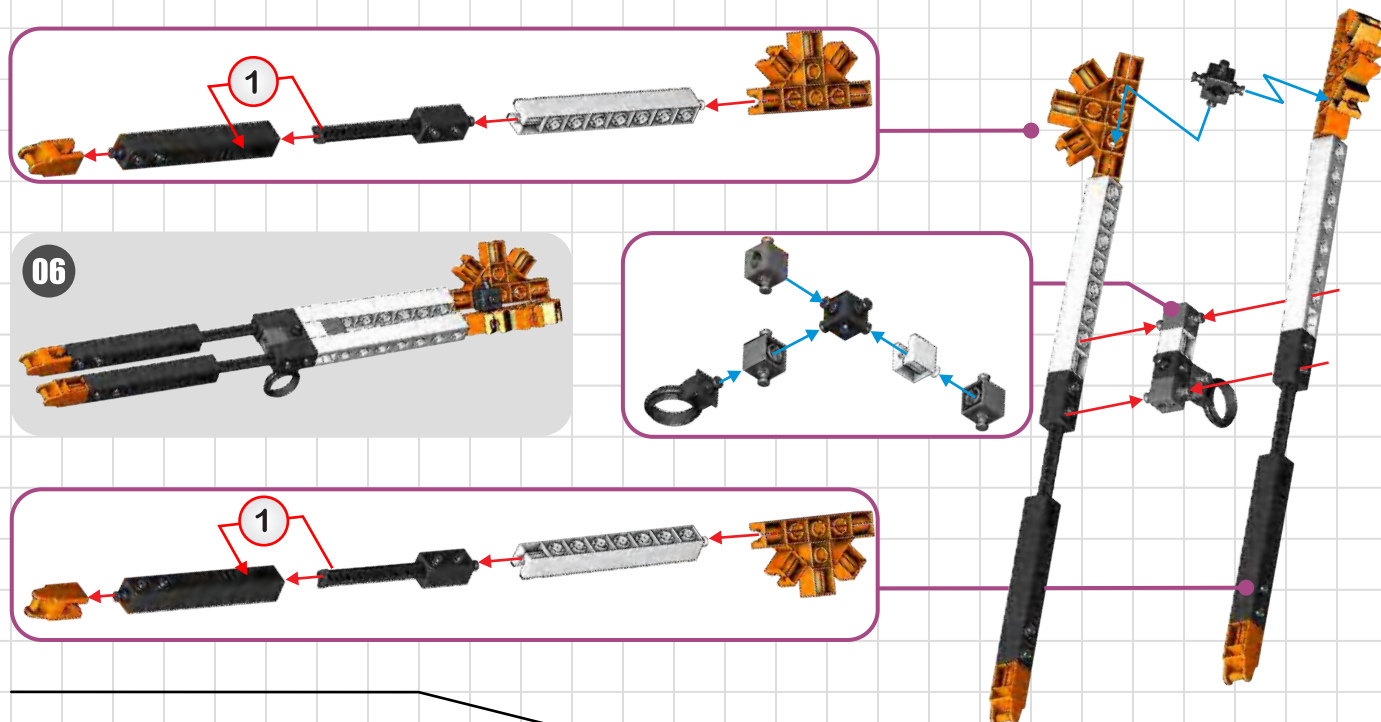
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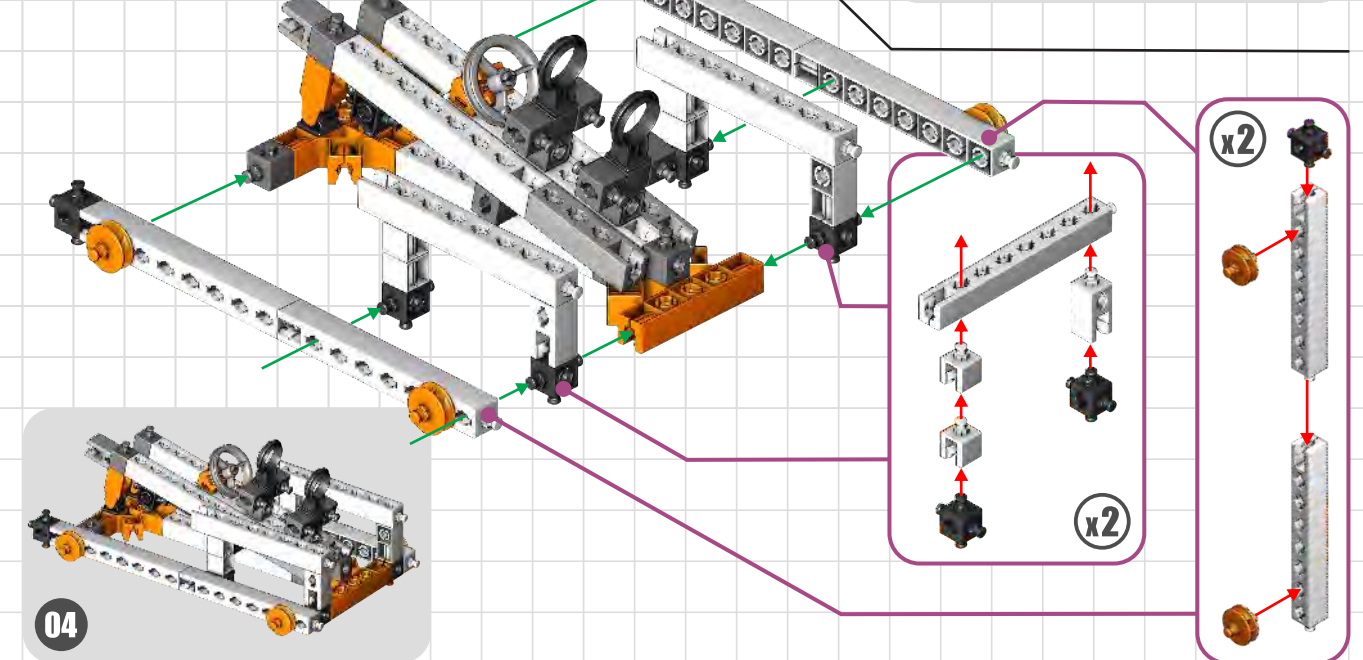
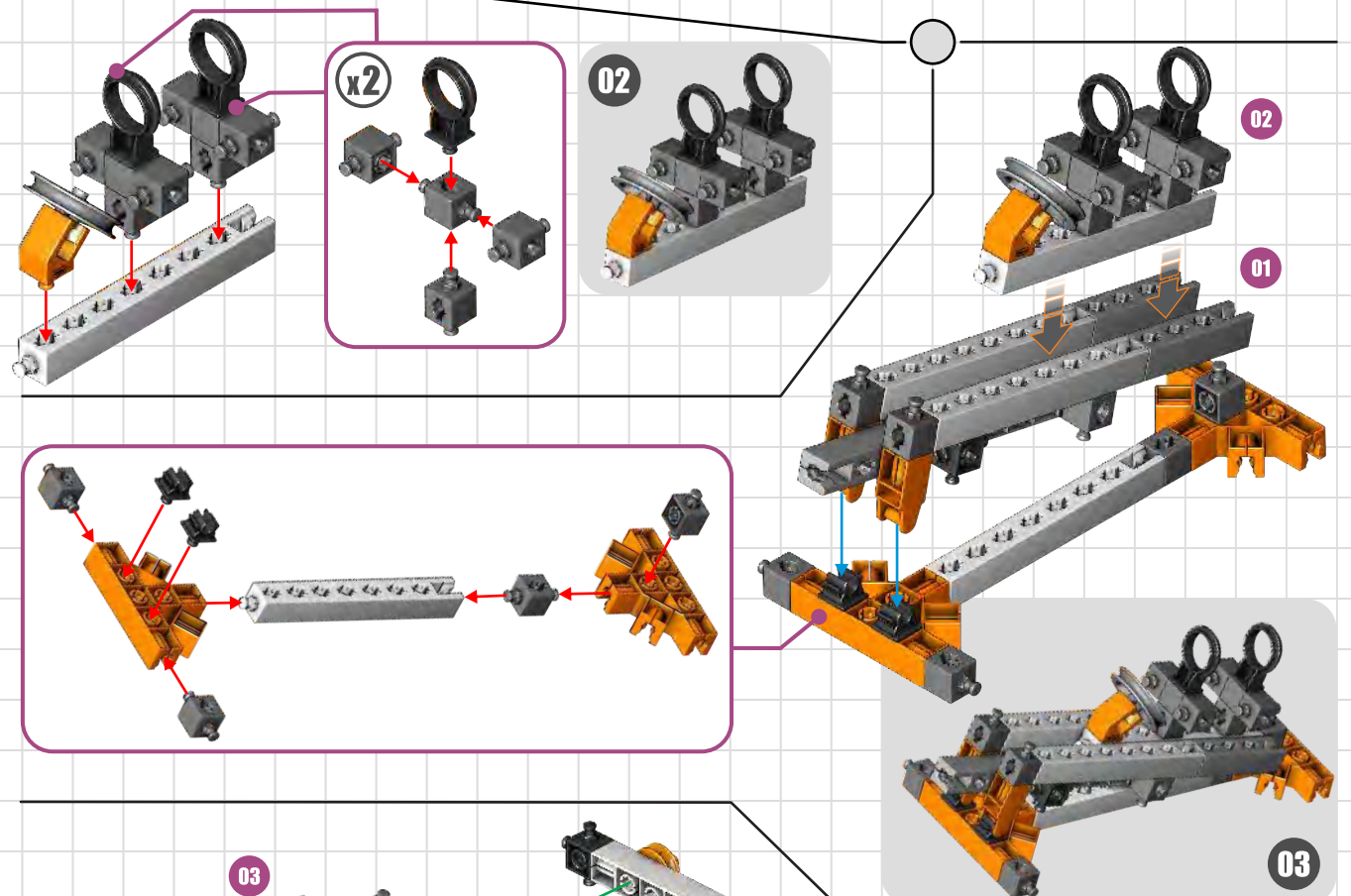
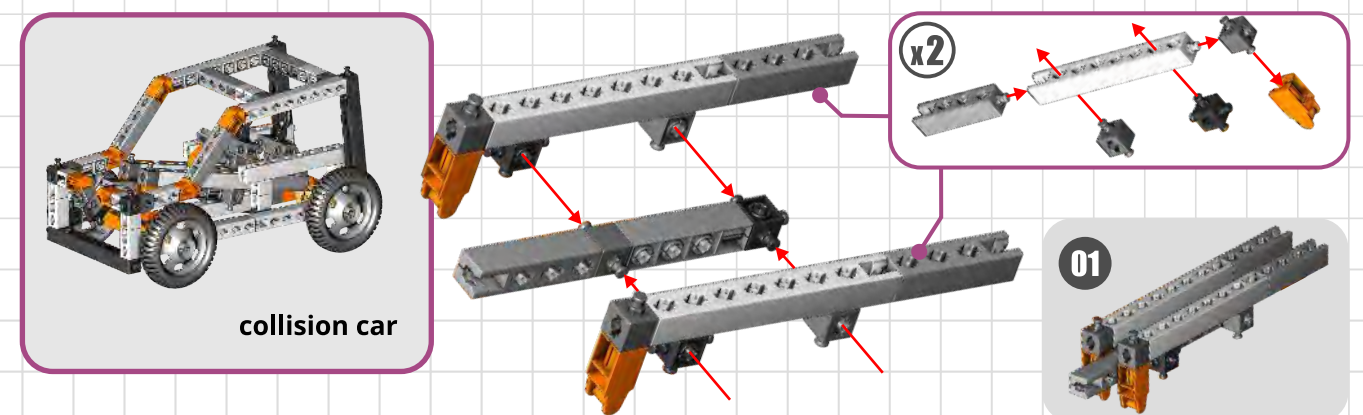
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04

