

Kiwi Drive Bot Build Instructions

Instructions de Construction Kiwi Drive Bot

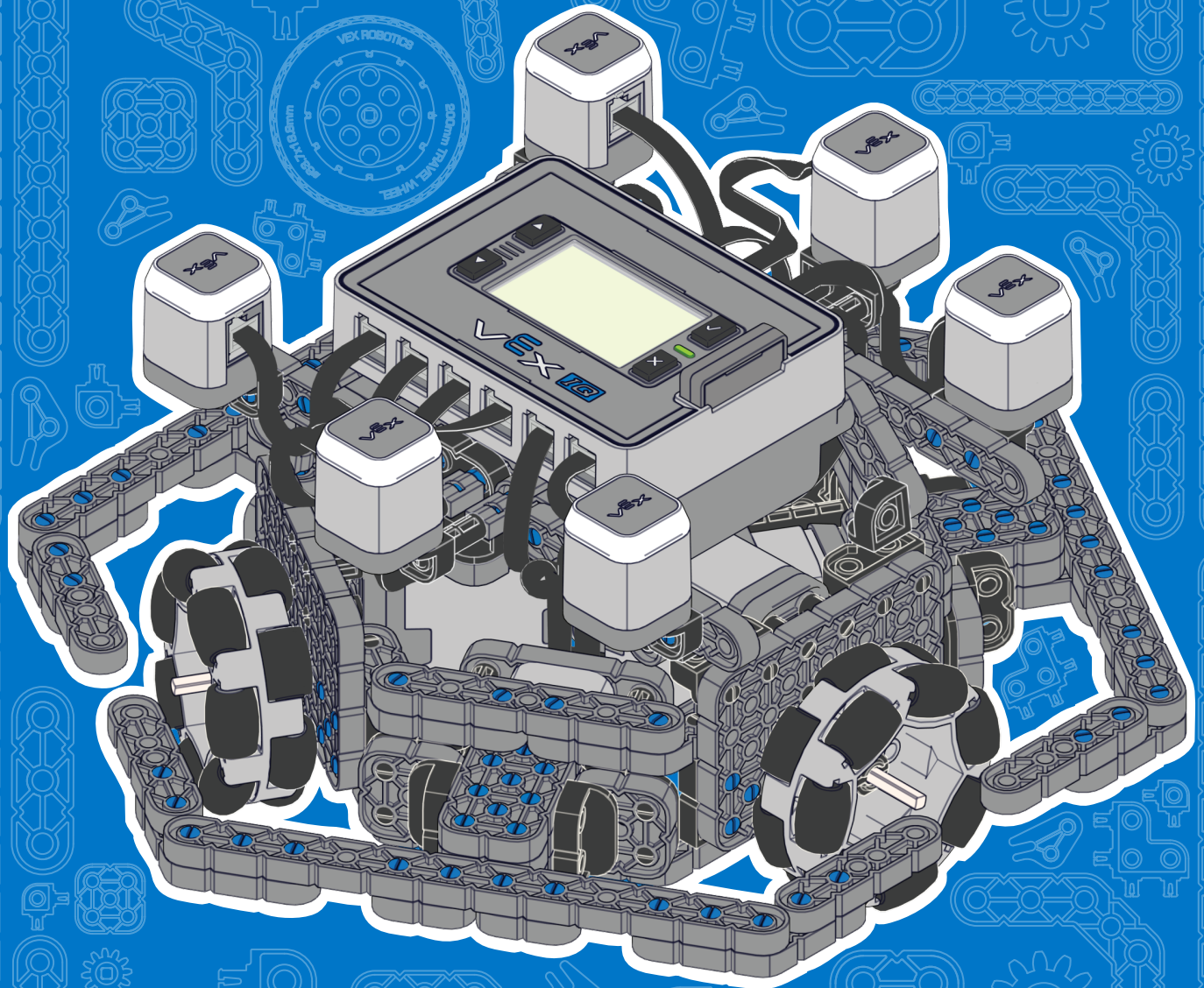
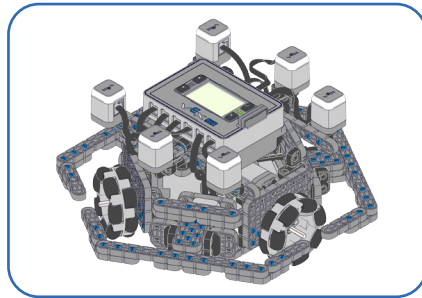


