

ERECTOR[™]

BY MECCANO[™]

ENGINEERING & ROBOTICS

18203



INCLUDES

MECCANO

RALLY RACER

10 IN 1

MODELS



8+

Instructions





CONSTRUCTION TIPS

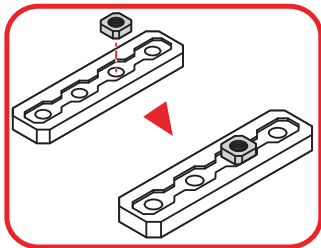
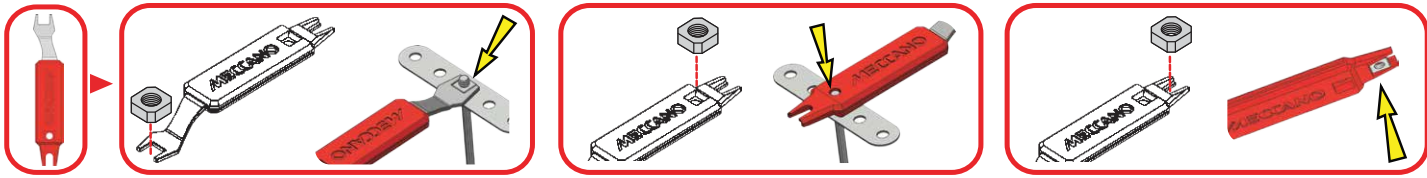
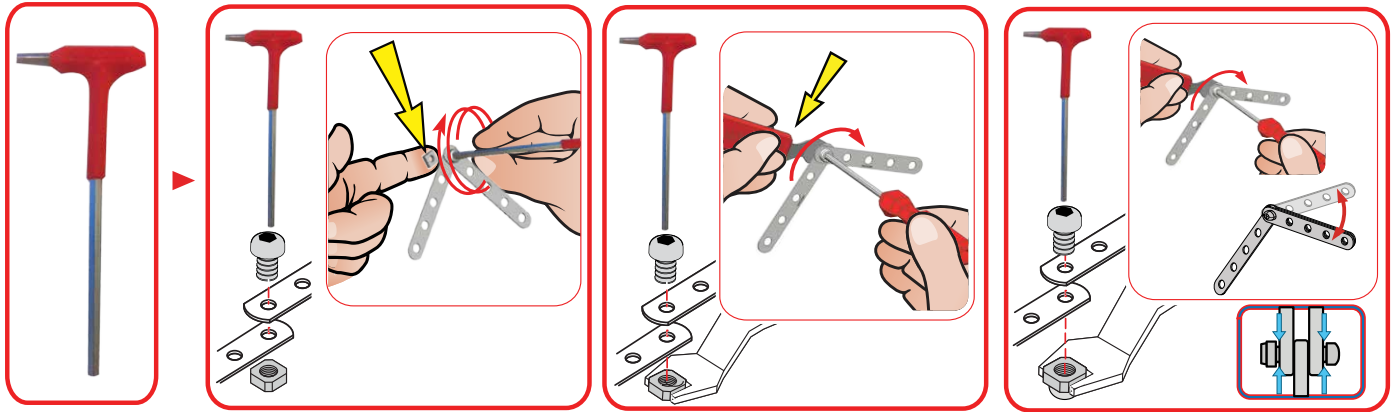


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5



13



22

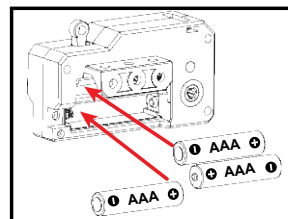
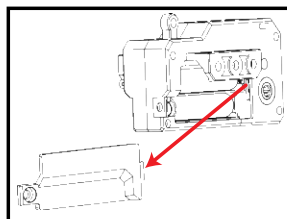
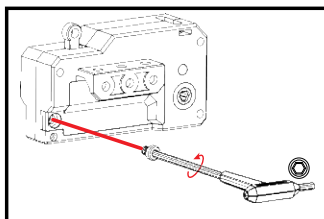
AVAILABLE ONLINE



Content: 159 parts, 2 real tools, 1 Meccablock™ motor and 1 instruction sheet for 3 models.

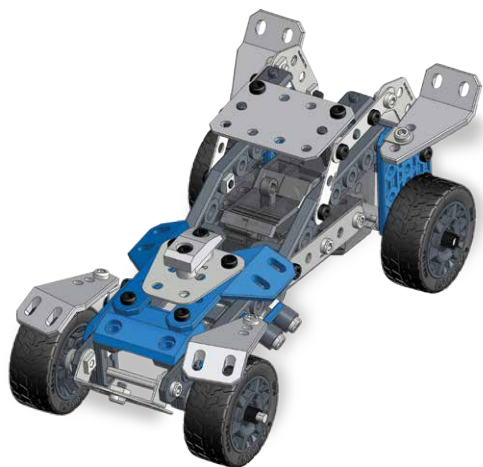
Building instructions for the 7 other models are available at www.meccano.com.

Only one model can be built at a time.

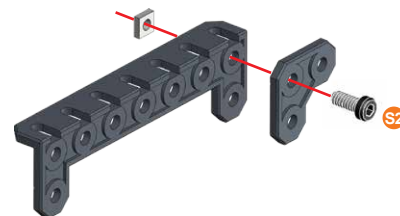
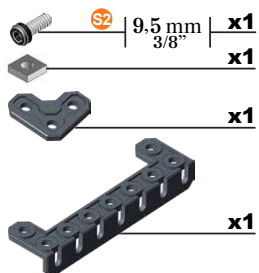


HOW TO INSTALL BATTERIES:

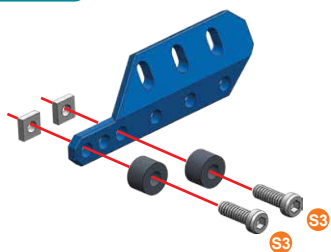
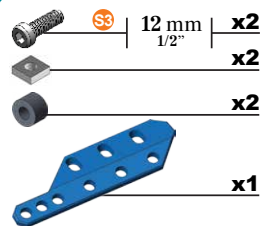
1. Open the battery door with a Meccano wrench.
2. If used batteries are present, remove these batteries from the unit by pulling up on one end of each battery.
DO NOT remove or install batteries using sharp or metal tools.
3. Install new batteries as shown in the polarity diagram (+/-) inside the battery compartment.
4. Replace battery door securely.
5. Check your local laws and regulations for correct recycling and/or battery disposal.



1

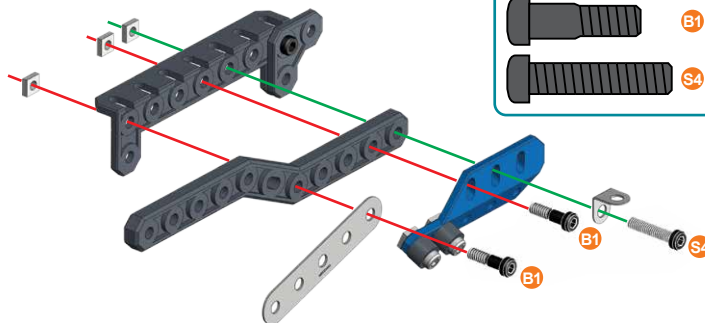
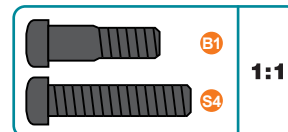
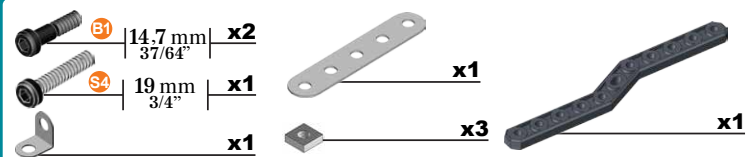


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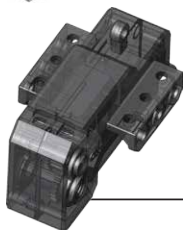
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①+②+