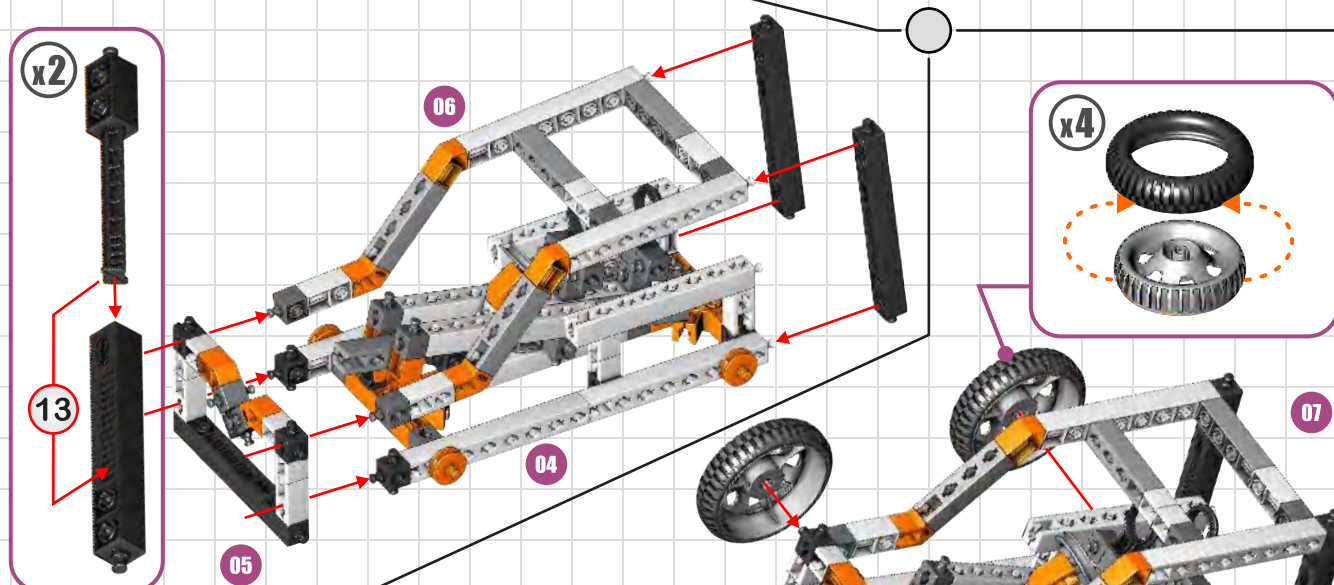
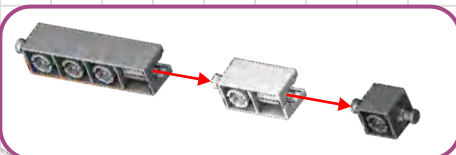
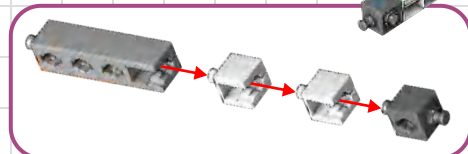
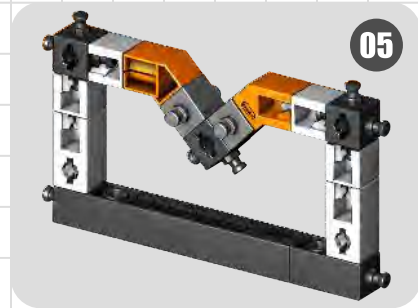
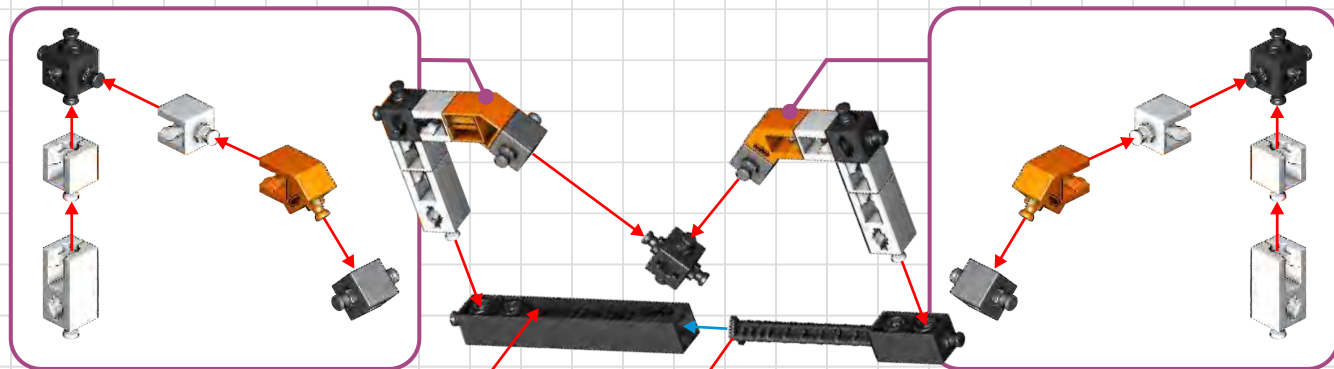
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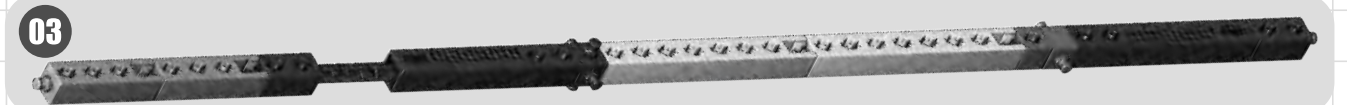
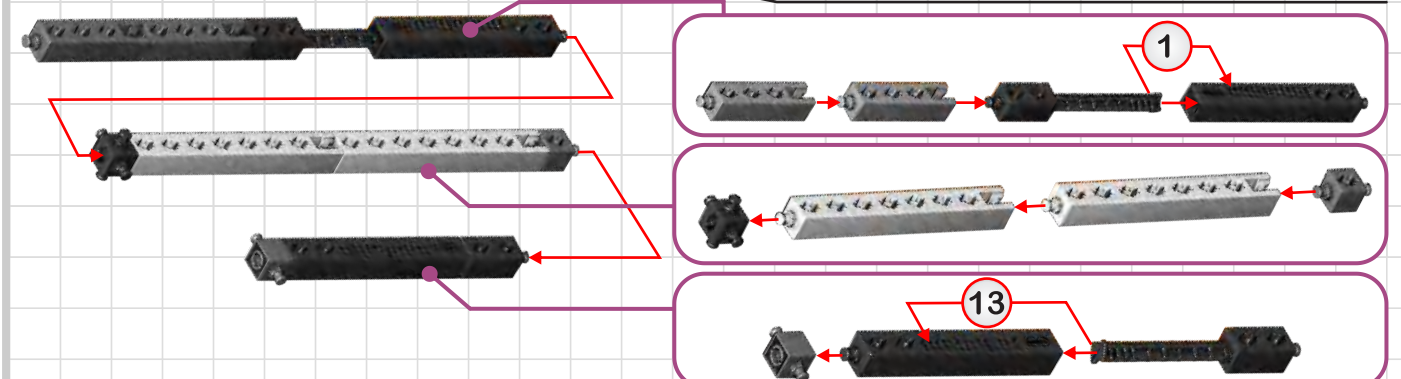
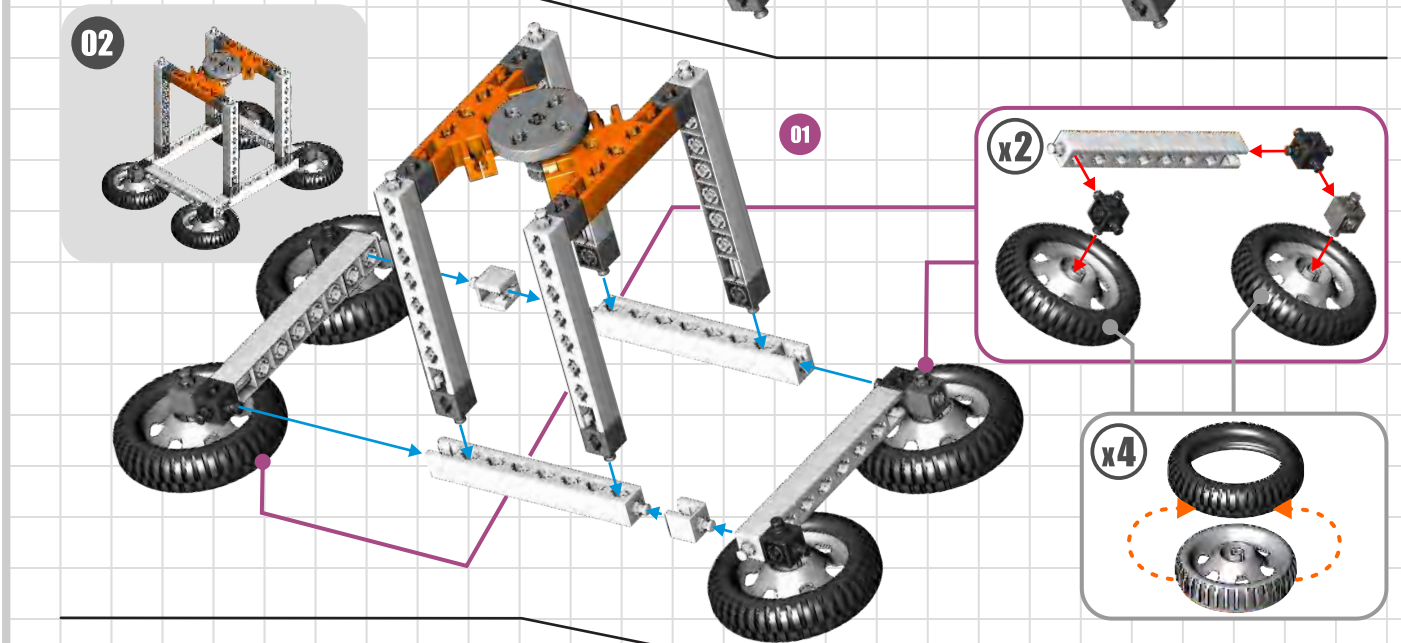
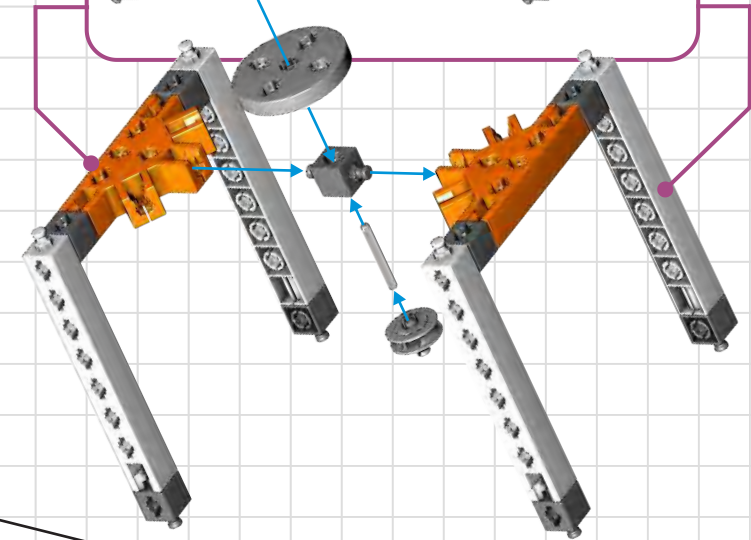
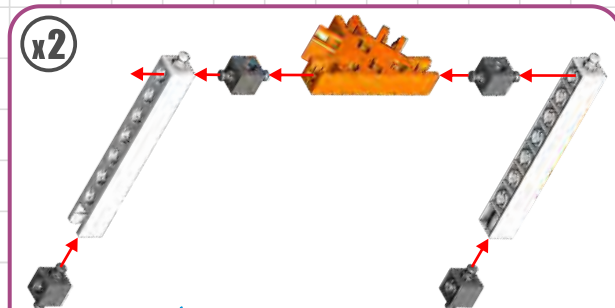
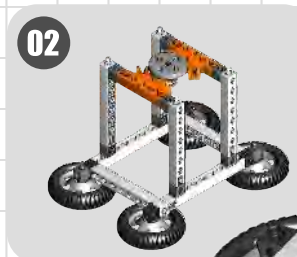
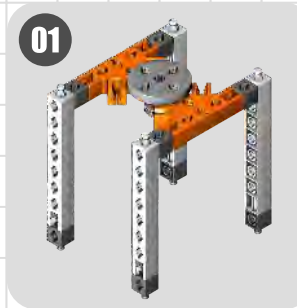


