

Armbot IQ Build Instructions Instructions de Construction de Armbot IQ



Table of Contents

Table des Matières

i	VEX IQ Assembly Tips Conseils d'Assemblage VEX IQ	3
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1	Armbot IQ	4
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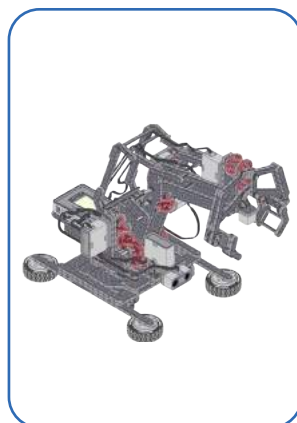
Build Steps 1-123 **Étapes de Construction**

2	Armbot IQ with Sensors Armbot IQ avec Capteurs	38
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Build Steps 124-132 **Étapes de Construction**

3	Appendix A: Modification for Pre-Summer 2014 Kits Annexe A: Modification de Pré-Été 2014 Kits	40
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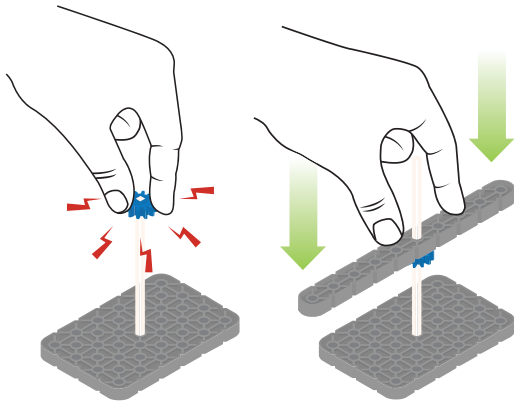


In the summer of 2014, VEX IQ kits were updated with new shafts and structural pieces. The Armbot IQ was designed using these additional parts. If you have a pre-summer 2014 kit containing maroon gears instead of blue, simply substitute the modified steps to build the Armbot IQ.

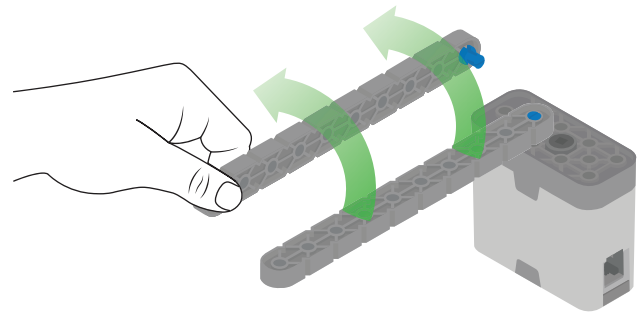
En l'été 2014, les trousse de QI VEX ont été mis à jour avec de nouveaux arbres et des pièces structurales. Si vous avez une trousse pré-été 2014 contenant des équipements de couleurs bordeaux au lieu du bleu, il suffit de remplacer les étapes modifiées pour construire le Armbot IQ.

4	Drive Instructions Mode d'Emploi du Disque	45
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VEX IQ Assembly Tips: Conseils d'Assemblage VEX IQ: i

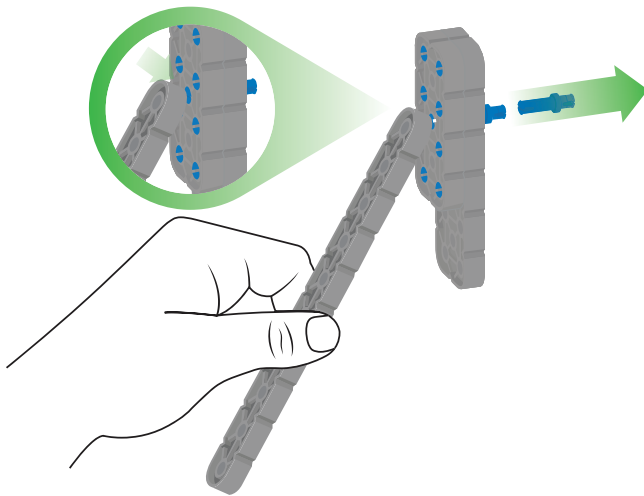


Use a 1x Beam for extra leverage when mounting small VEX IQ elements on shafts.
Utiliser une poutre pour aider à installer un petit élément VEX IQ sur un axe.

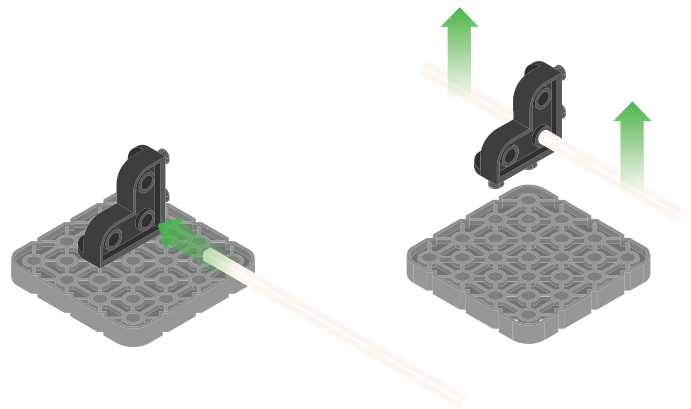


Connector Pins can be smoothly removed from Smart Motors, Sensors, or Robot Brains using a 1x Beam. Put the 1x Beam onto the pin and twist the Beam while pulling outward.

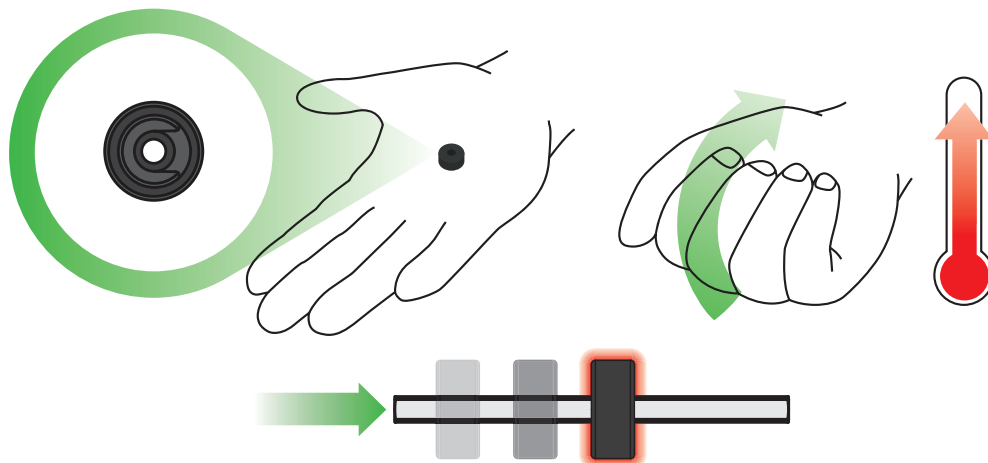
Les connecteurs peuvent être facilement retirés des moteurs Smart, Capteurs, ou Cerveau du robot en utilisant une poutre. Placer la poutre sur le connecteur et tourner la poutre en tirant vers l'extérieur.



Quickly remove Connector Pins by pressing a VEX IQ Beam against the back of the Pin and pulling it out.
Pousser doucement le connecteur avec une poutre VEX IQ à l'arrière du connecteur pour le libérer.



Easily remove Corner Connectors by placing a metal shaft through one of the holes and pulling outward.
Retirer facilement un connecteur d'angle en plaçant un axe dans un des trous et en tirant vers l'extérieur.



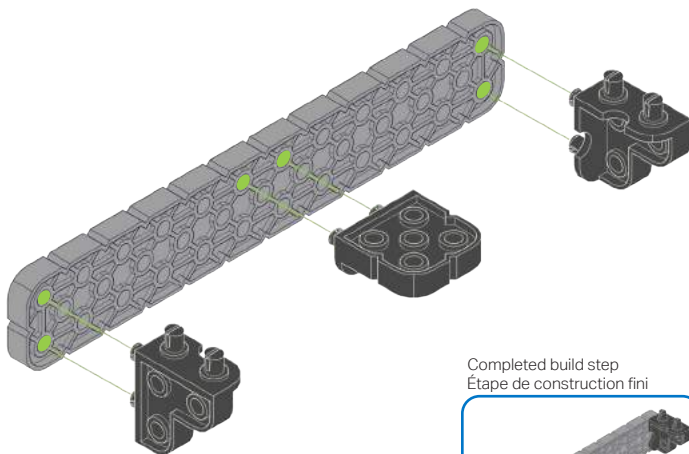
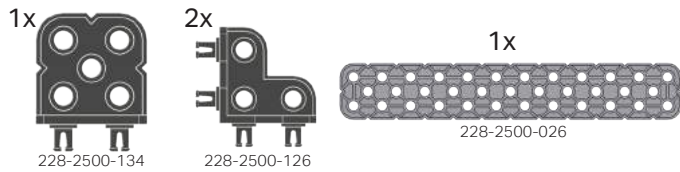
Rubber Shaft Collars become softer and easier to install if they are warmed by holding them in your hand for 15-30 seconds.

Les butées en caoutchouc deviennent plus souple et plus facile à installer s'ils sont réchauffés en les tenant dans votre main pendant 15-30 secondes.

1 Armbot IQ

1

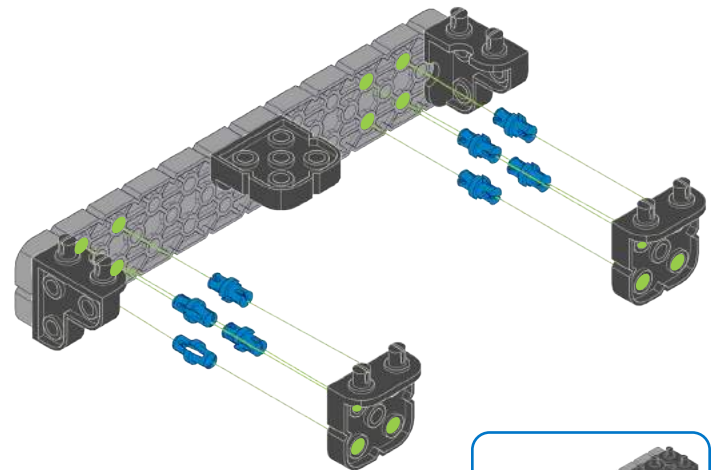
Required parts
Pièces requises



2

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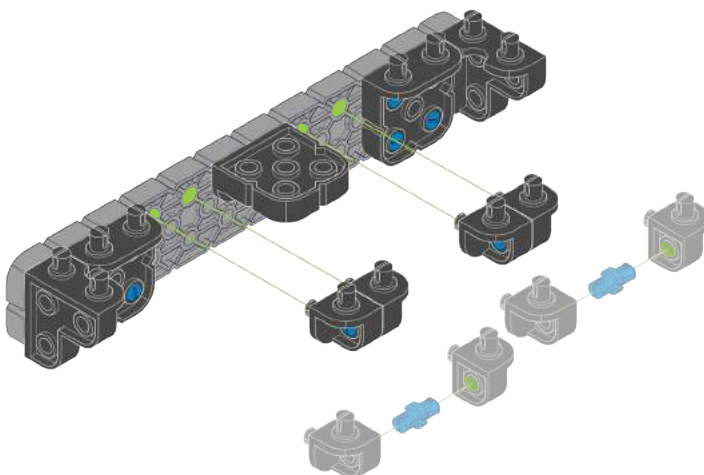
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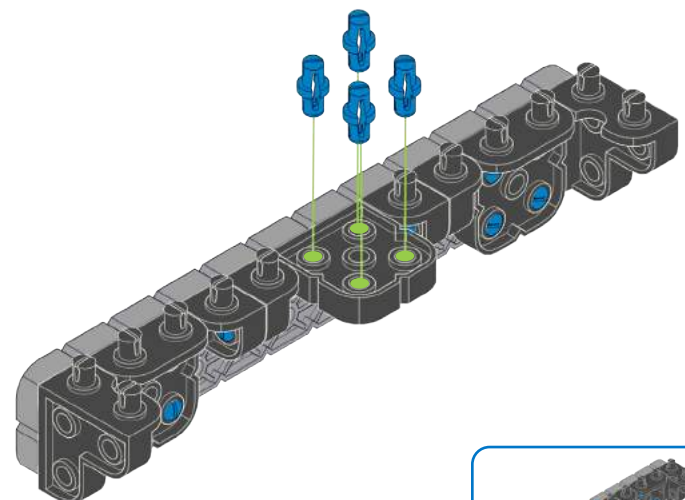
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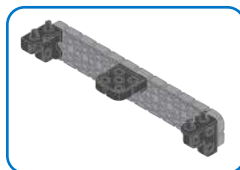
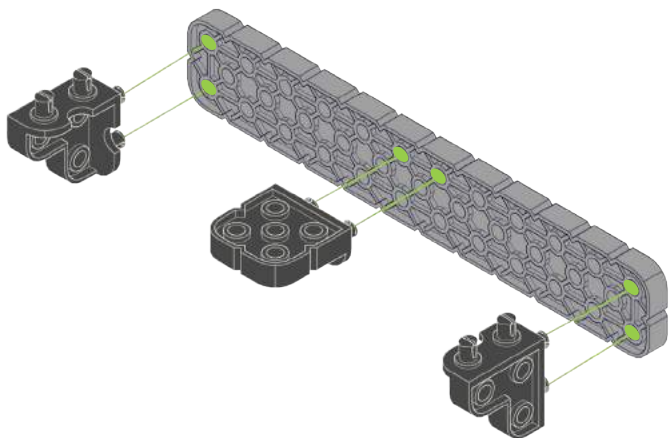
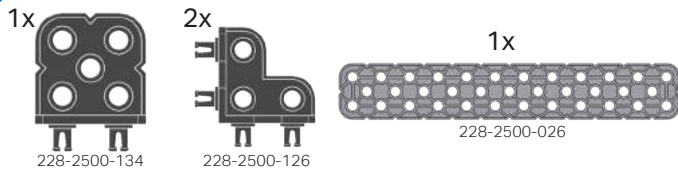
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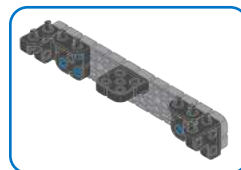
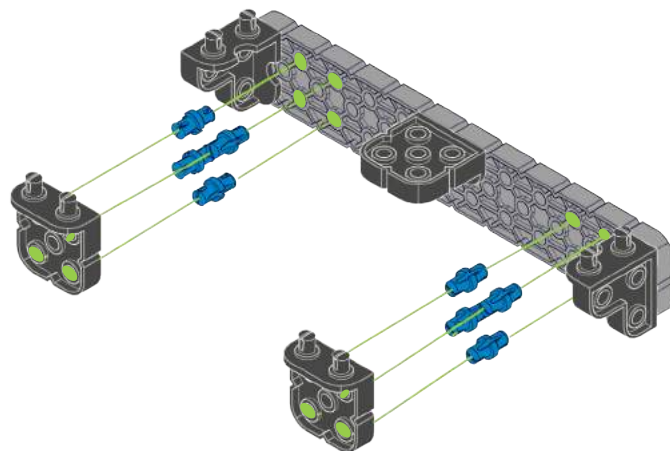
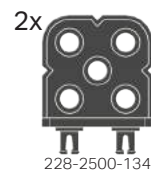
Maroon gears reference Section 3 (Pre-Summer 2014)
Section 3 pour référence d'équipements bordeaux (Pré-Été 2014 Kits)



6

6

8x 228-2500-060

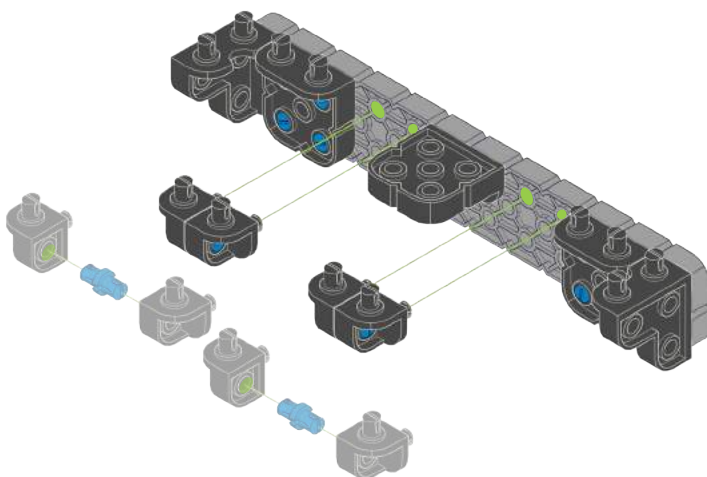


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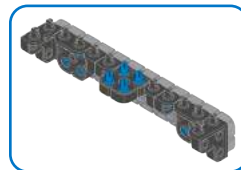
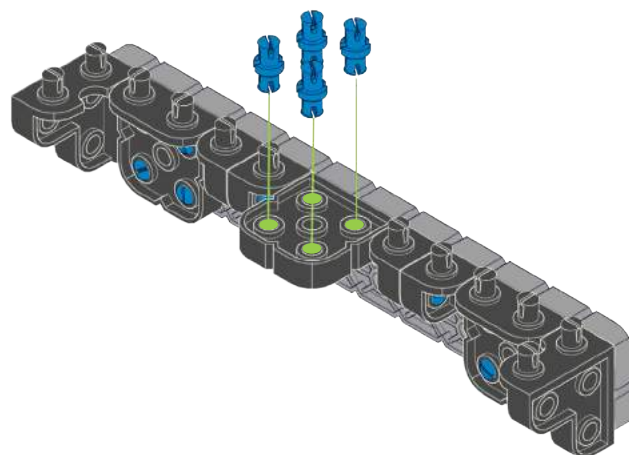
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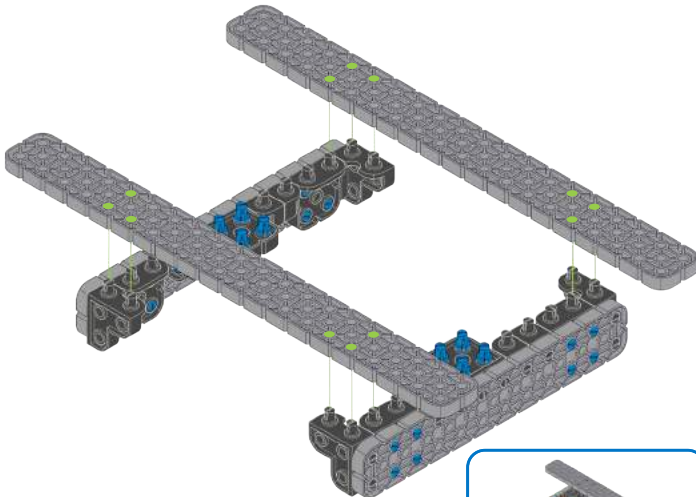
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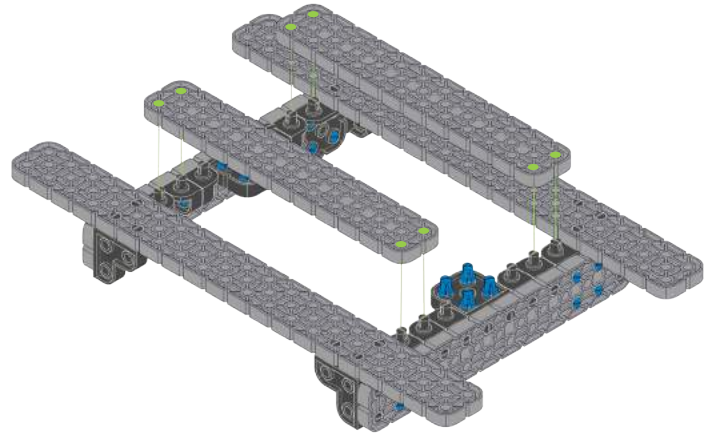
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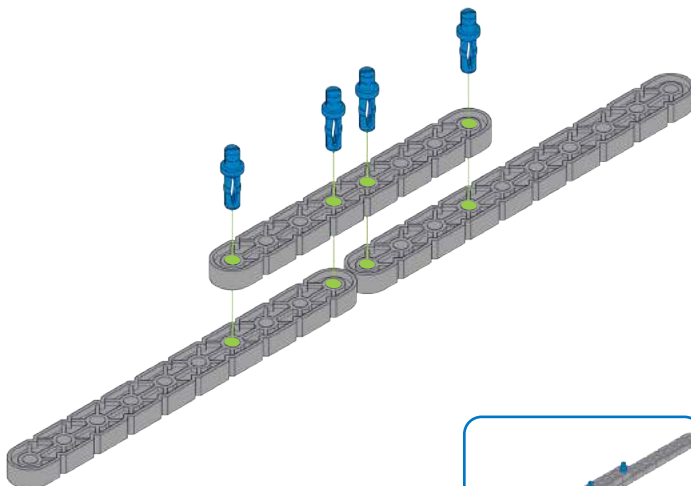
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2x

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1x

228-2500-007



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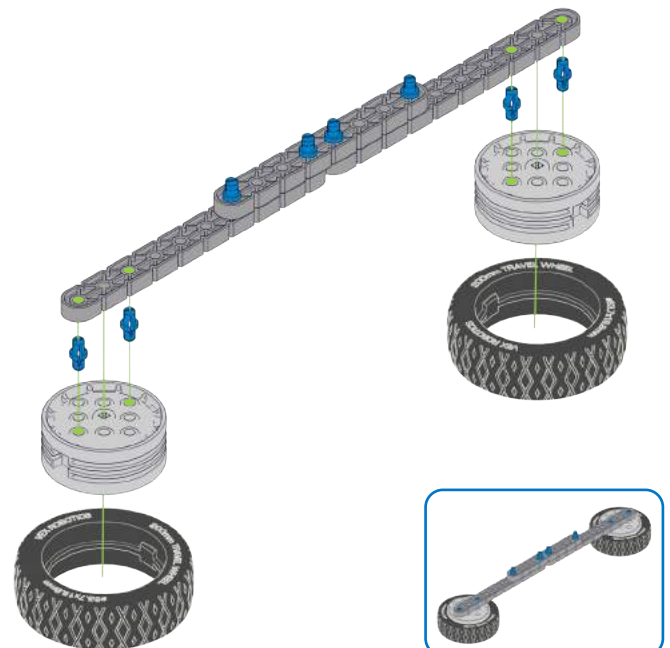
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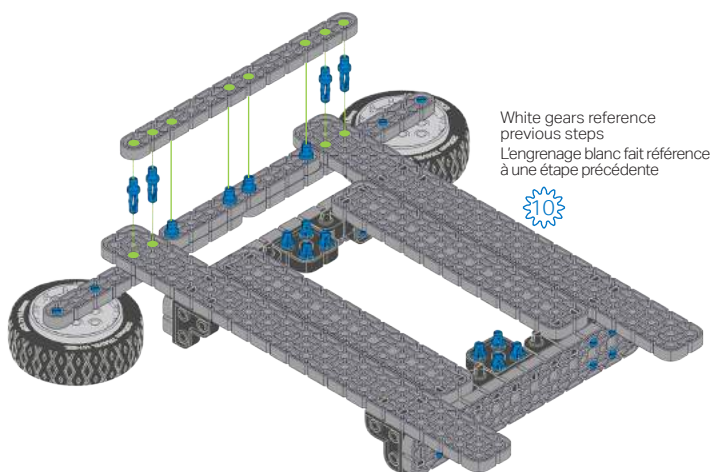
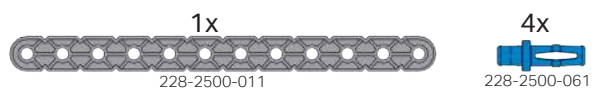
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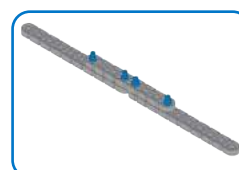
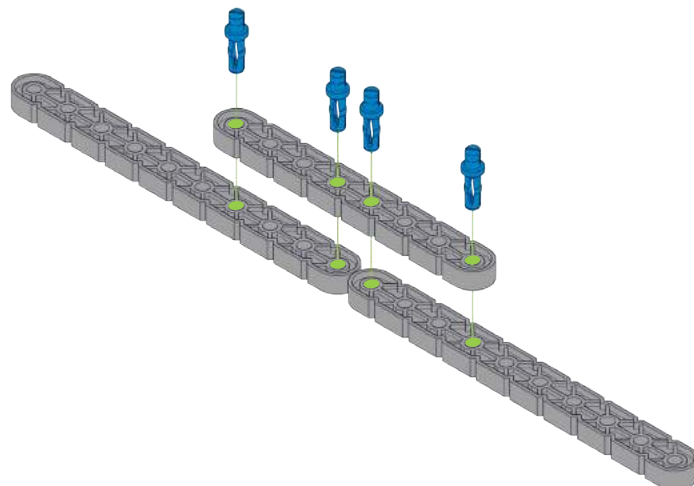
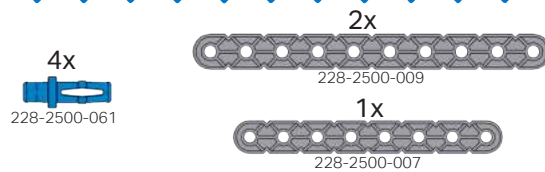
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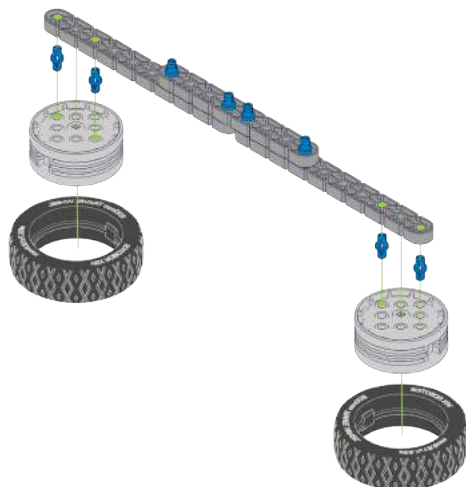
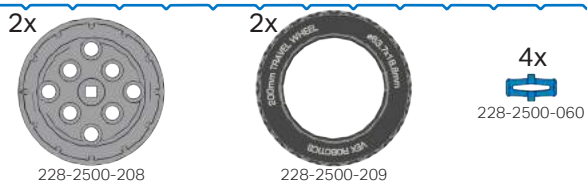
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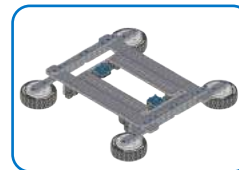
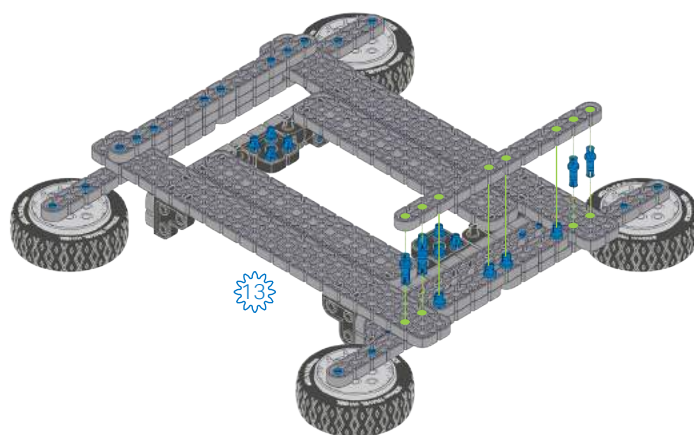
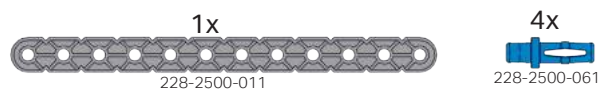
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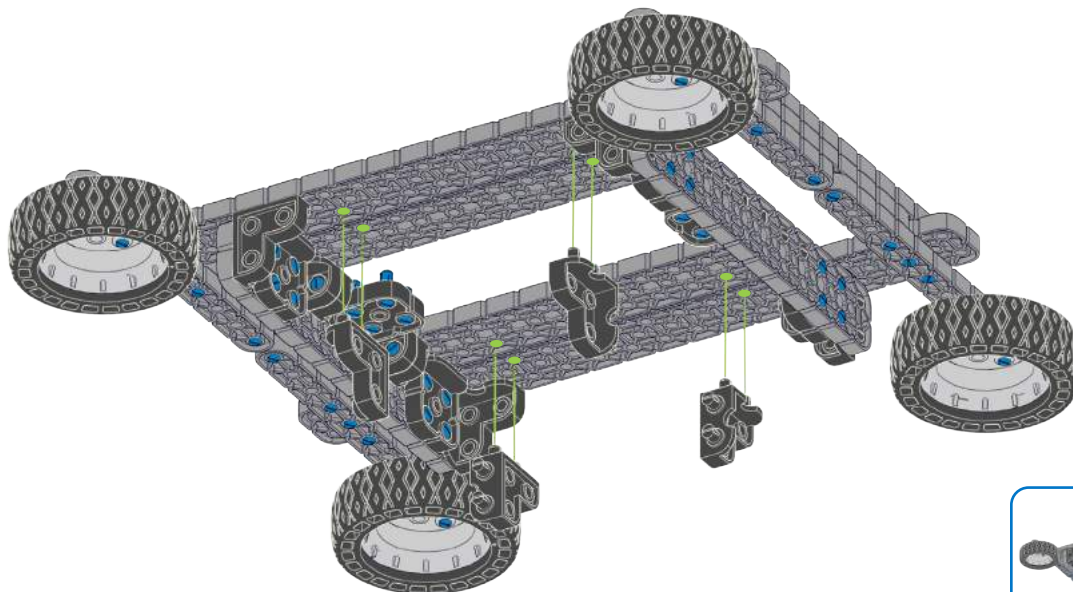
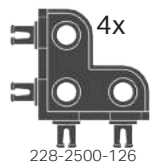
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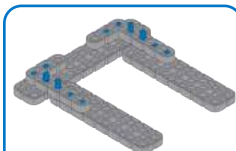
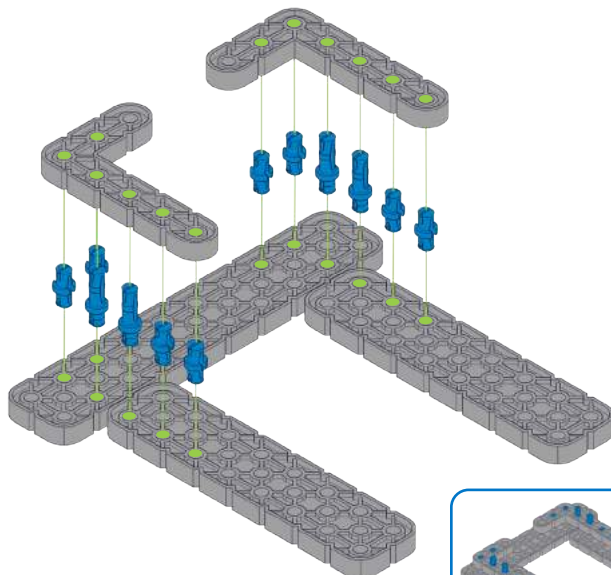
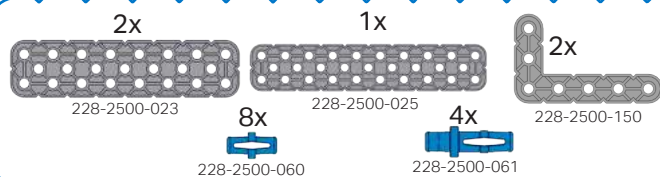