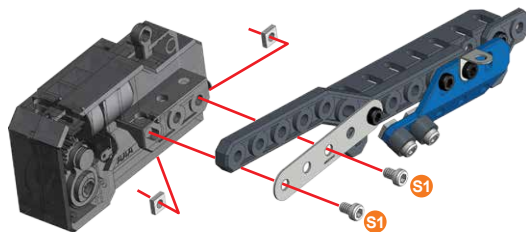


4

 **S1** | 5,8 mm | **x2**
 15/64" | **x2**




x1



S1 | **1:1**

5

 **S2** | 9,5 mm | **x3**
 3/8" | **x3**



x1



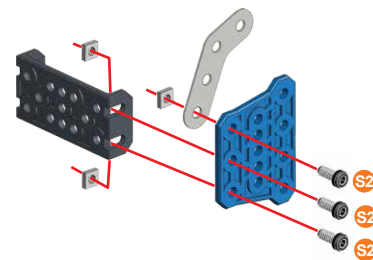
x1



x1



S2 | **1:1**



6

④+⑤+

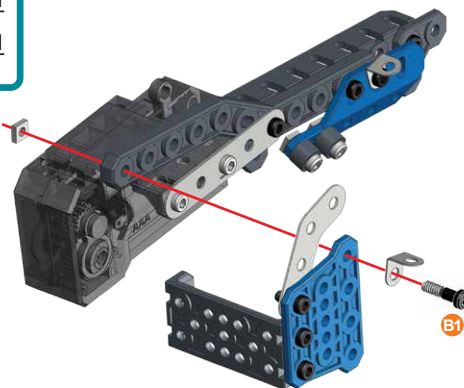
 **B1** | 14,7 mm | **x1**
 37/64" | **x1**



x1



B1 | **1:1**



7

 **S1** | 5,8 mm | **x1**
 15/64" | **x1**



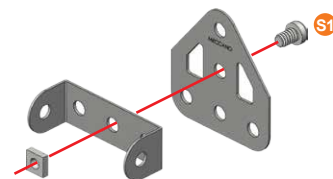
x1

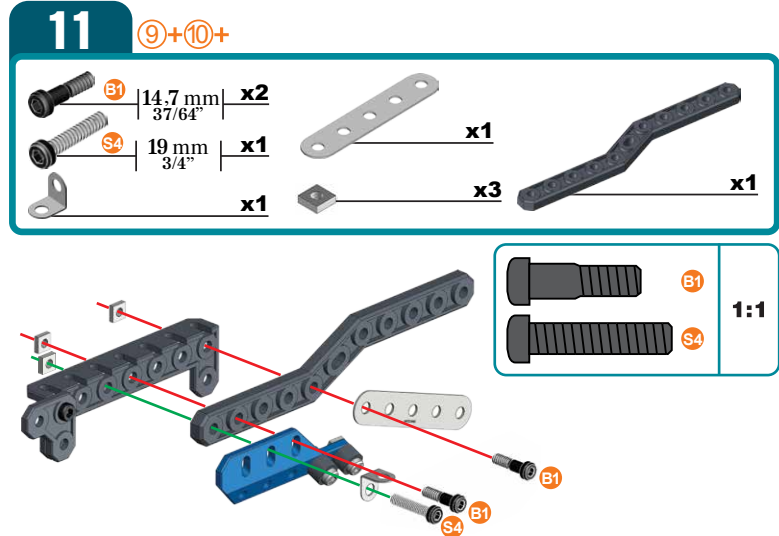
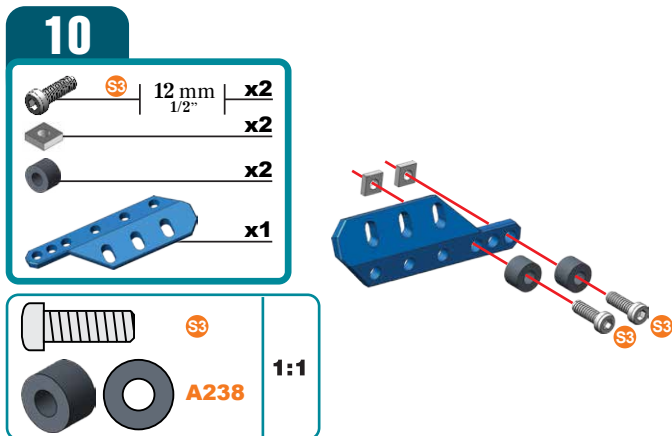
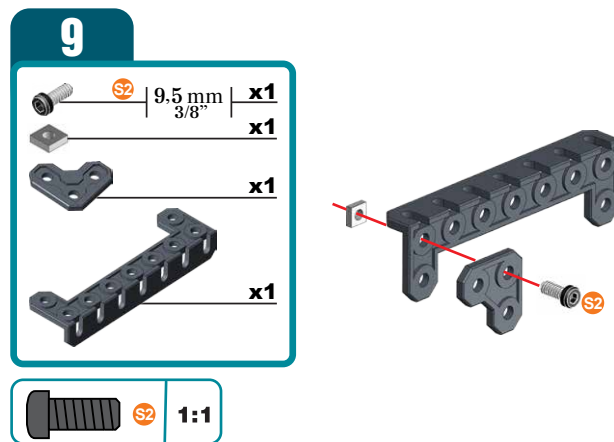
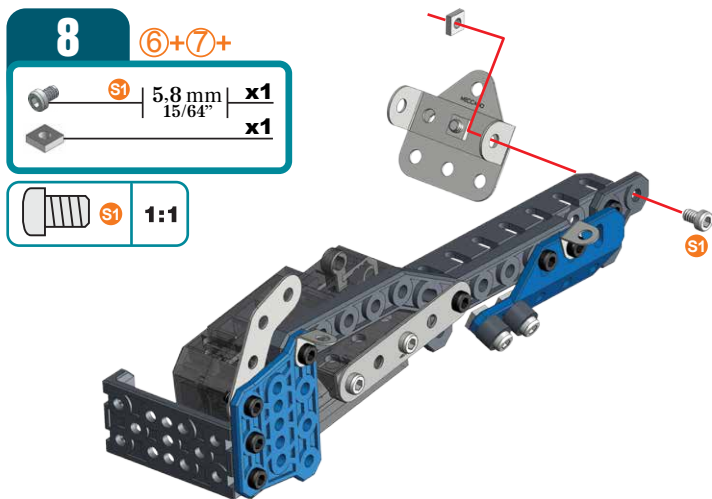


x1











S1 | **1:1**

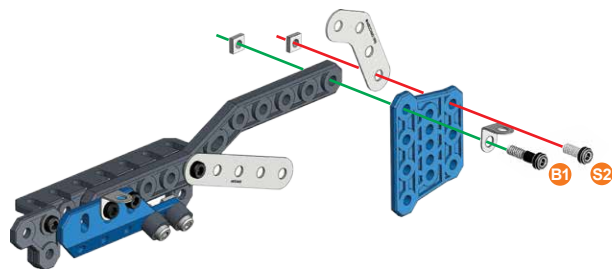




12




	9.5 mm 3/8"	x1
	14.7 mm 37/64"	x1
		x2
		x1
		x1
		x1

	S2	1:1
	B1	





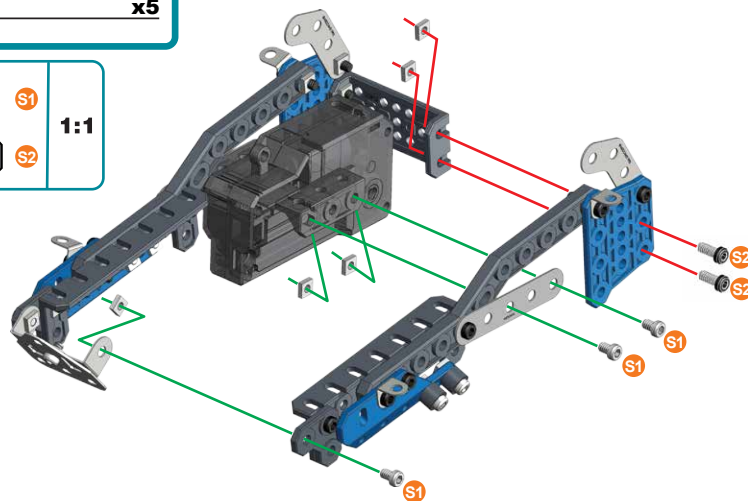
13

⑧+⑫+






	5.8 mm 15/64"	x3
	9.5 mm 3/8"	x2
		x5



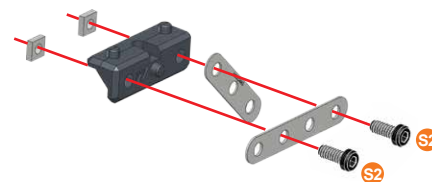
	S1	1:1
	S2	






14


	9.5 mm 3/8"	x2
		x2
		x1
		x1
		x1



	S2	1:1
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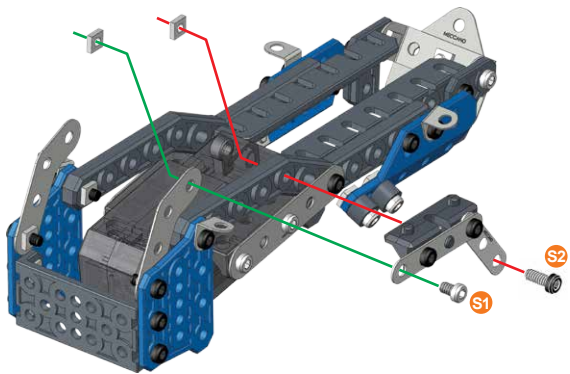