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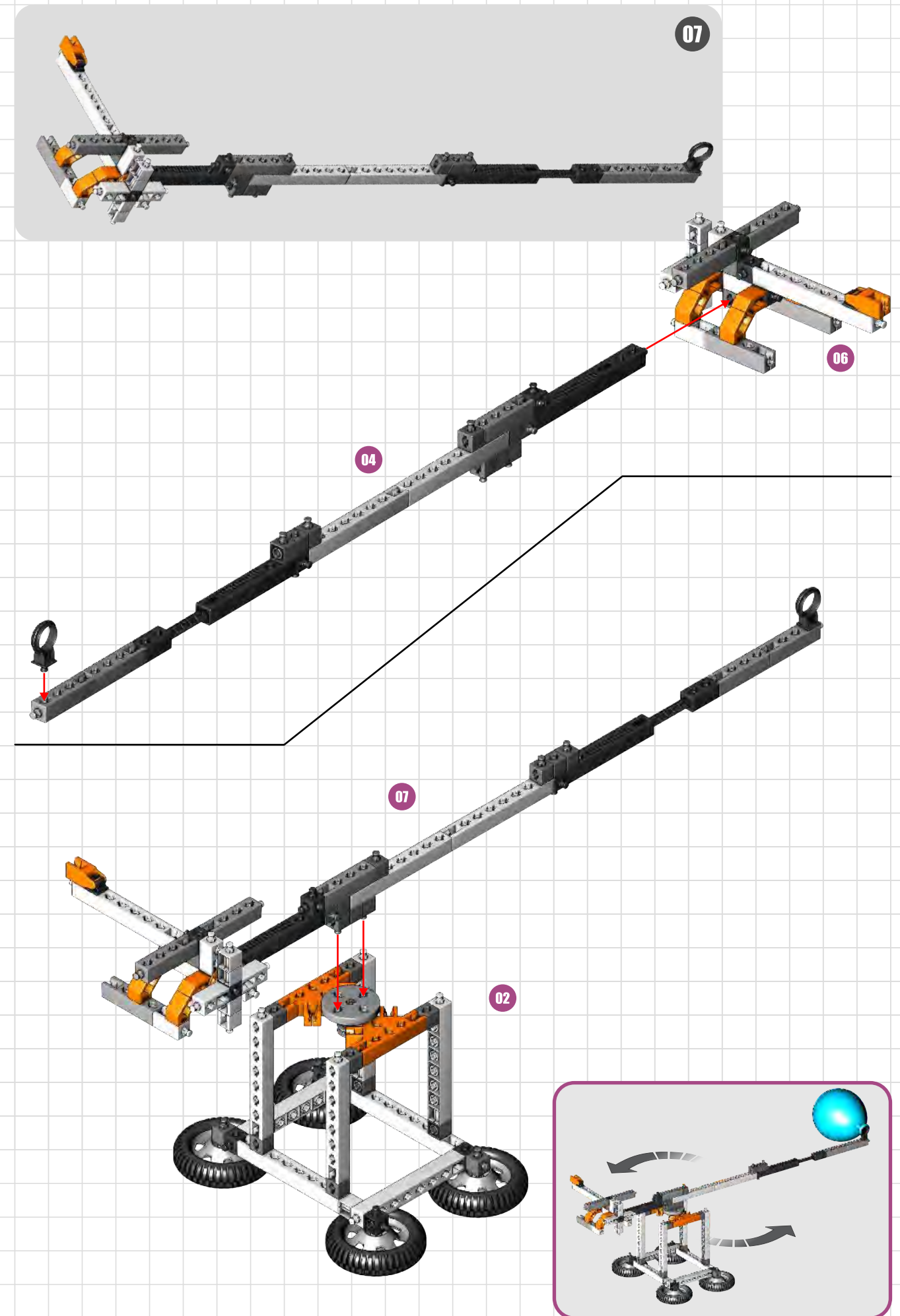
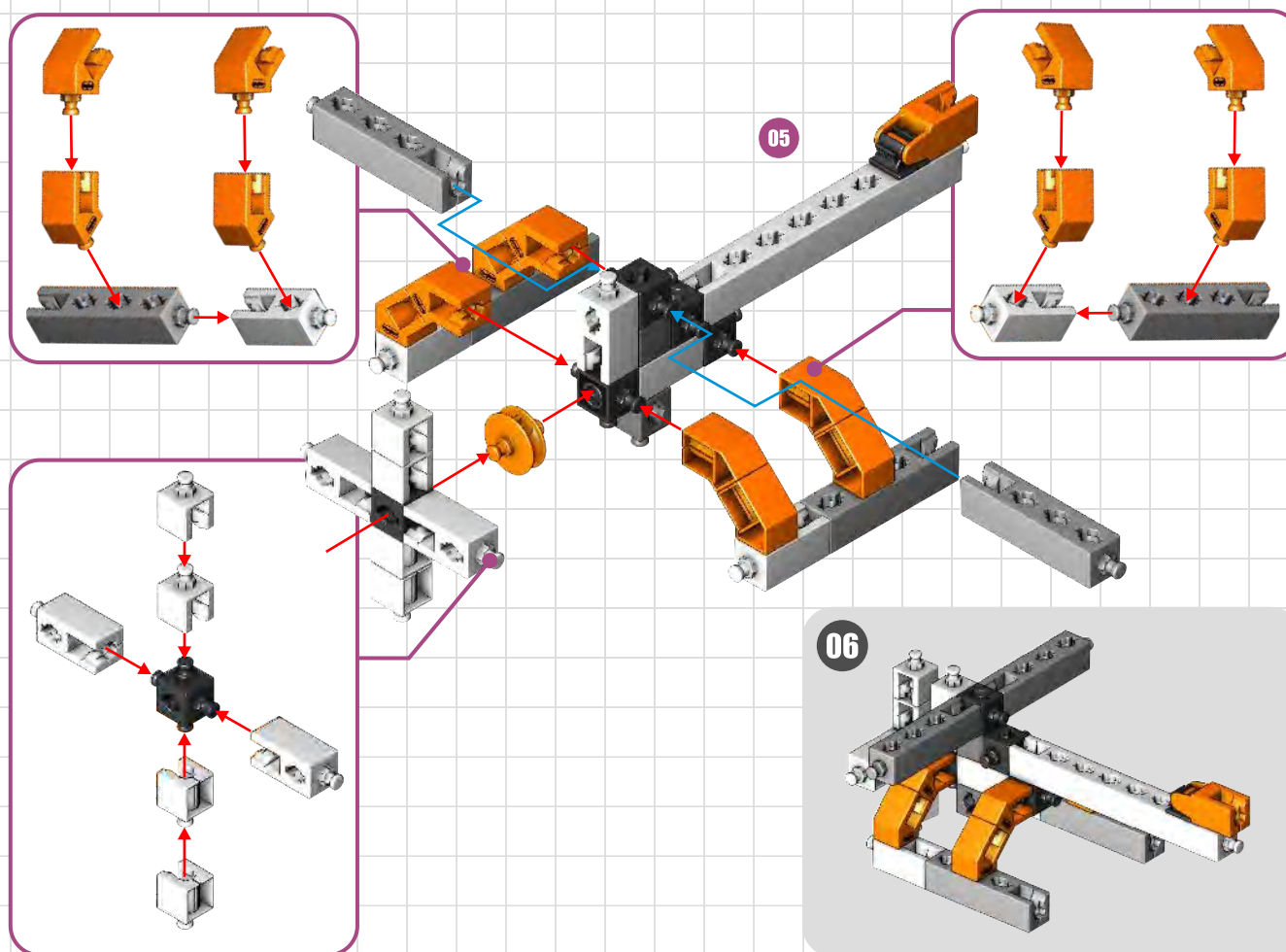
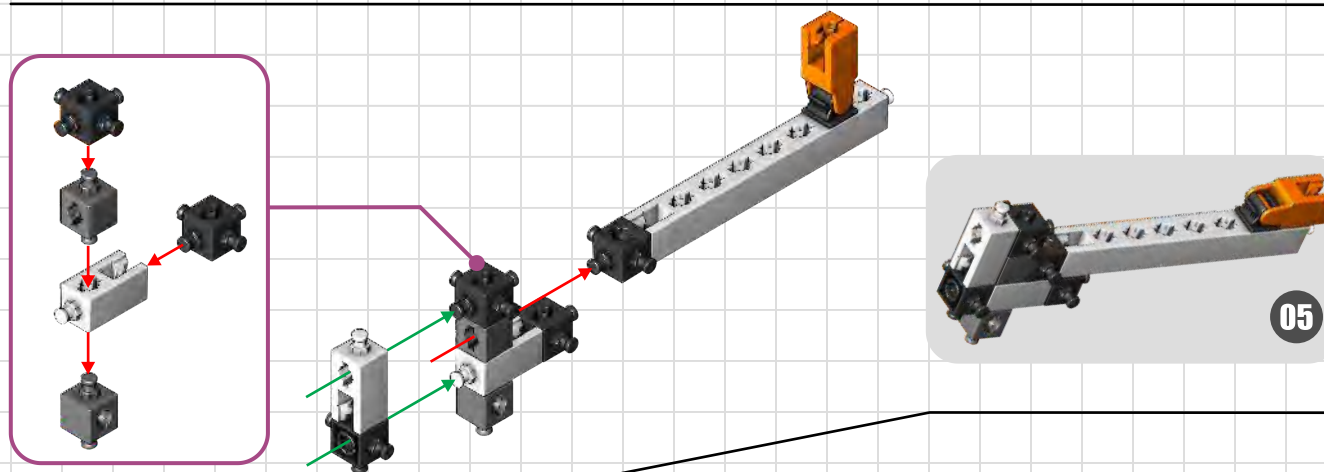
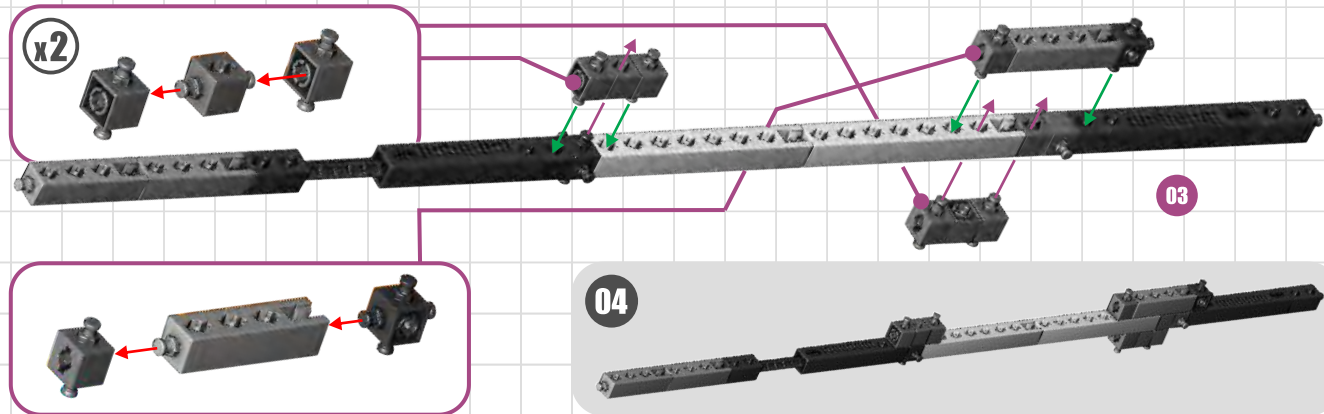