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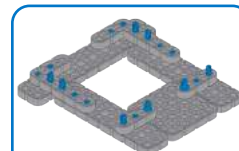
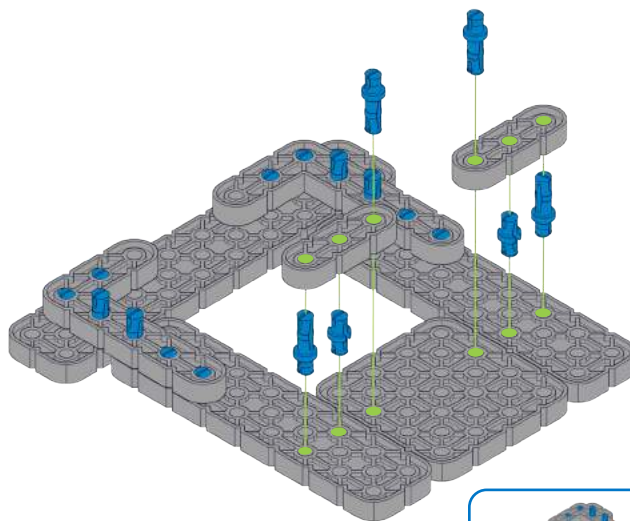
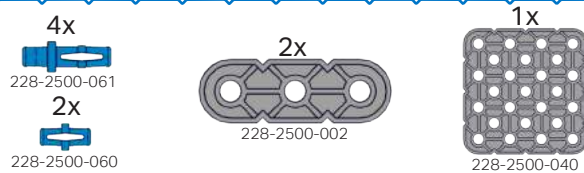
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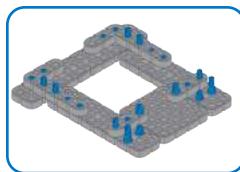
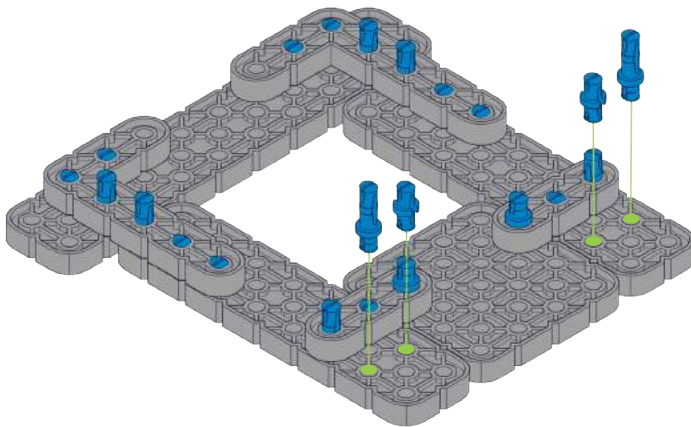
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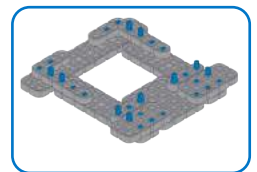
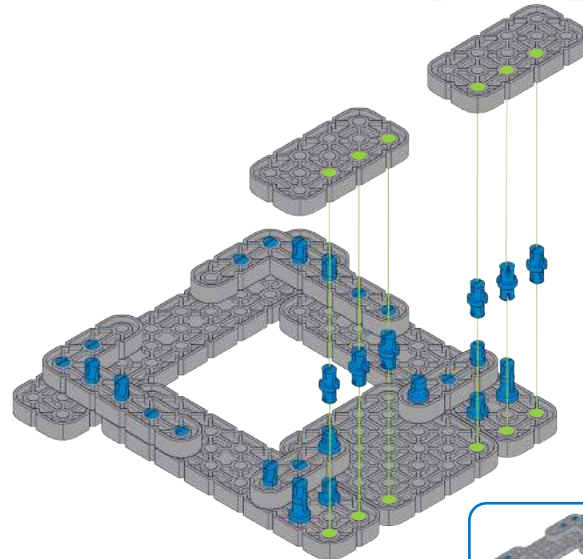
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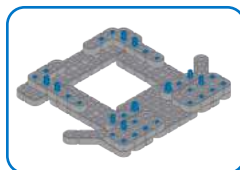
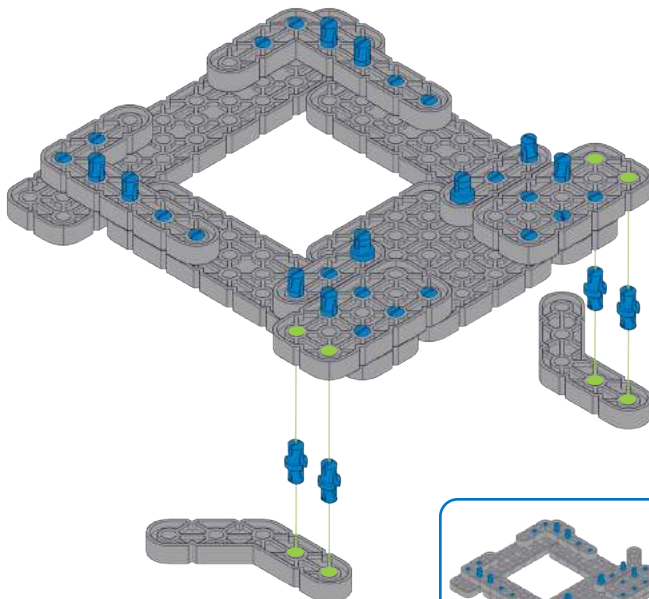
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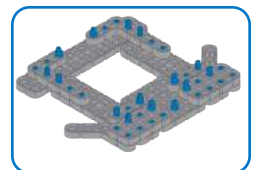
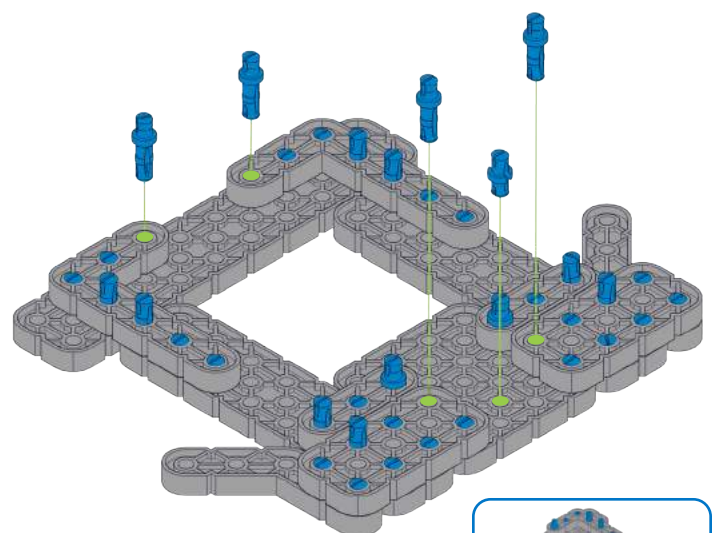
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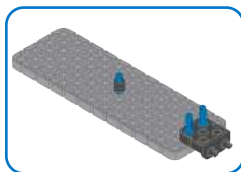
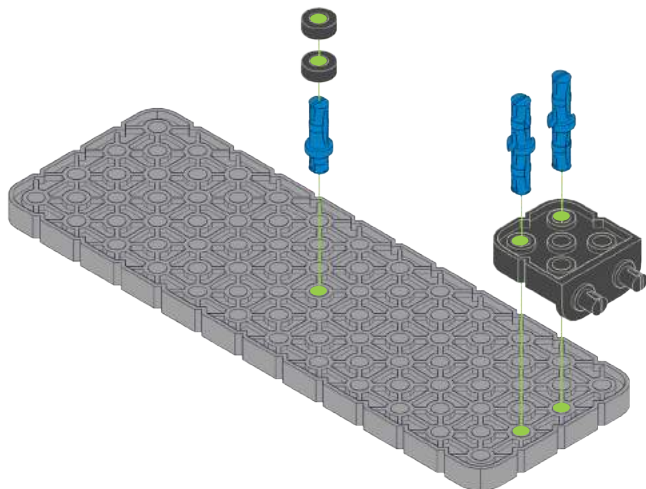
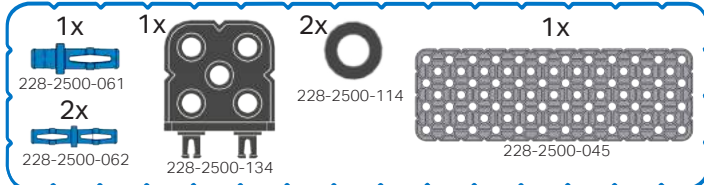
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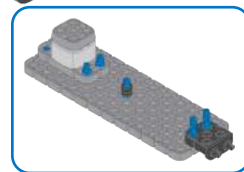
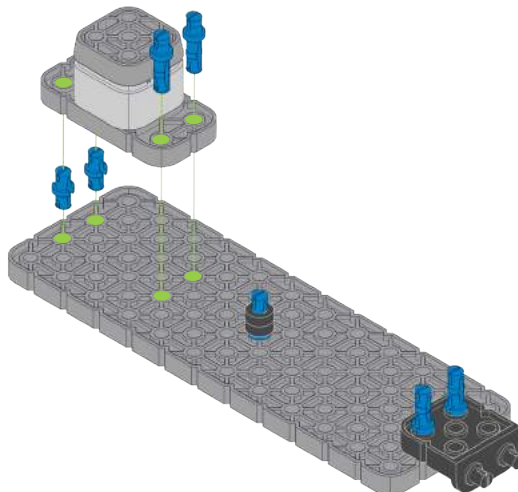
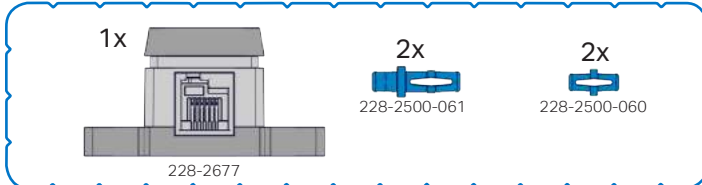
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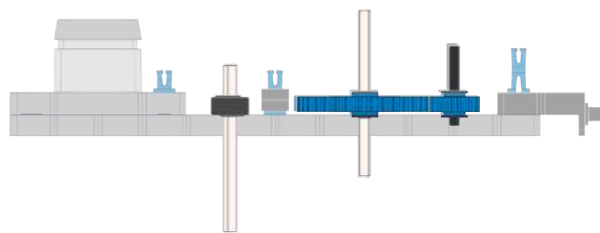
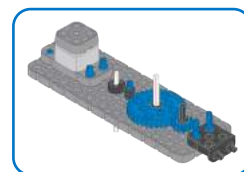
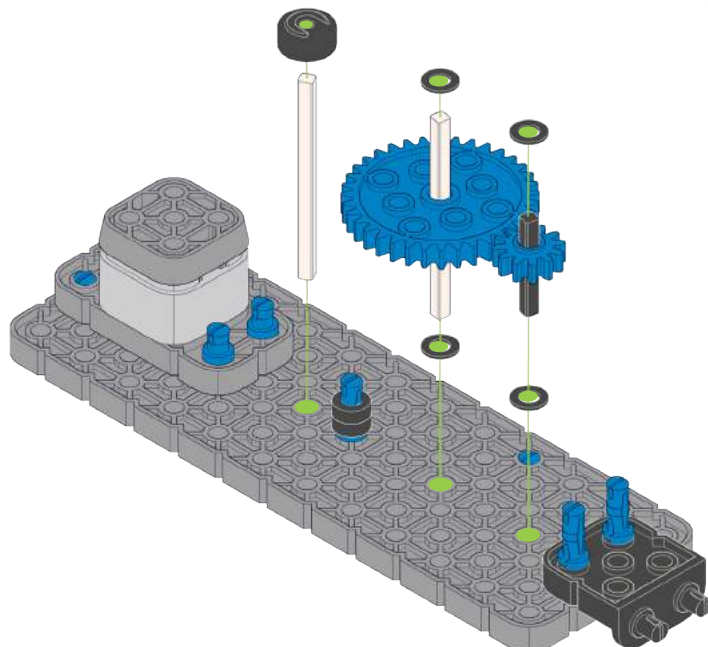
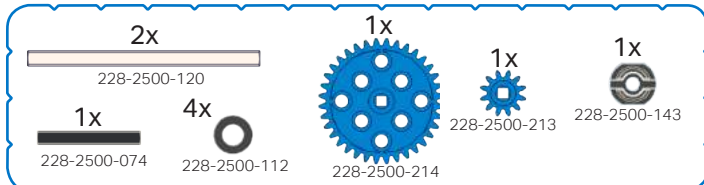
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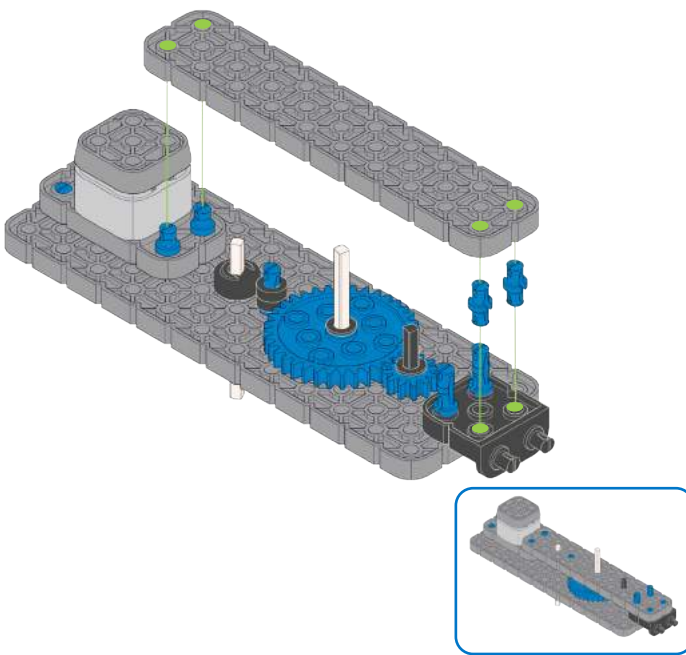
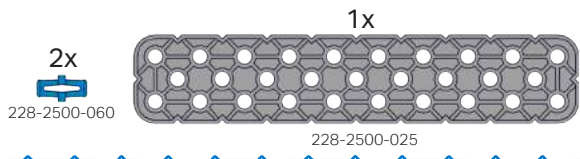
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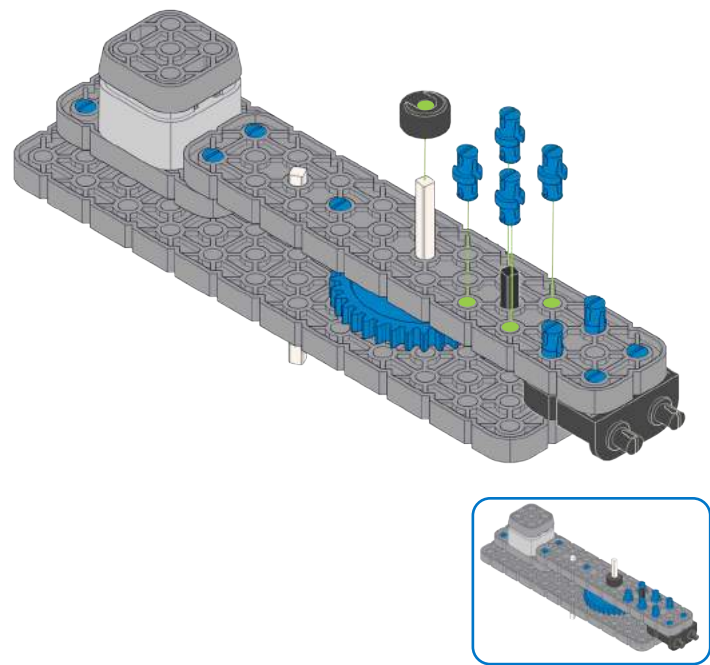
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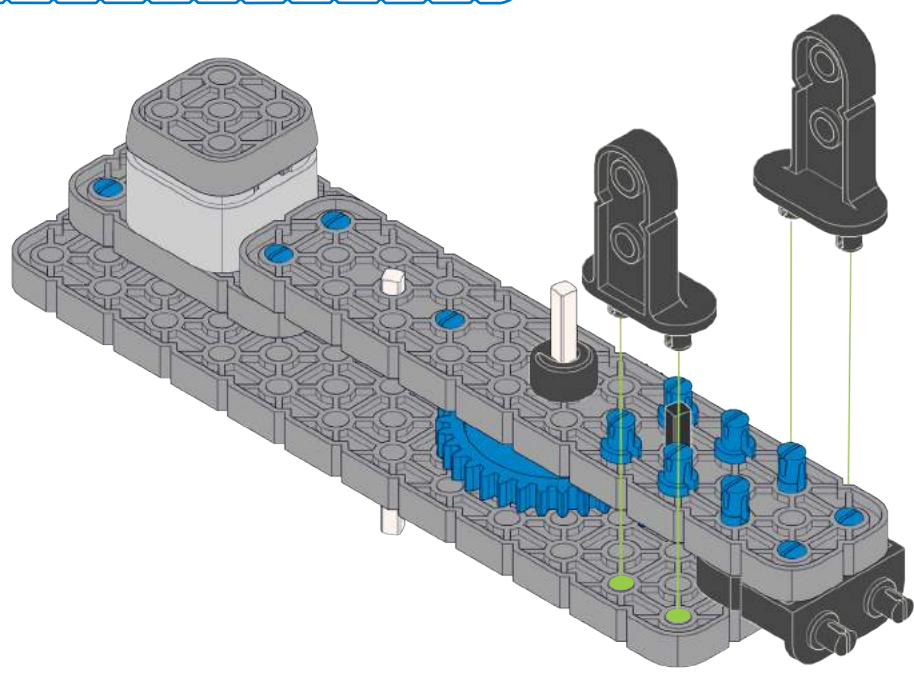
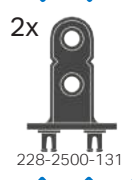
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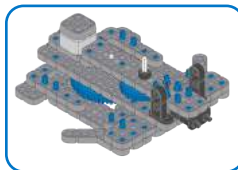
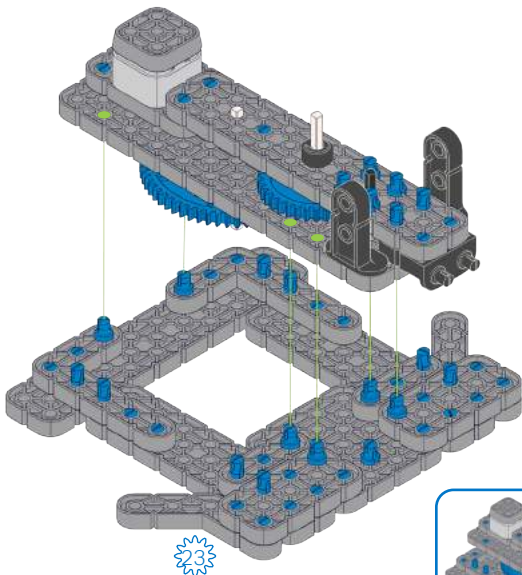
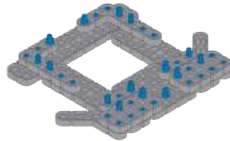
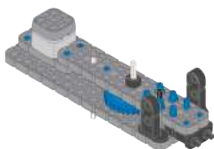
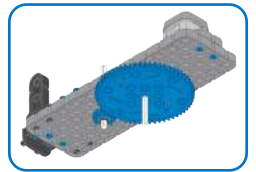
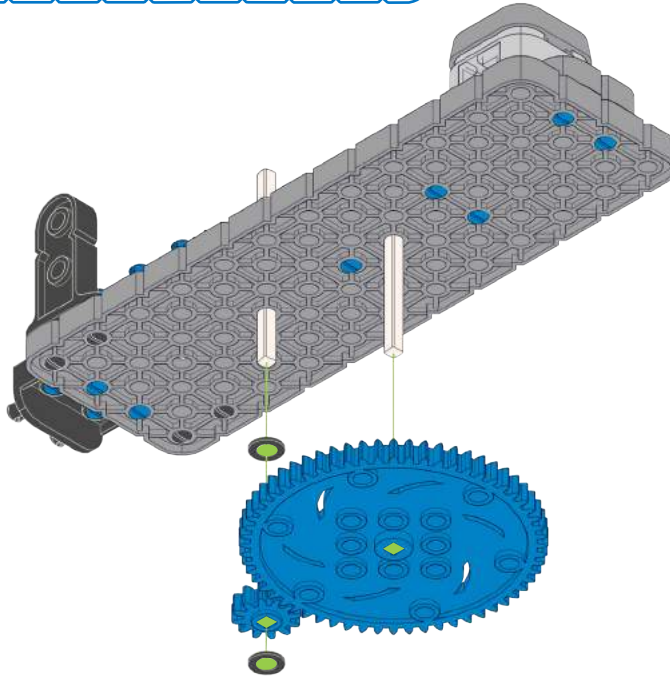
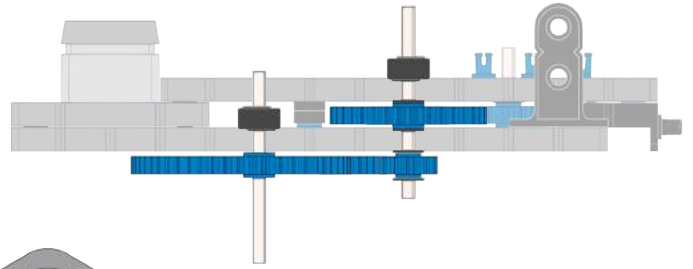


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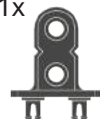
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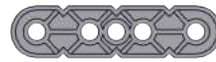


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1x



228-2500-003

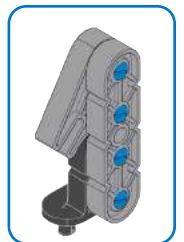
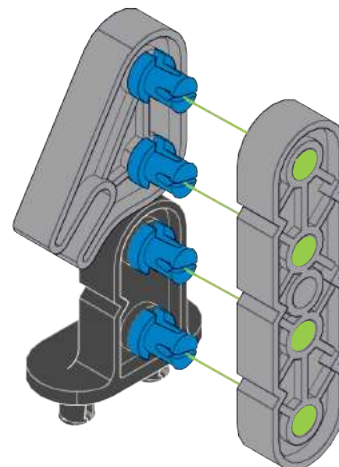
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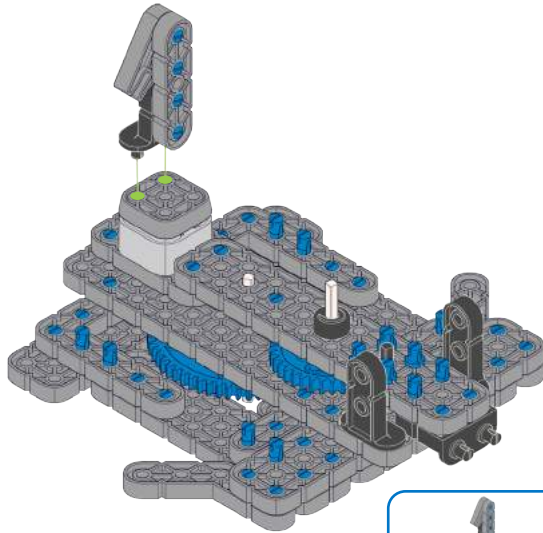
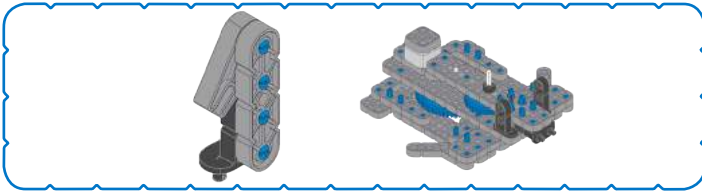
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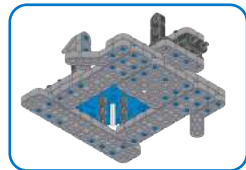
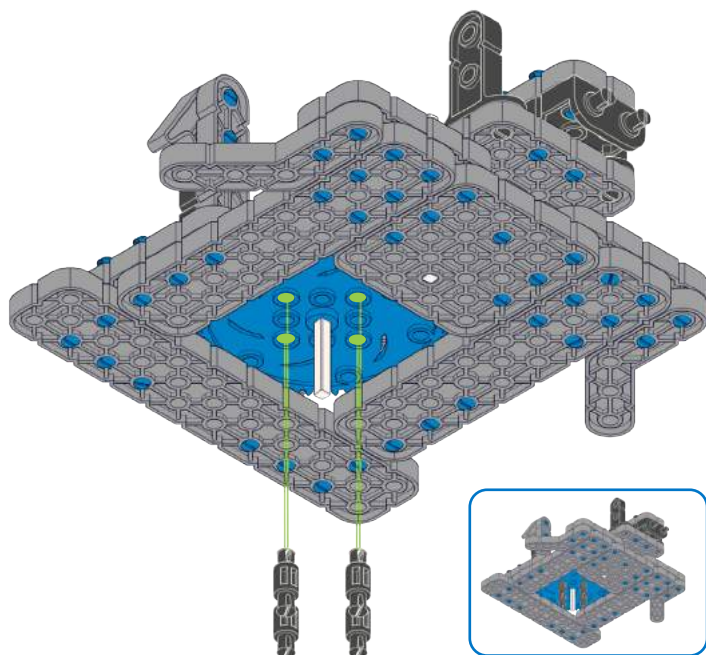
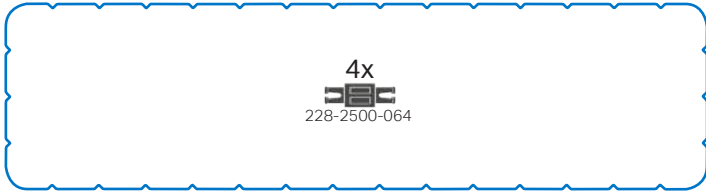
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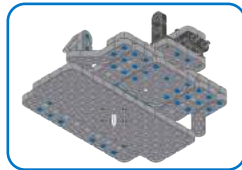
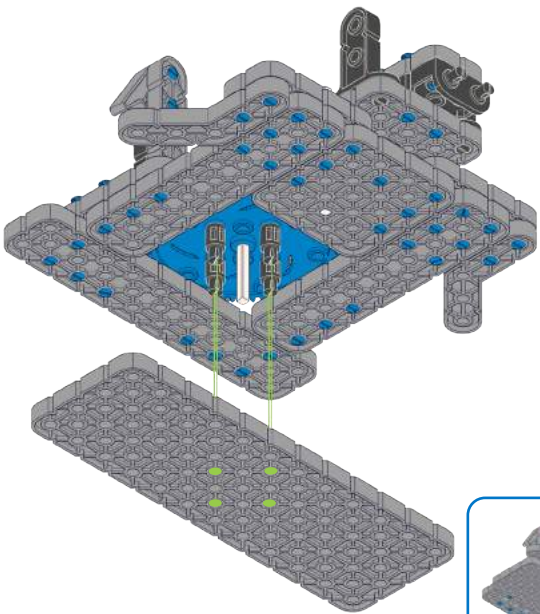
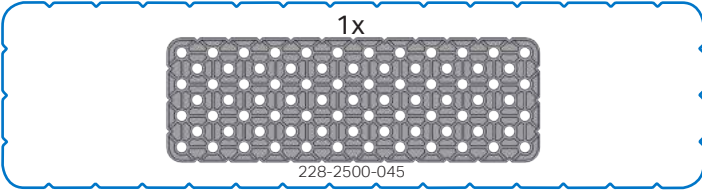


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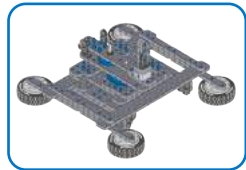
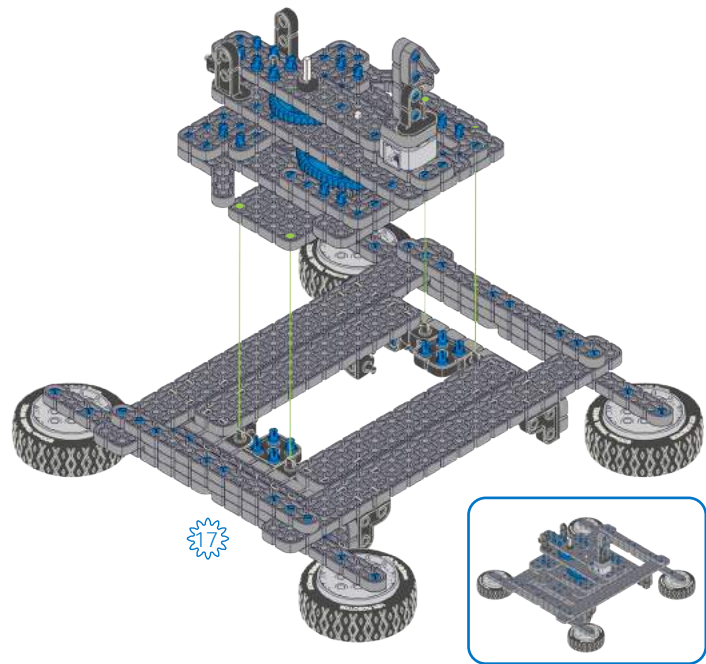
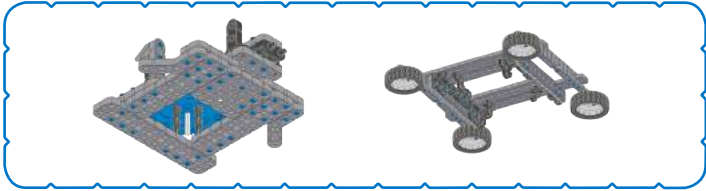
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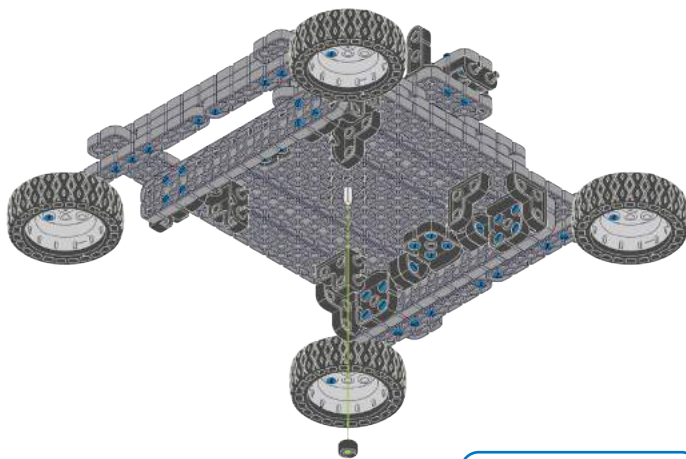
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36



37

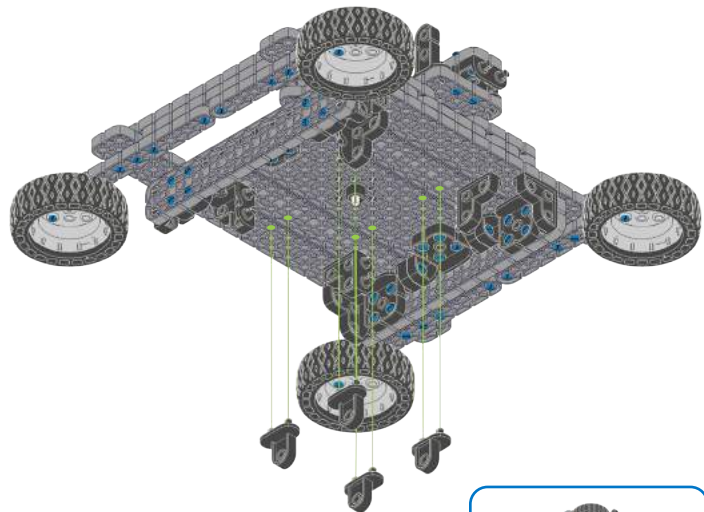
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228-2500-143



38

38

4x
228-2500-133



39

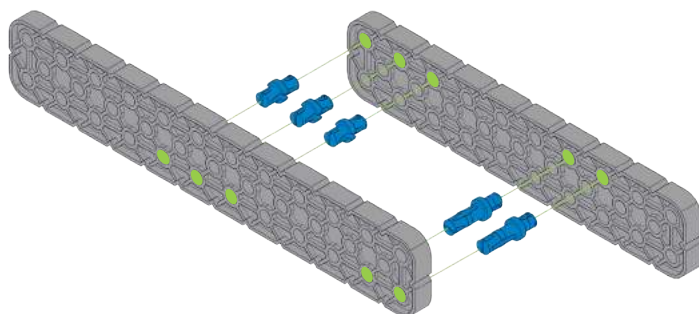
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3x
228-2500-060

2x
228-2500-061

1x
228-2500-026

1x
228-2500-025



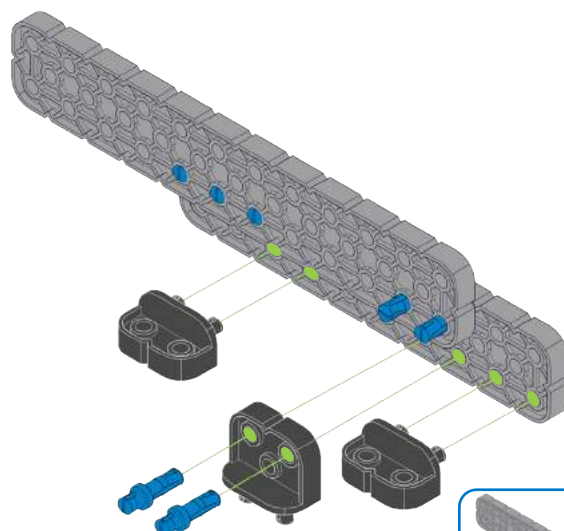
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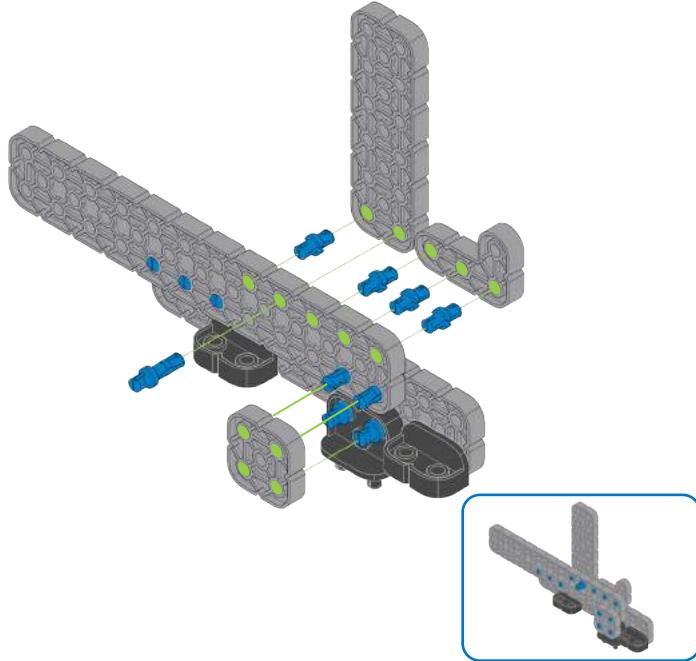
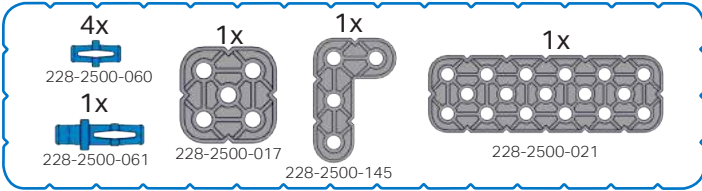
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228-2500-061