15






	S1	5.8 mm 15/64"	x1
	S2	9.5 mm 3/8"	x1
			x2




	S1	1:1
	S2	








16


	S2	9.5 mm 3/8"	x2
			x2
			x1
			x1
			x1

	S2	1:1
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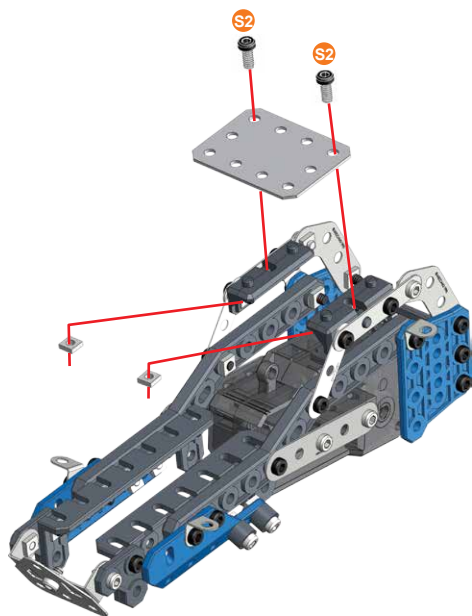
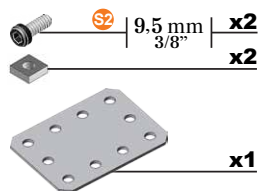
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	S1	5.8 mm 15/64"	x1
	S2	9.5 mm 3/8"	x1
			x2

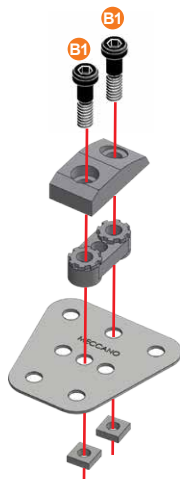
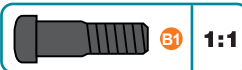
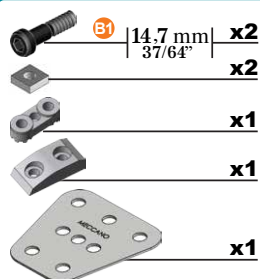
	S1	1:1
	S2	



18

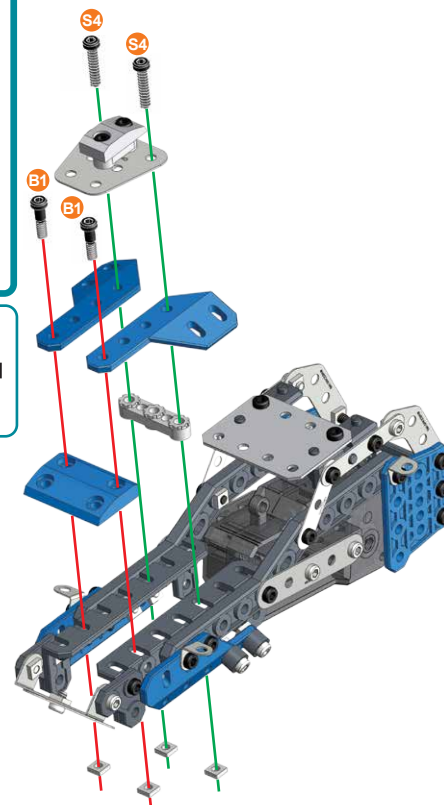
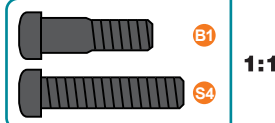
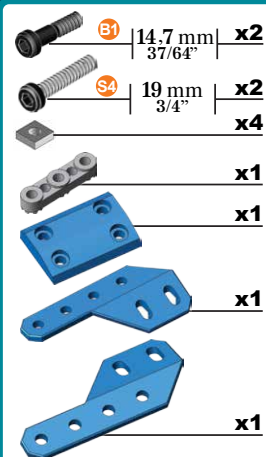


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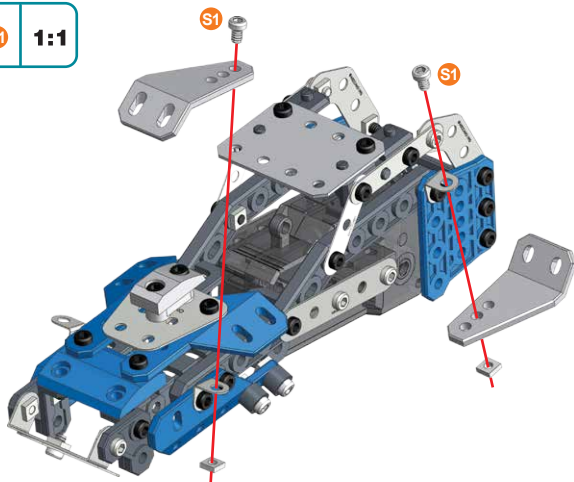
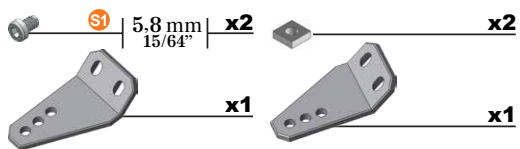


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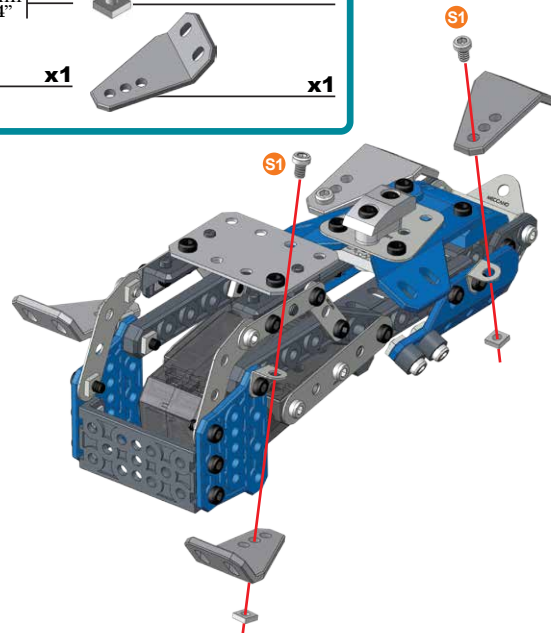
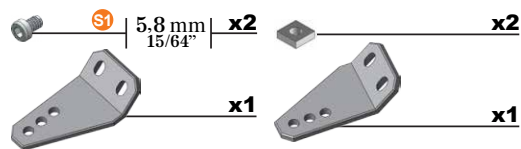
(18)+(19)+



21



22



23



x2

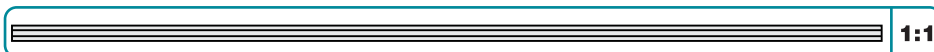
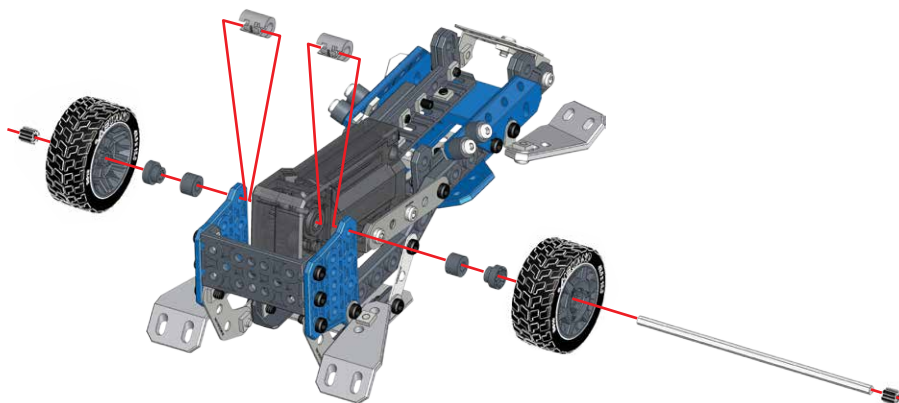
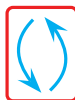
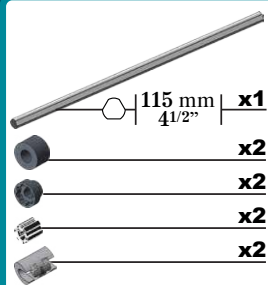


x2



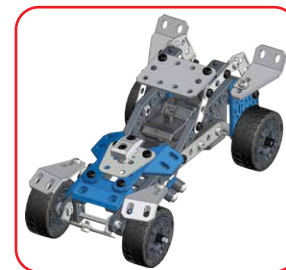
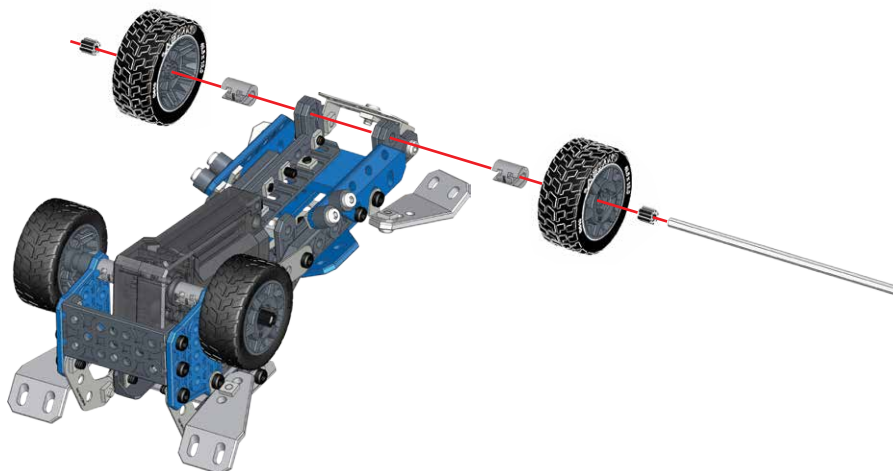
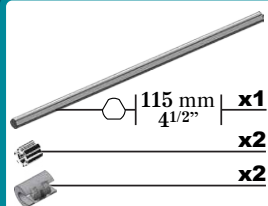
24