07

balloon powered plane



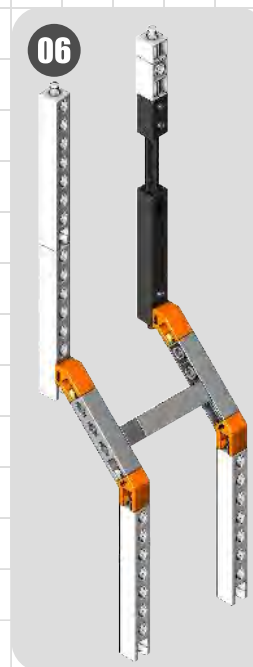
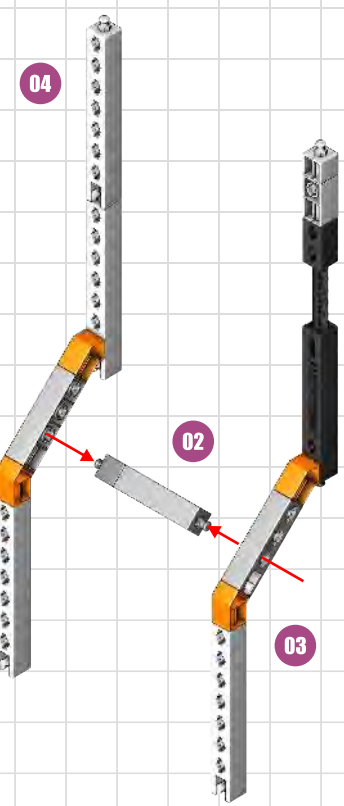
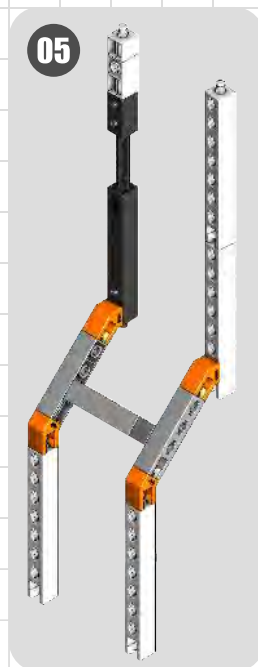
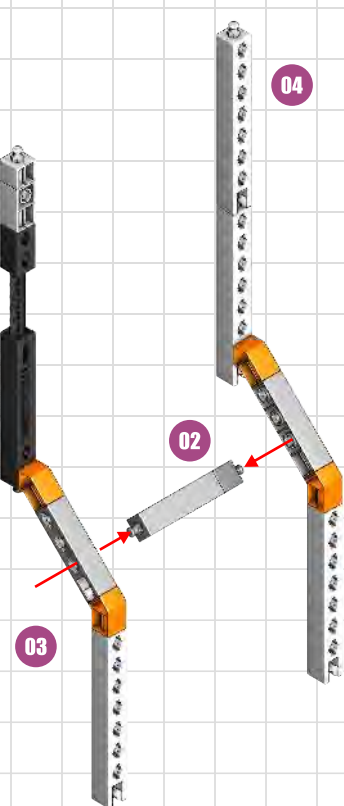
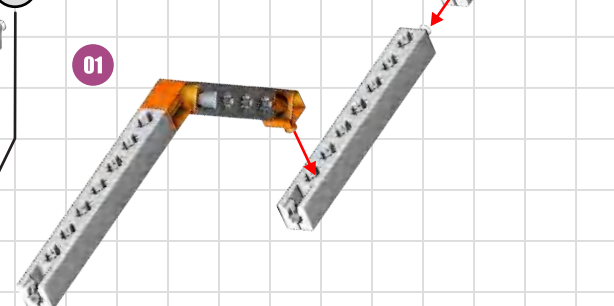
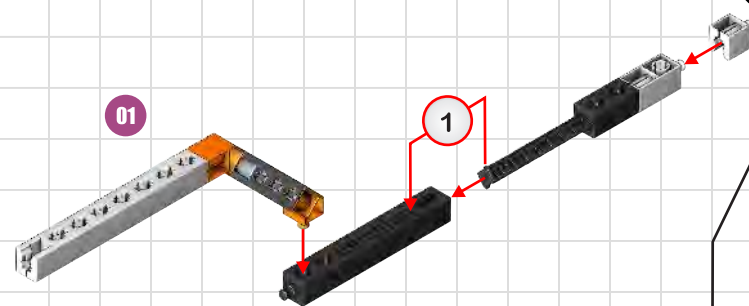
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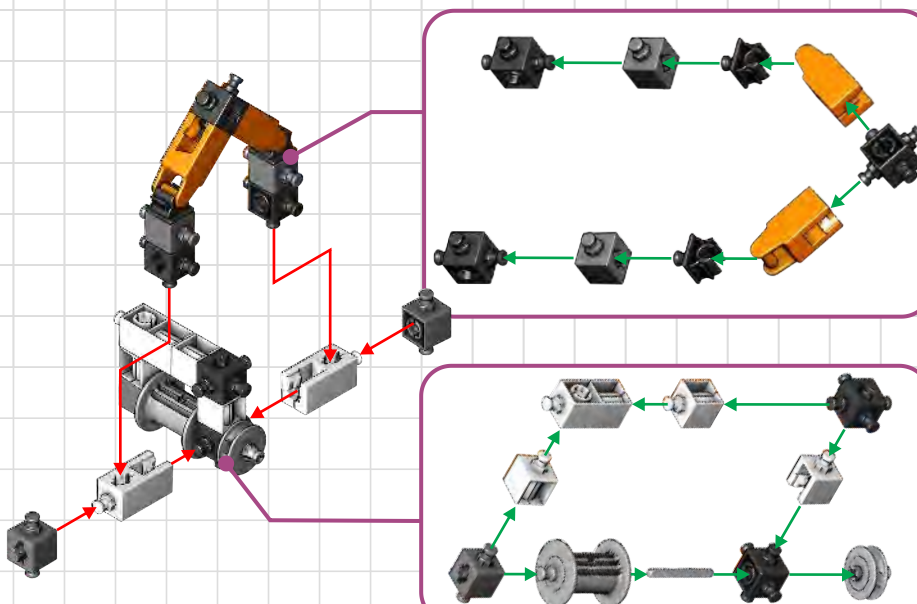
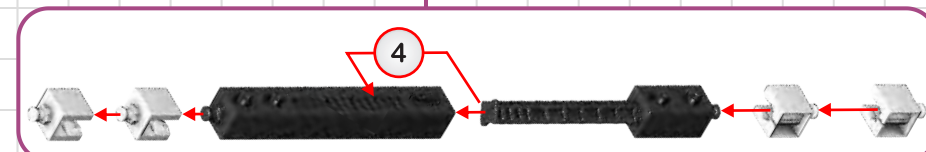
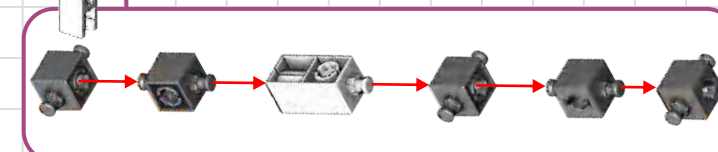
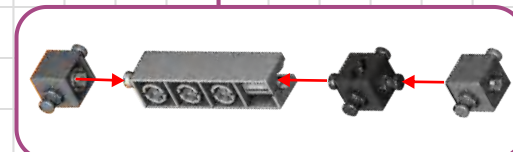
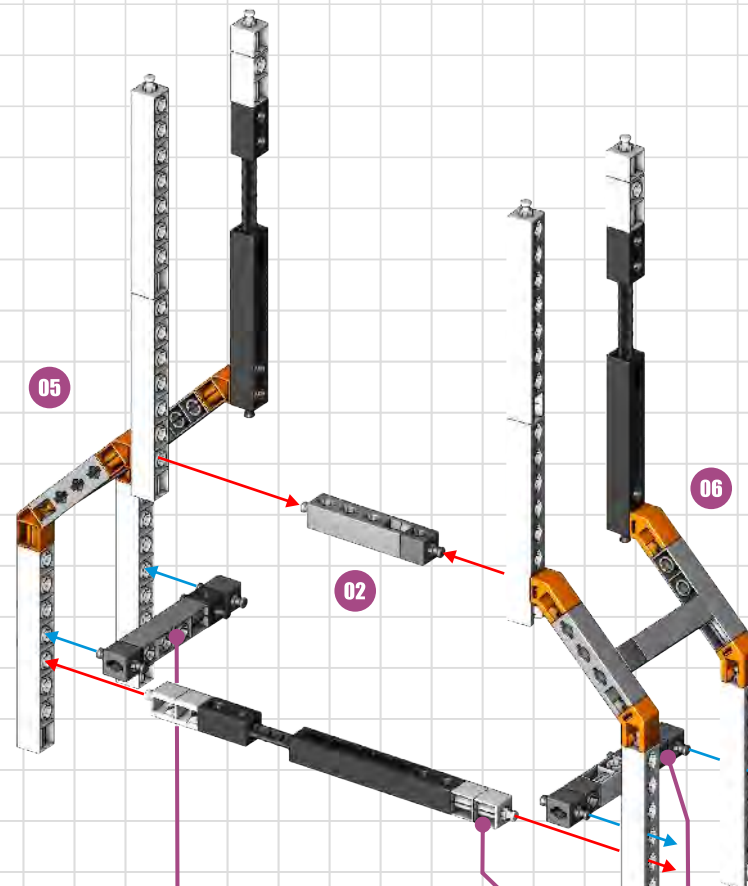