2x
228-2500-128

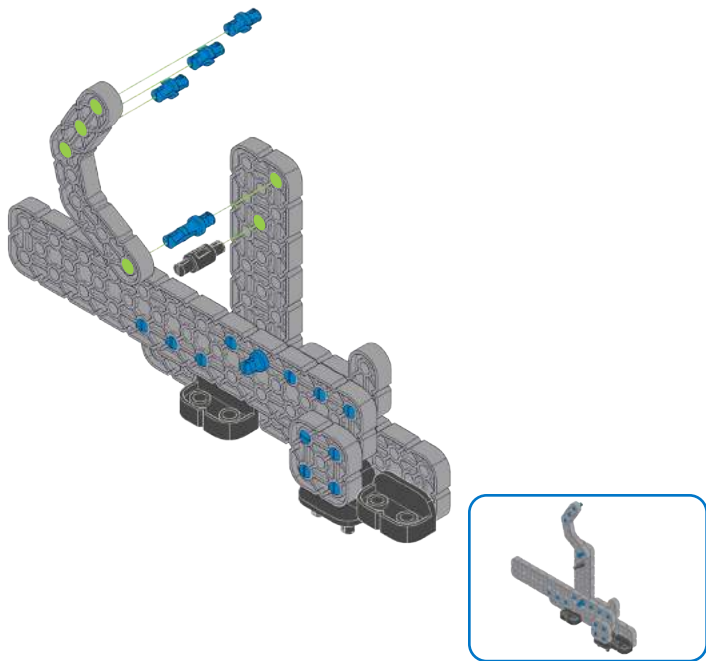
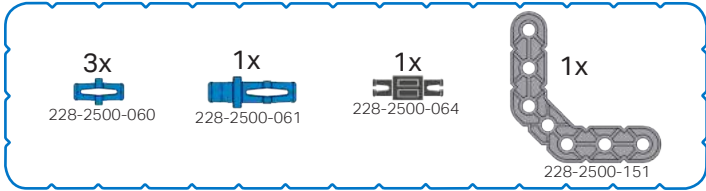
1x
228-2500-135



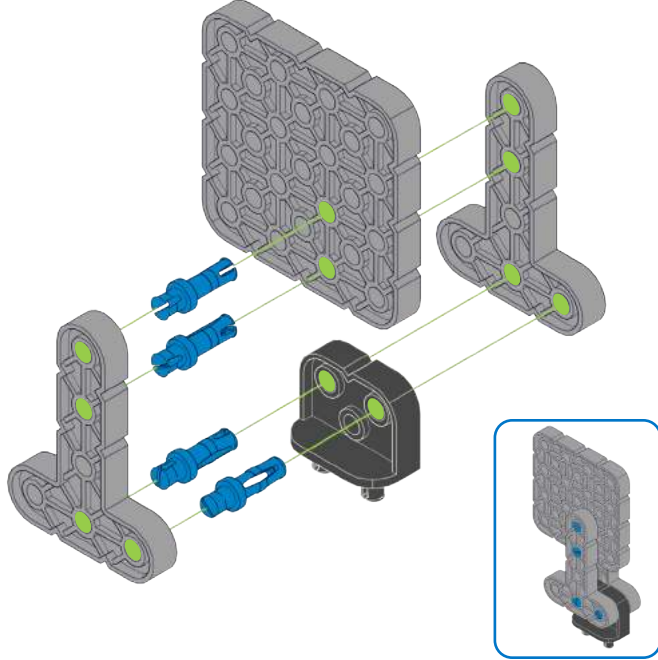
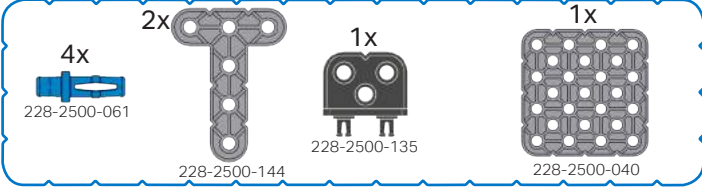
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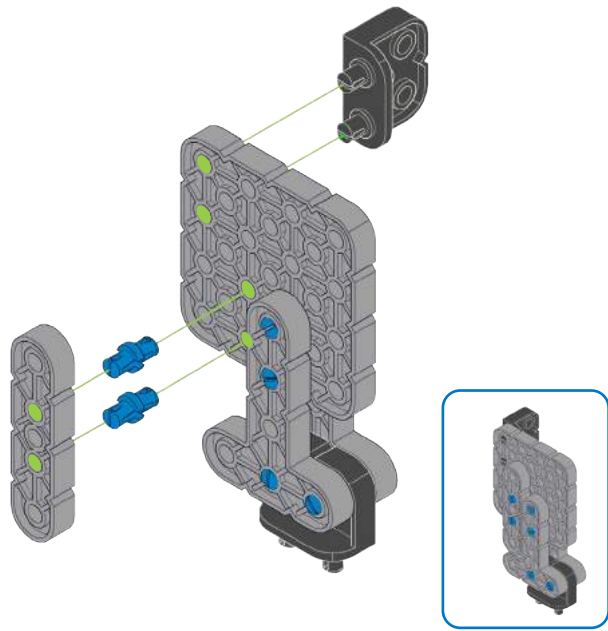
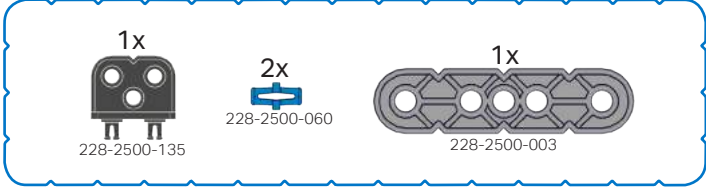
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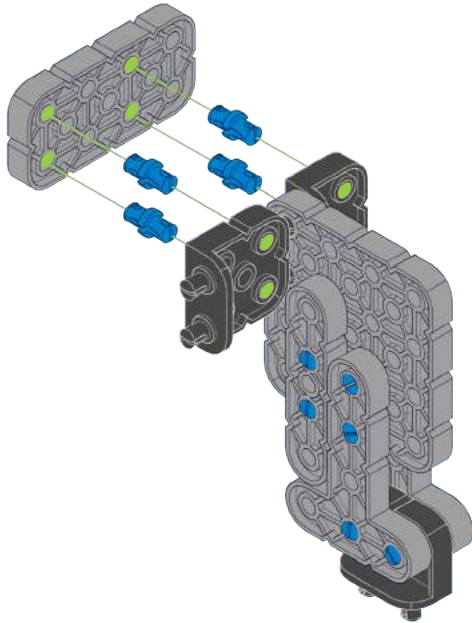
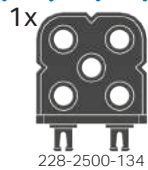
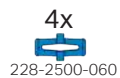
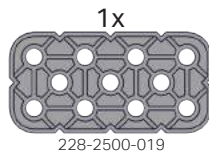
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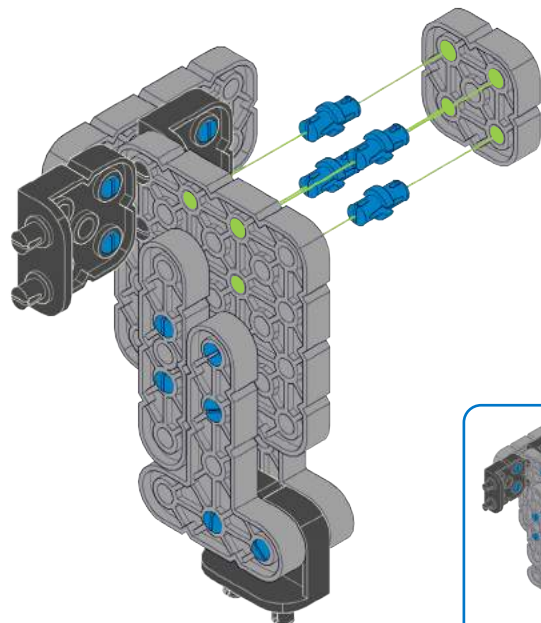
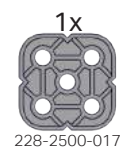
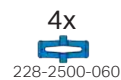
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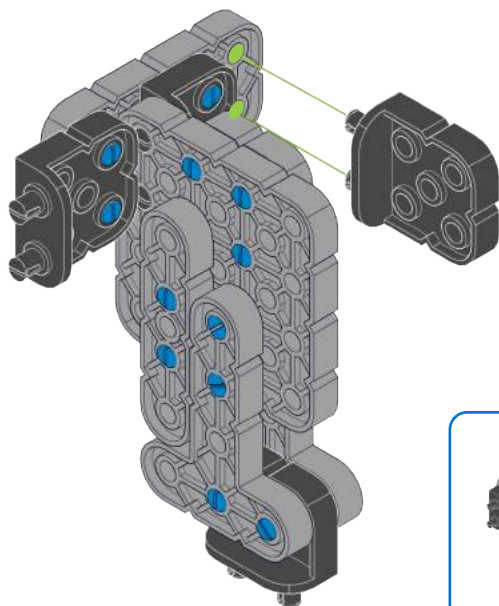
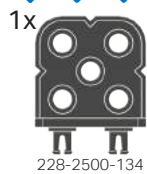
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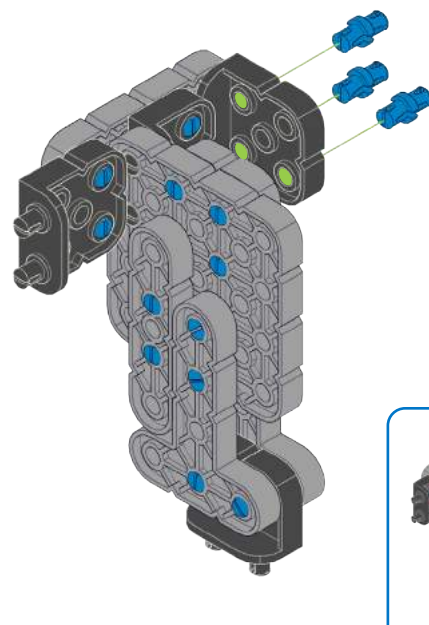
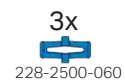
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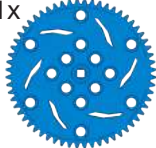
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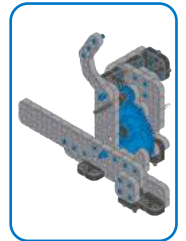
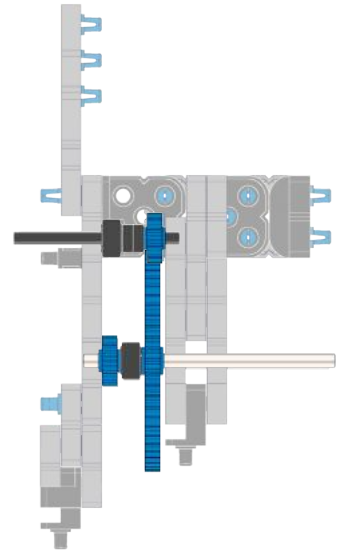
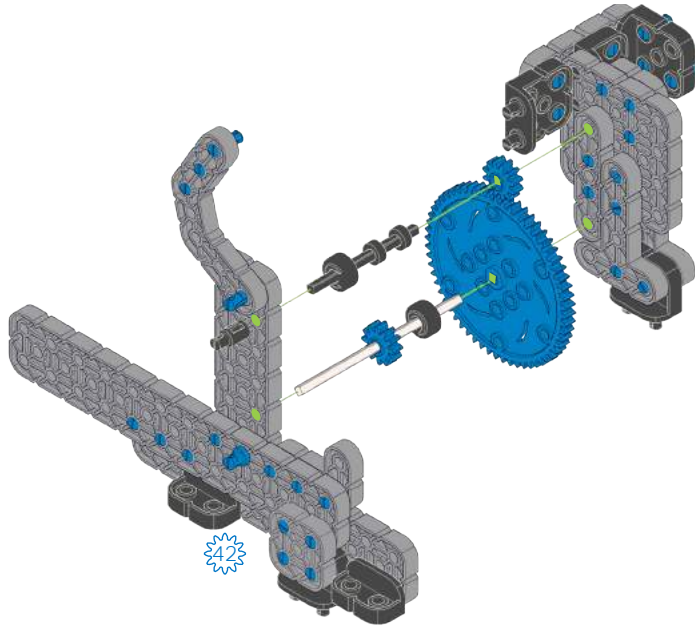


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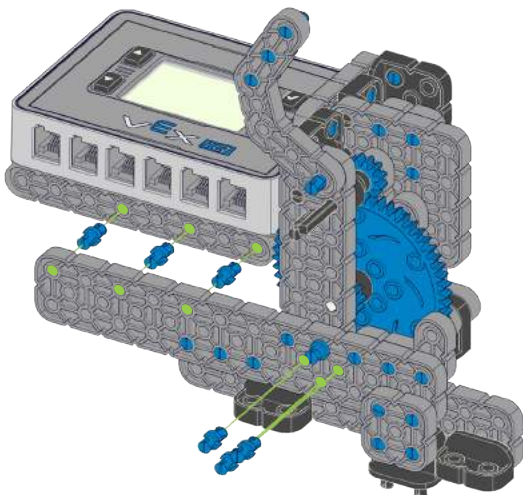
49 49

1x  228-2500-215	1x  228-2500-122	1x  228-2500-076
	2x 	2x 
	2x 	2x  228-2500-213

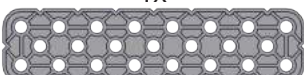


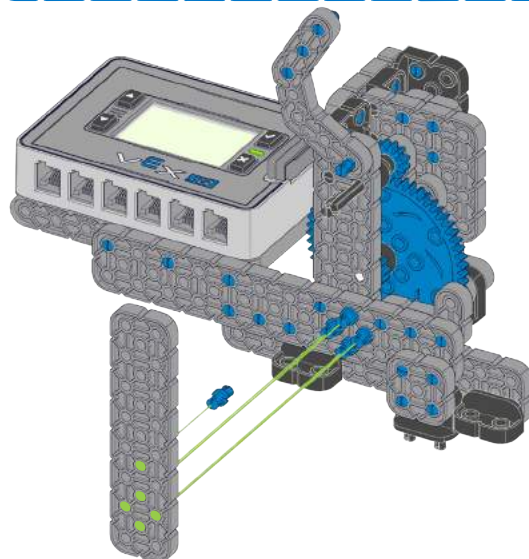
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1x  228-2540	6x  228-2500-060
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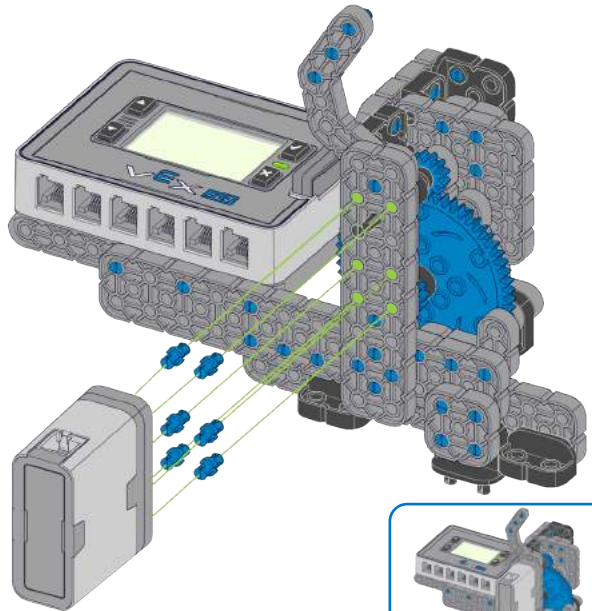
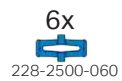
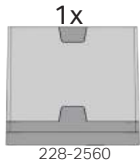


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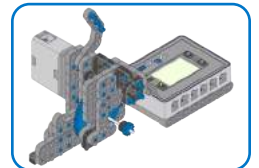
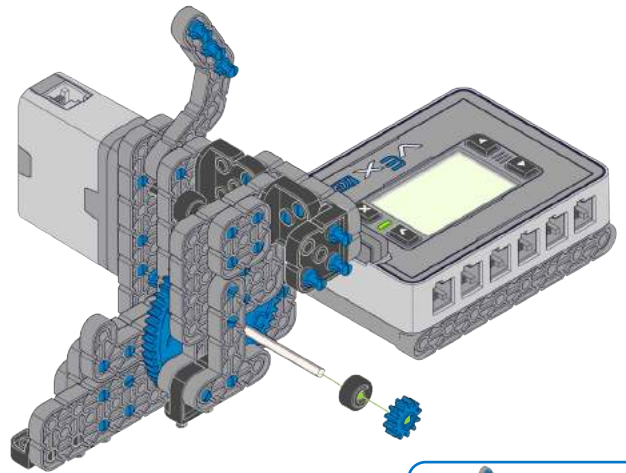
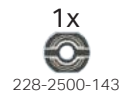
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52

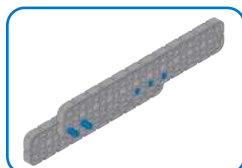
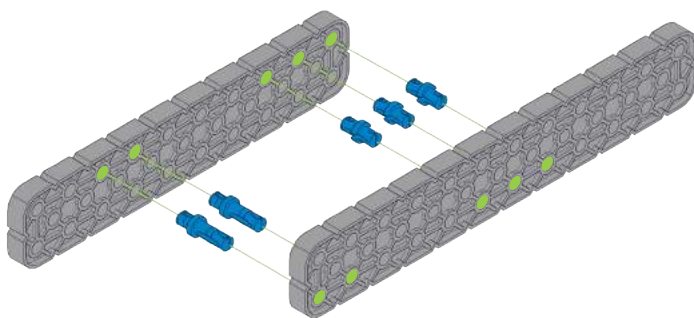
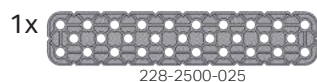
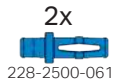
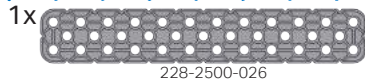
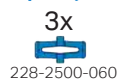


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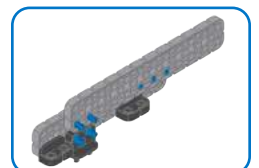
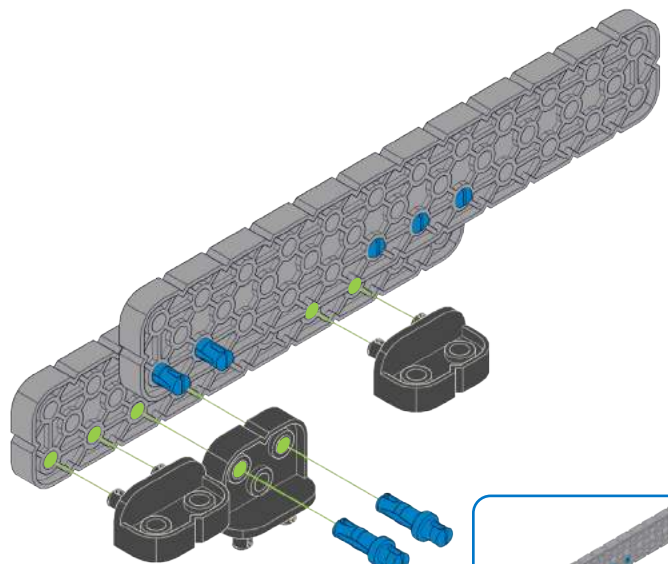
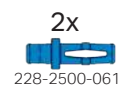
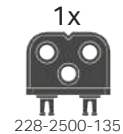
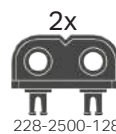
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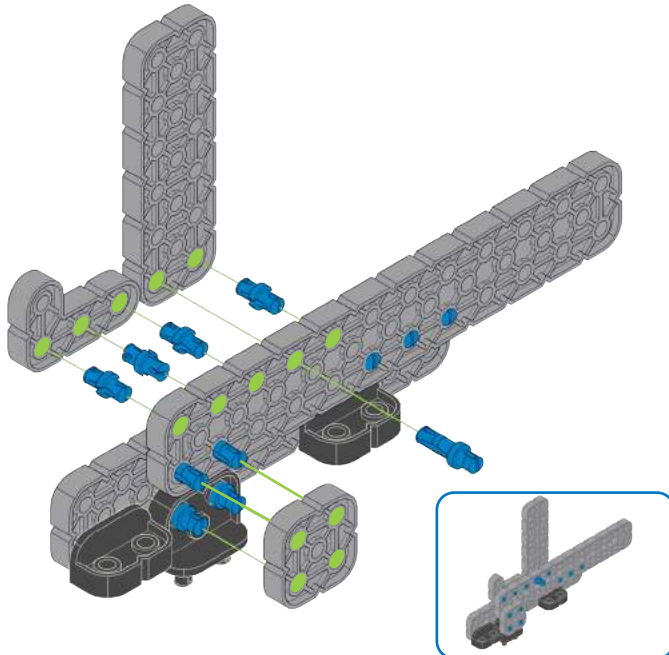
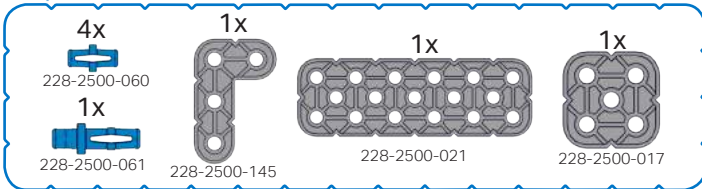


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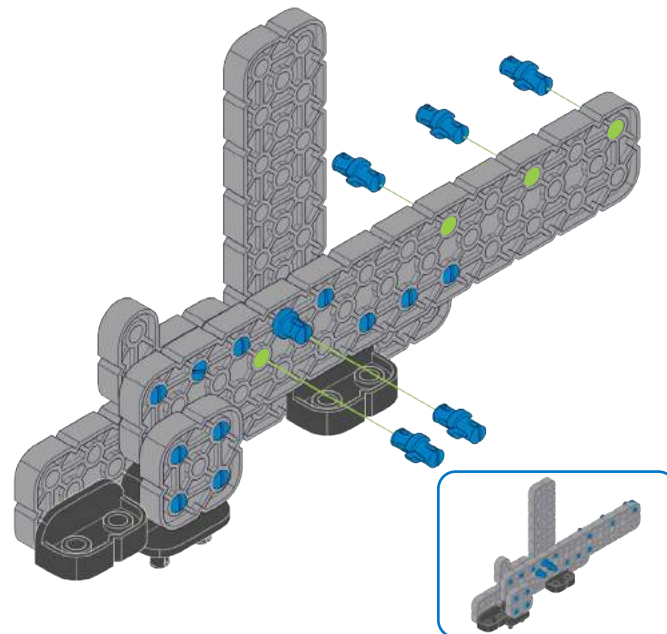
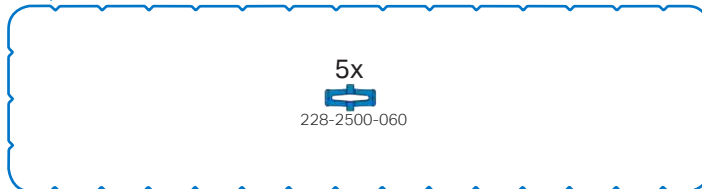
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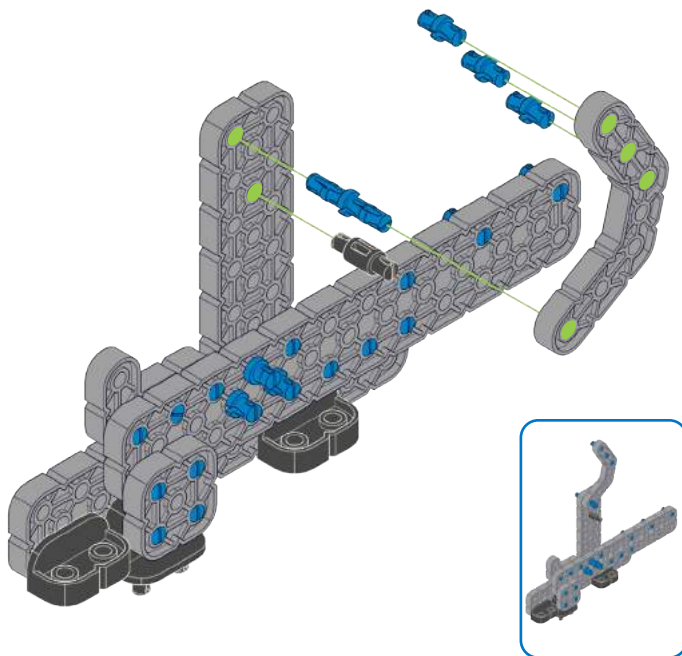
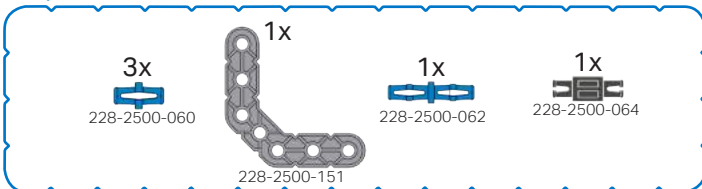
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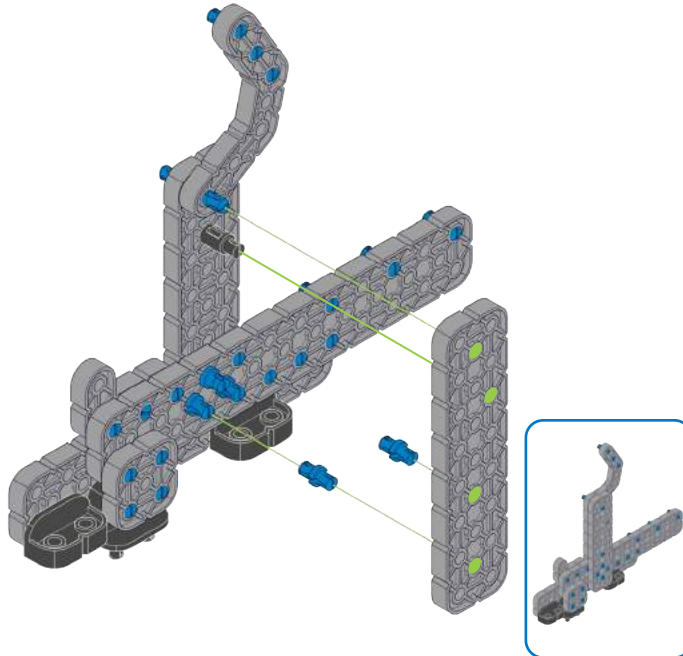
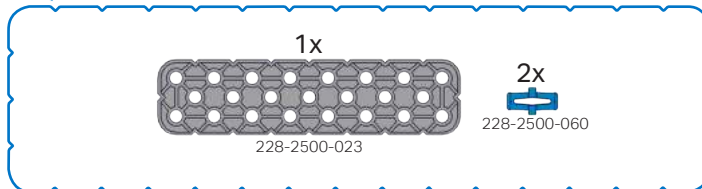
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58

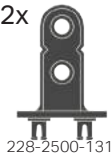


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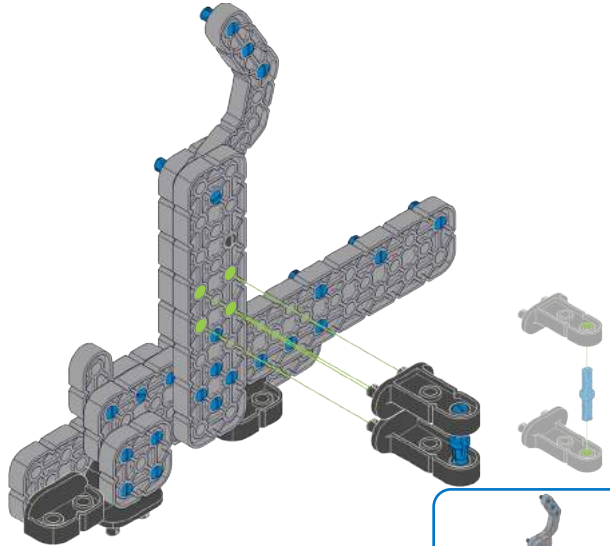


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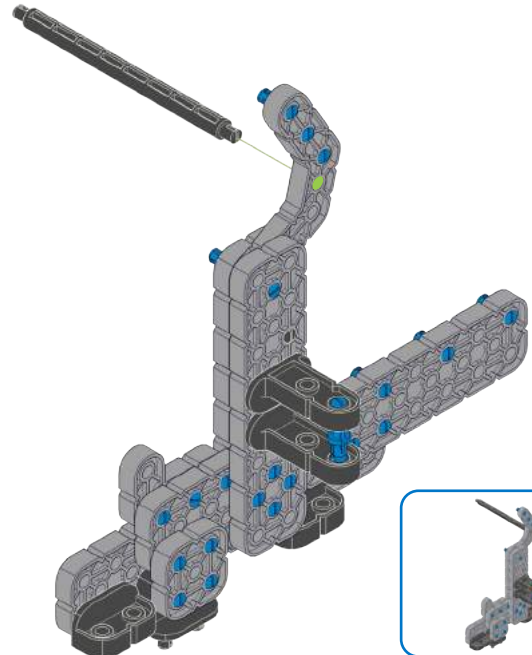


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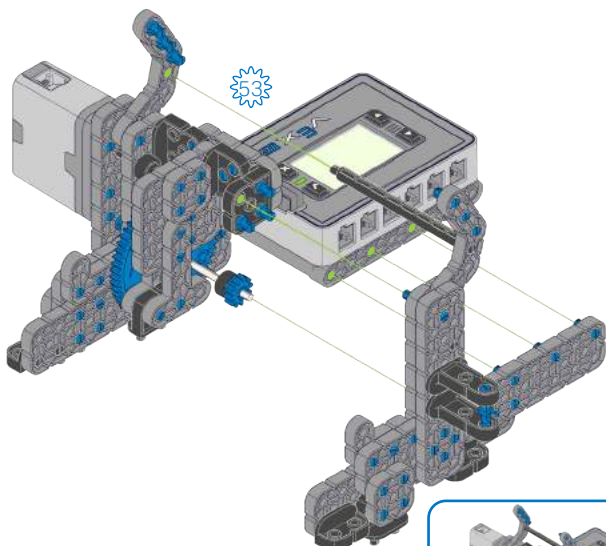