(22)+(23)+



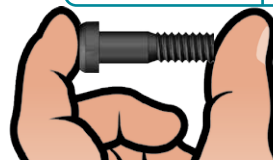
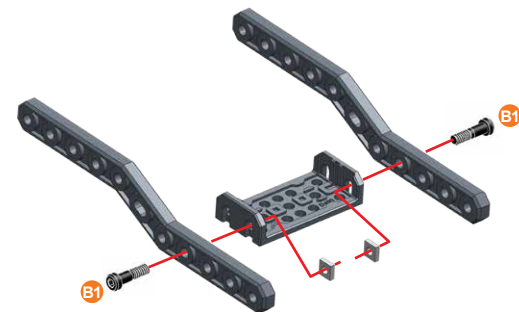
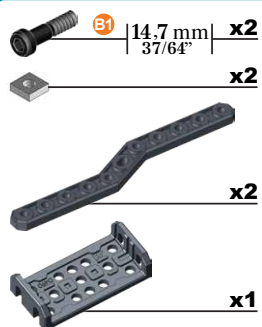
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(23)+(24)+

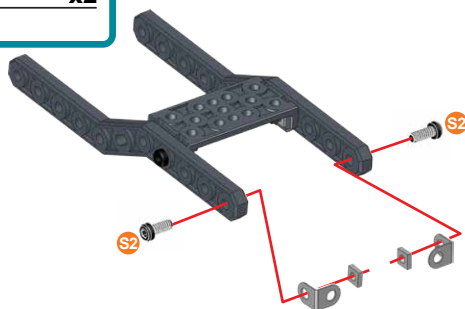
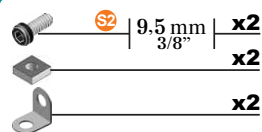




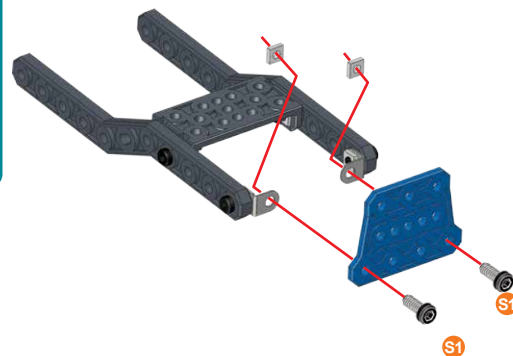
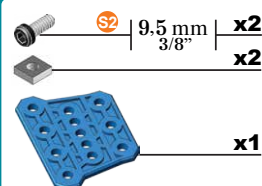
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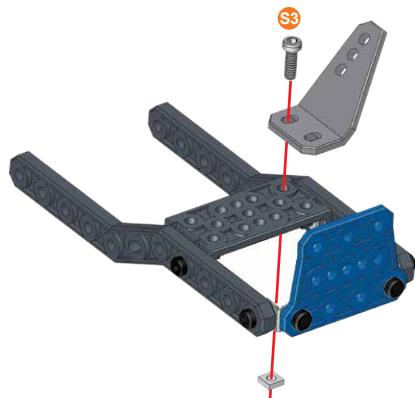
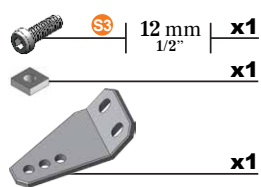
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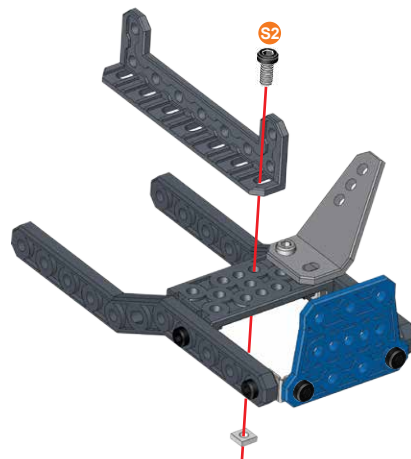
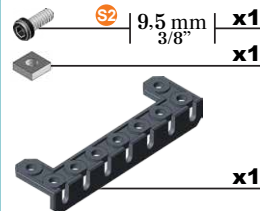
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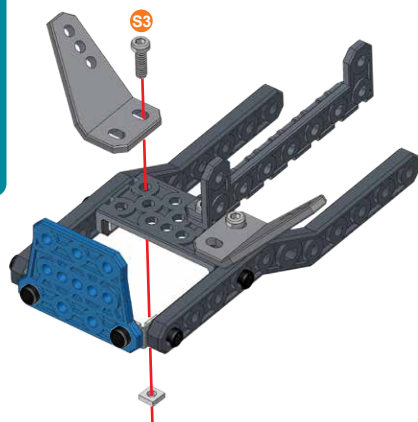
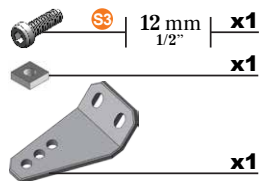
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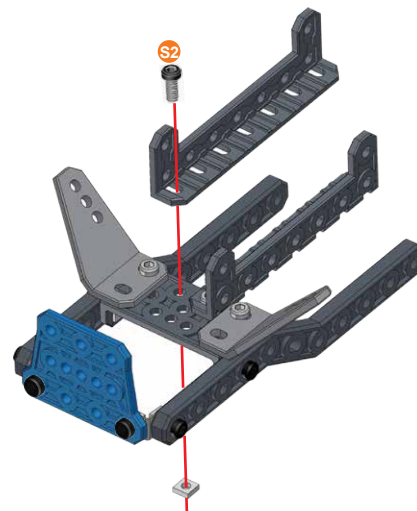
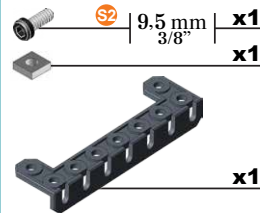
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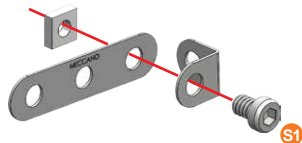


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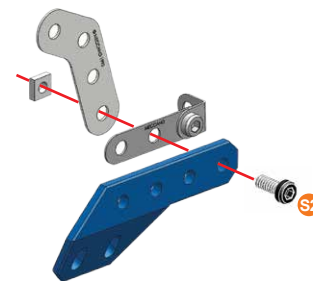
8

	S1	5,8 mm 15/64"	x1
			x1
			x1
			x1







9

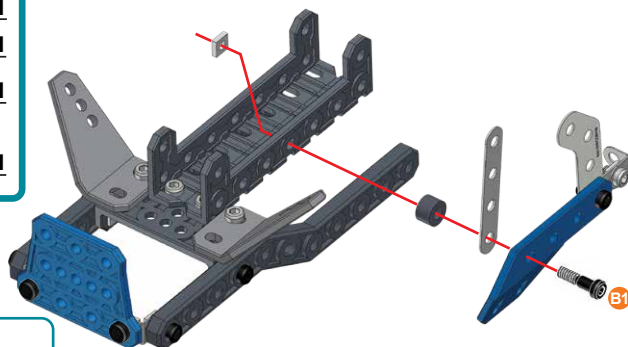
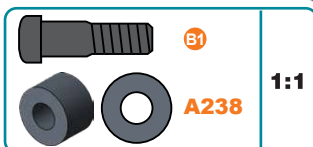
	S2	9,5 mm 3/8"	x1
			x1
			x1
			x1







10

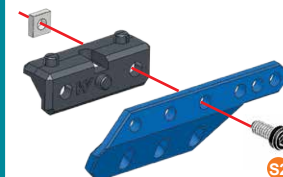
⑦+⑨+

	B1	14,7 mm 37/64"	x1
			x1
			x1
			x1







11

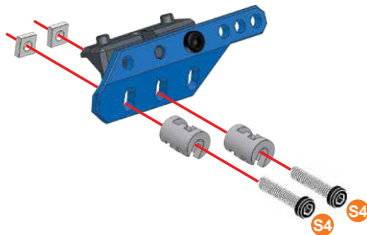
	S2	9,5 mm 3/8"	x1
			x1
			x1
			x1



12



	19 mm 3/4"	x2
		x2
		x2


	1:1
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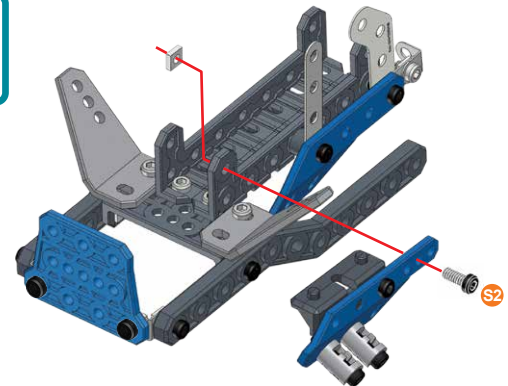