01 x4

02 x3



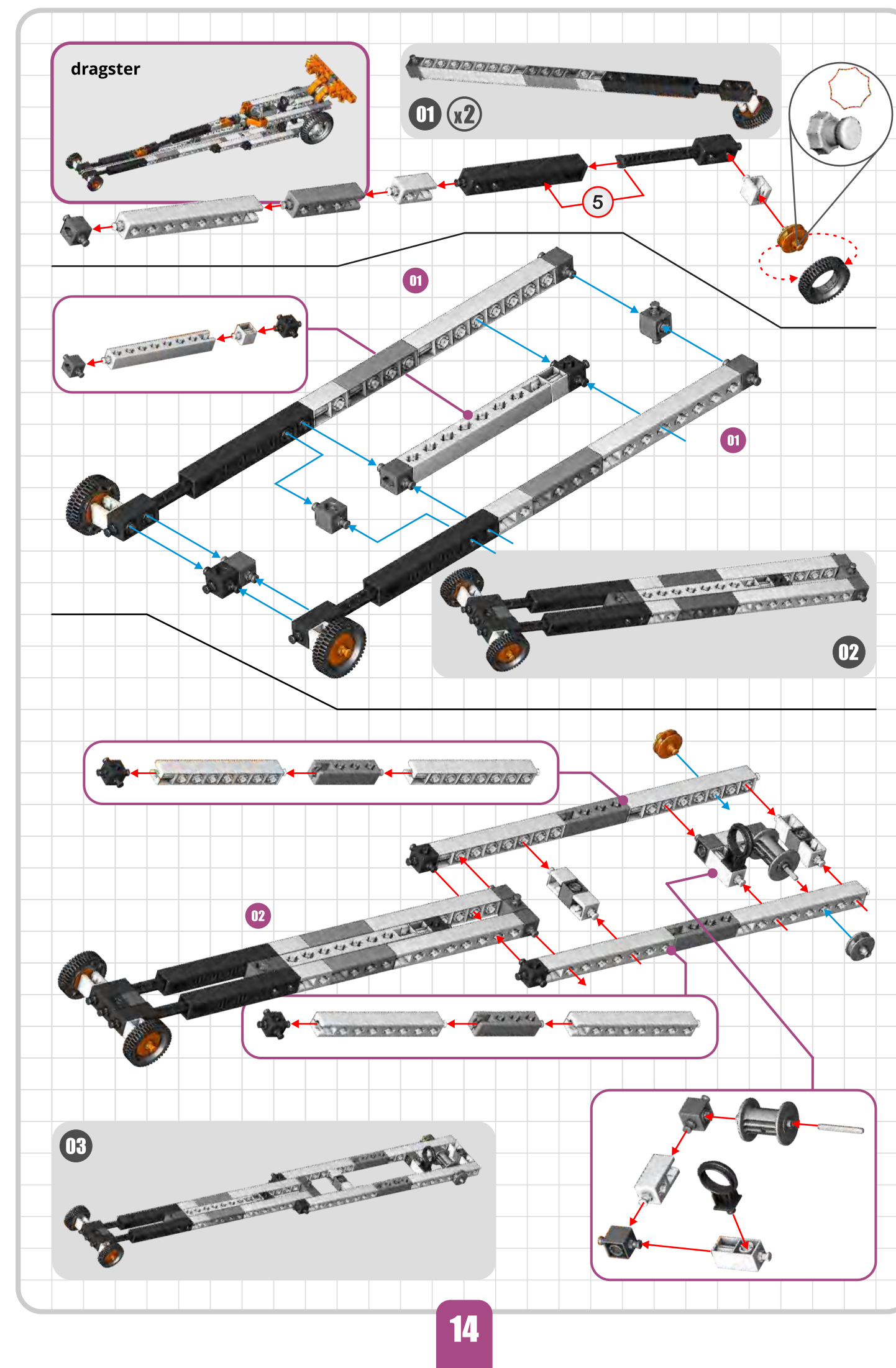
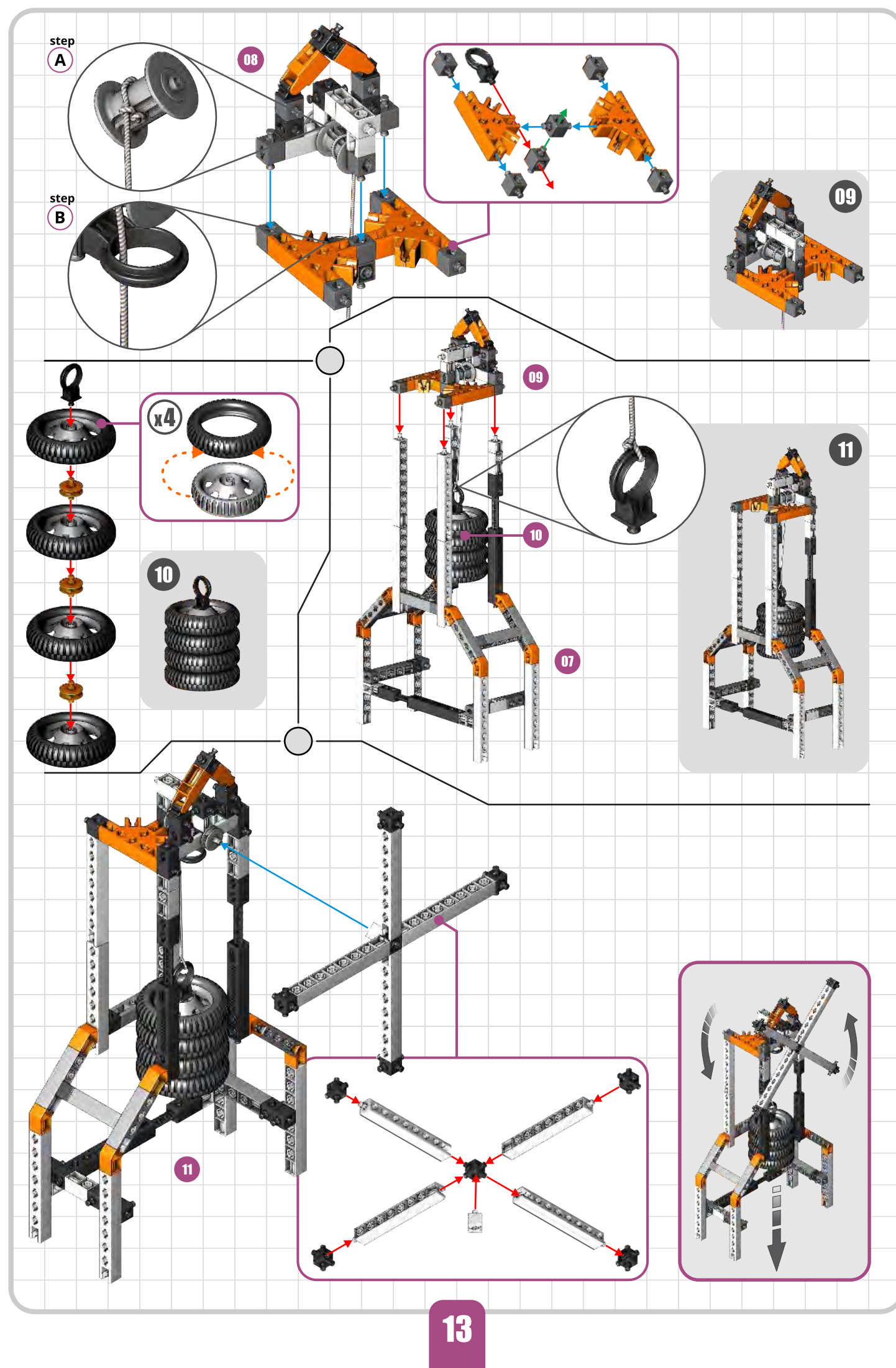
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