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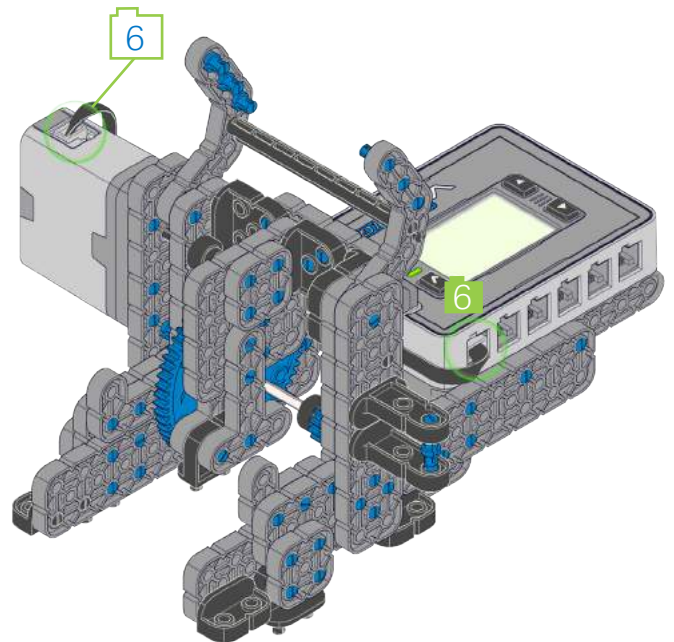
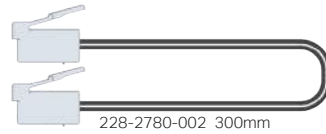
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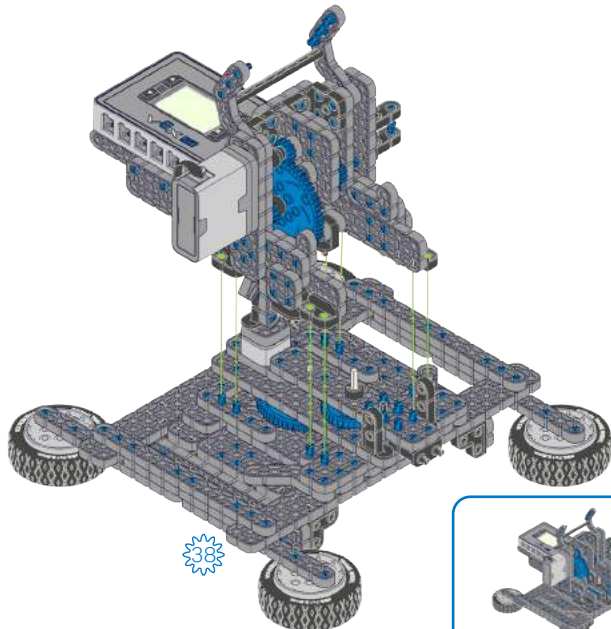
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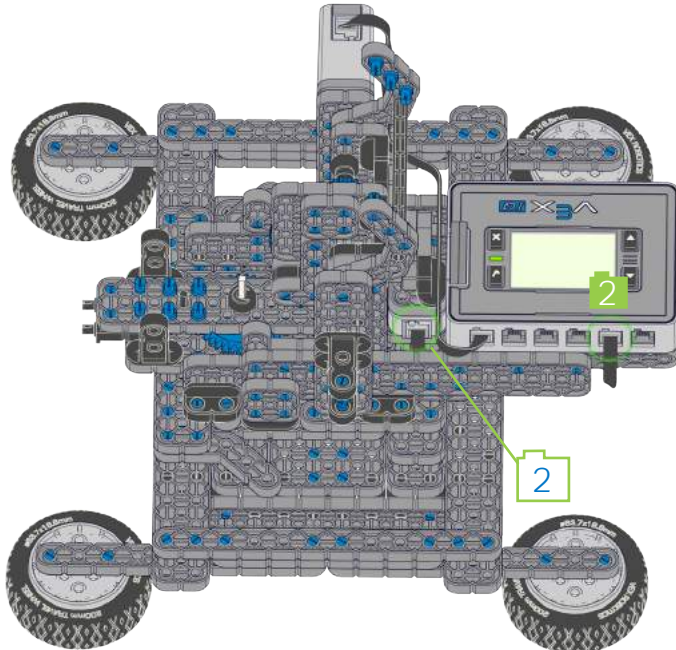
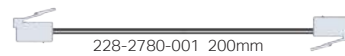
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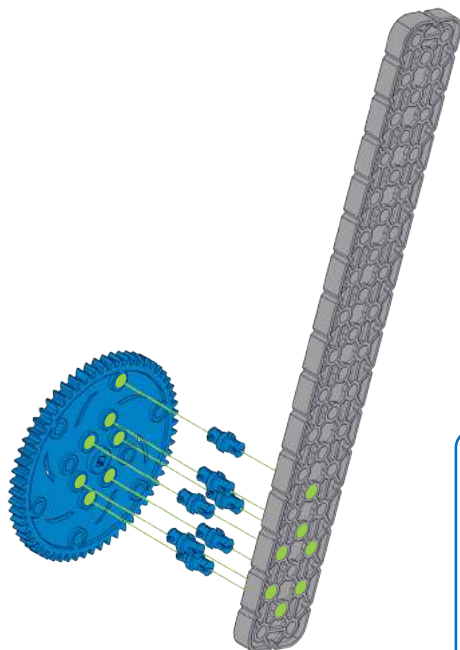
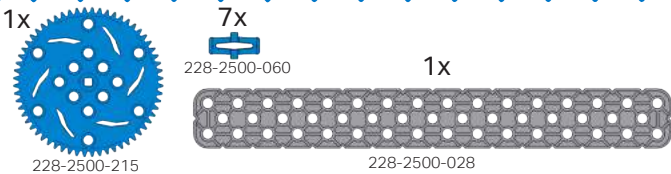
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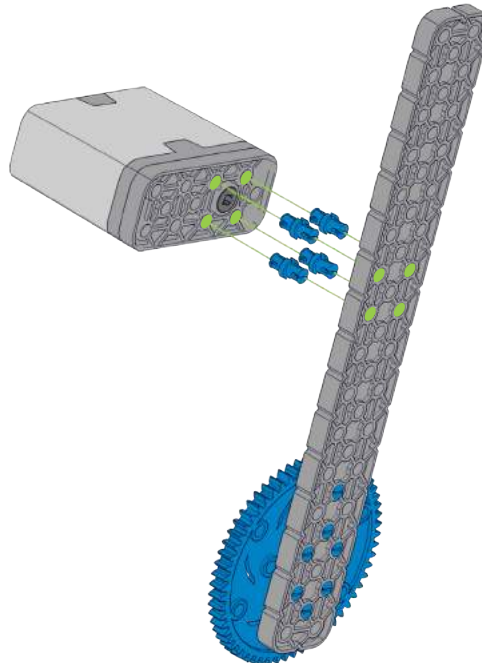
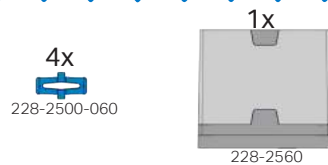
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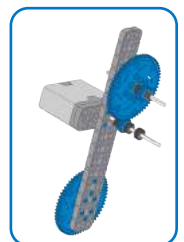
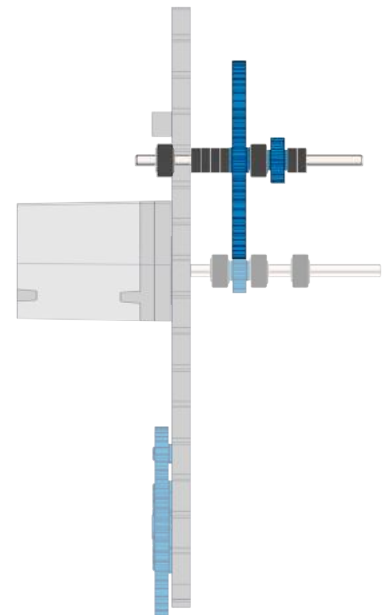
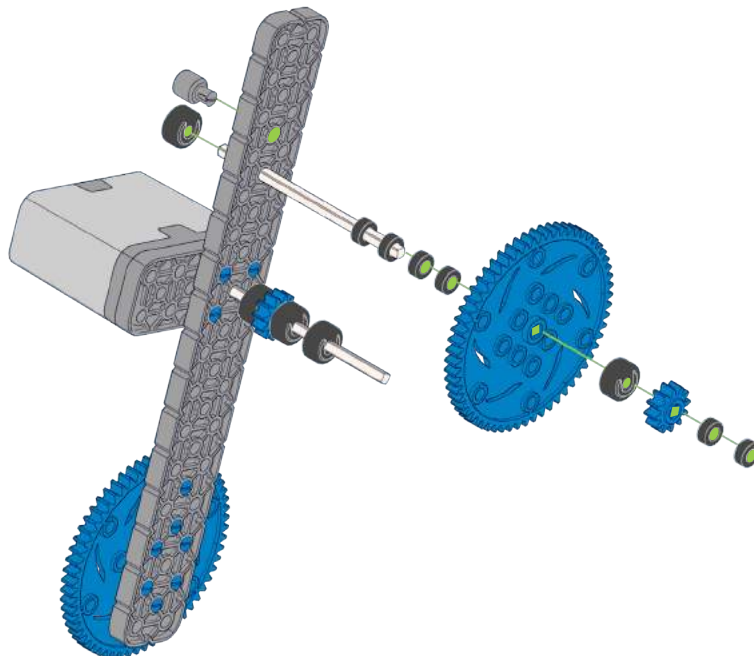
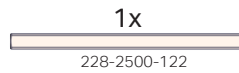
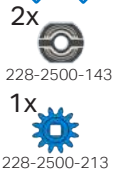
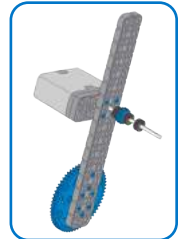
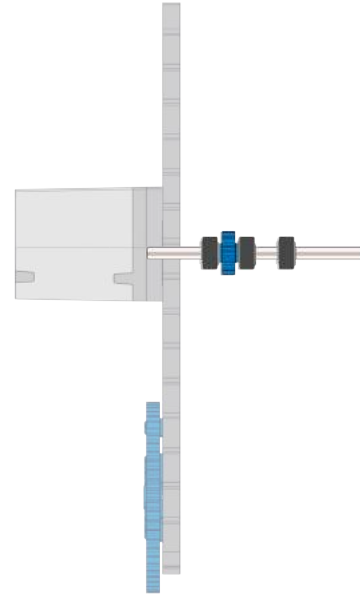
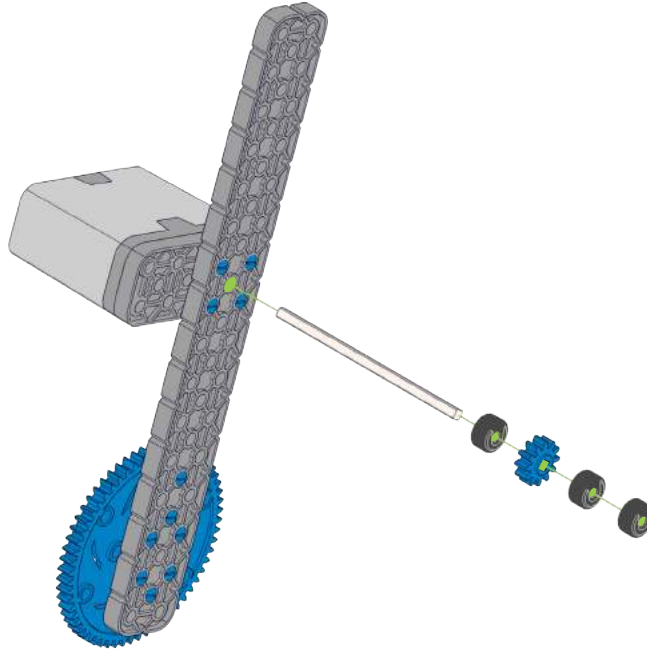
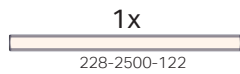


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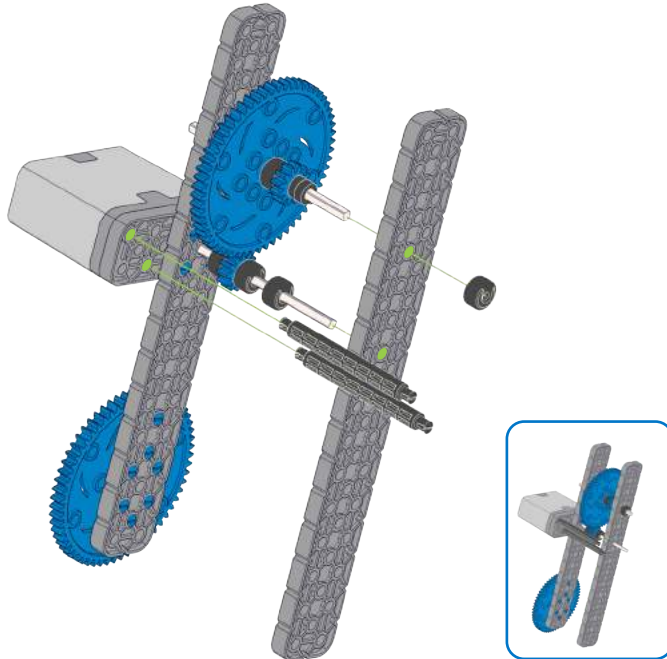
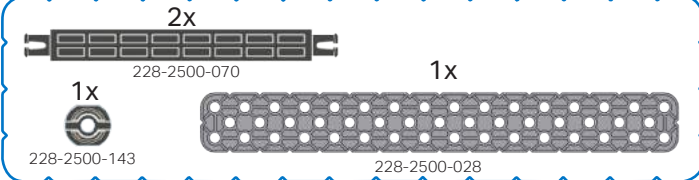


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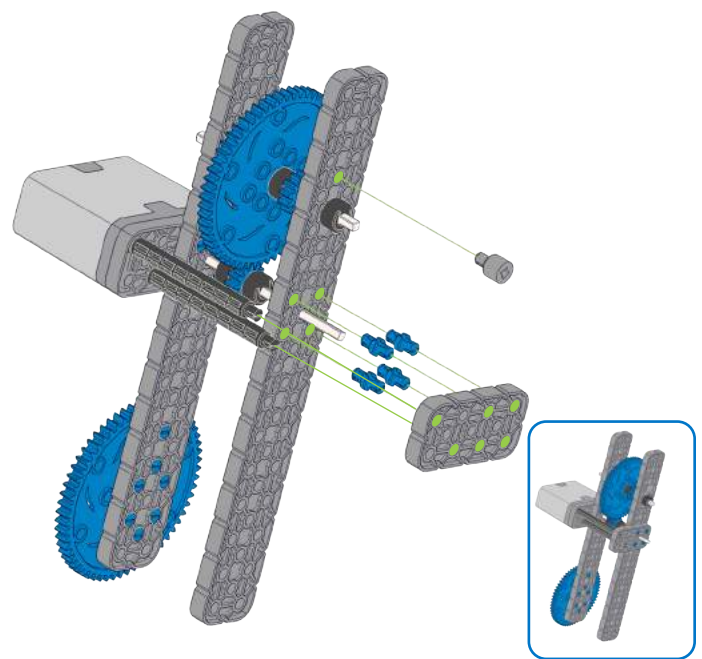
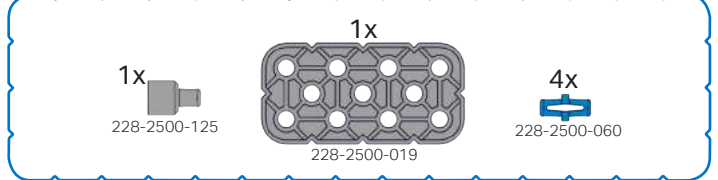




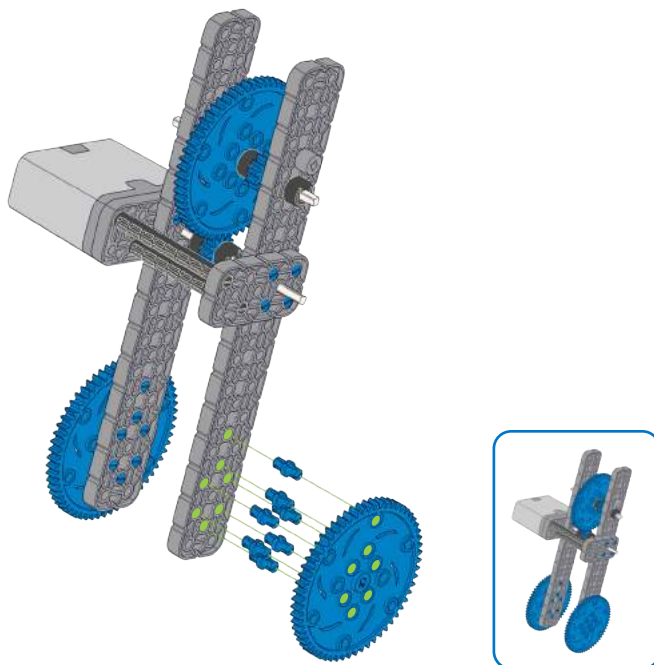
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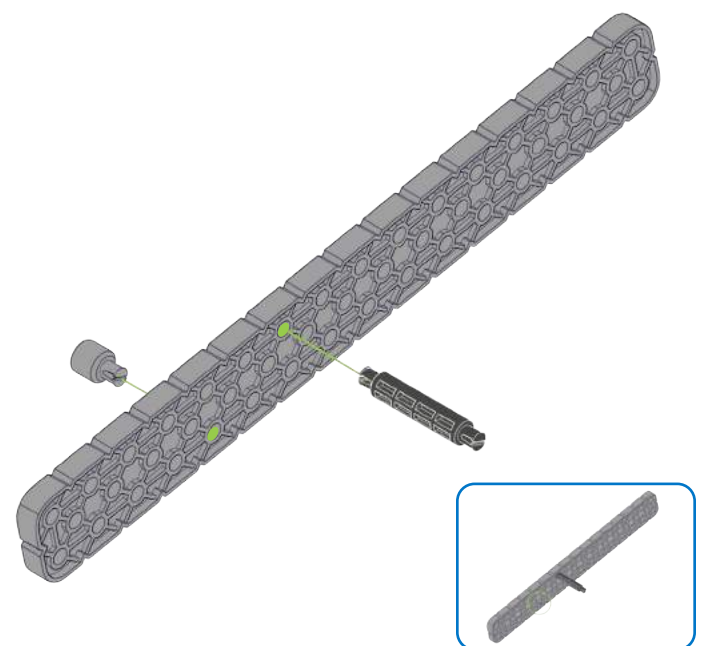
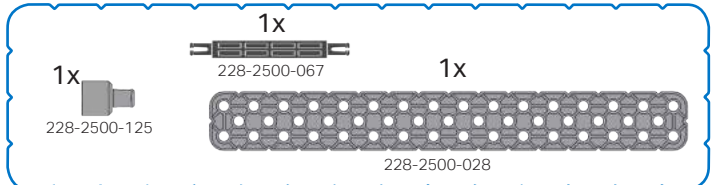
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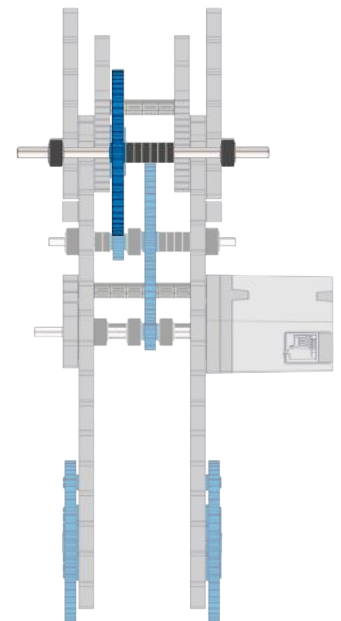
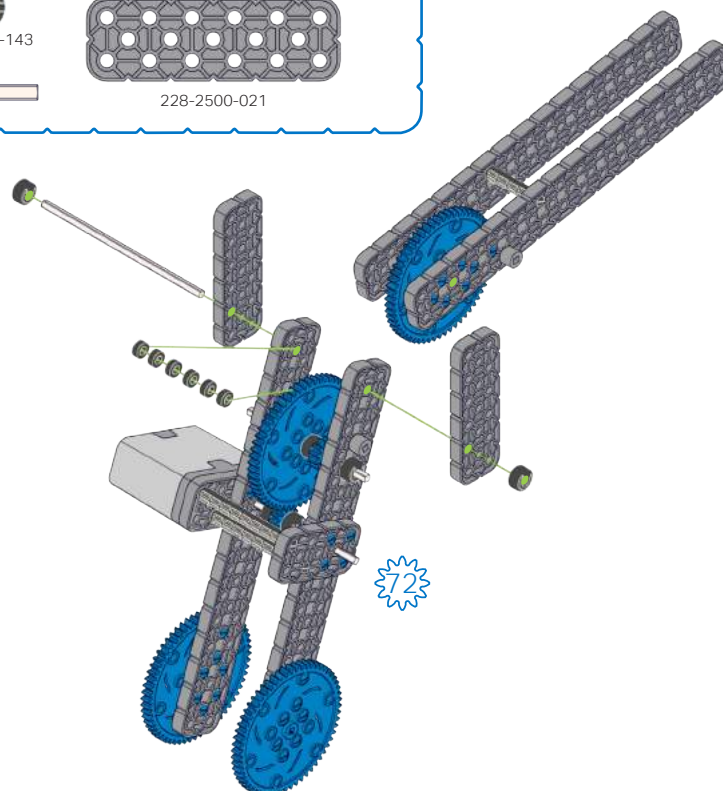
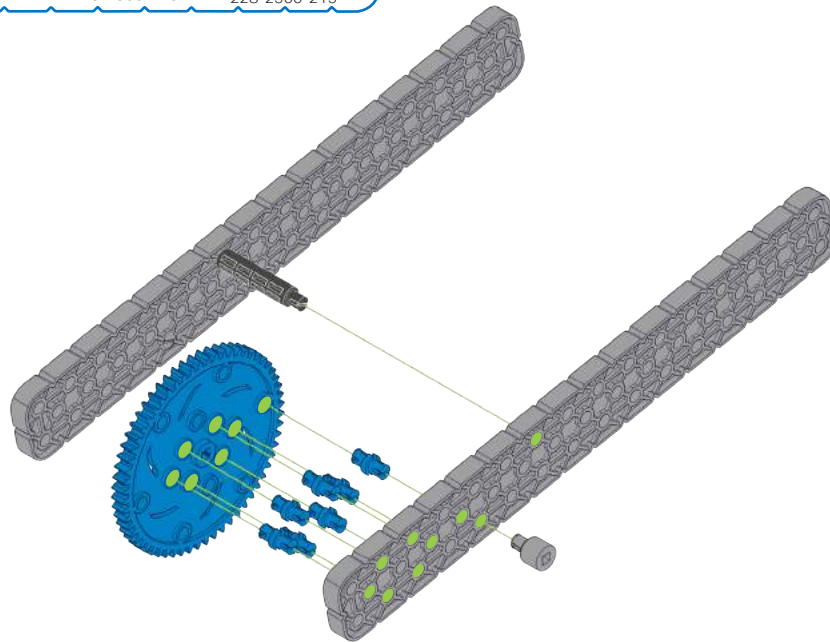


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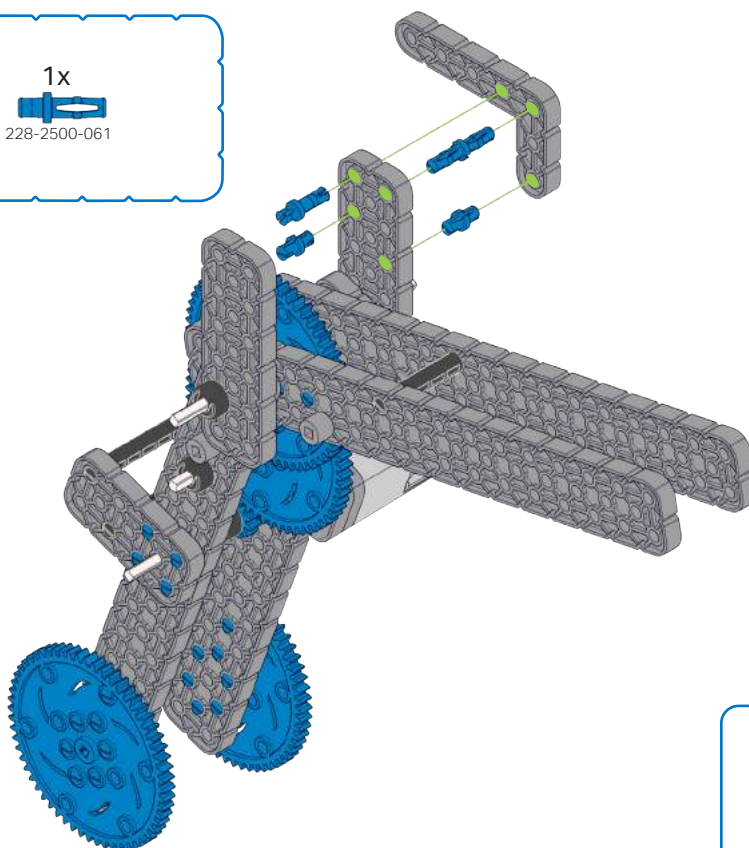
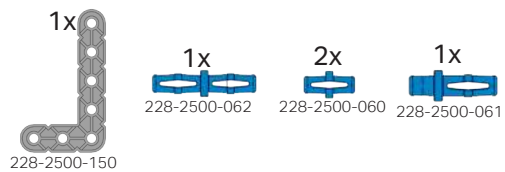


73

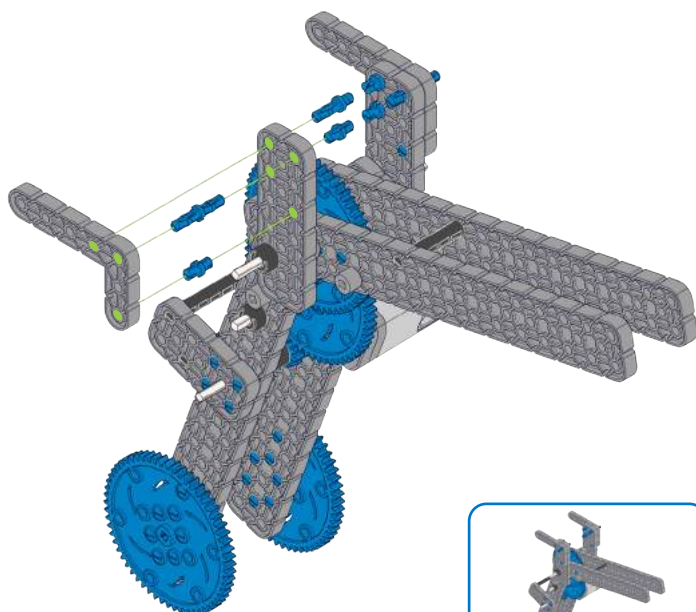
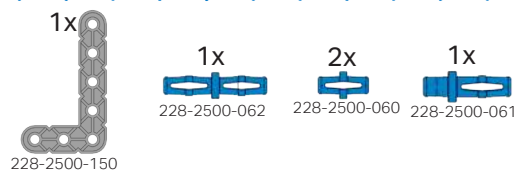




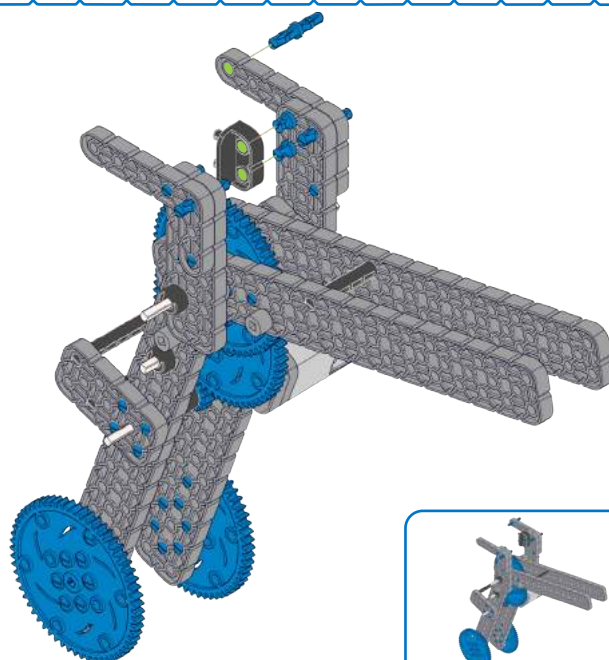
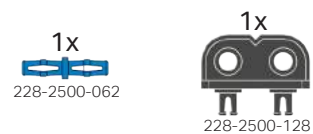
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77



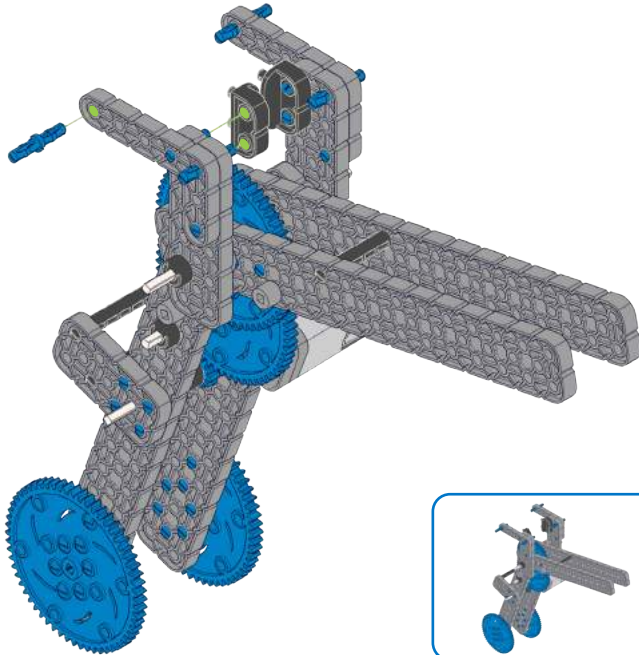
78



79

1x
228-2500-062

1x
228-2500-128



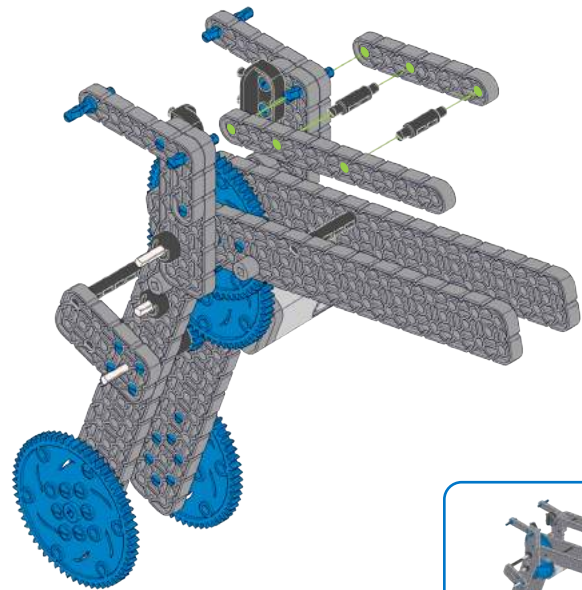
80

80

1x
228-2500-005

2x
228-2500-065

1x
228-2500-009



81

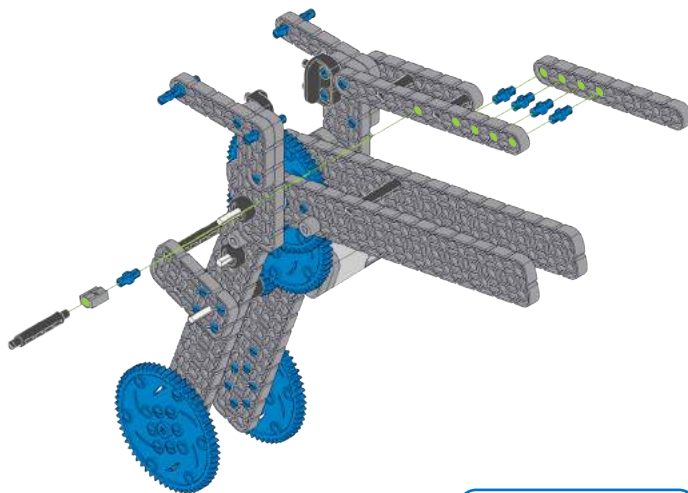
81

1x
228-2500-067

5x
228-2500-060

1x
228-2500-007

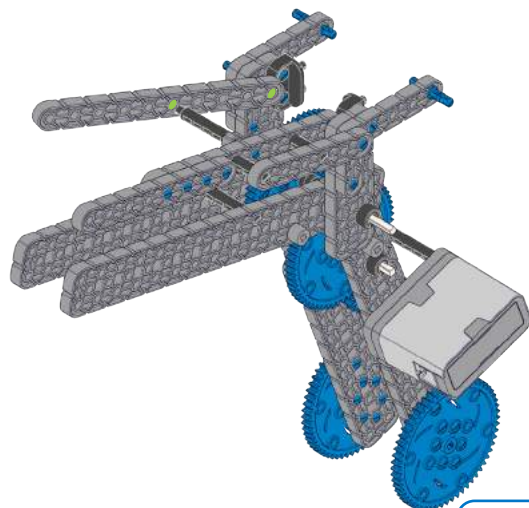
1x
228-2500-170



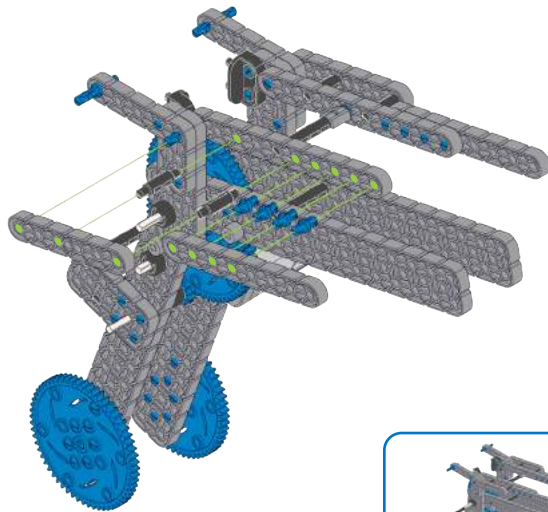
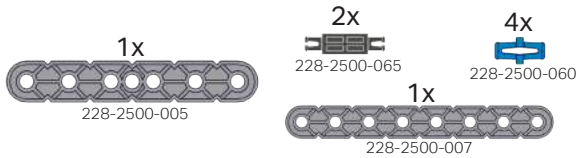
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82

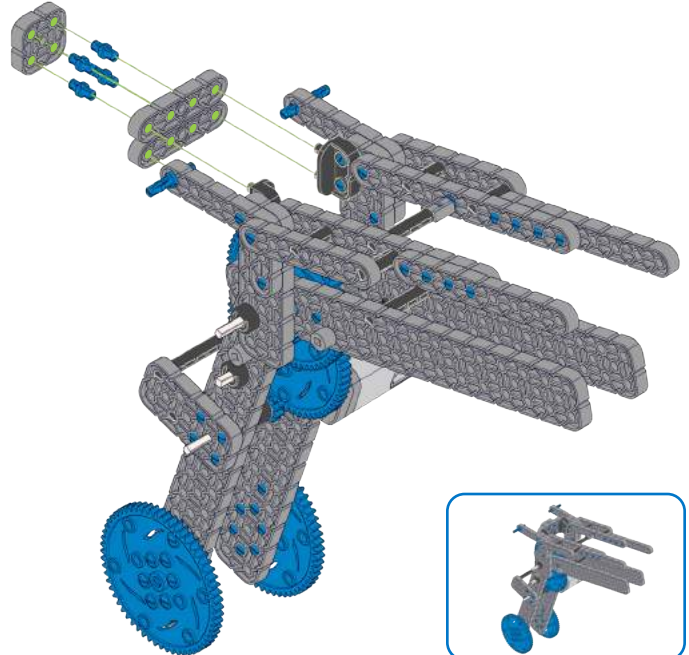
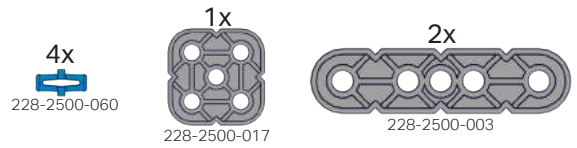
1x
228-2500-009



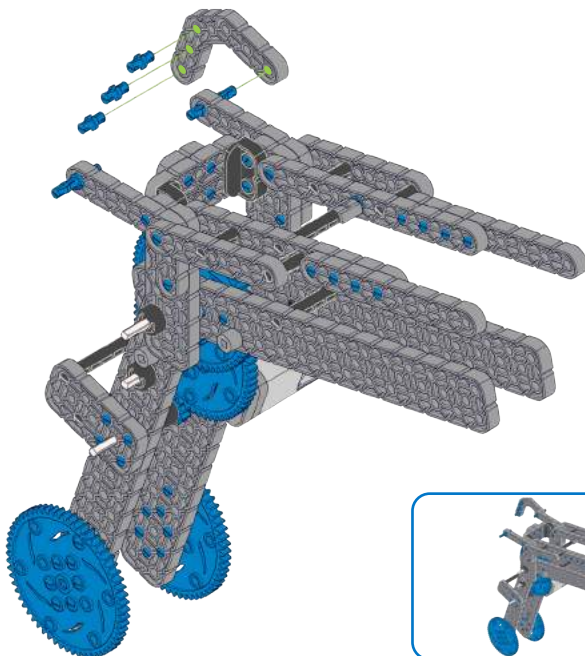
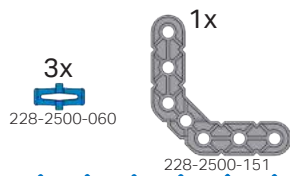
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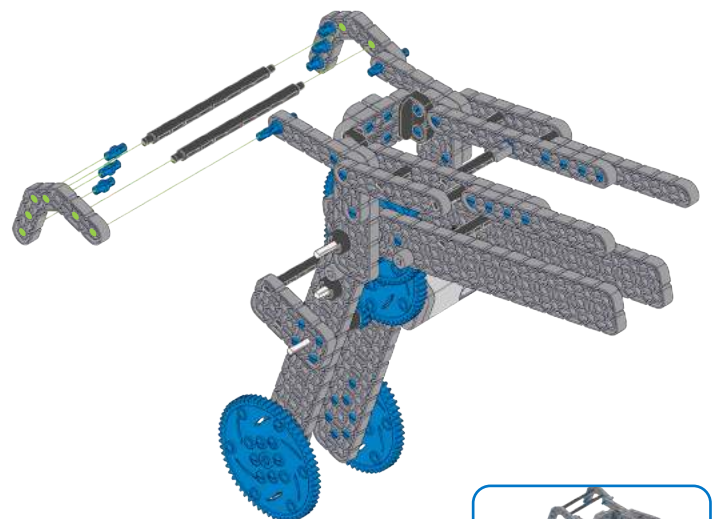
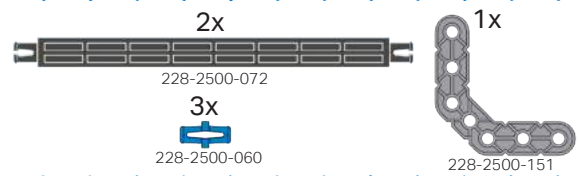
84