13





10+12+


	9,5 mm 3/8"	x1
		x1

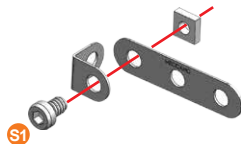
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14


	5,8 mm 15/64"	x1
		x1
		x1
		x1

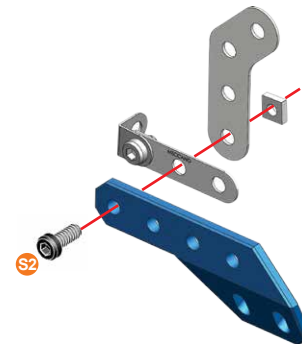
	1:1
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15

	9,5 mm 3/8"	x1
		x1
		x1
		x1

	1:1
---	-----

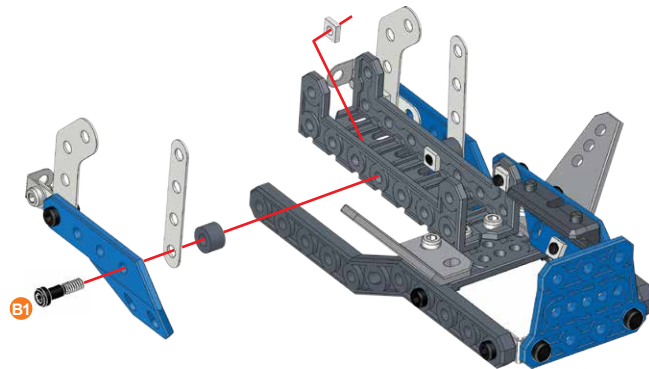


16







13+15+

	14.7 mm 37/64"	x1
		x1
		x1
		x1

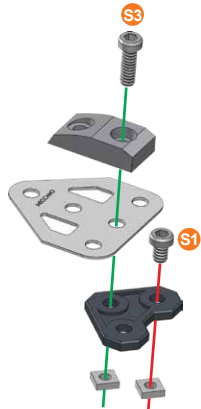
	B1	1:1
	A238	



17

	5.8 mm 15/64"	x1
	12 mm 1/2"	x1
		x2
		x1
		x1
		x1

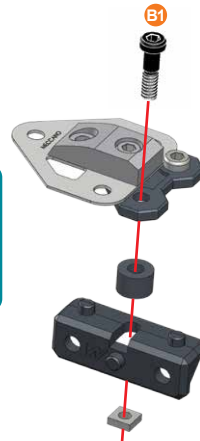
	S3	1:1
	S1	






18

	14.7 mm 37/64"	x1
		x1
		x1
		x1

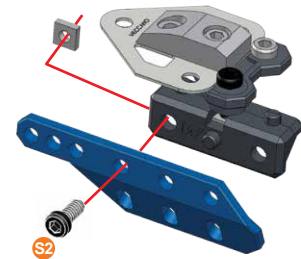
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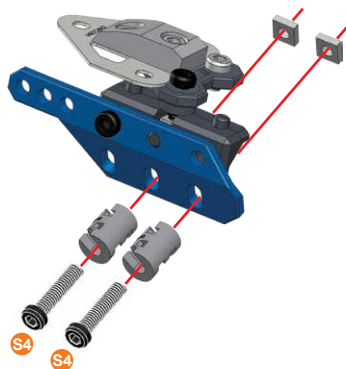
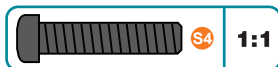
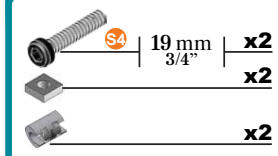
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	9.5 mm 3/8"	x1
		x1
		x1

	S2	1:1
---	----	-----

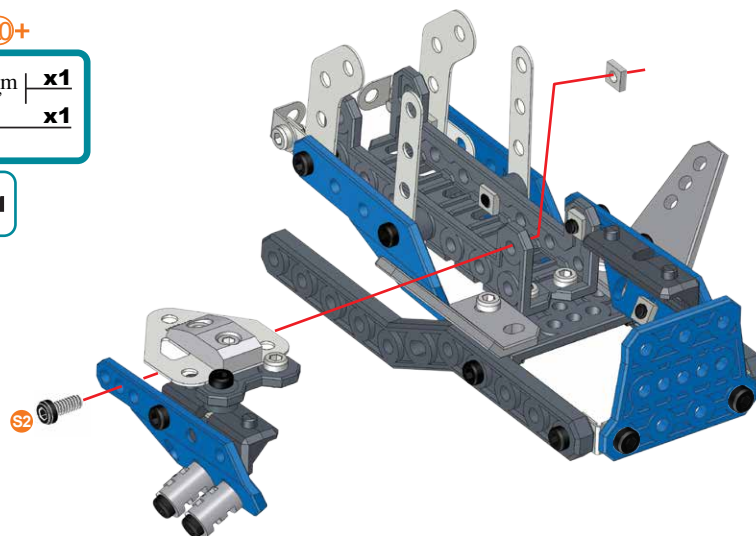
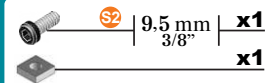


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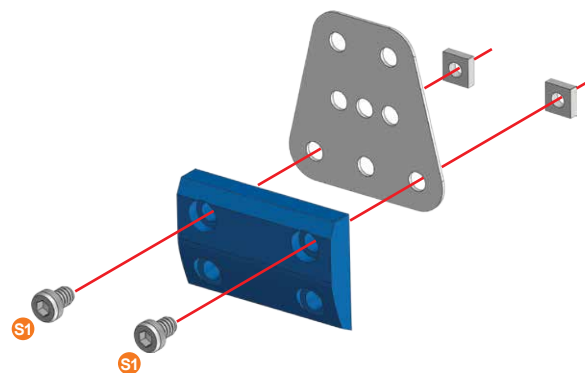
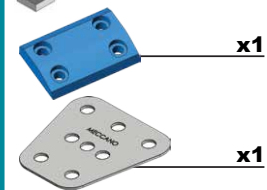
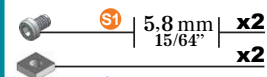