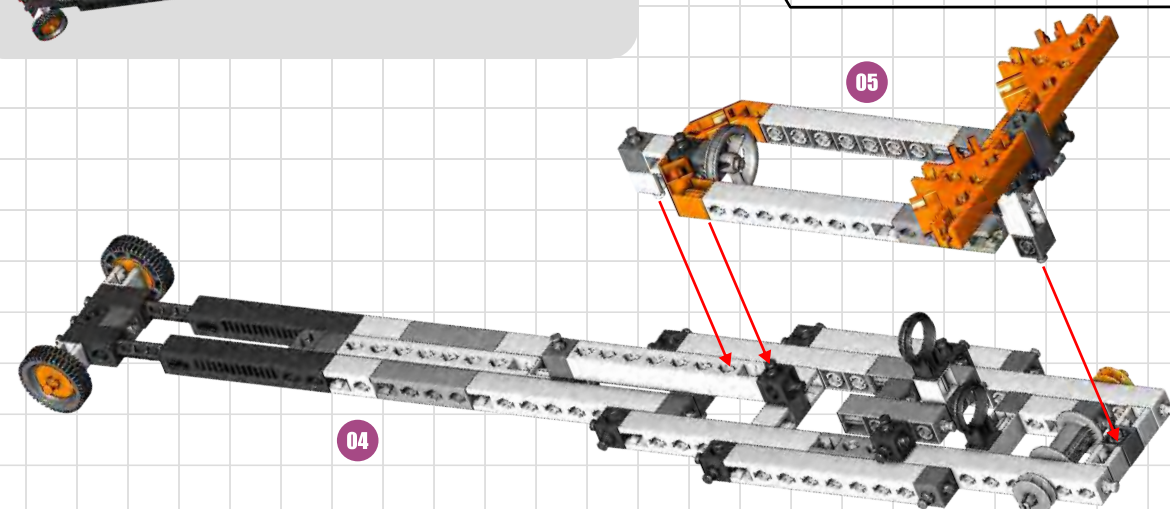
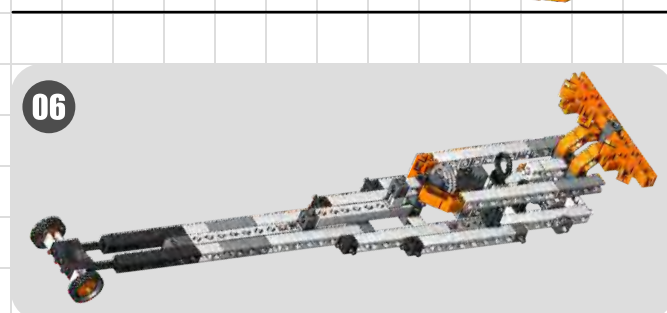
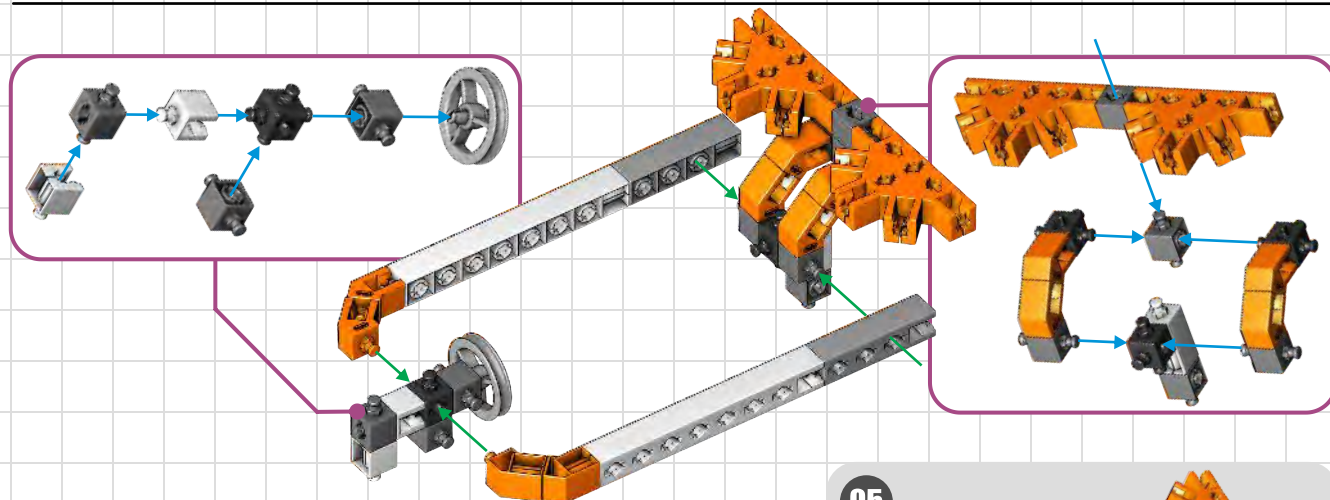
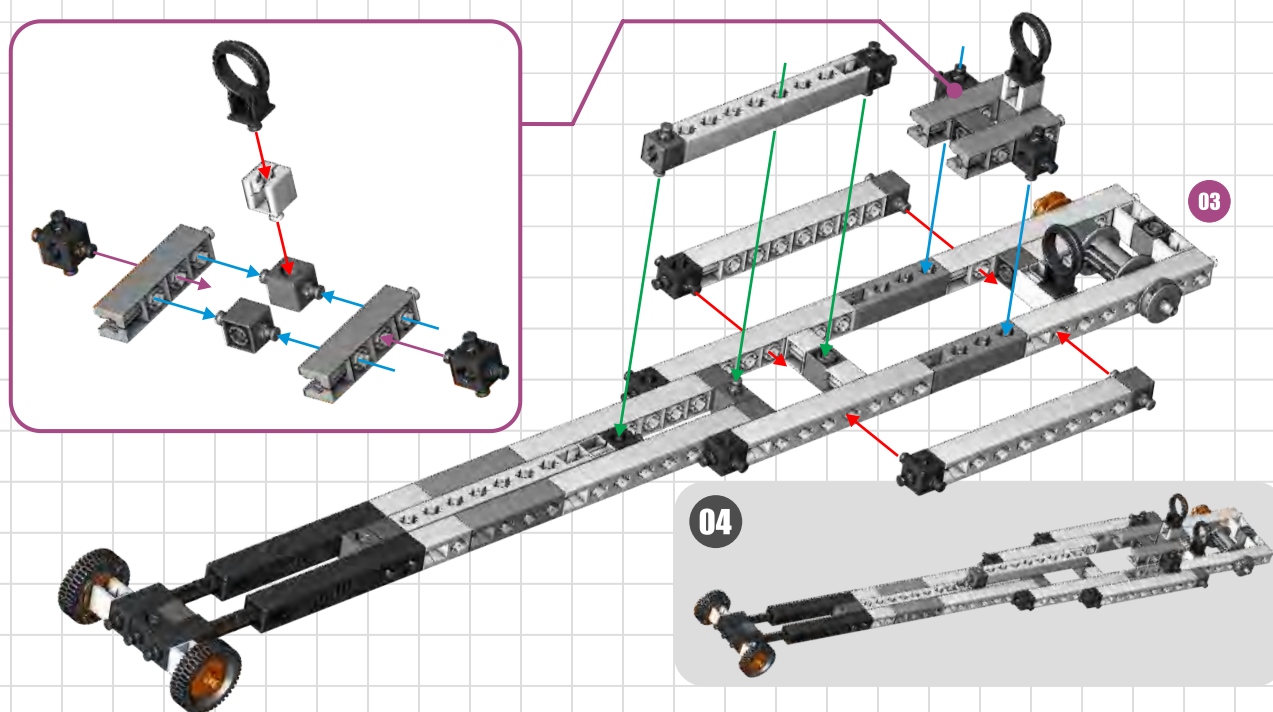