85



86



2x



228-2500-114

2x



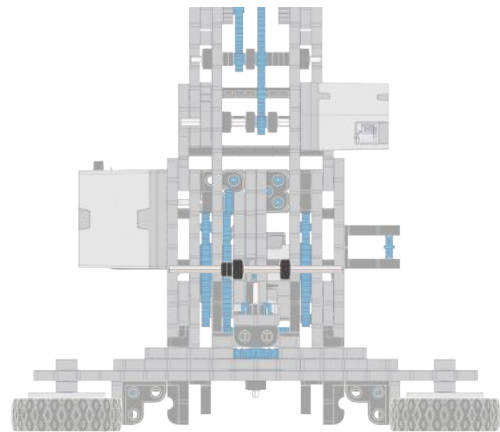
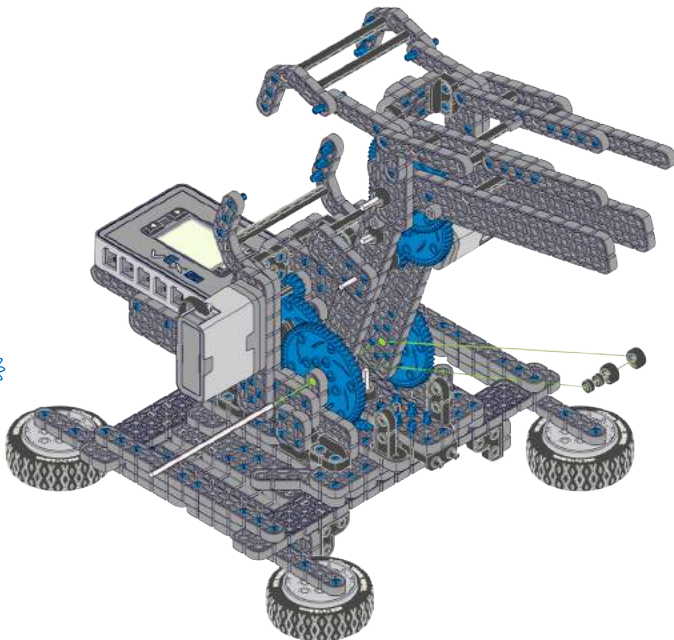
228-2500-143

1x



228-2500-124

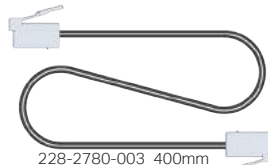
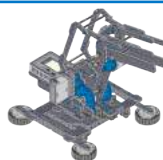
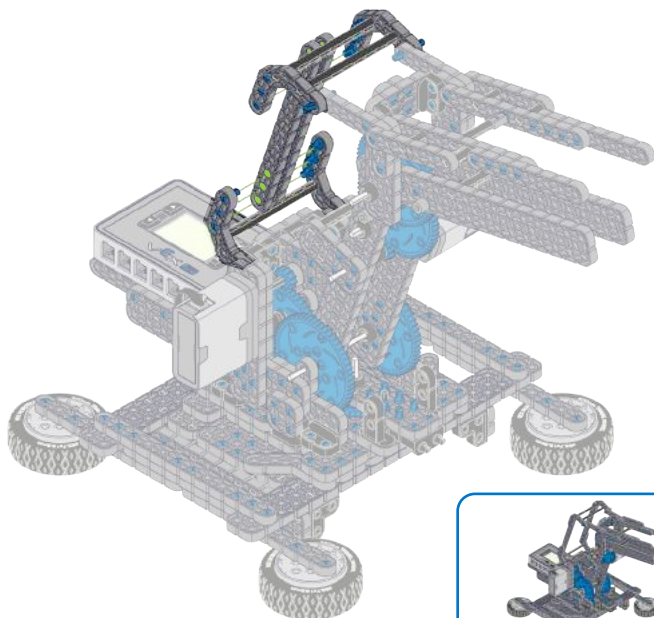
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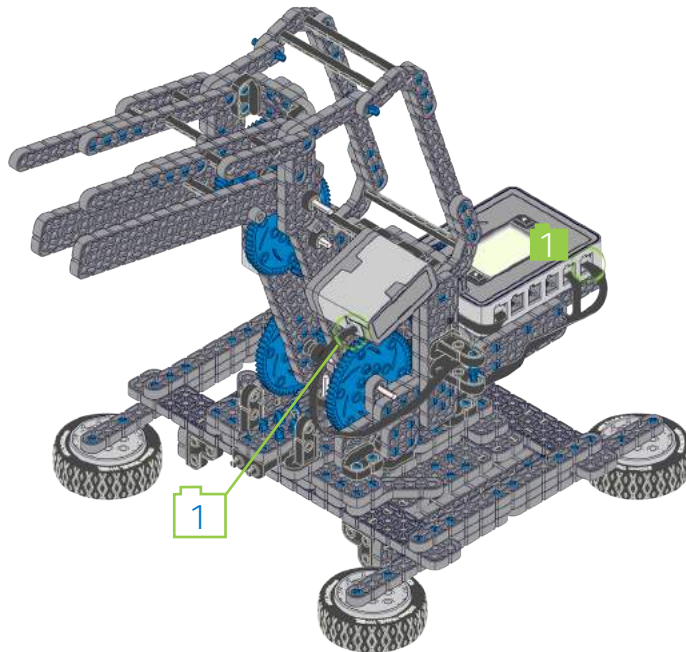
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228-2500-011

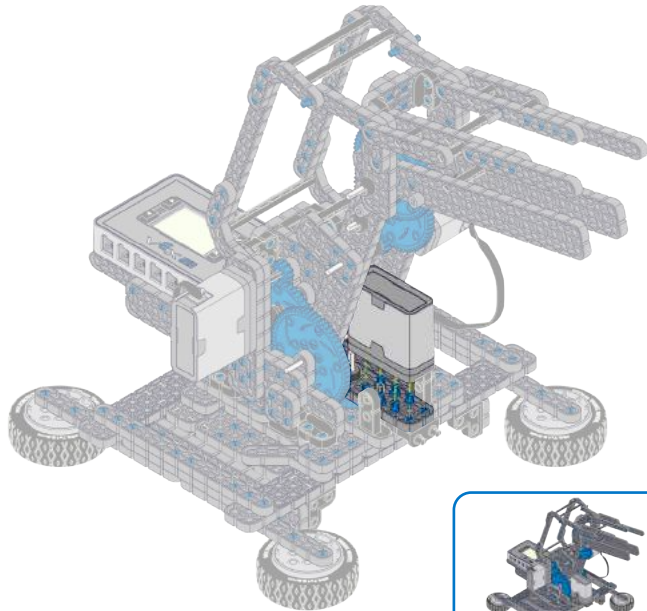
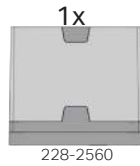


228-2780-003 400mm

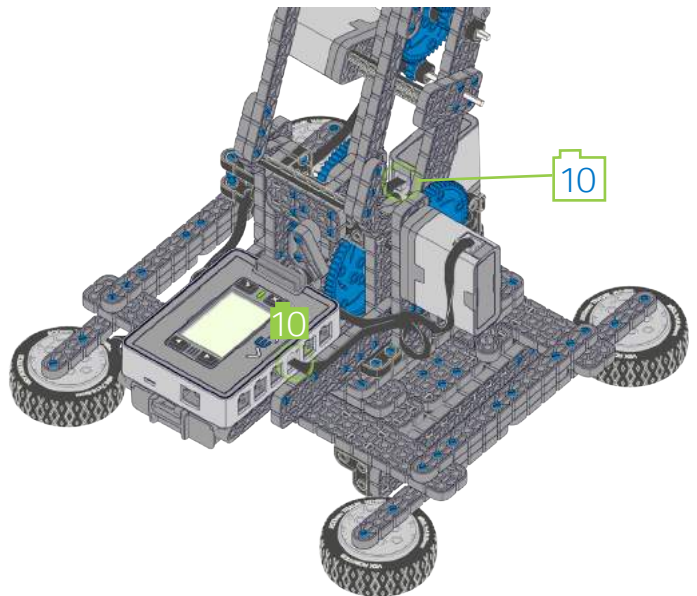
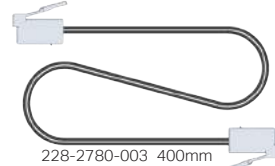


1

90

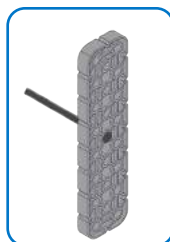
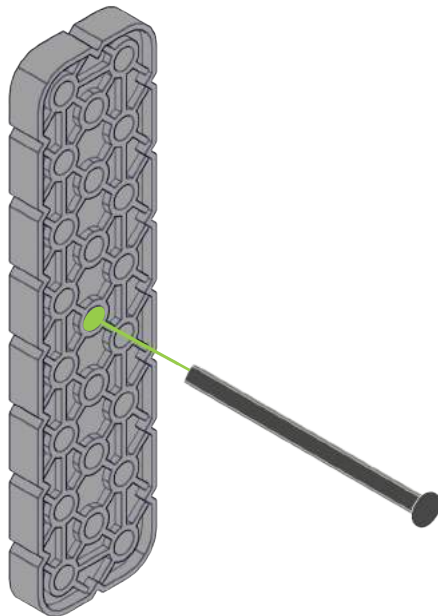
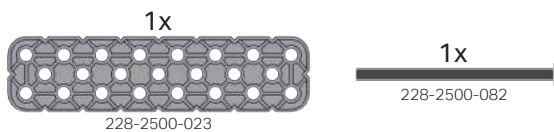


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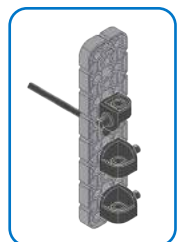
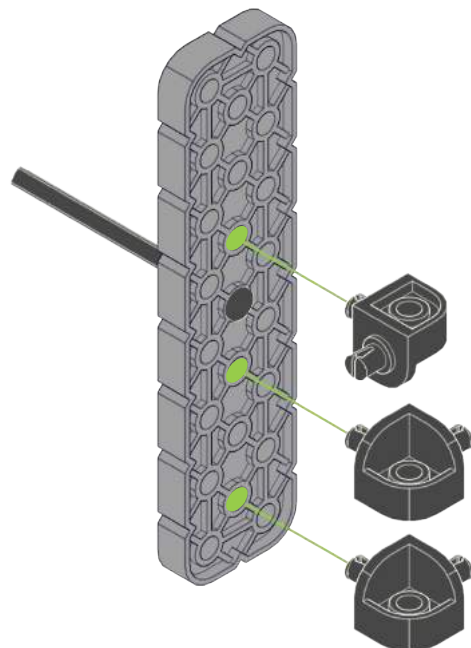


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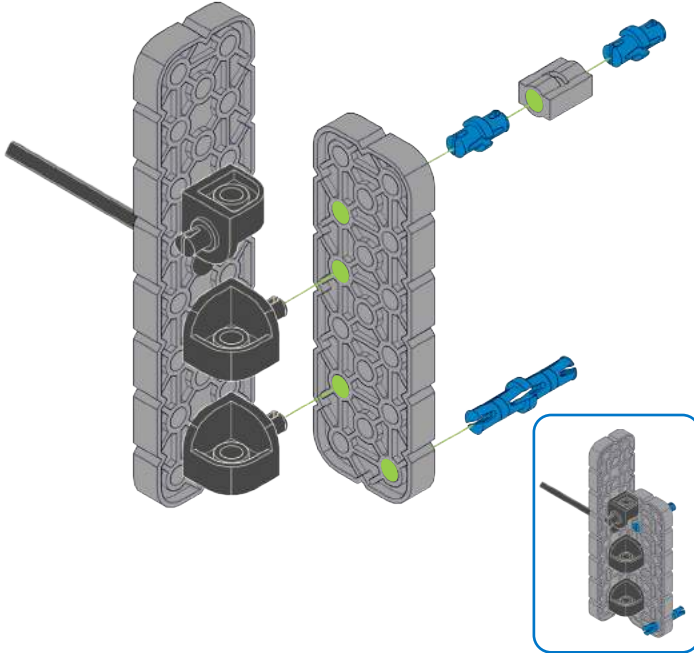
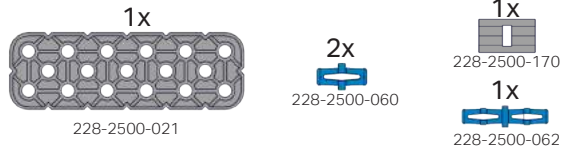
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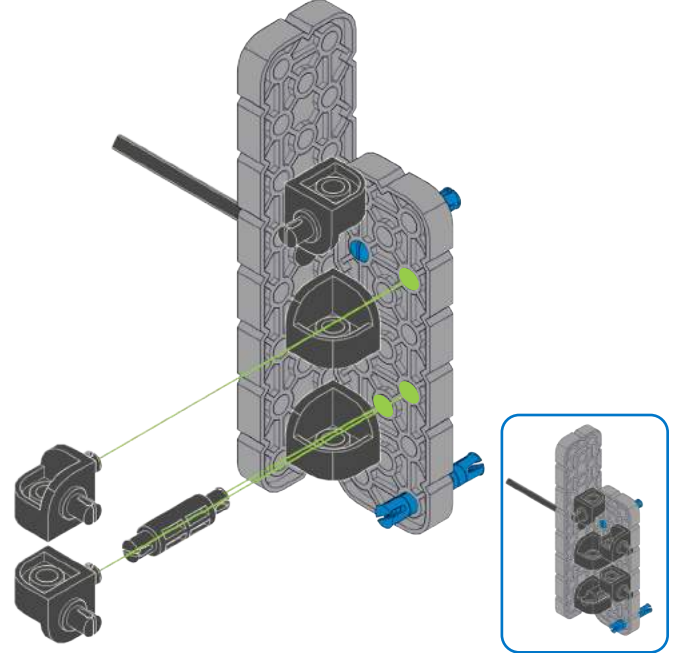
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94

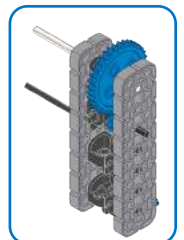
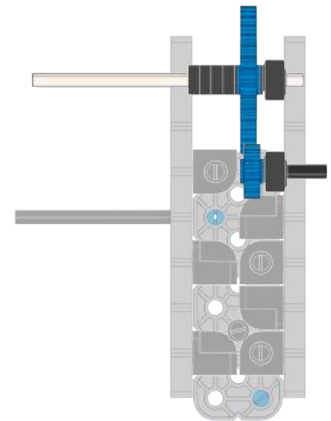
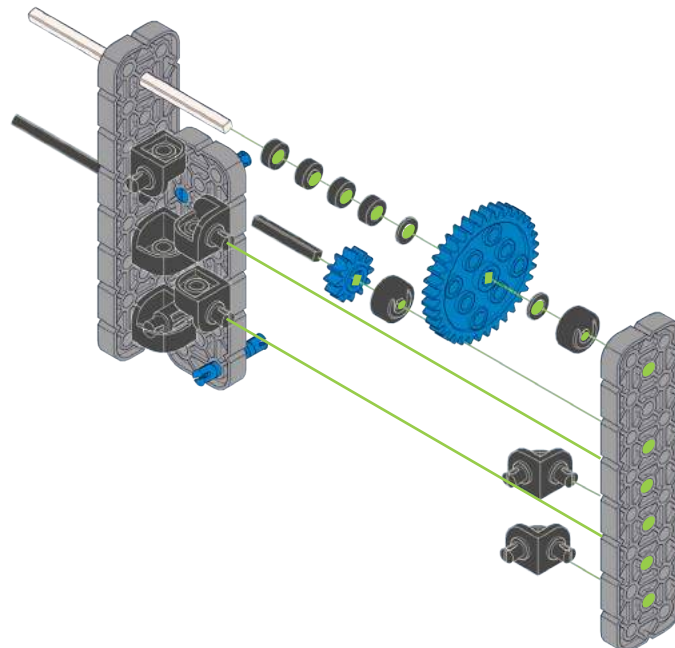
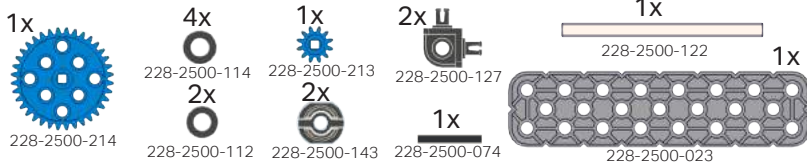


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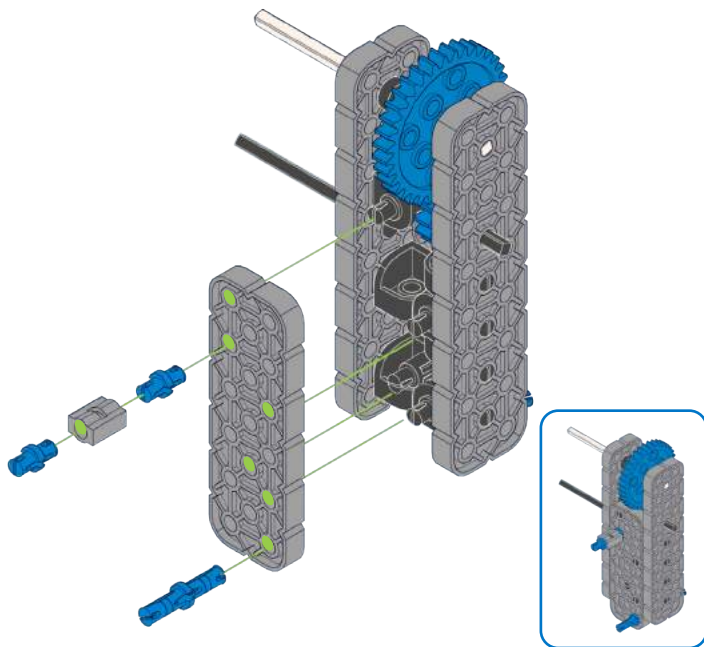
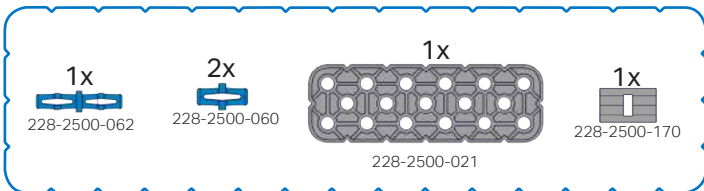


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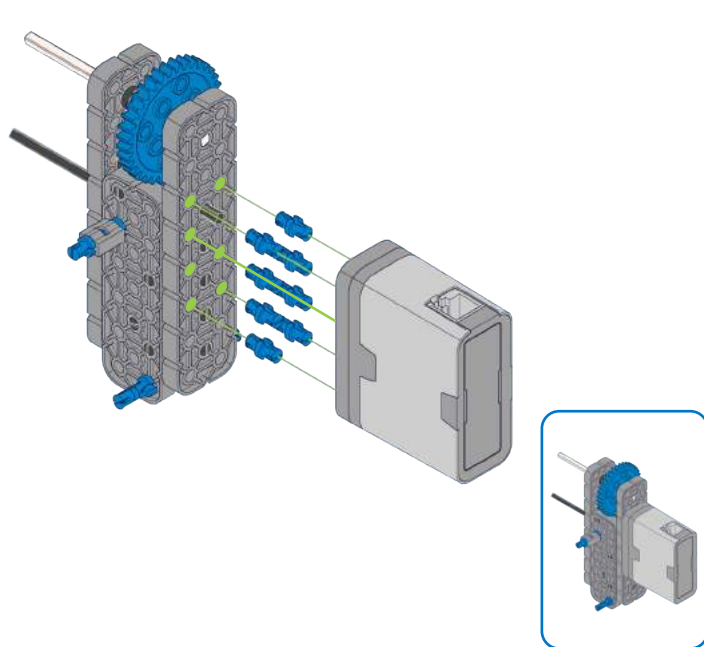
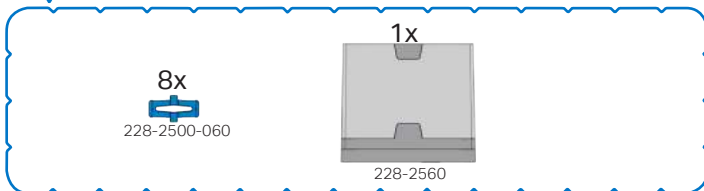
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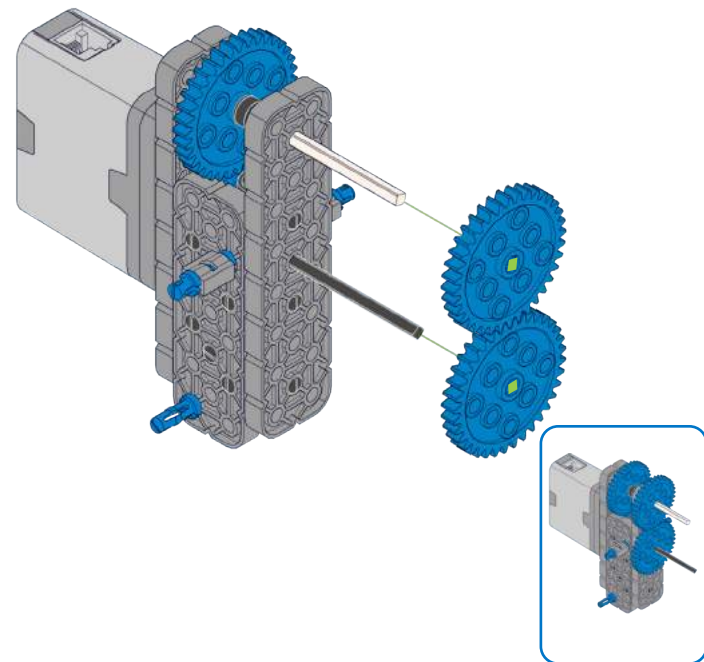
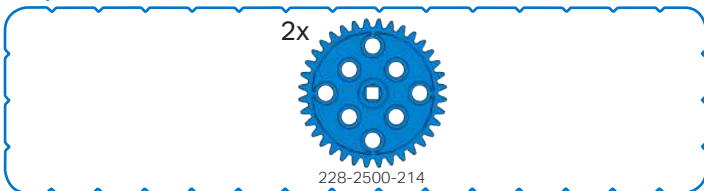
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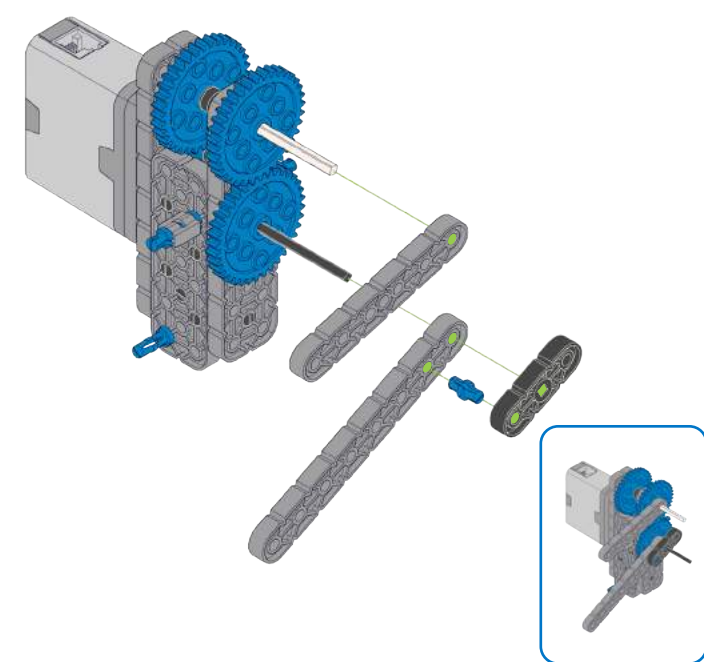
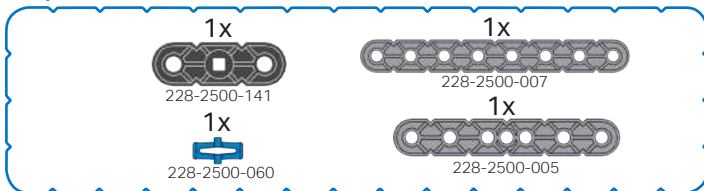
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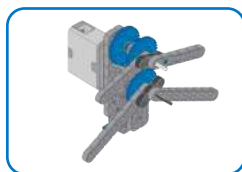
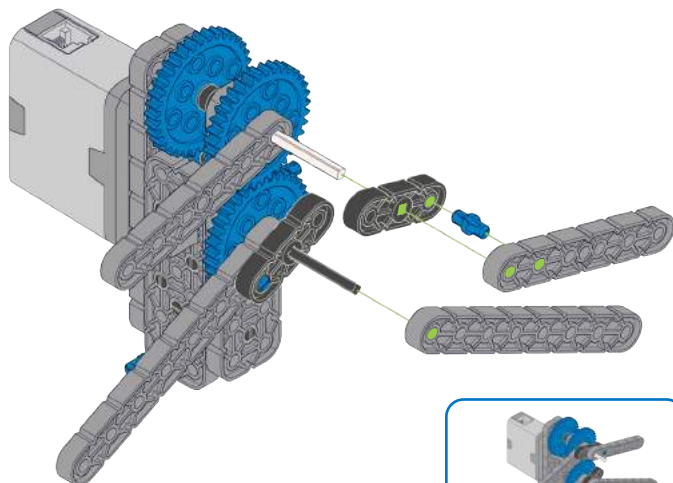
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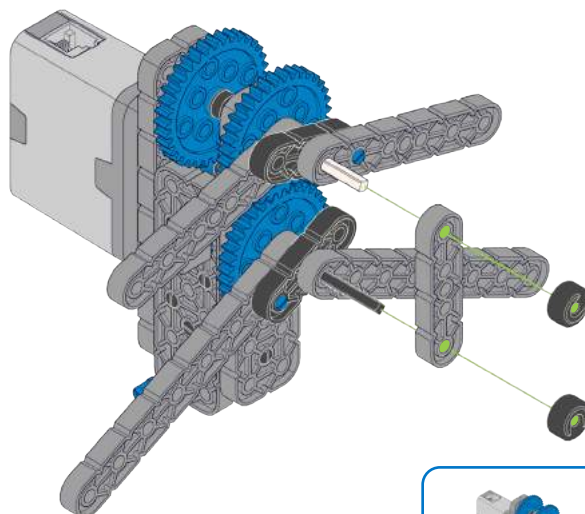
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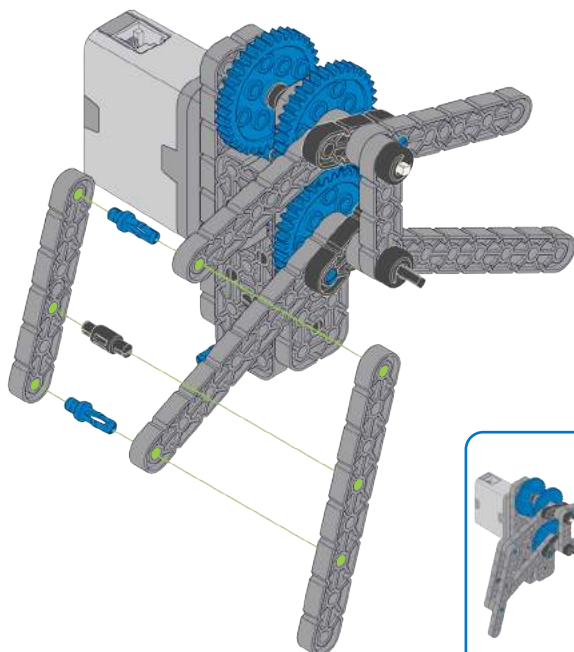
101

1x
228-2500-0601x
228-2500-1411x
228-2500-007
1x
228-2500-005

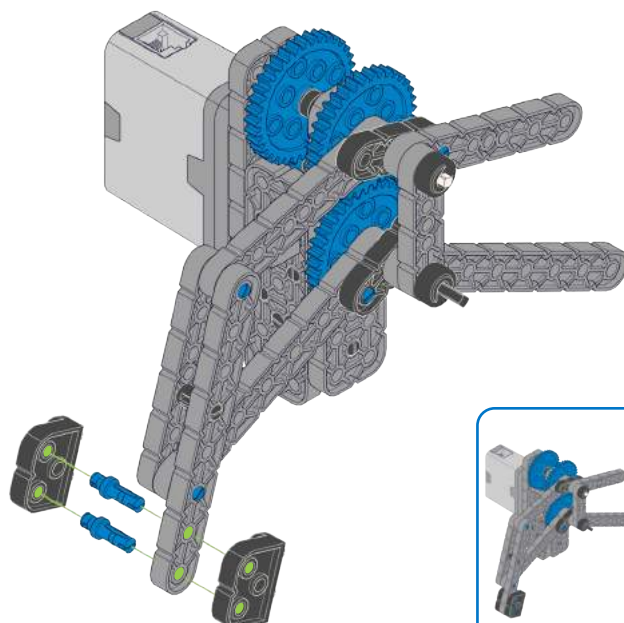
102

2x
228-2500-1431x
228-2500-003

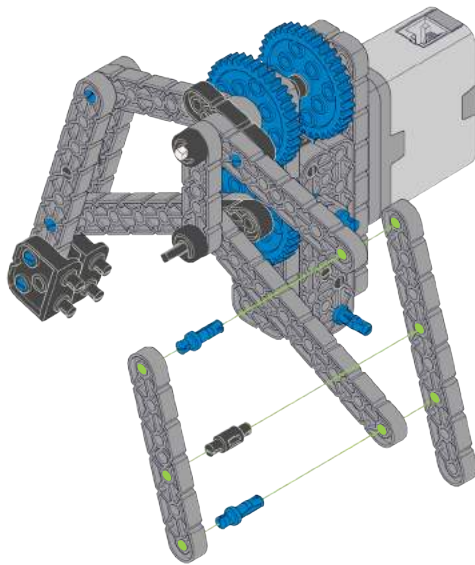
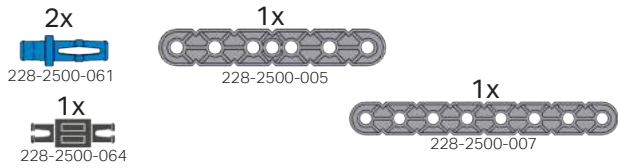
103

2x
228-2500-0611x
228-2500-0071x
228-2500-0641x
228-2500-005

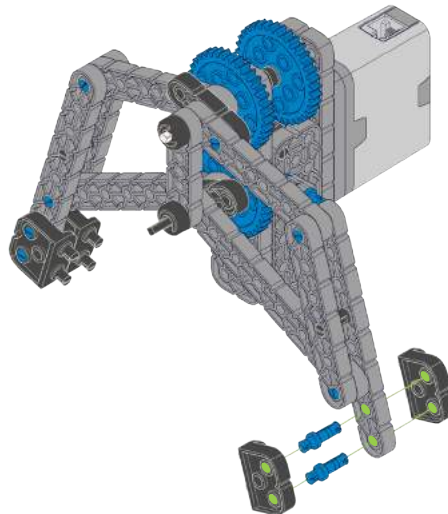
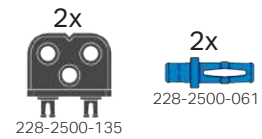
104