21

16+20+



22

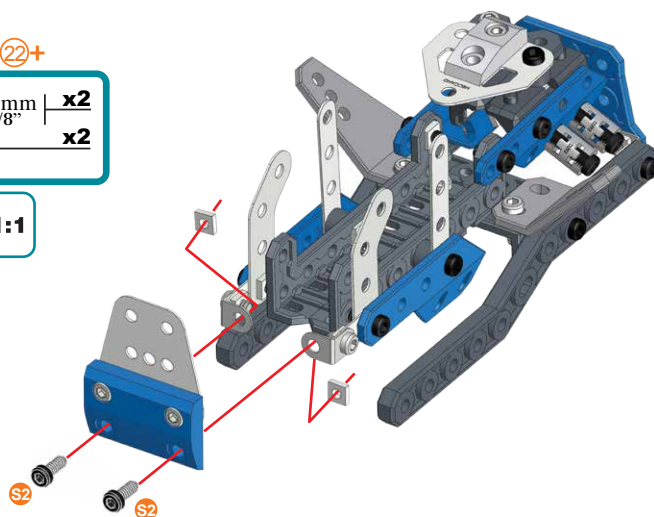


23




(21)+(22)+

 **S2** | 9,5 mm | **x2**
 **x2**

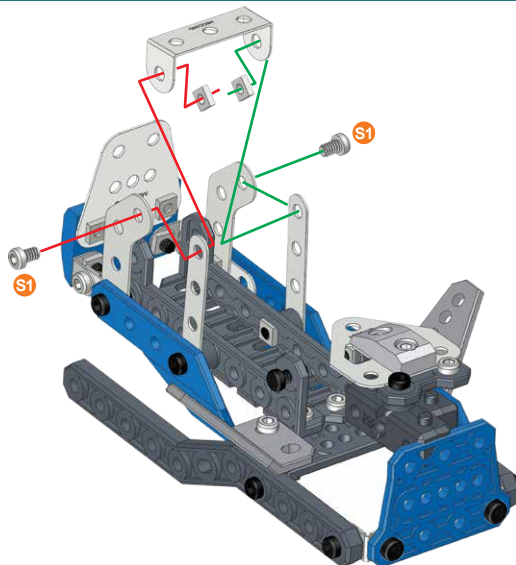
 **S2** | **1:1**






24

 **S1** | 5,8 mm | **x2**
 **x2**
 **x1**

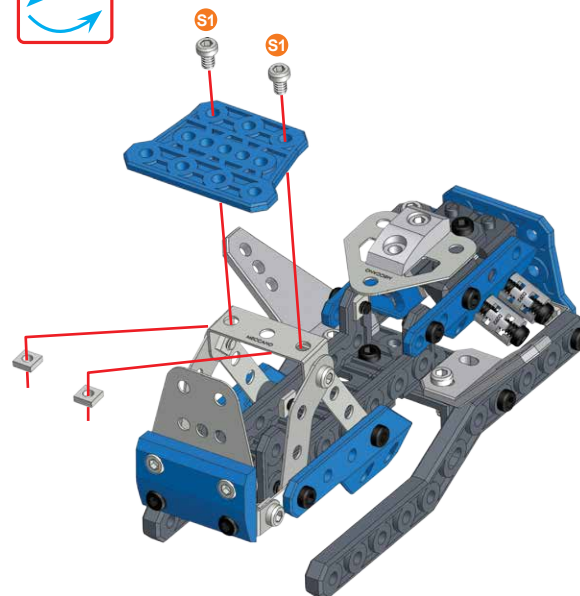
 **S1** | **1:1**



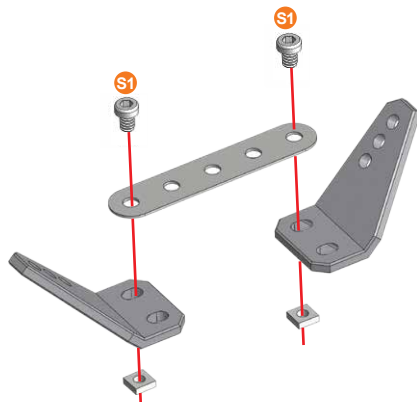
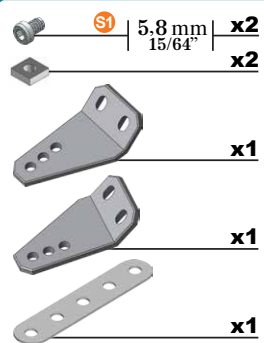
25

 **S1** | 5,8 mm | **x2**
 **x2**
 **x1**

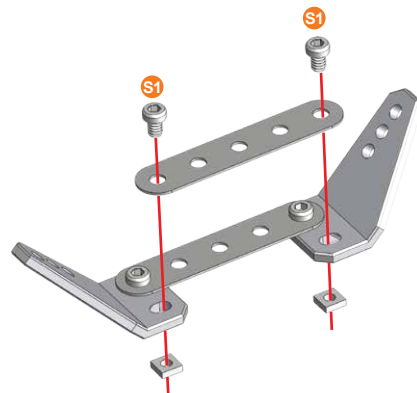
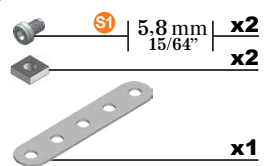
 **S1** | **1:1**



26

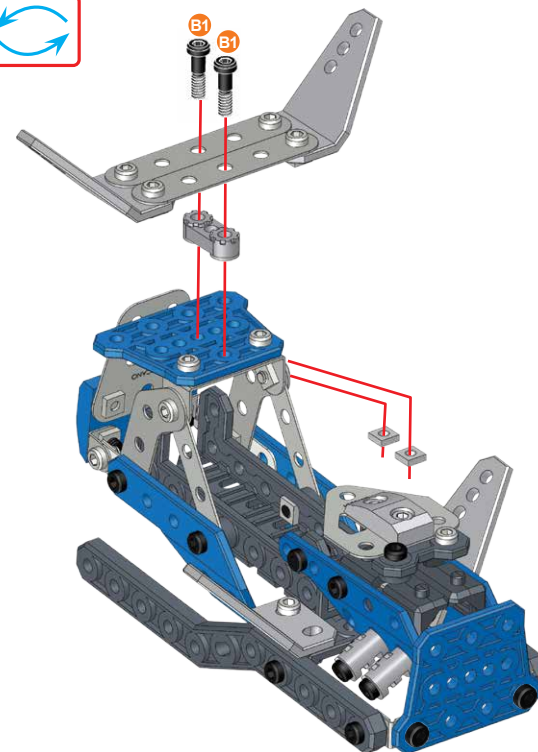
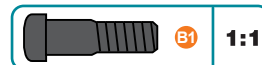
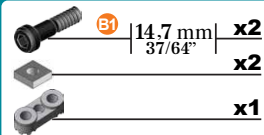


27



28

25+27+



29



x2

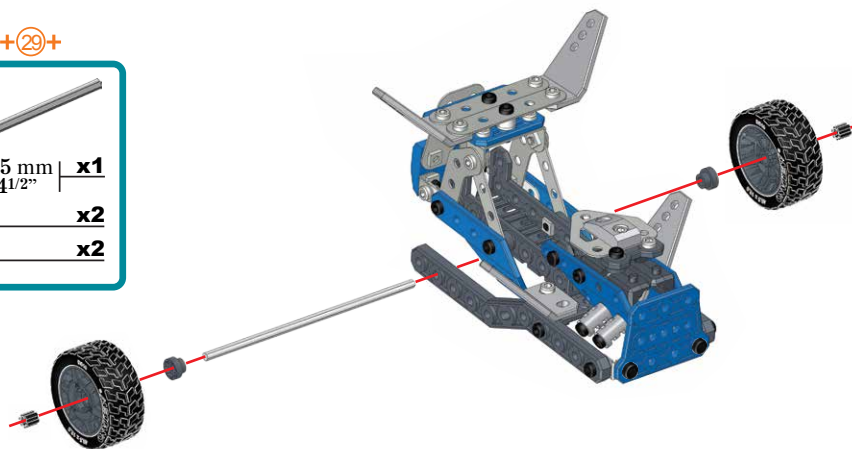
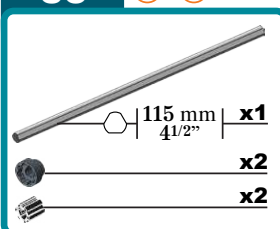


x2



30

(28)+(29)+



1:1

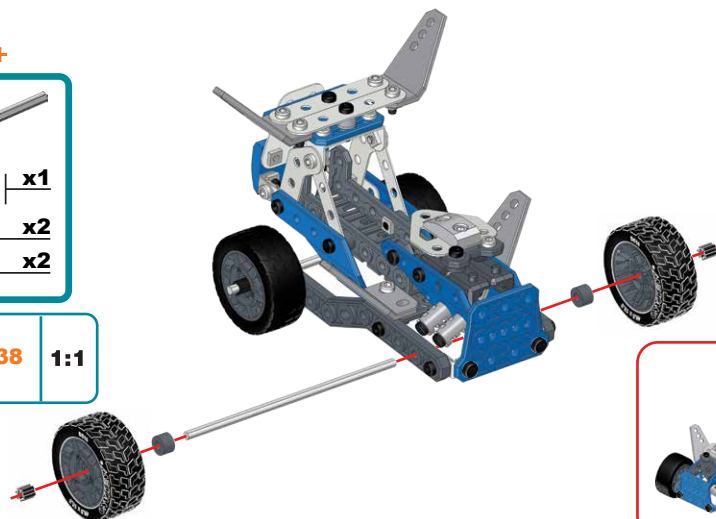
31

(29)+(30)+




























A238

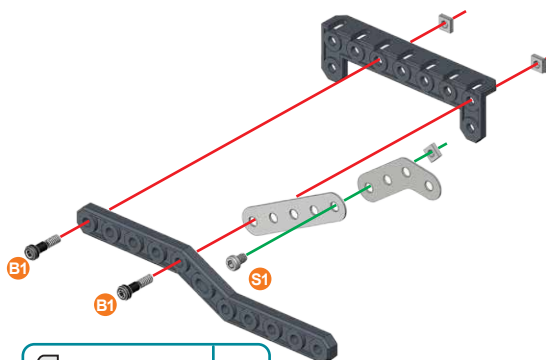
1:1







1











































	S1	5.8 mm	x1
	B1	14.7 mm	x2
		37/64"	x3
			x1
			x1
			x1
			x1
			x1
			x1
			x1
			x1
			x1
			x1
			x1
			x1
			x1
			x1
			x1
			x1
			x1
			x1
			x1
			x1
			x1
			x1





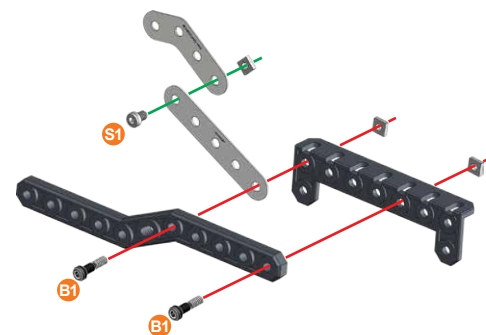
	S1	1:1
	B1	



2

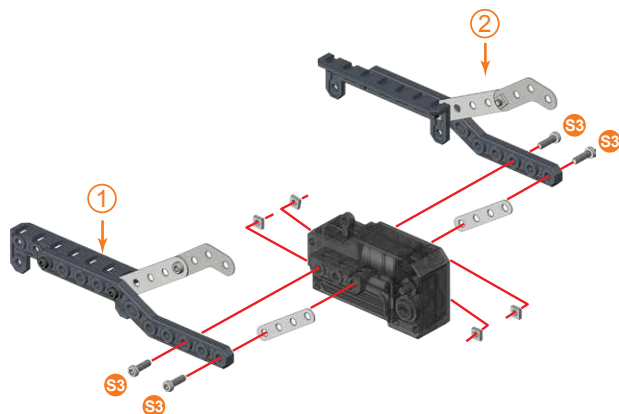
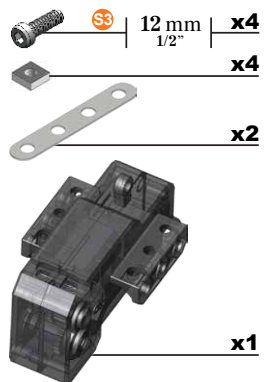
	S1	5.8 mm	x1
	B1	14.7 mm	x2
		37/64"	x3
			x1
			x1
			x1
			x1
			x1
			x1
			x1
			x1
			x1
			x1
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			x1
			x1
			x1
			x1
			x1
			x1
			x1
			x1