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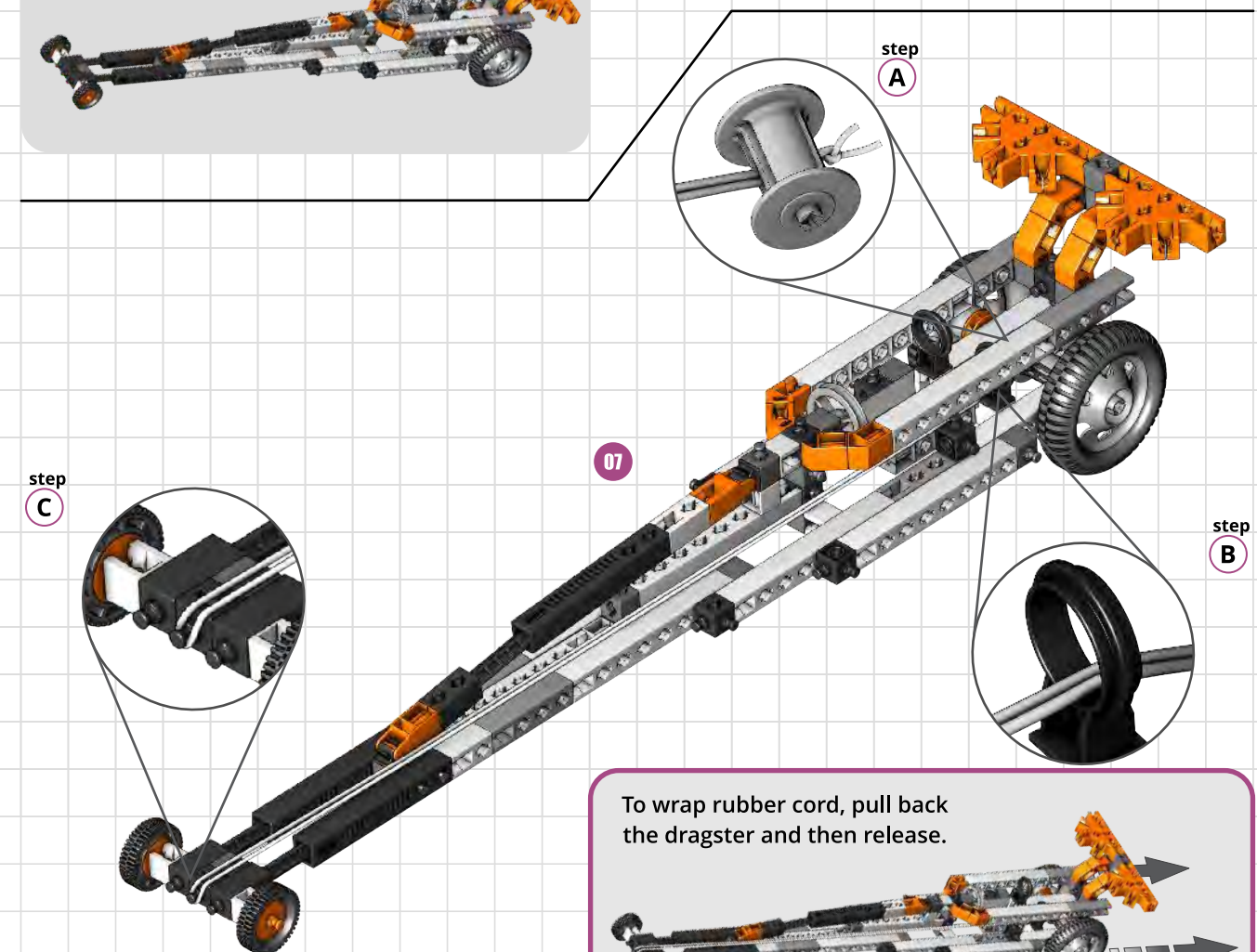
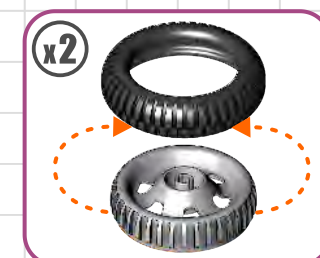
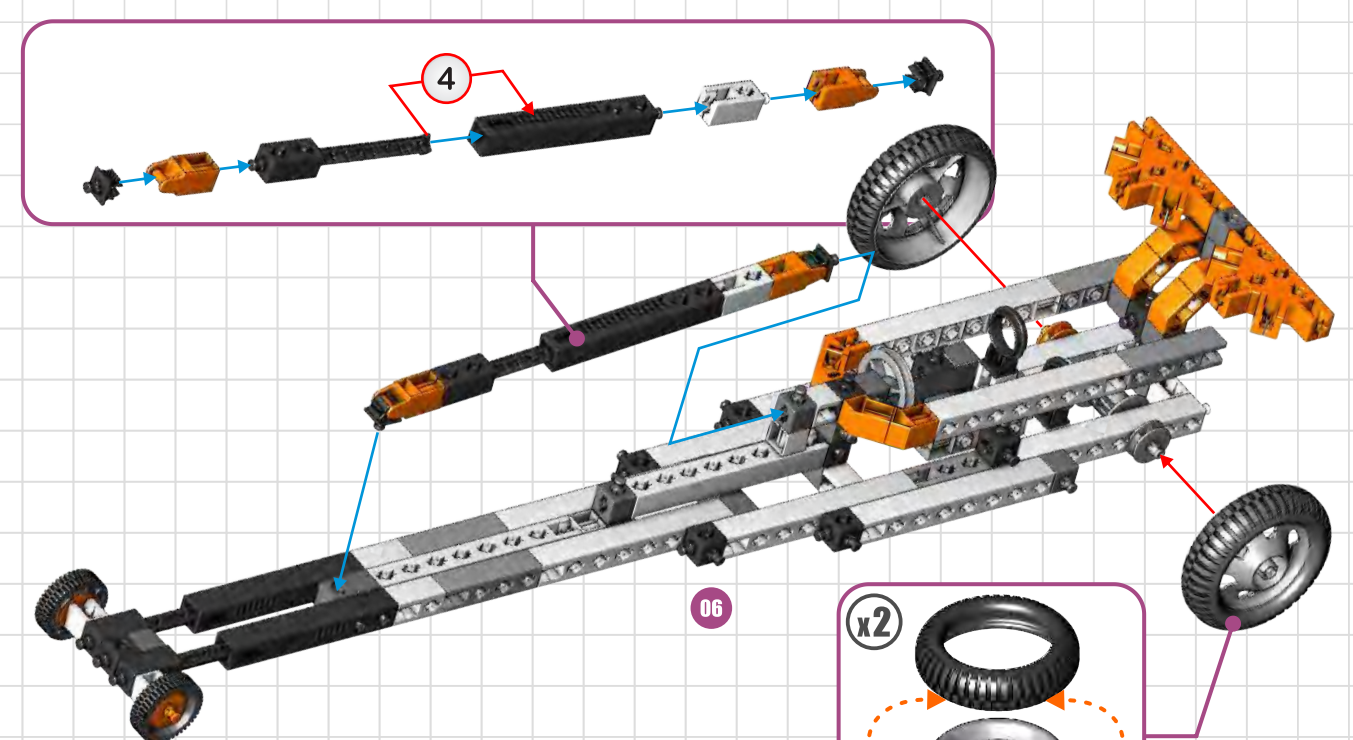