2x
228-2500-1352x
228-2500-061

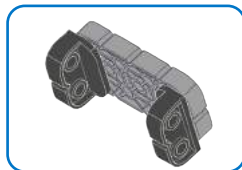
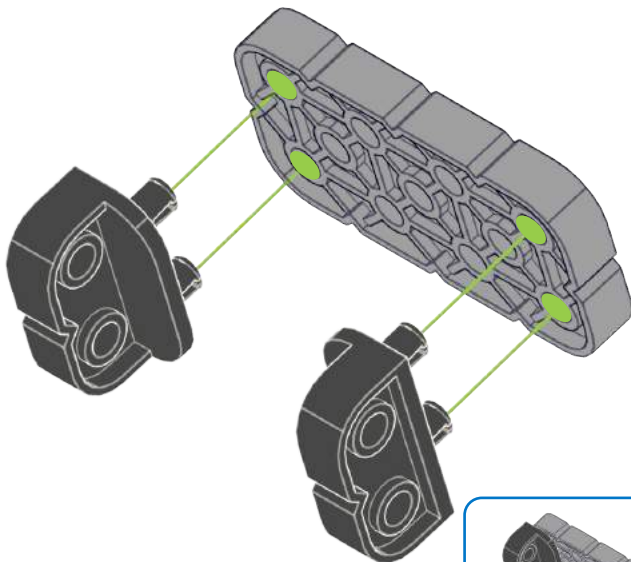
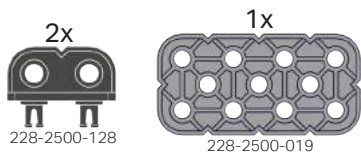
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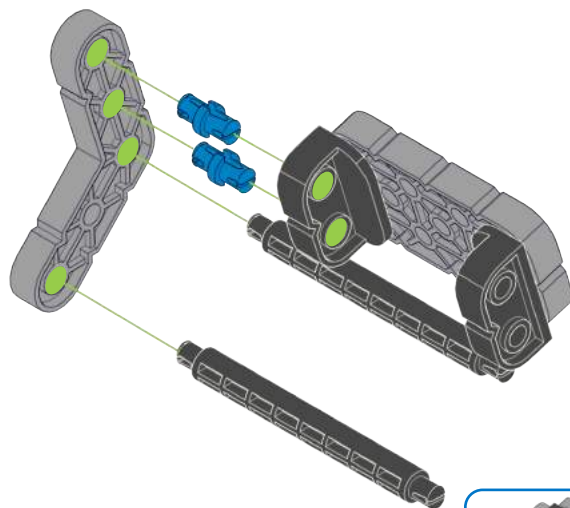
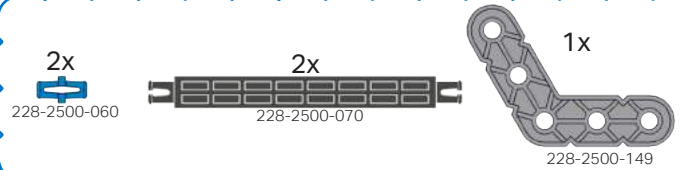
106



107



108



109

1x



228-2500-207

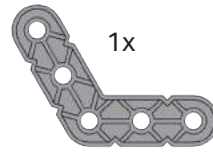


110

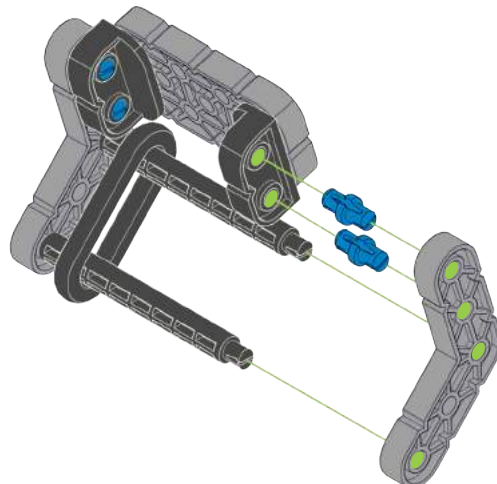
2x

228-2500-060

1x



228-2500-149



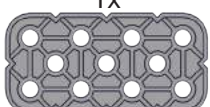
111

2x

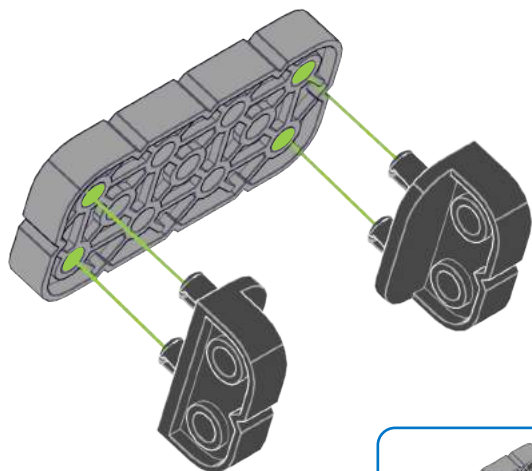


228-2500-128

1x



228-2500-019



112

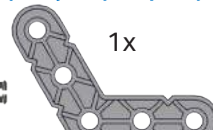
2x

228-2500-060

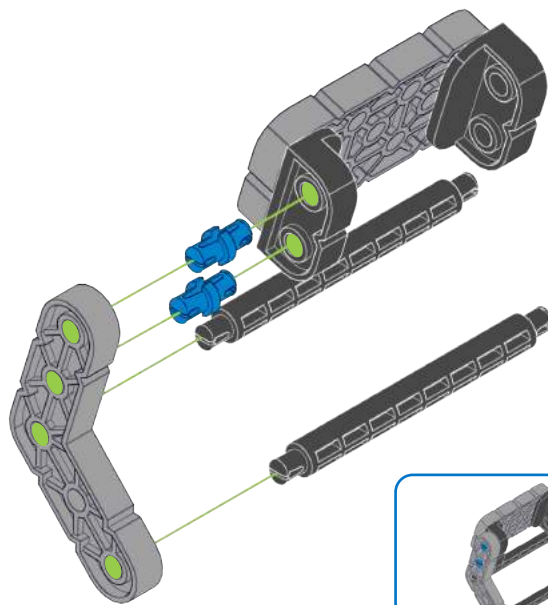
2x

228-2500-070

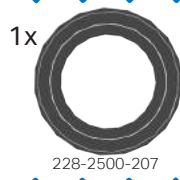
1x



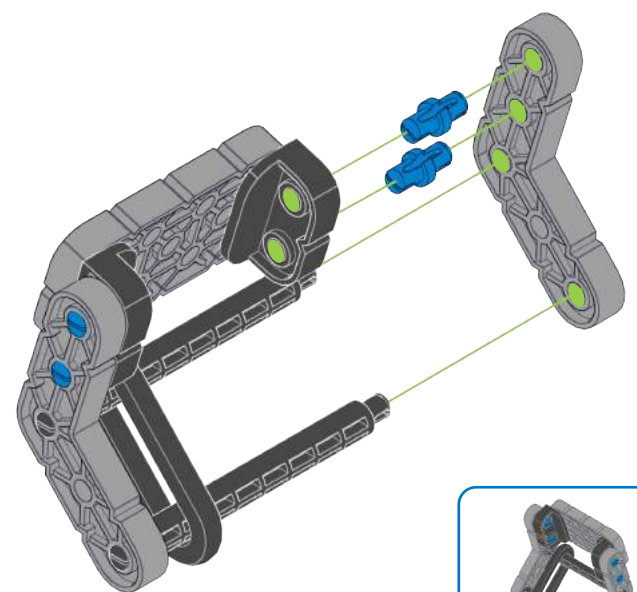
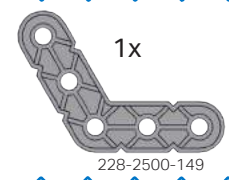
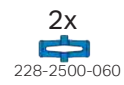
228-2500-149



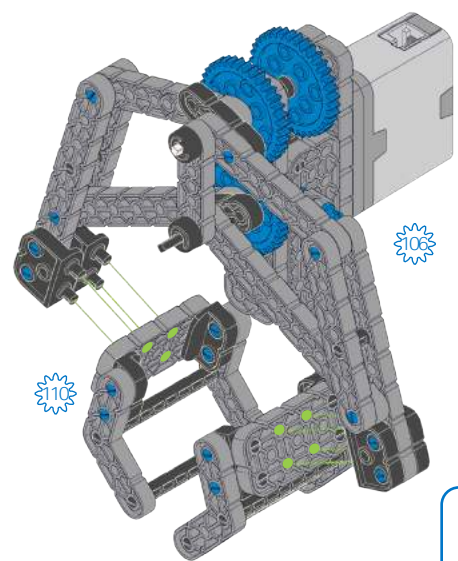
113



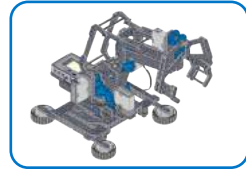
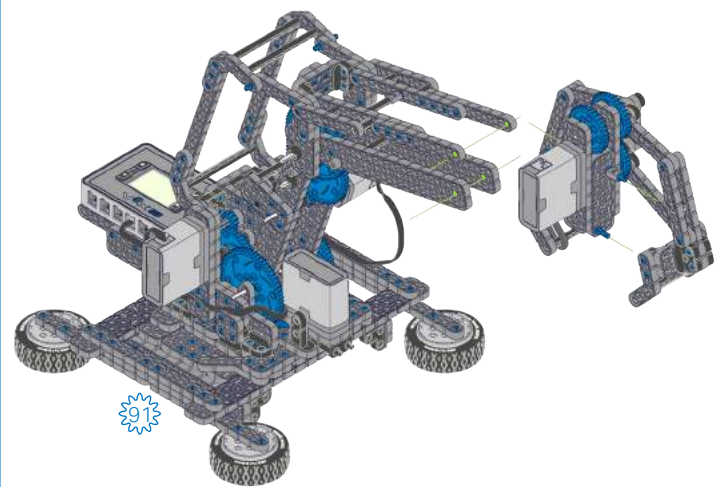
114



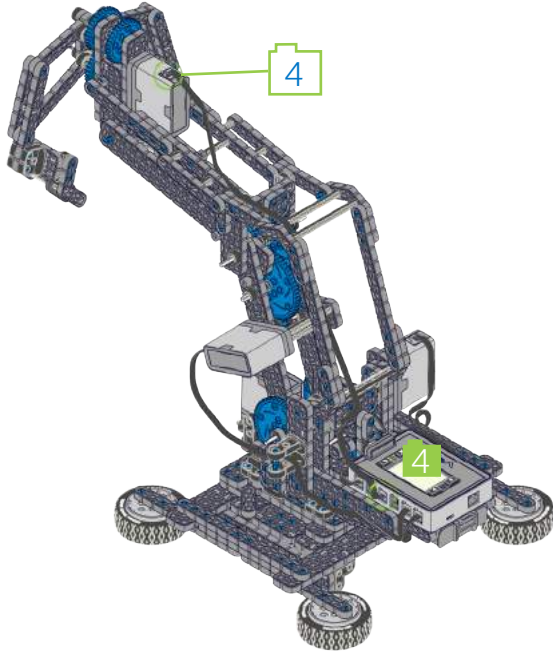
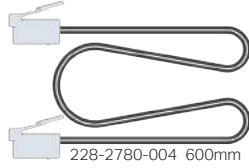
115



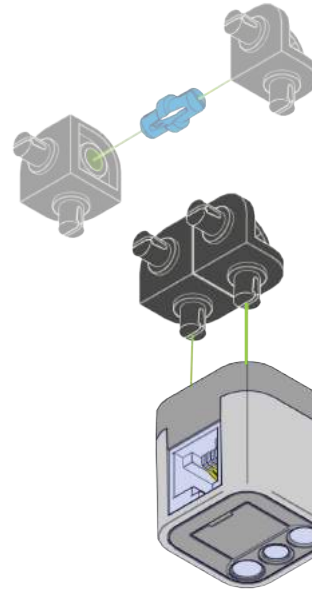
116



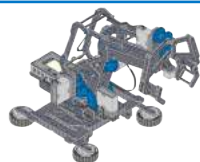
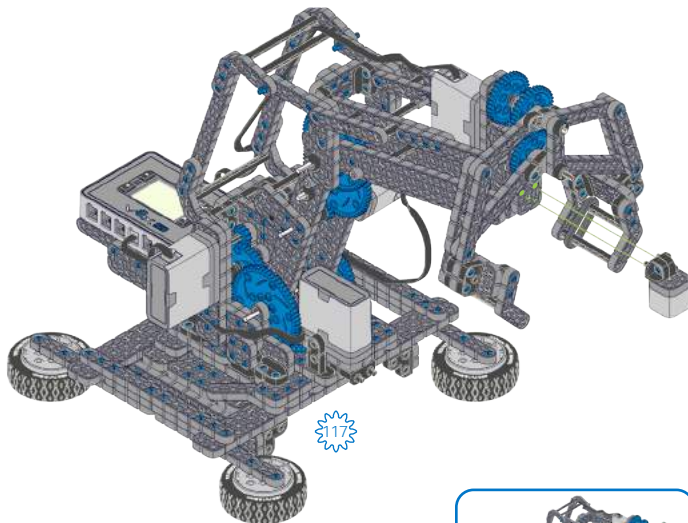
117



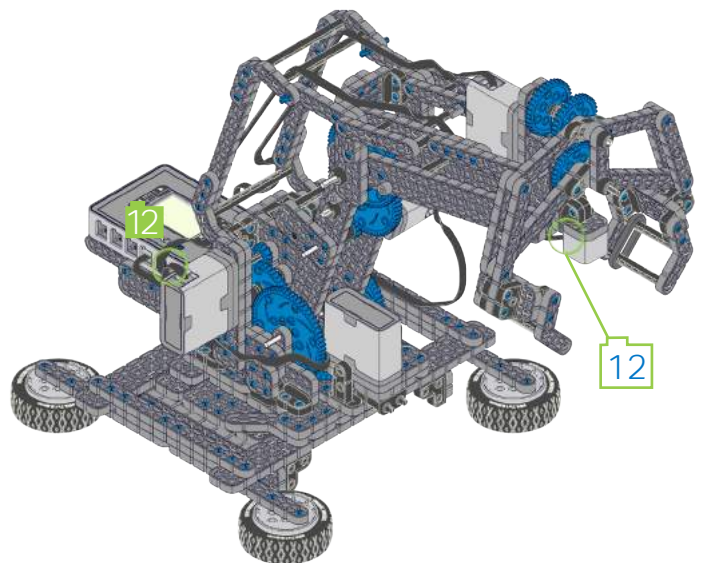
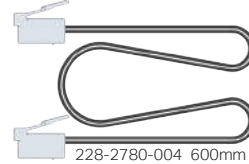
118



119



120

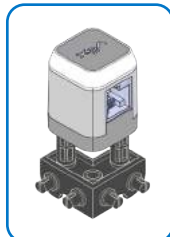
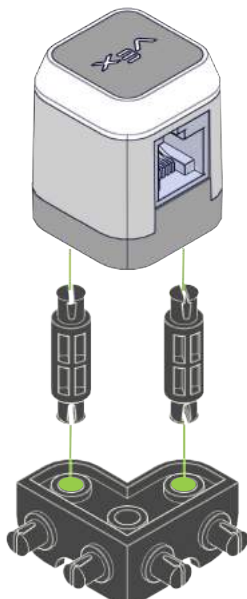


121 121

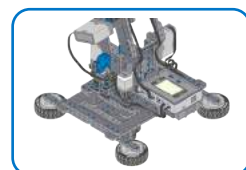
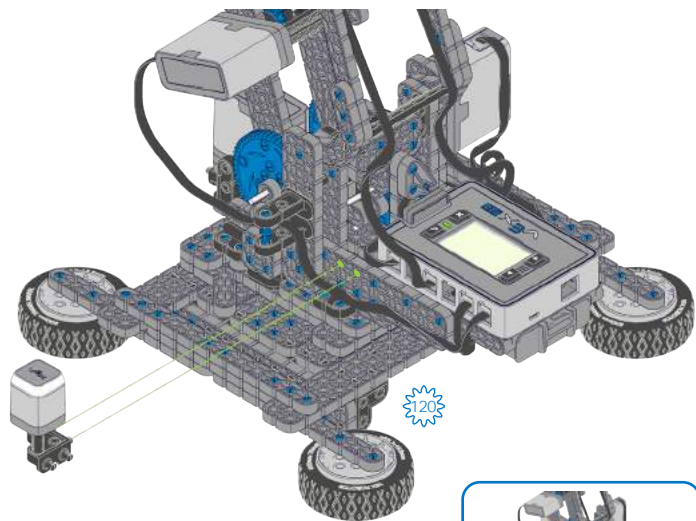
2x
228-2500-065

1x
228-2500-126

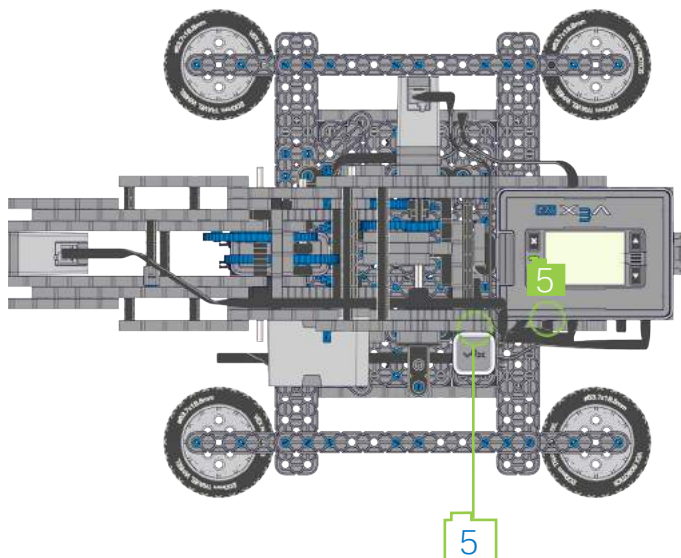
1x
228-3010



122



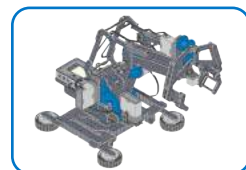
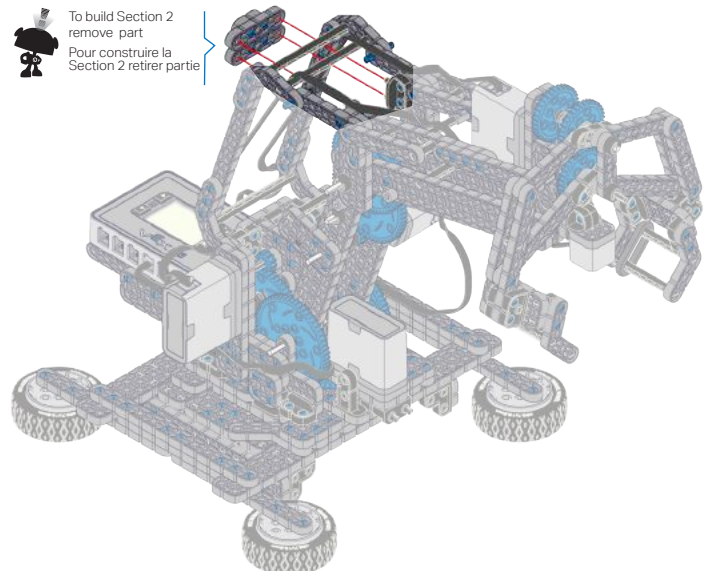
123



124



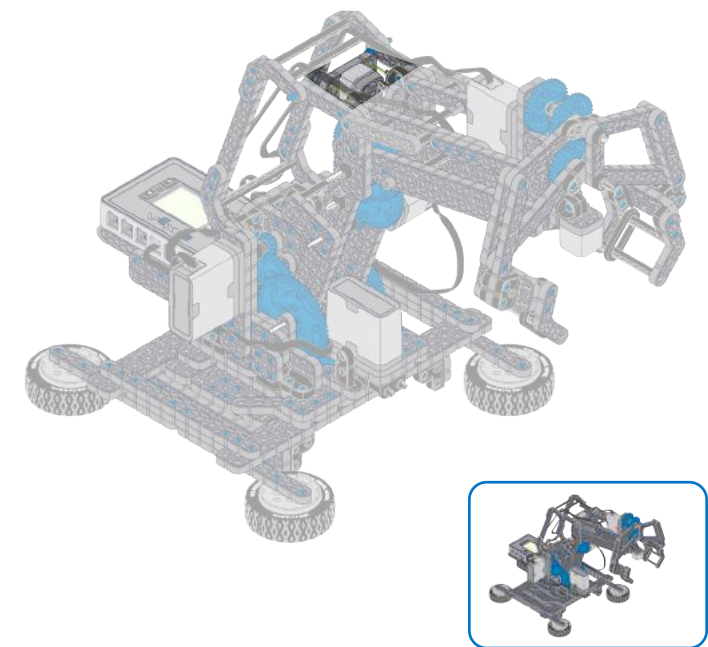
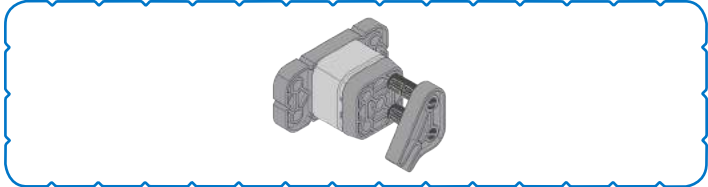
To build Section 2
remove part
Pour construire la
Section 2 retirer partie



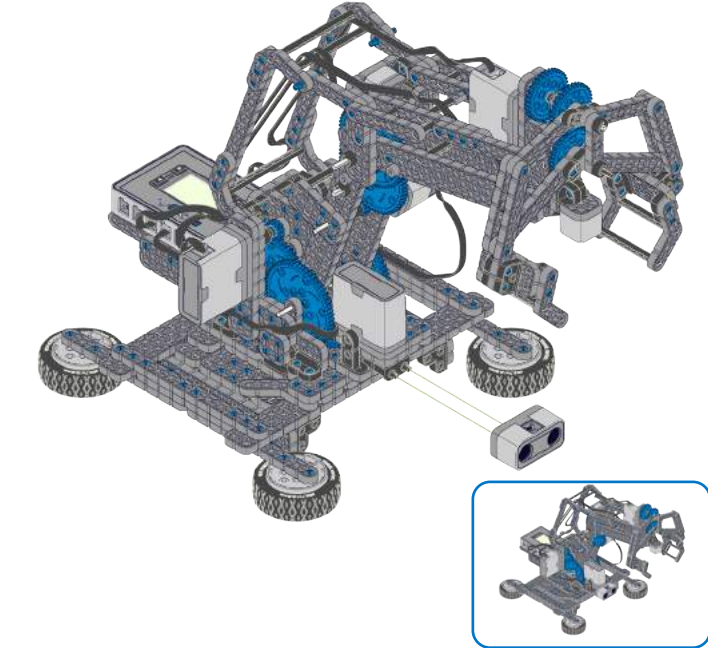
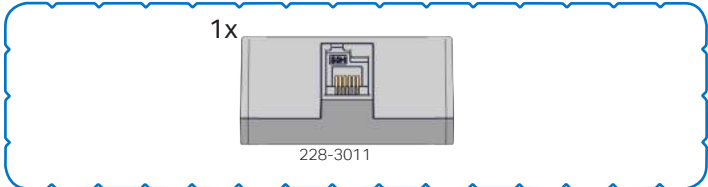
Armbot IQ with Sensors

2 Armbot IQ avec Capteurs

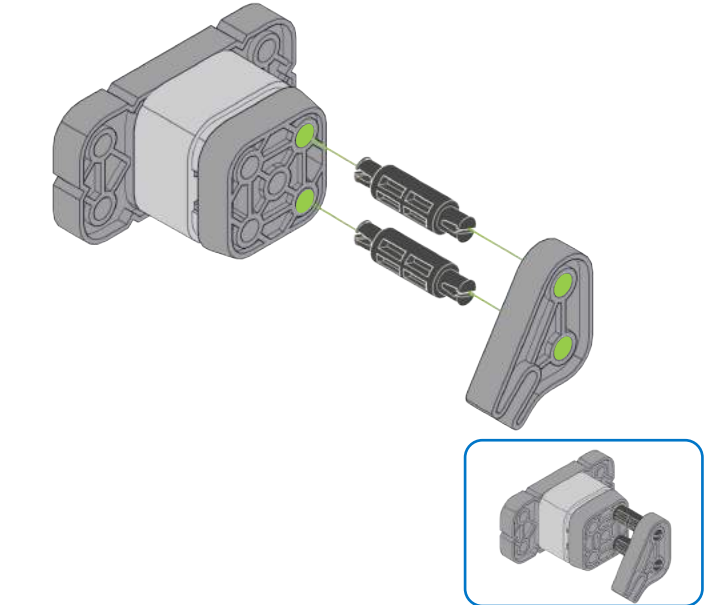
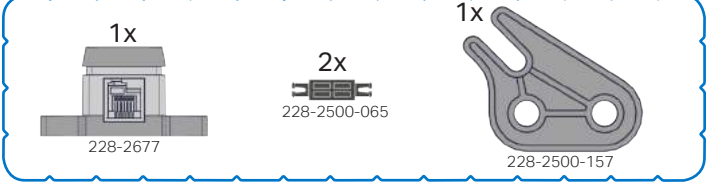
126



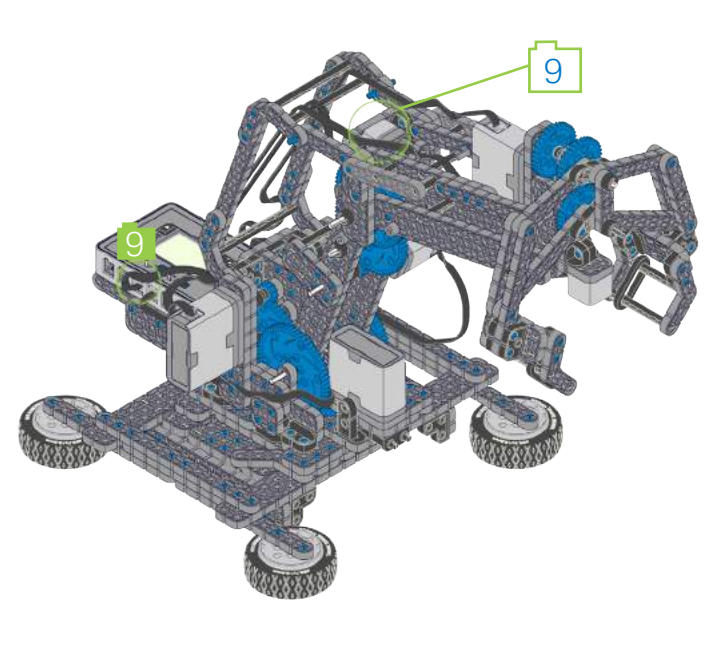
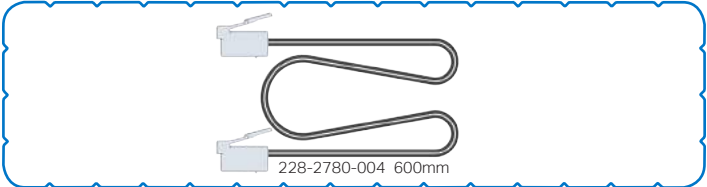
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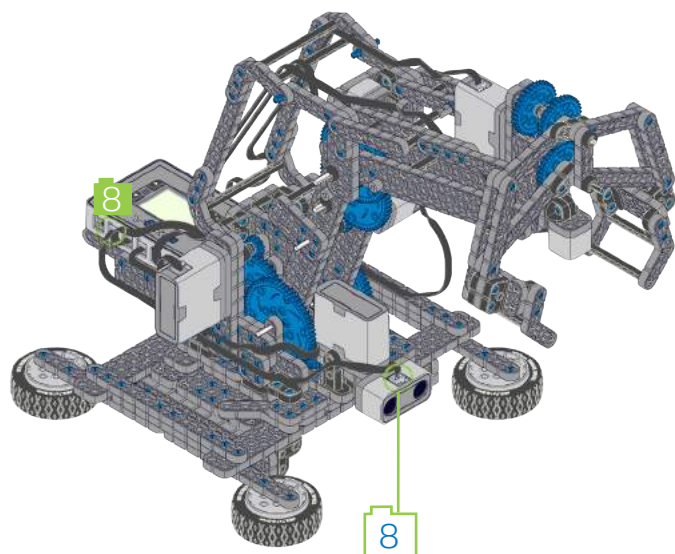
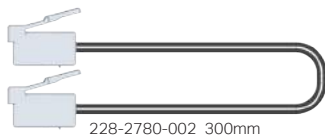
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127



129



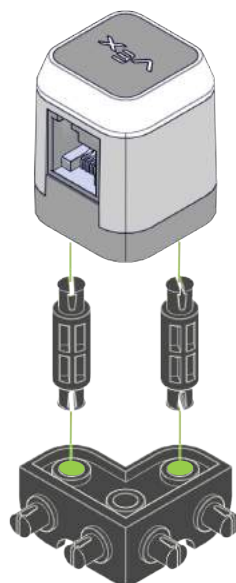
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130

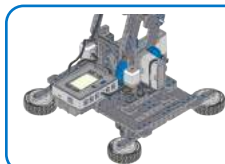
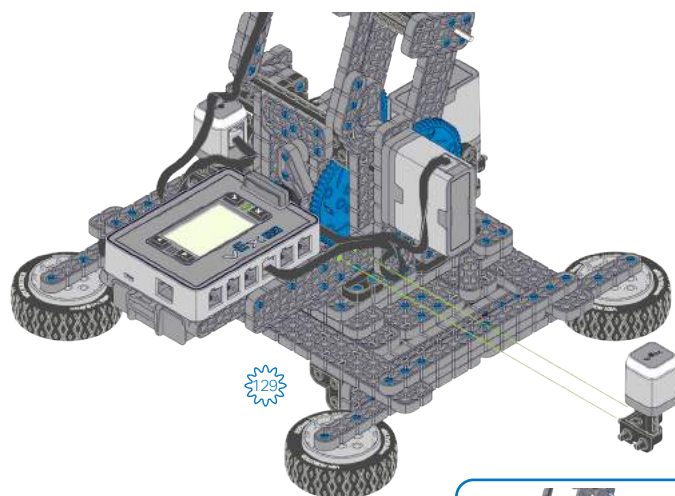
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228-2500-065

1x
228-2500-126

1x
228-3010

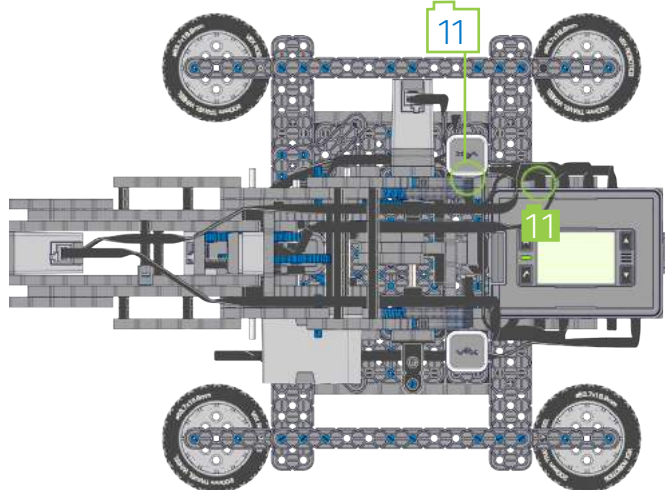


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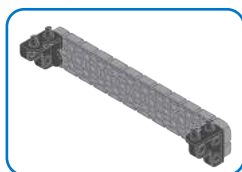
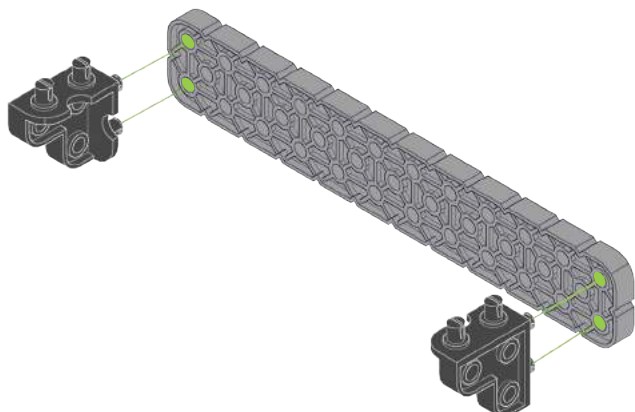
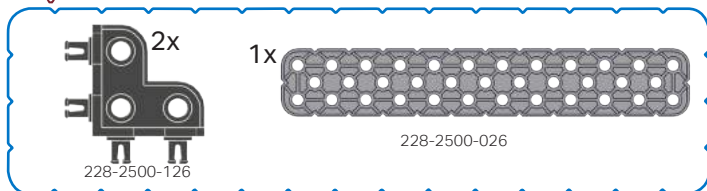


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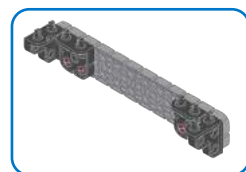
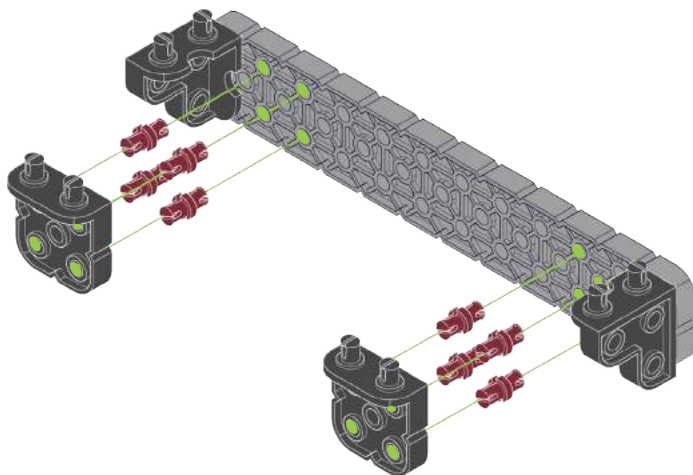
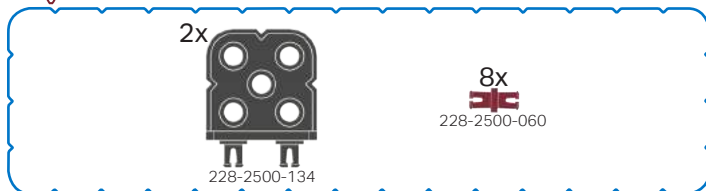
228-2780-001 200mm