	S1	1:1
	B1	

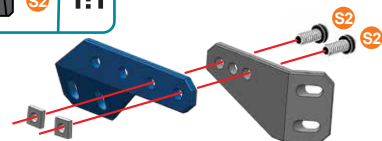
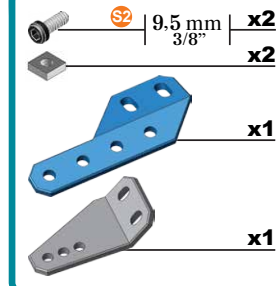


3

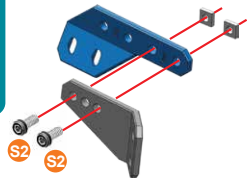
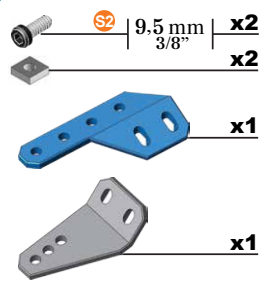
①+②+



4

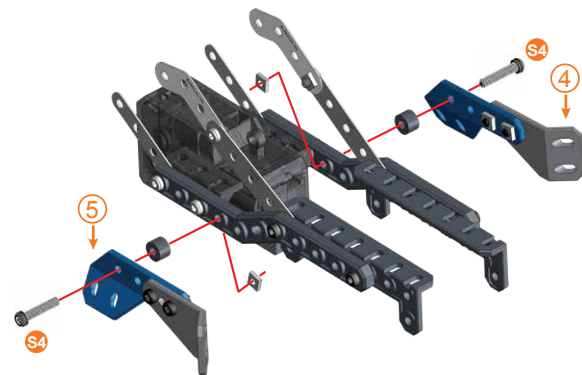
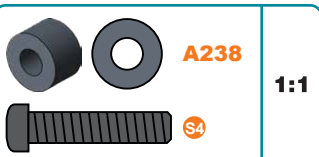
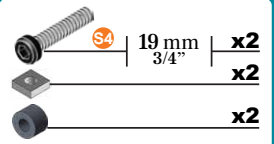


5

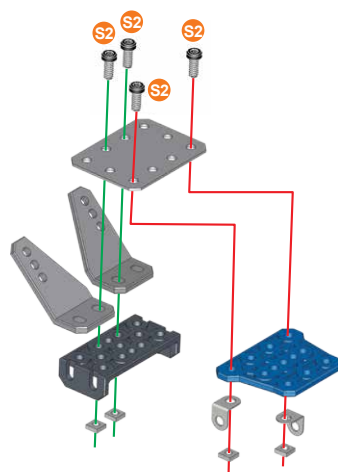
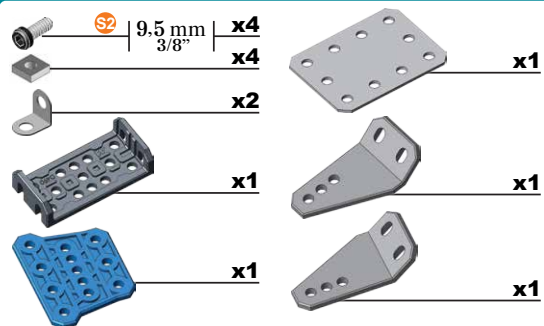


6

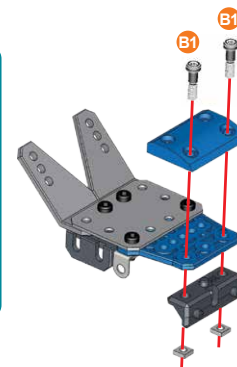
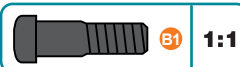
④+⑤+



7

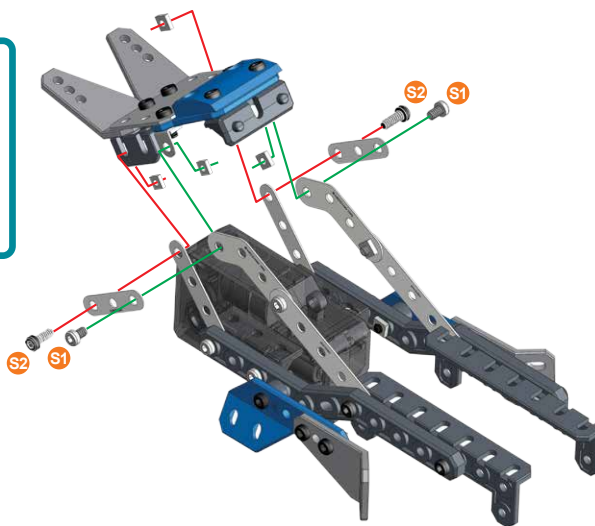
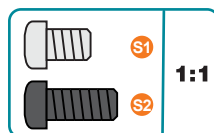
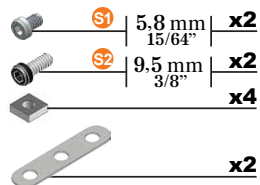


8

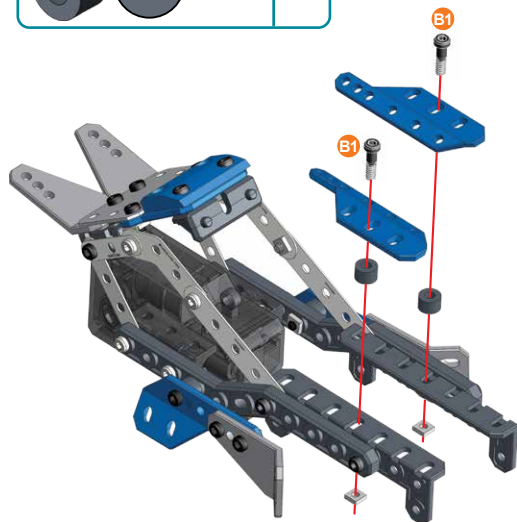
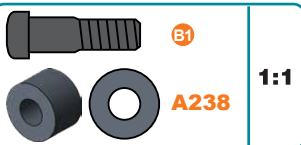
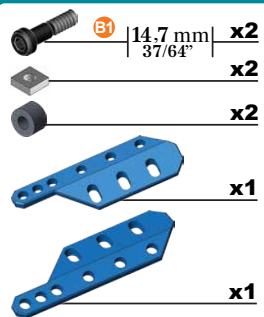


9

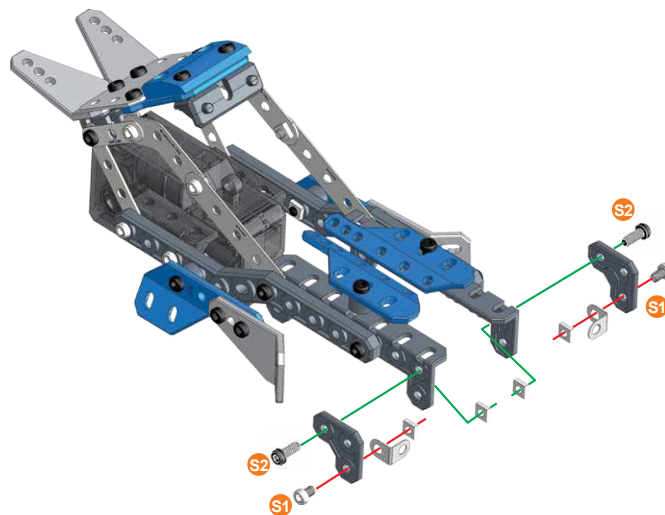
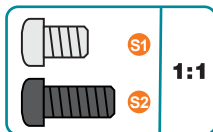
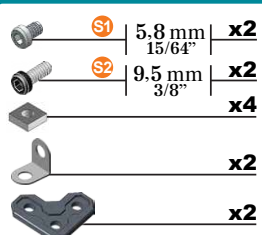
⑥+⑧+



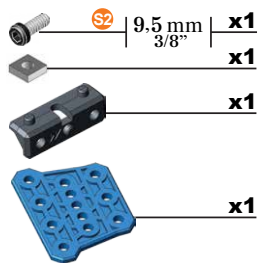
10



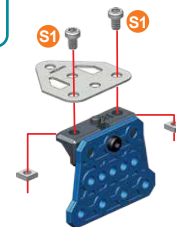
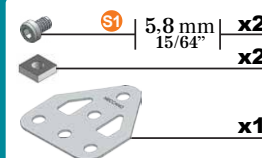
11