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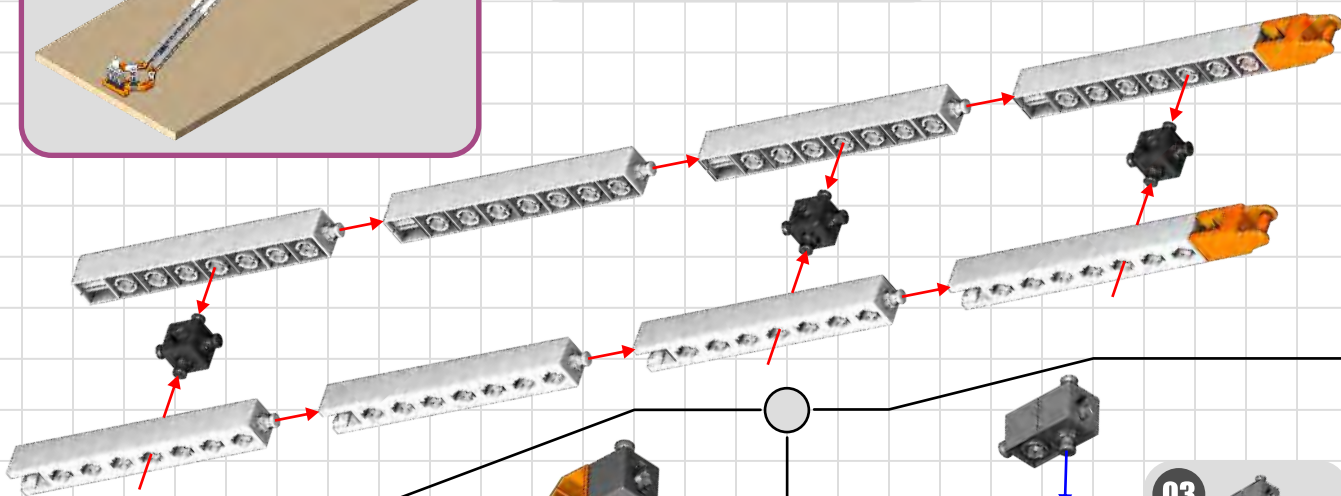


To wrap rubber cord, pull back the dragster and then release.

16

galileo's experiment
inclined plane

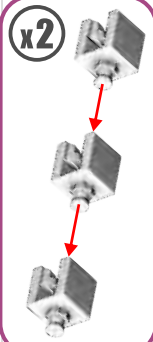
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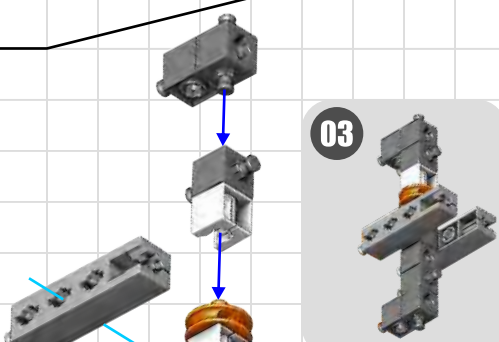
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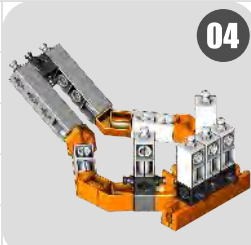
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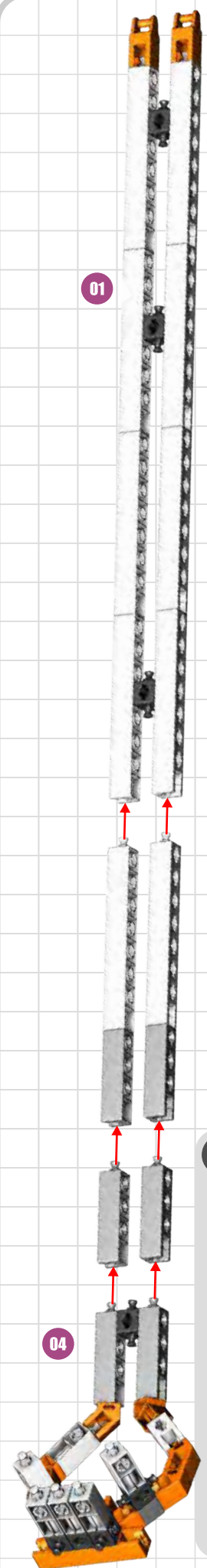


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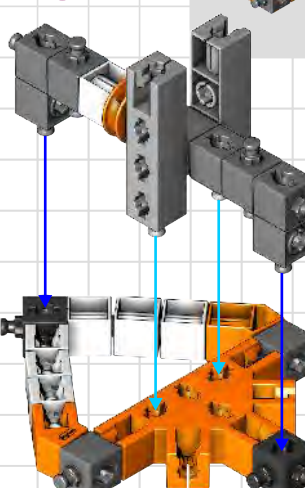
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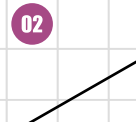
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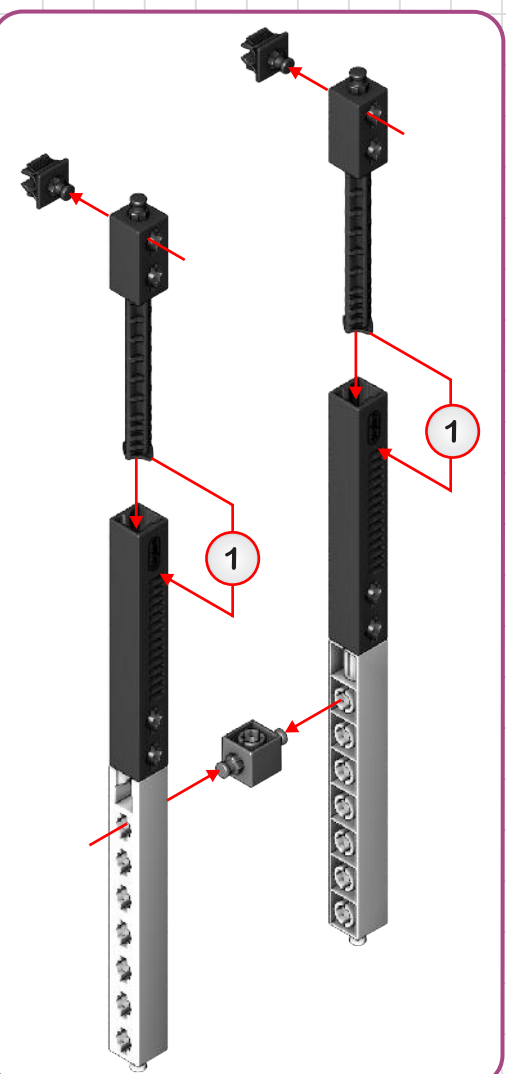
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05



1



18