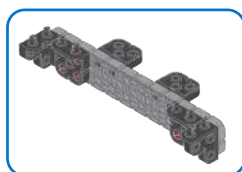
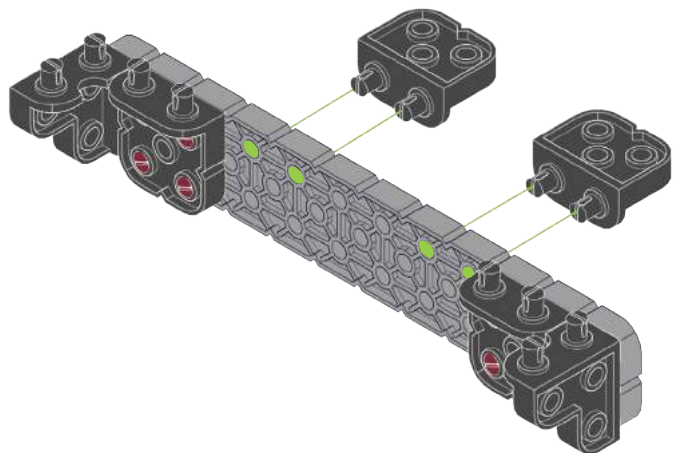
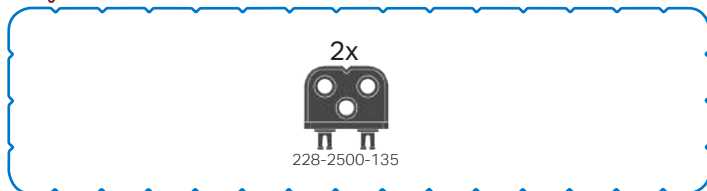
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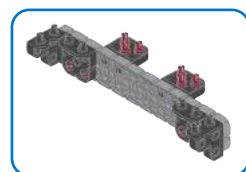
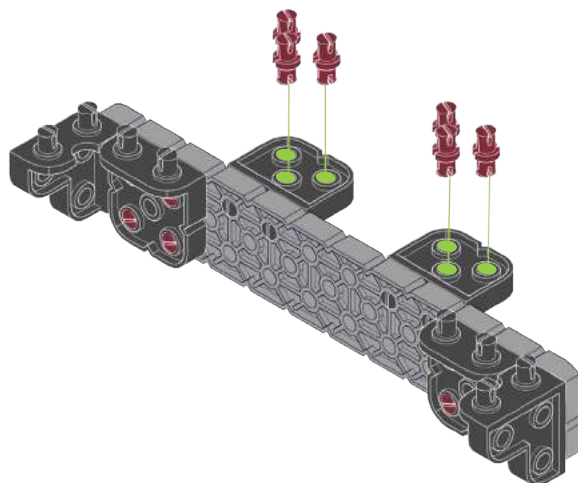
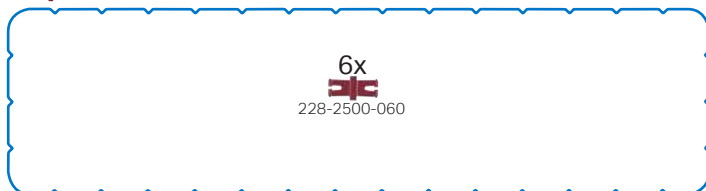
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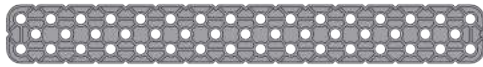


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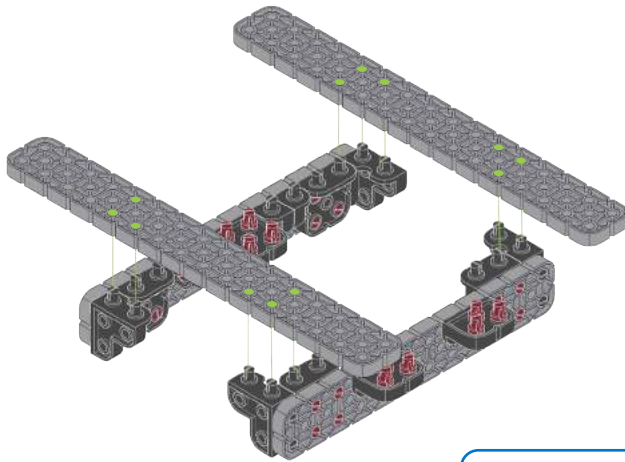


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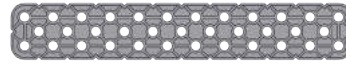


228-2500-028



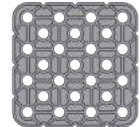
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2x

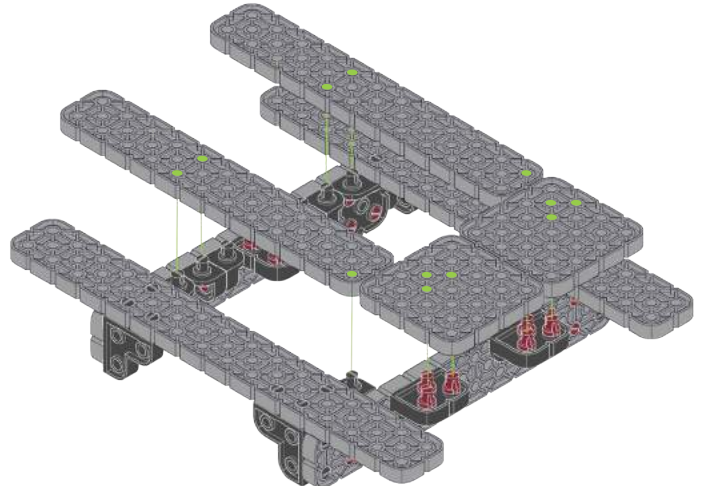


228-2500-026

2x



228-2500-040



11

1x



228-2500-011

4x

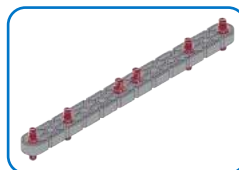
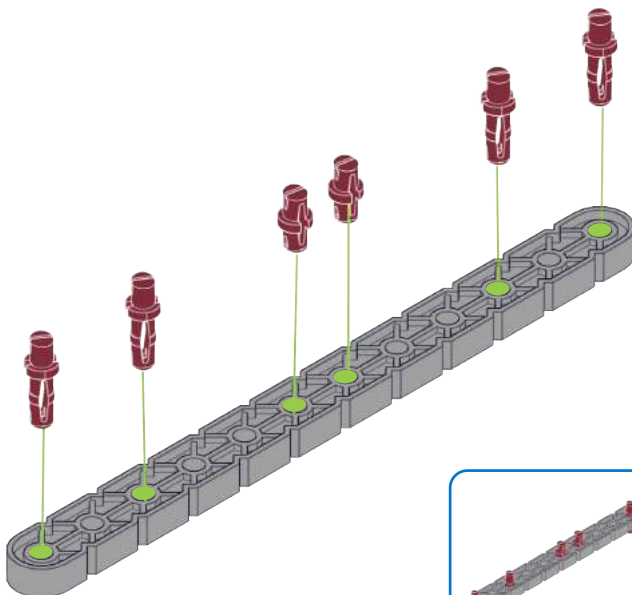


228-2500-061

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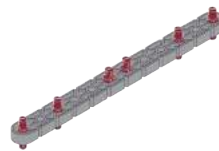


228-2500-060



12

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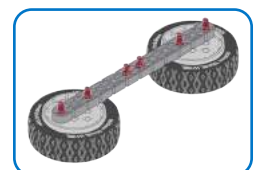
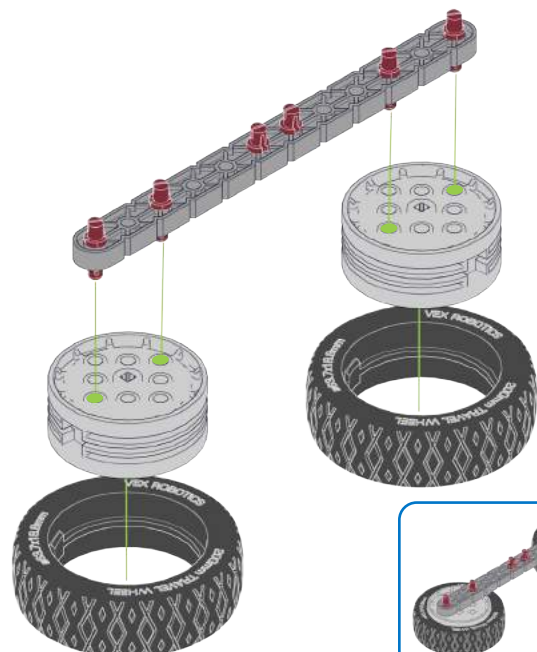


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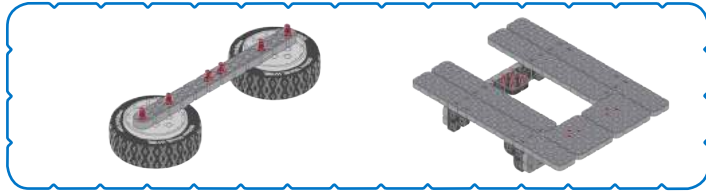
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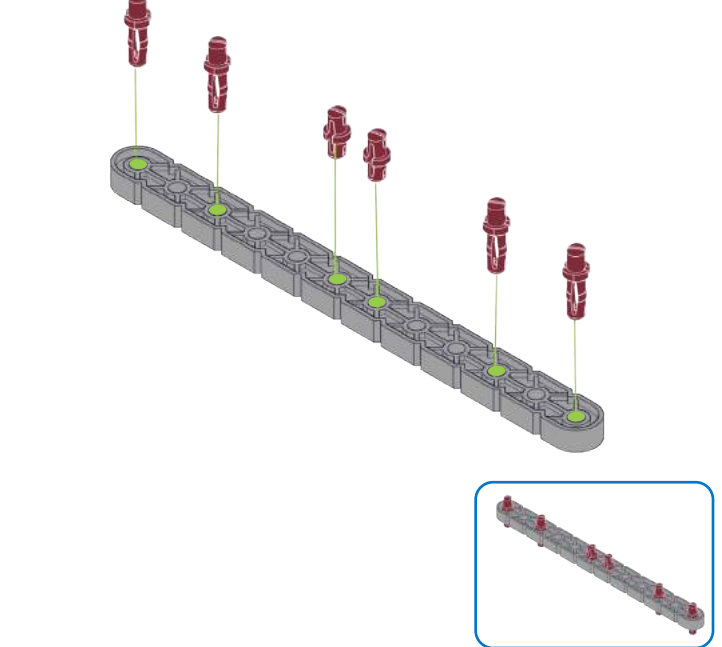
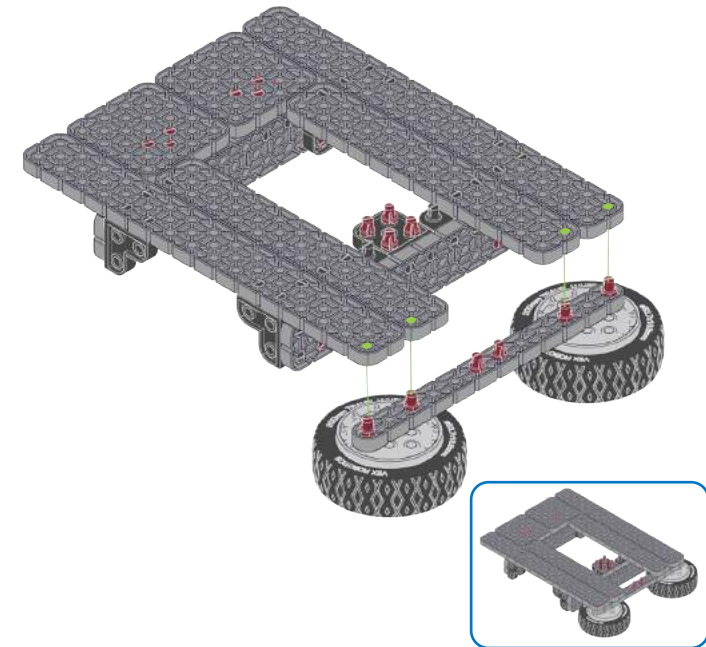
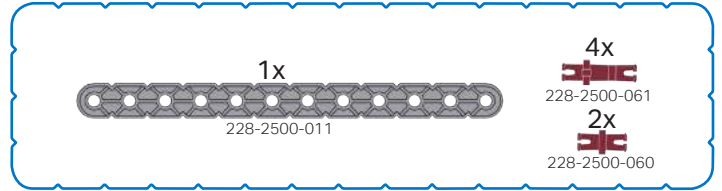
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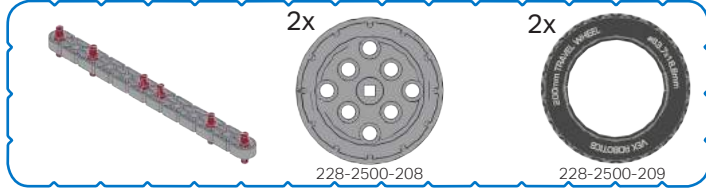
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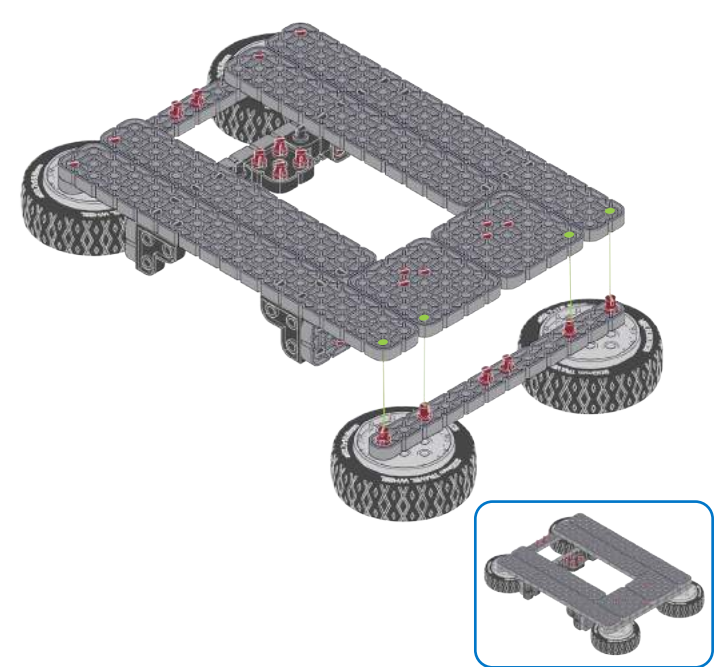
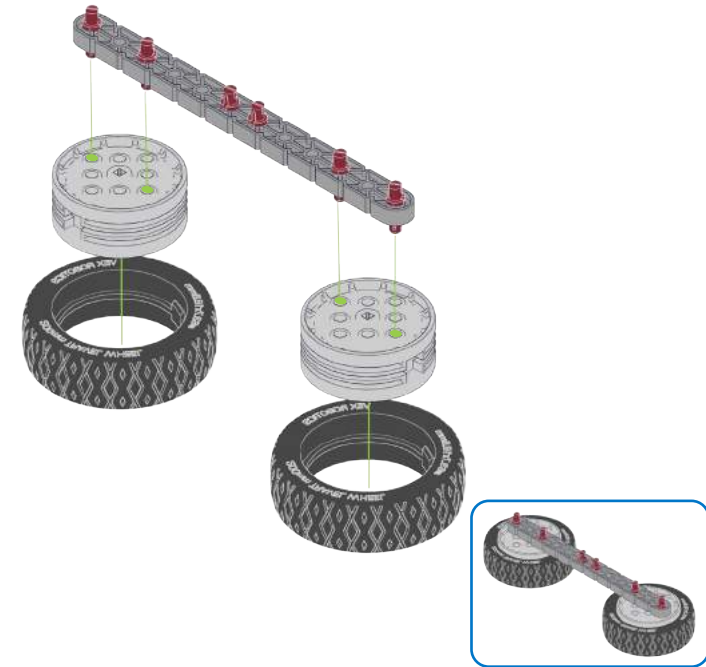
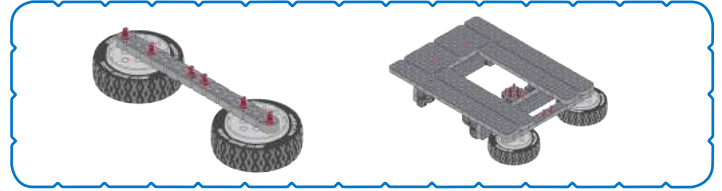
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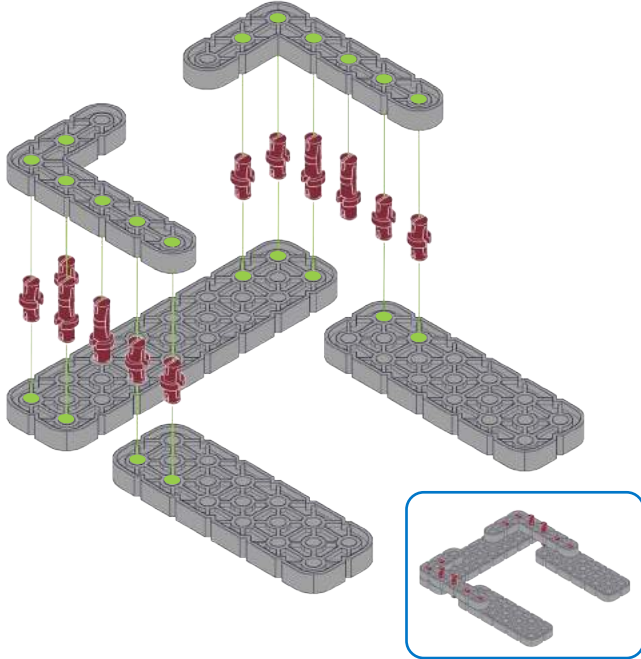
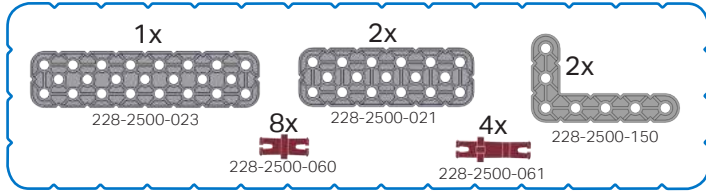
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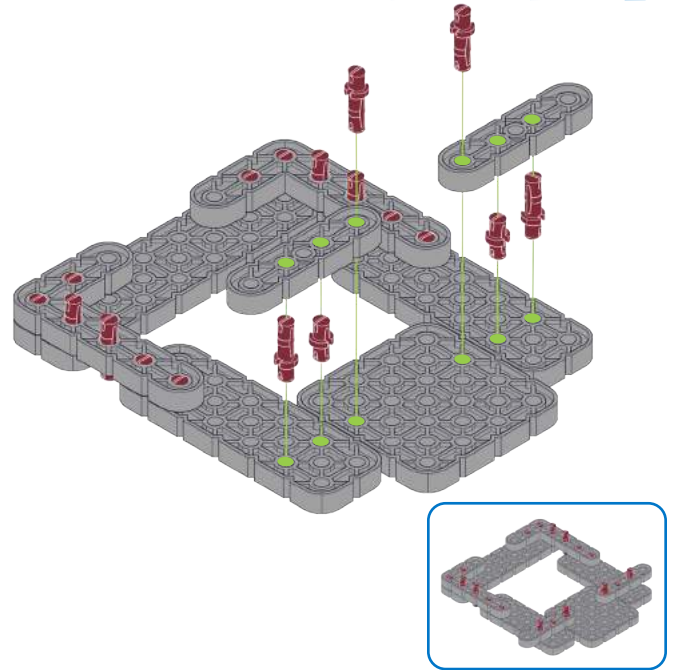
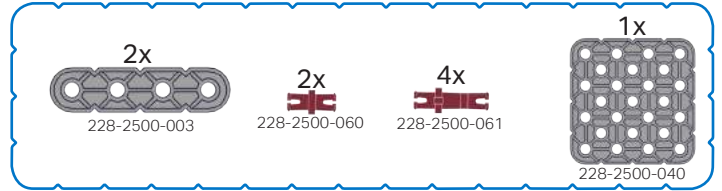
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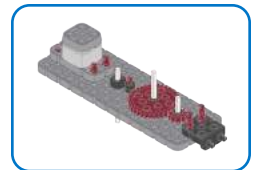
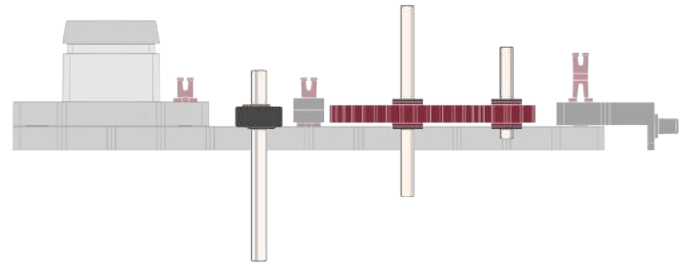
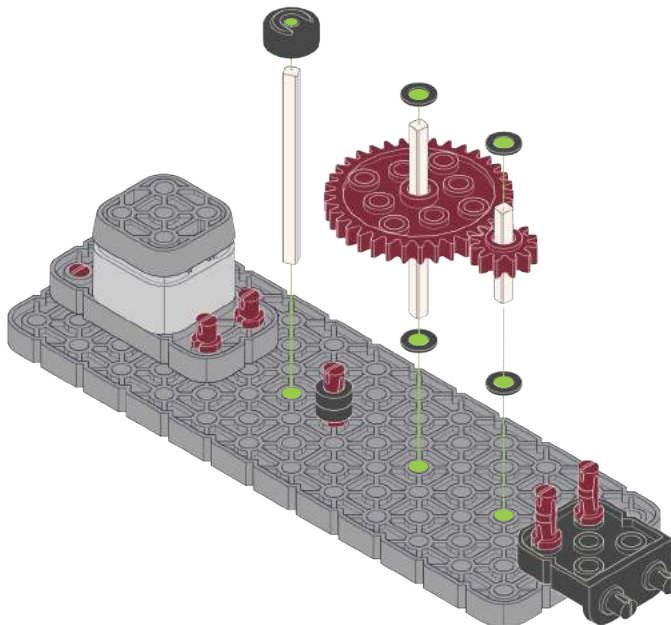
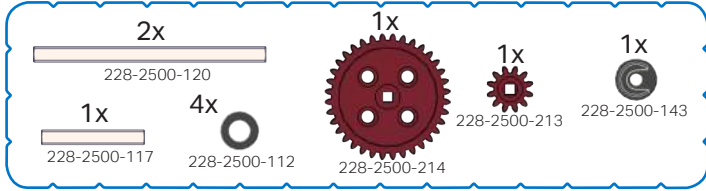
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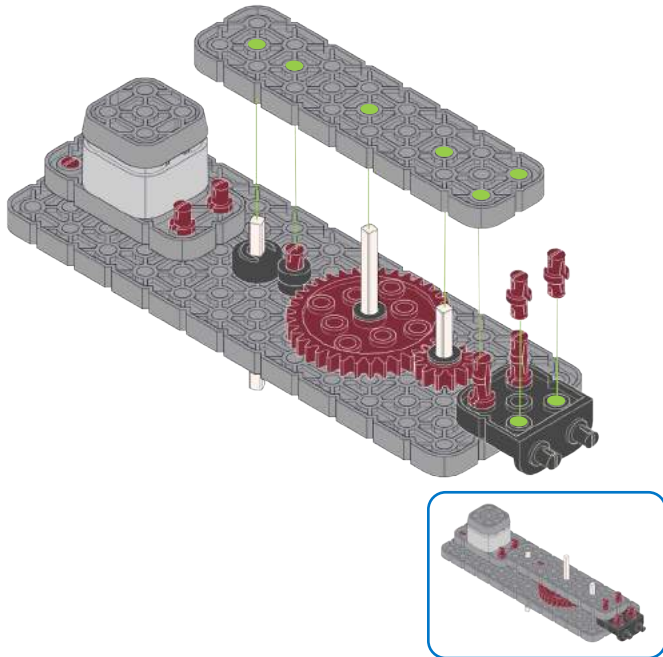
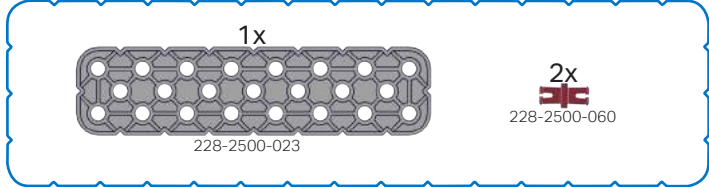
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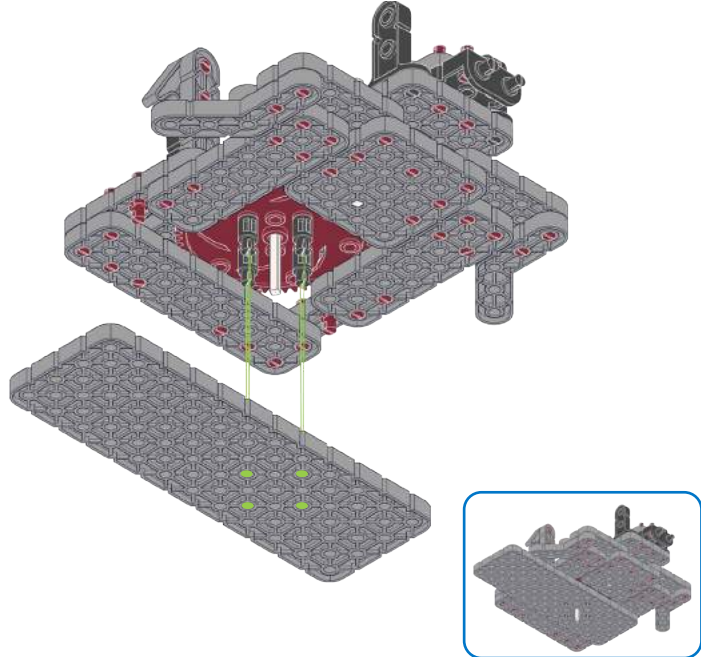
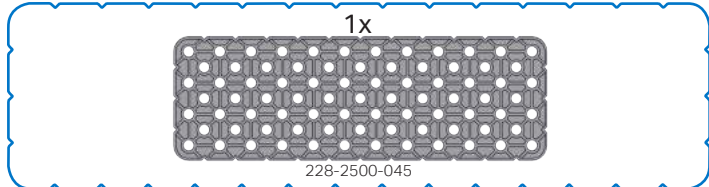
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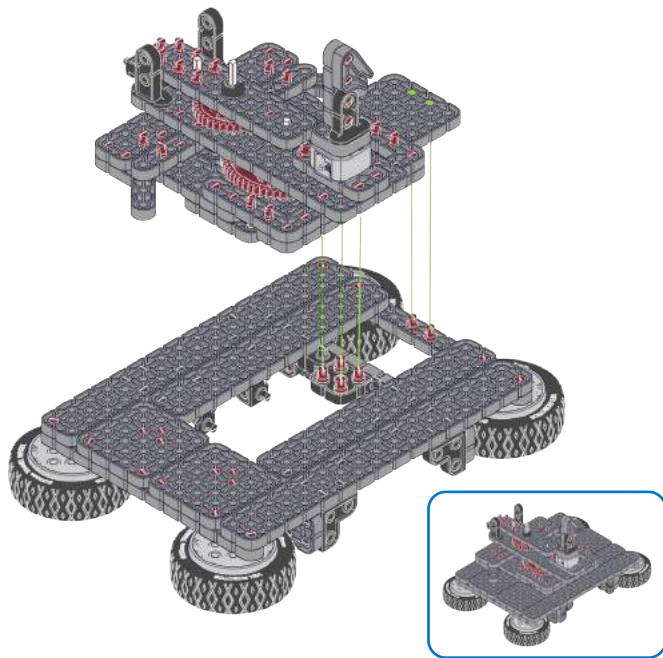
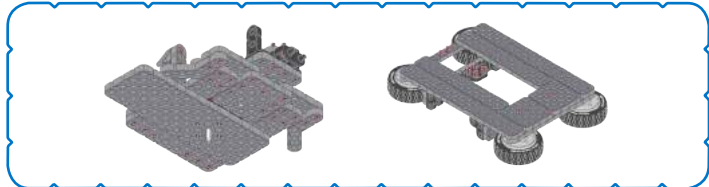
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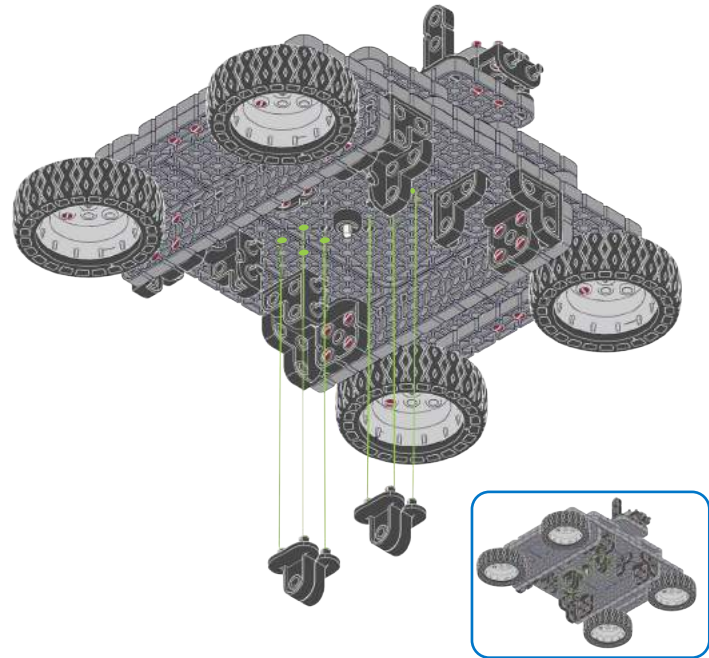
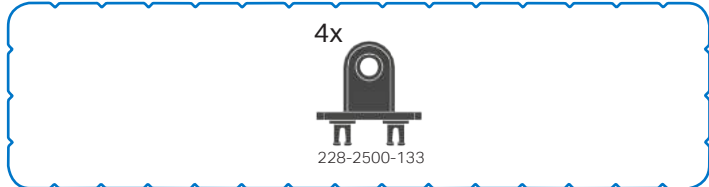
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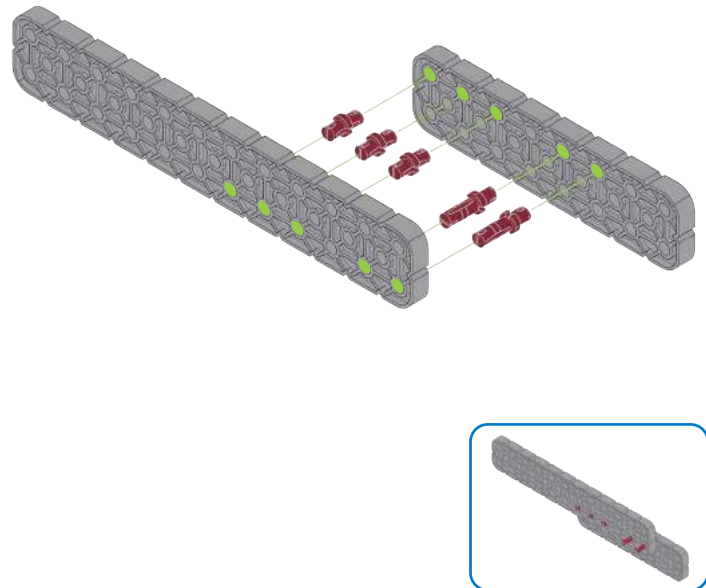
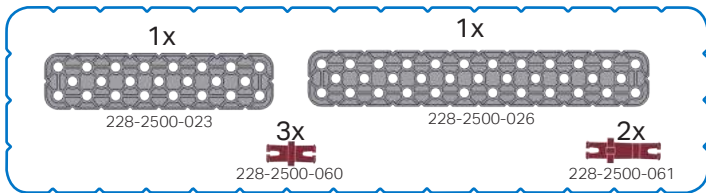
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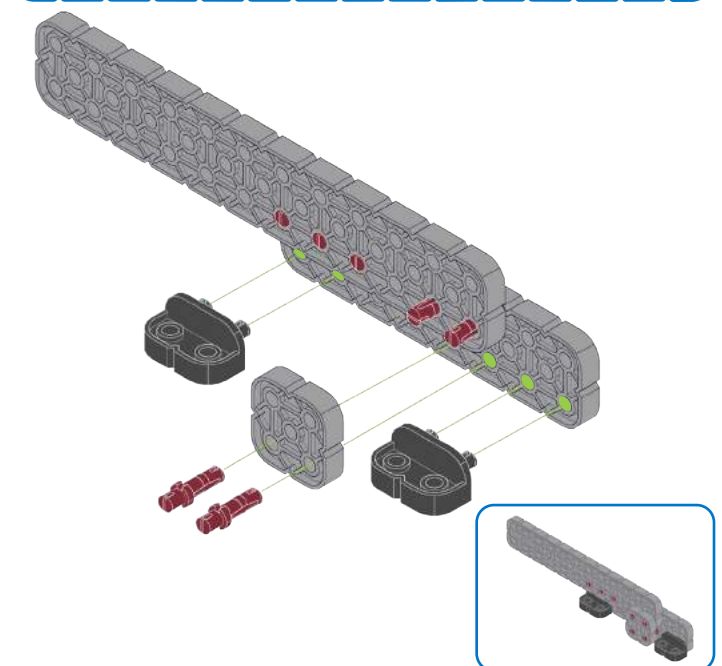
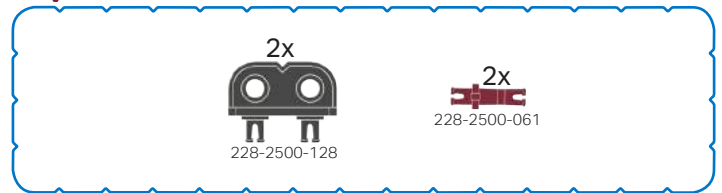
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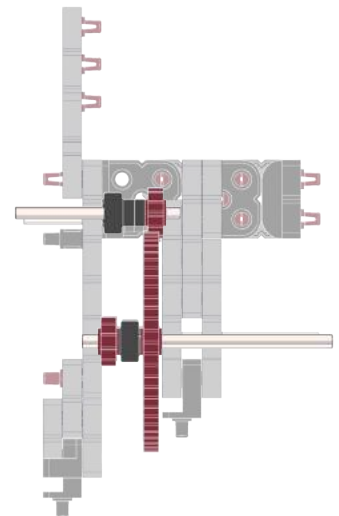
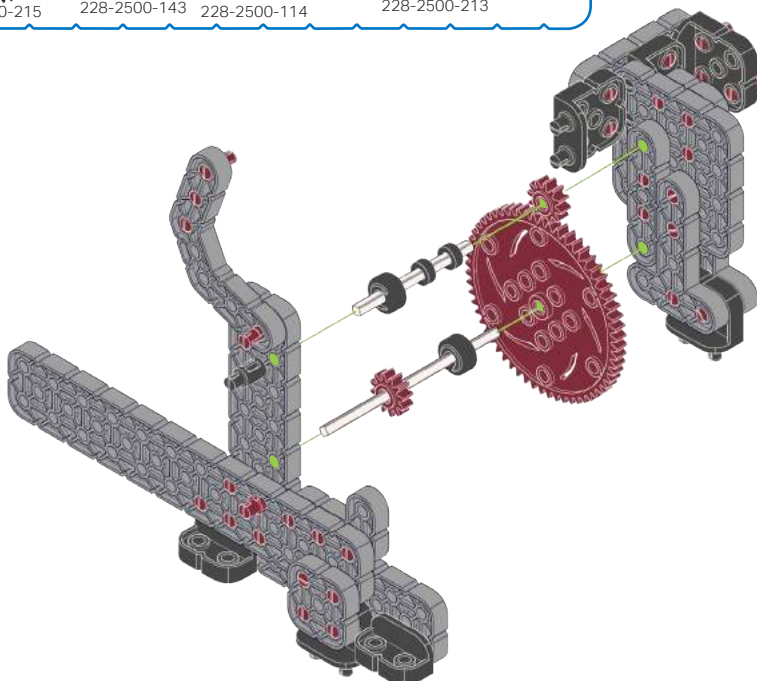
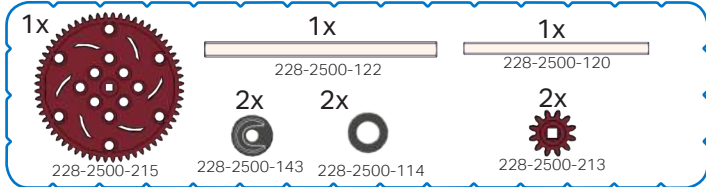
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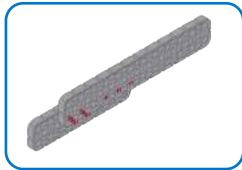
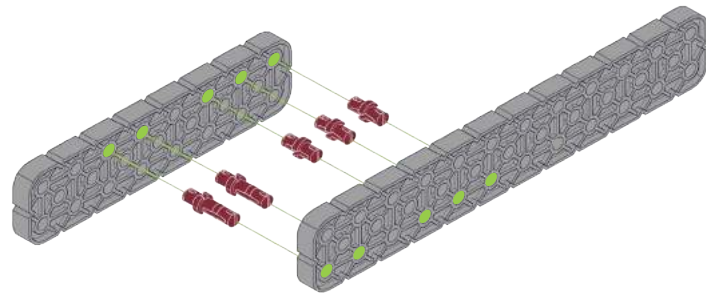
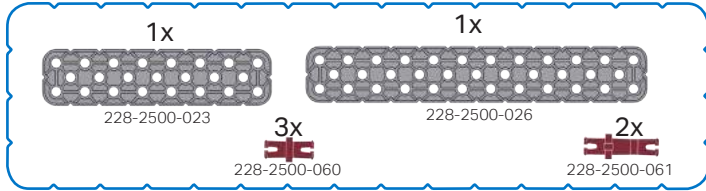
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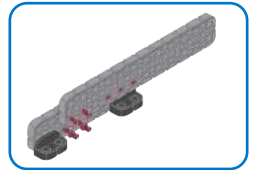
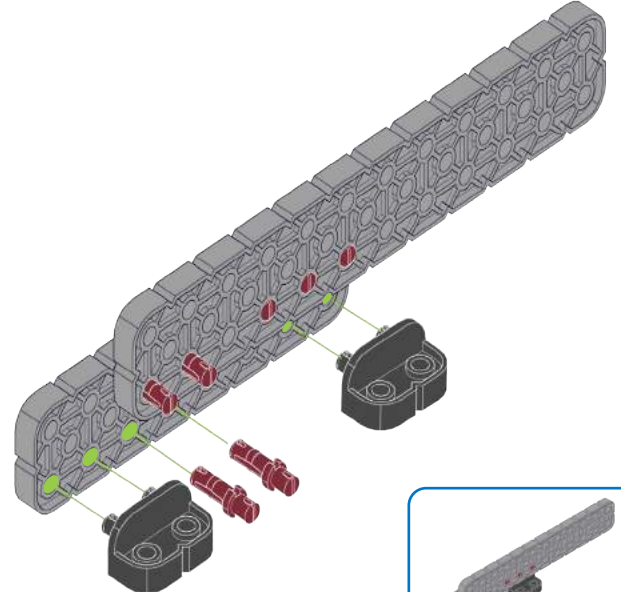
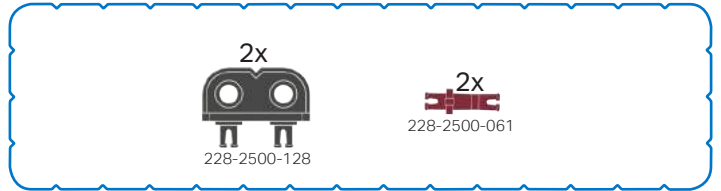
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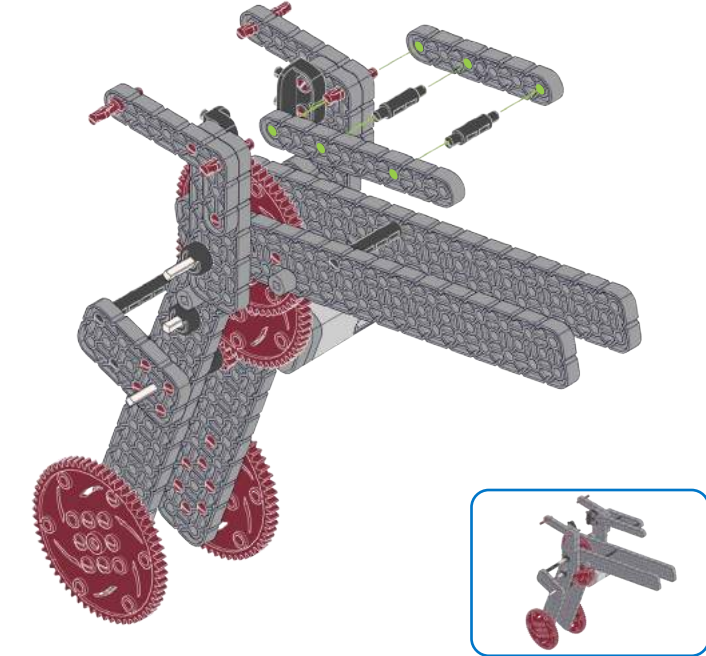
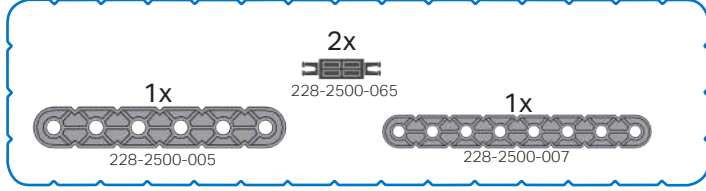
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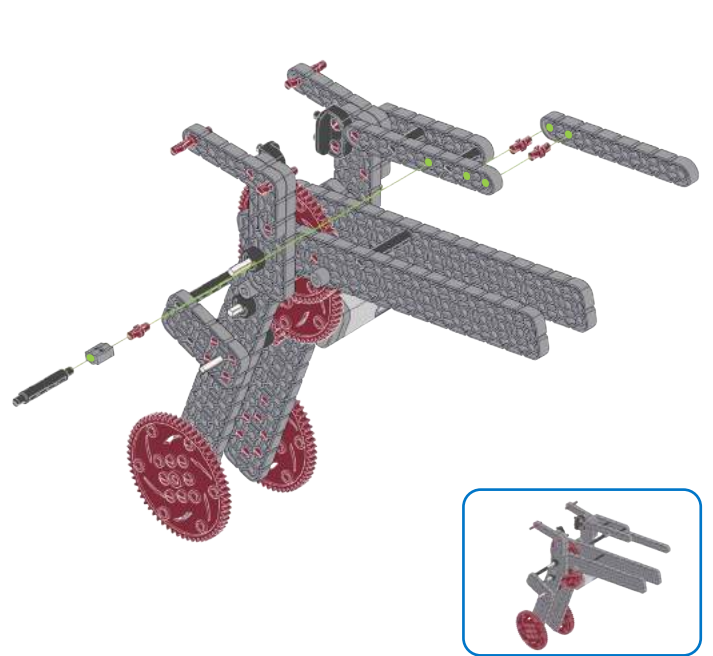
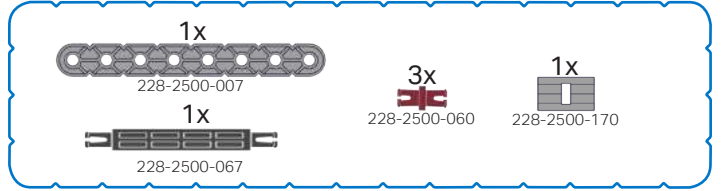
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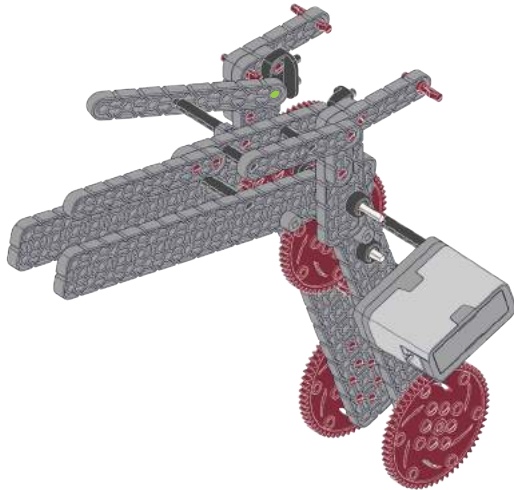
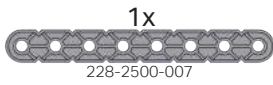
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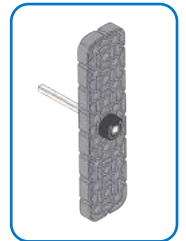
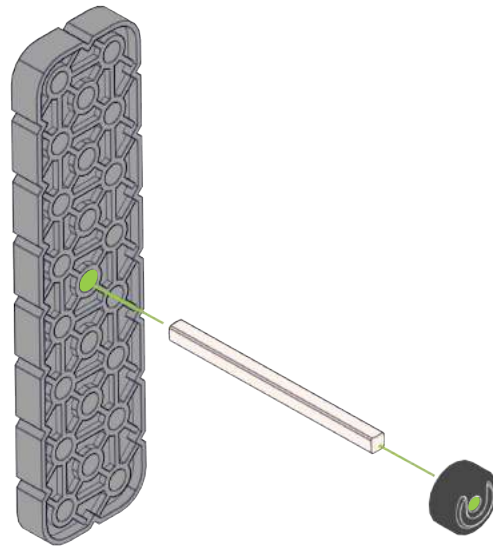
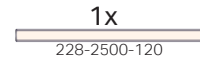
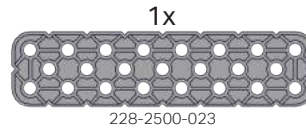
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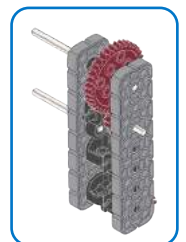
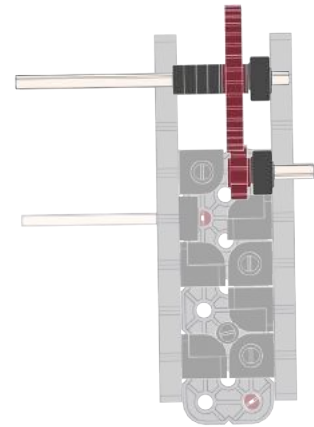
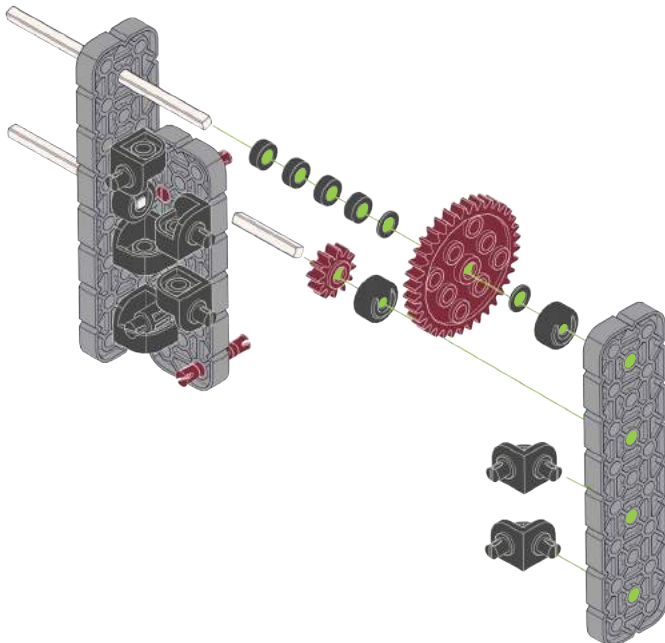
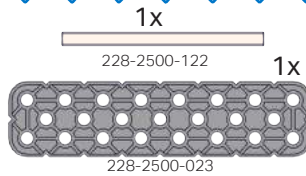
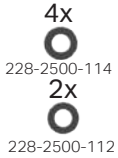
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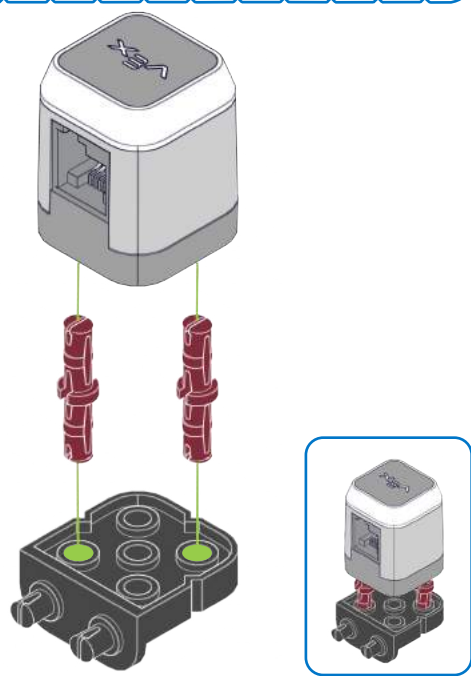
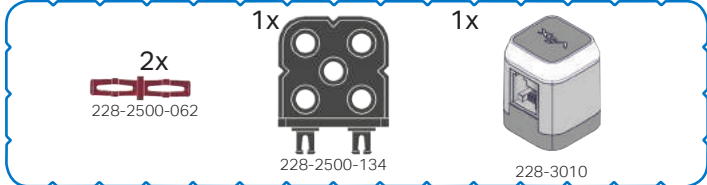
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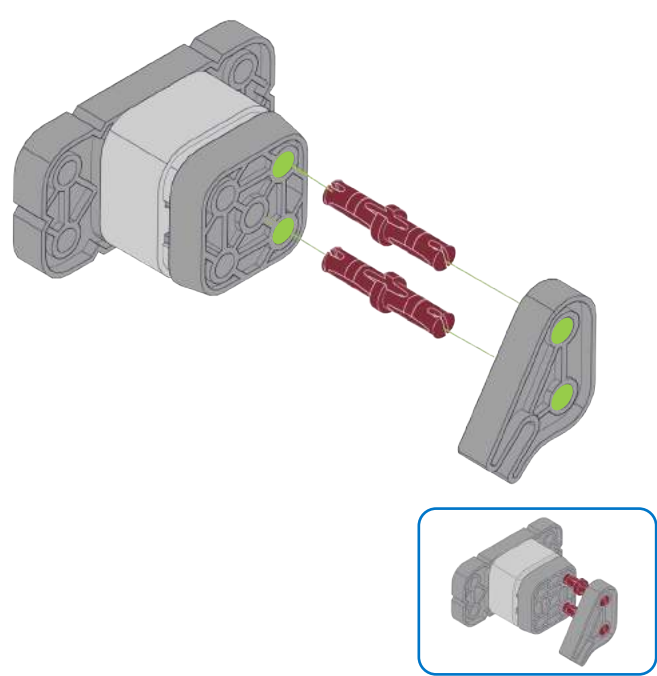
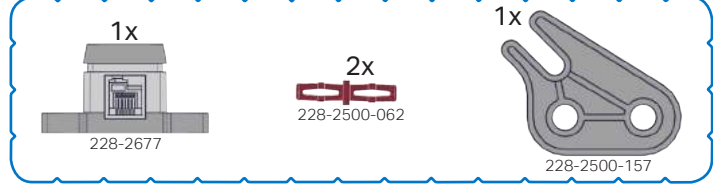
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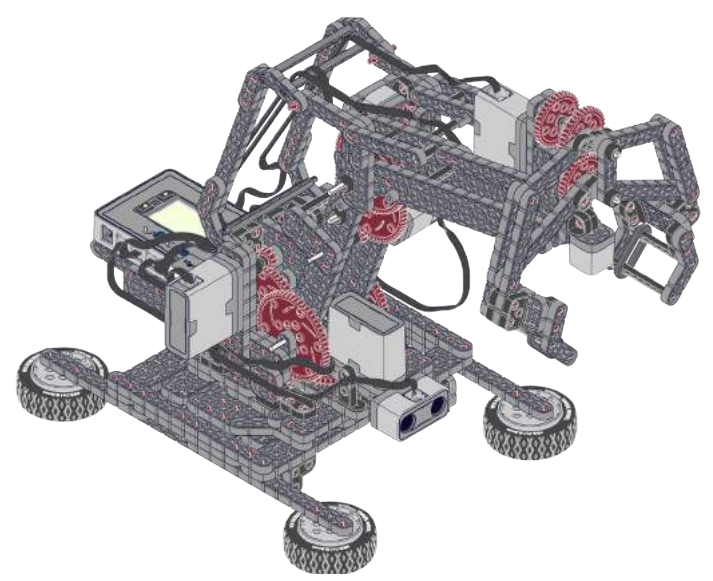
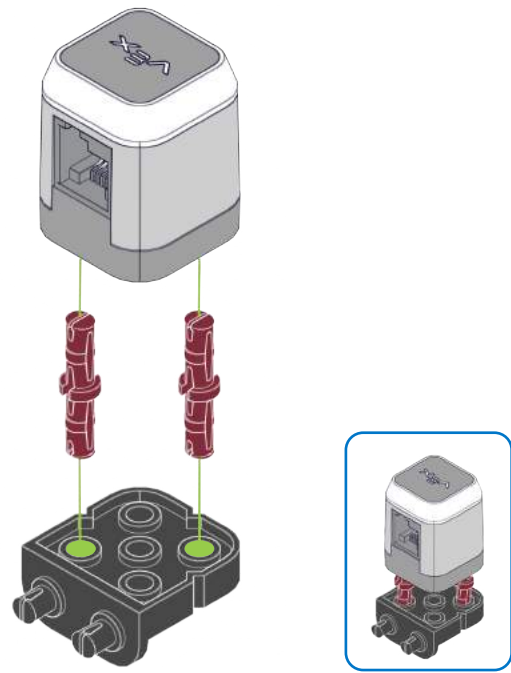
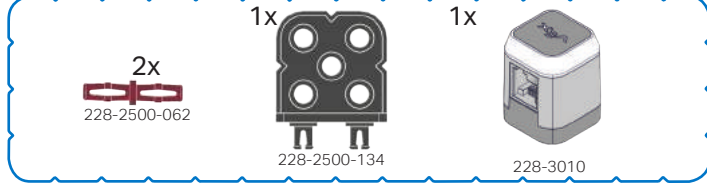
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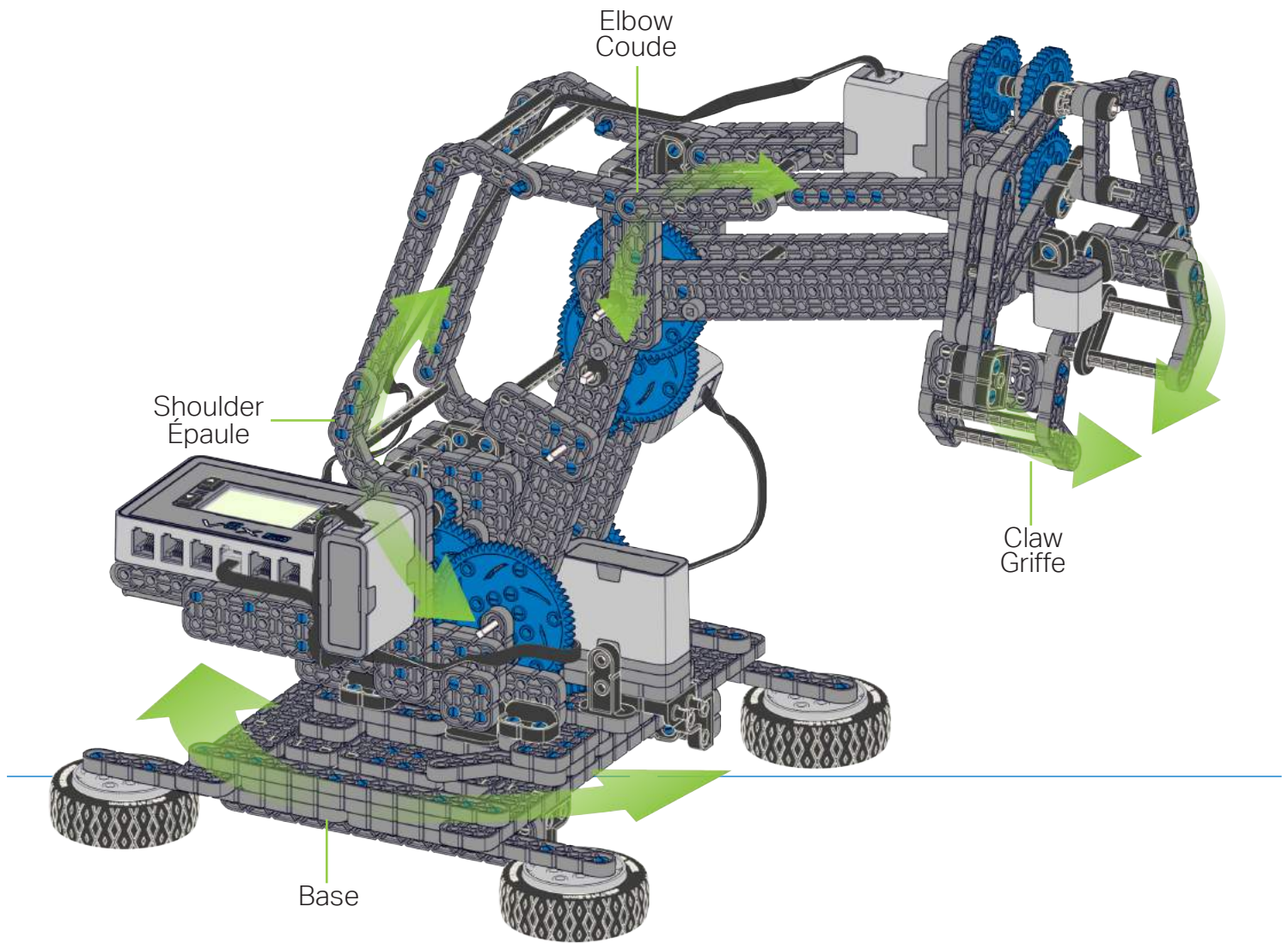