12



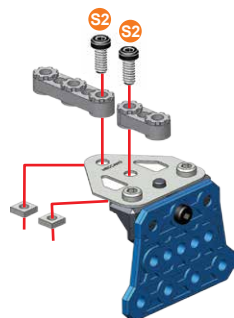
13





14

	S2	9.5 mm 3/8"	x2
			x2
			x1
			x1

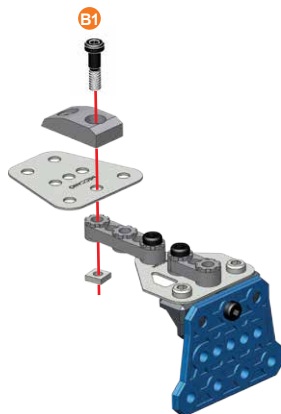
	S2	1:1
---	----	-----



15



	B1	14.7 mm 37/64"	x1
			x1
			x1
			x1

	B1	1:1
---	----	-----

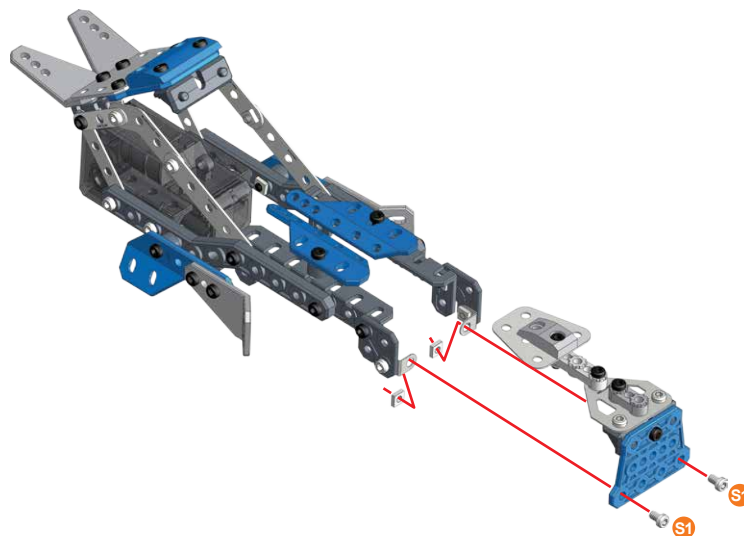


16

(11)+(15)+

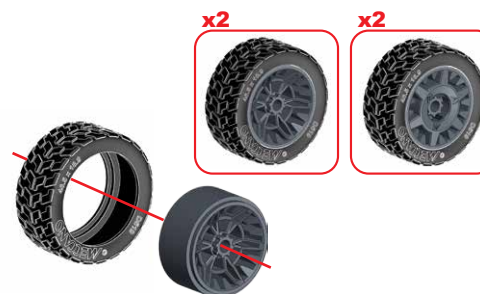
	S1	5.8 mm 15/64"	x2
			x2

	S1	1:1
---	----	-----



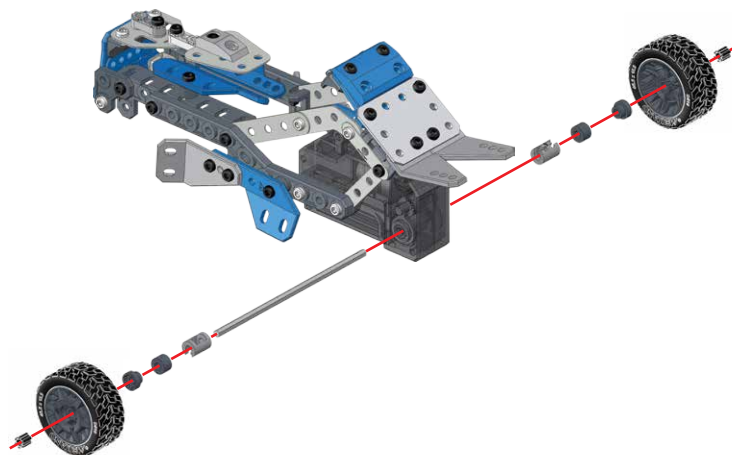
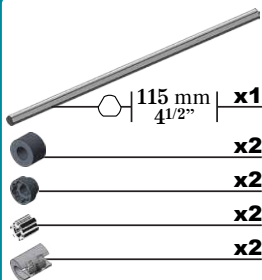
17

		x4
		x4



18

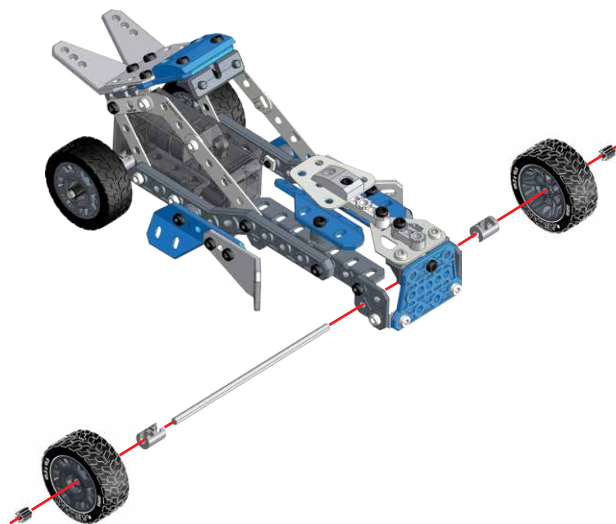
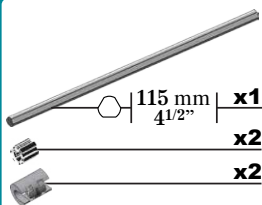
(16)+(17)+




1:1

19


(17)+(18)+




 **A337 x47**

 **C330 x4**

 **A238 x6**

 **A444 x2**

 **C867 x4**

 **D292 x4**

 **C868 x1**

 **D496 x1**


 **A420 x1**


 **D373 x2**


 **D101 x2**


 **D490 x1**

 **D406 x2**

 **D073 x2**

 **D072 x2**

 **A127 x1**


 **D515 x1**


 **D444 x1**


 **D518 x4**

 **D519 x4**


 **D358 x2**


 **D377 x1**


 **D472 x2**


 **D051 x1**


 **D052 x1**


 **D252 x1**


 **D250 x1**


 **D468 x1**

 **S1** | 5,8 mm | **A637 x13**
15/64"

 **S2** | 9,5 mm | **A511 x16**
3/8"

 **S3** | 12 mm | **A411 x4**
1/2"

 **B1** | 14,7 mm | **A247 x10**
37/64"

 **S4** | 19 mm | **A911 x4**
3/4"

 | 115 mm | **A427 x2**
4 1/2"

 **A233 x2**


 **A248 x1**

 **A416 x2**

 **A417 x2**

 **A105 x2**

 **C995 x1**

 **D499 x1**



Requires 3 x 1.5V AAA (LR03) batteries (not included). Batteries or battery packs must be recycled or disposed of properly. When this product has reached the end of its useful life it should not be disposed of with other household waste. The Waste Electrical and Electronic Equipment Regulations require it to be separately collected so that it can be treated using the best available recovery and recycling techniques. This will minimize the impact on the environment and human health from soil and water contamination by any hazardous substances, decrease the resources required to make new products and avoid using up landfill space. Please do your part by keeping this product out of the municipal waste stream! The "wheelie bin" symbol means that it should be collected as "waste electrical and electronic equipment". You can return an old product to your retailer when you buy a similar new one. For other options, please contact your local council.

Remove all packaging before use. Retain this information, addresses and phone numbers for future reference. Content may vary from pictures. An adult should periodically check this toy to ensure no damage or hazards exist, if so, remove from use. Children should be supervised during play. Adult supervision advised. Meccano reserves the right to discontinue use of the www.meccano.com website at any time.

BATTERY SAFETY INFORMATION: Requires 3 x 1.5V AAA (LR03) batteries (not included). Batteries are small objects. Replacement of batteries must be done by adults. Follow the polarity (+/-) diagram in the battery compartment. Promptly remove dead batteries from the toy. Dispose of used batteries properly. Remove batteries for prolonged storage. Only batteries of the same or equivalent type as recommended are to be used. DO NOT incinerate used batteries. DO NOT dispose of batteries in fire, as batteries may explode or leak. DO NOT mix old and new batteries or types of batteries (i.e. alkaline/standard/rechargeable). Using rechargeable batteries is not recommended due to possible reduced performance. Rechargeable batteries are only to be charged under adult supervision. Replaceable-rechargeable batteries are to be removed from the toy before being charged. DO NOT recharge non-rechargeable batteries. DO NOT short-circuit the supply terminals.

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The toy is not to be connected to more than the recommended number of power supplies.



DO NOT RETURN TO THE STORE.

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SPIN MASTER LTD., 450 FRONT STREET WEST,
TORONTO, ON M5V 1B6 CANADA.

Spin Master Inc., PMB #10053, 300 International Drive,
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Meccano: 363, avenue de Saint-Exupéry
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