125



130



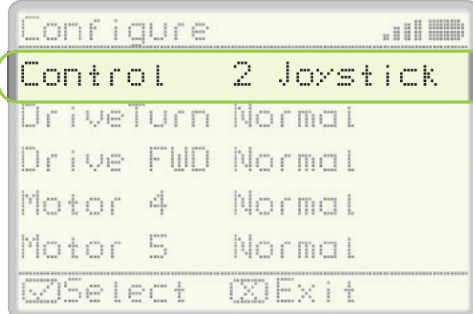


Pivot Base Left
Pivot de Gauche
Pivot Base Right
Pivot de Droite

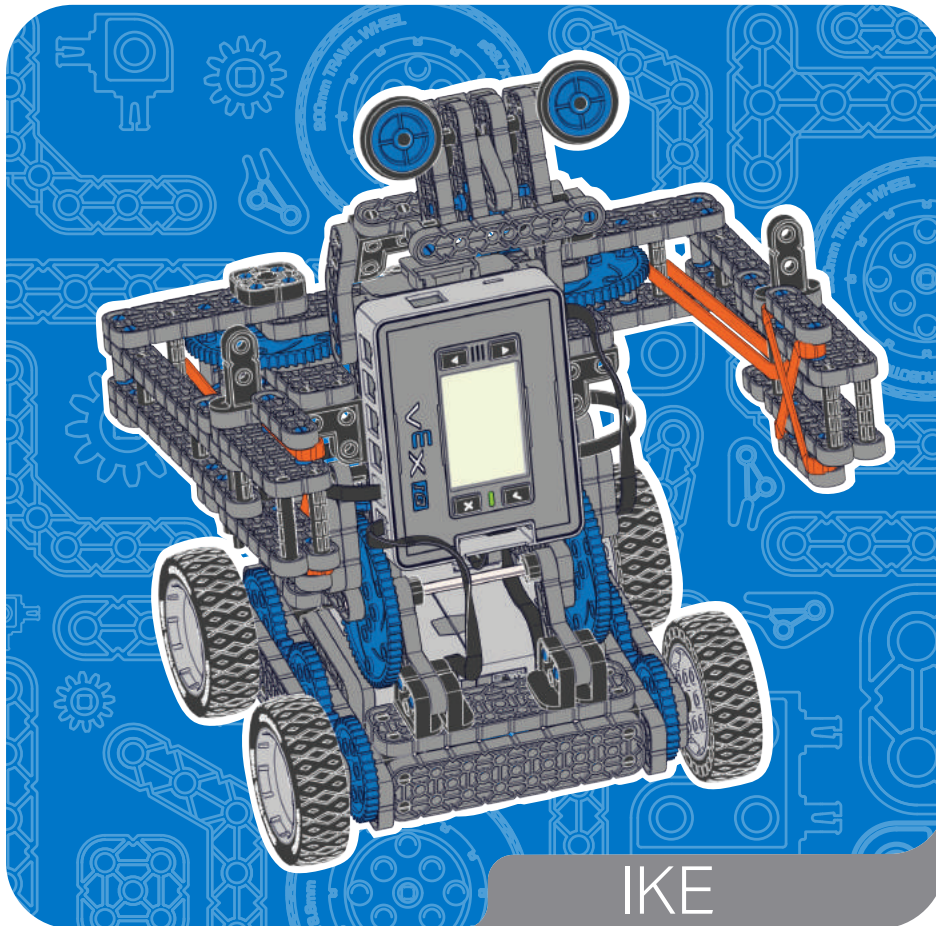
Elbow
Up & Down
Coude de
Haut et Bas

Close Claw
Fermer Griffes
Open Claw
Ouvrir Griffes

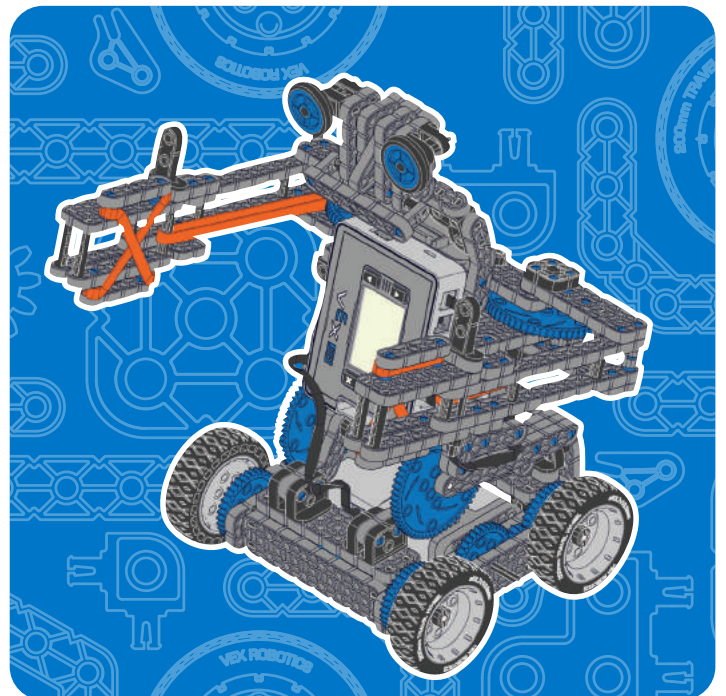
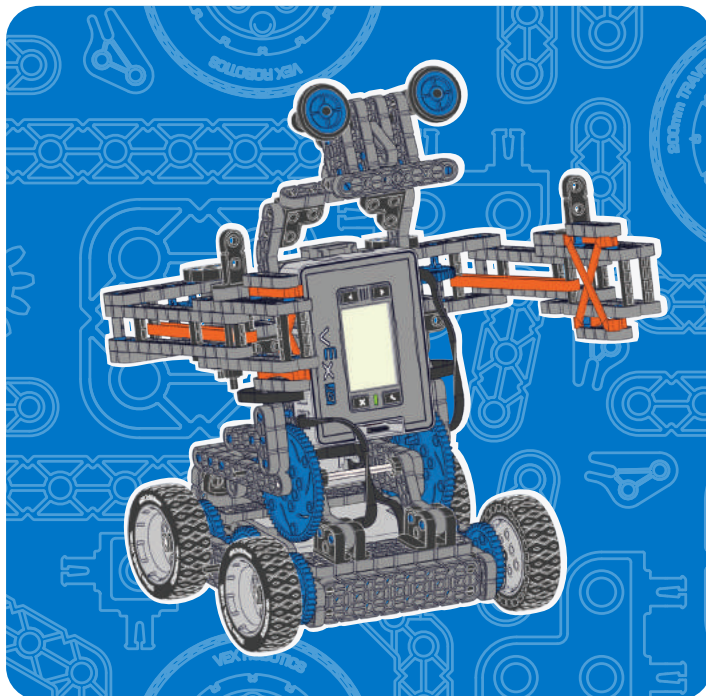
Shoulder
Up & Down
Épaule Haut
et Bas



The Driver Control program must be in 2 Joystick mode to drive ArmBot IQ.
Le programme de la télécommande doit être en mode 2 Joystick pour conduire ArmBot IQ.



IKE



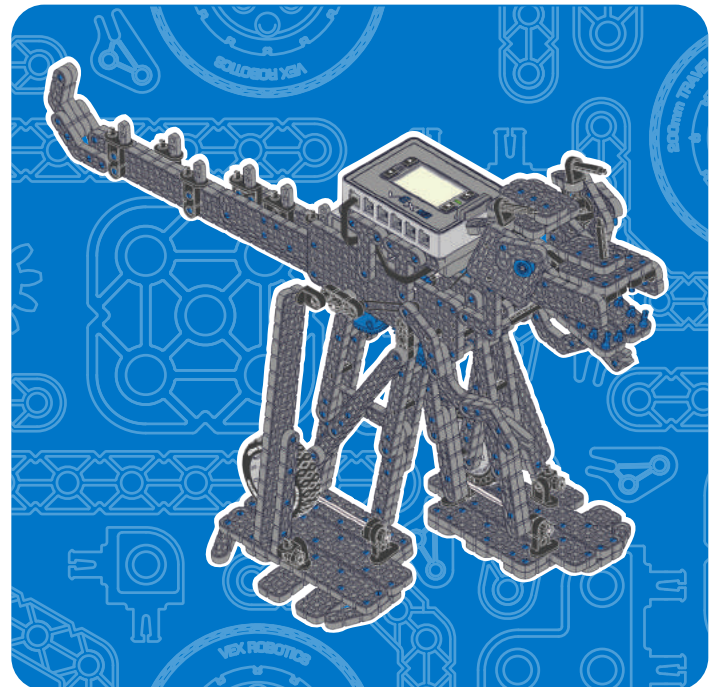
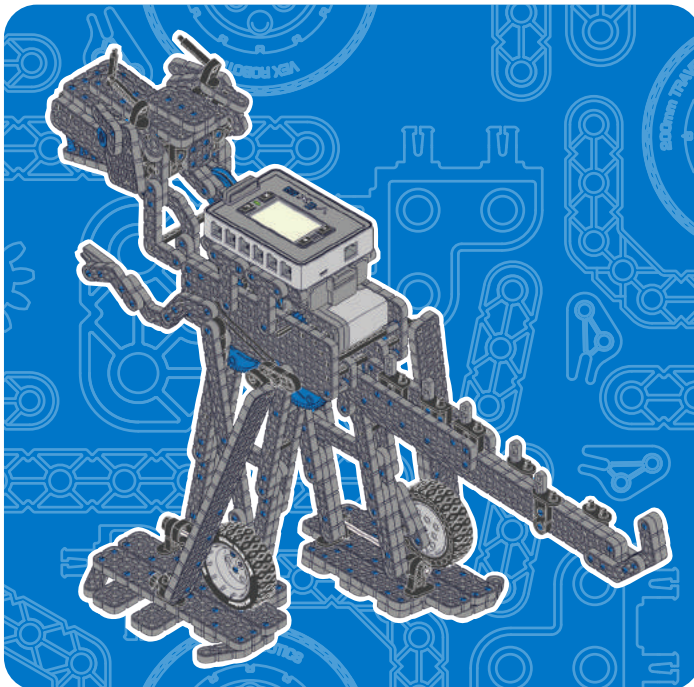
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Armbot IQ Build Instructions Instructions de Construction de Armbot IQ

Ages 8+

Ans 8+

228-4444-751 Rev4

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Ce produit est uniquement destiné à être utilisé dans le cadre d'un système VEX IQ.

This product is solely intended to be used as part of the VEX IQ system.



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