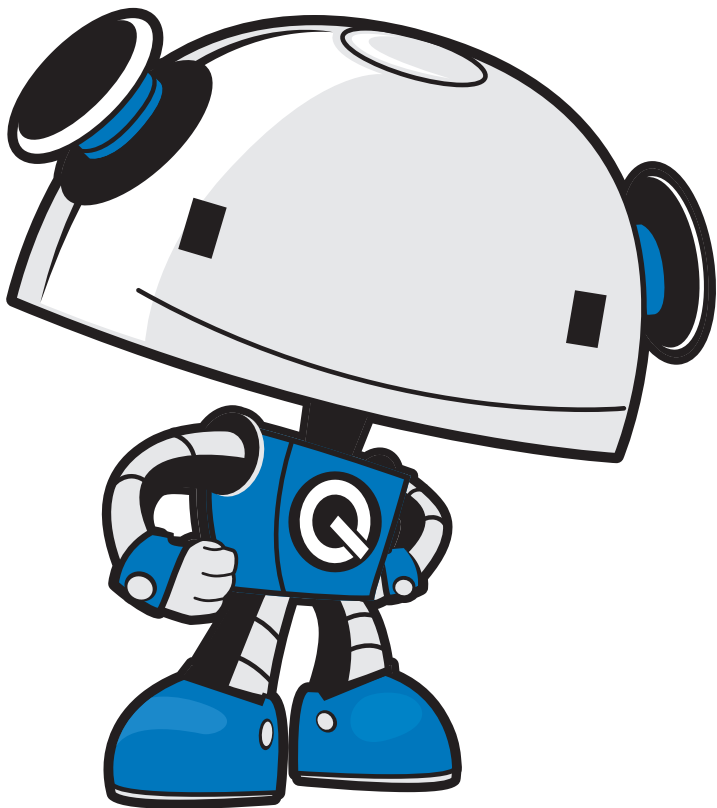
Table of Contents Table des Matières

i	VEX IQ Assembly Tips Conseils d'Assemblage VEX IQ.....	3
1	Kiwi Drive Bot.....	4



Build Steps 1-39 Étapes de Construction

2	Drive Instructions Mode d'Emploi du Disque.....	19
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Kiwi Drive Bot

Who loves building robots? I sure do, and the Kiwi Drive Bot is filled with many features that I think make it special.

The Kiwi Drive Bot is unique because it uses SIX Touch LEDs for awesome programming options and it can move in any direction using the Omni-Directional Wheels! One of the best parts about this bot is how it looks in the dark when all of the Touch LEDs are glowing in multiple colors! Now after you're done building, try...

See how many times you can spin around in a circle while driving in a straight line.

Design your own maze to run your Kiwi Drive Bot through.

Make up your own game to play with your robot!

Qui n'aime pas construire des robots? Moi j'adore, et le Kiwi Drive Bot est doté de beaucoup de fonctions qui, je crois, le rendent davantage spécial.

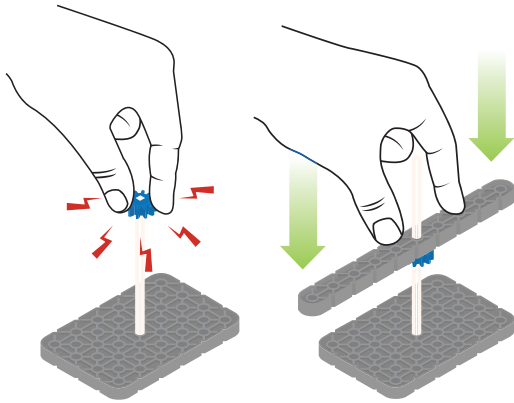
Le Kiwi Drive Bot est unique en son genre puisqu'il utilise SIX Touches DEL pour des options de programmation géniales et peut aller dans n'importe quelle direction en utilisant des roues omni-directionnelles! Un des meilleurs aspects de ce robot est son apparence dans le noir quand toutes les Touches DEL s'illuminent en de multiples couleurs! Maintenant, après avoir fini de construire, essayez...

Voyez combien de fois vous pouvez tourner en rond tout en avançant en ligne droite.

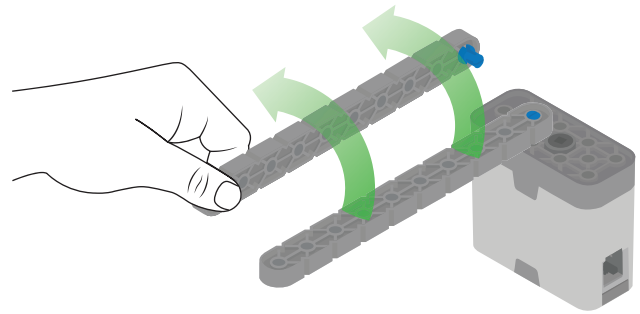
Concevez votre propre labyrinthe pour y faire passer votre Kiwi Drive Bot.

Inventez votre propre jeu à jouer avec votre robot!

VEX IQ Assembly Tips: Conseils d'Assemblage VEX IQ: i

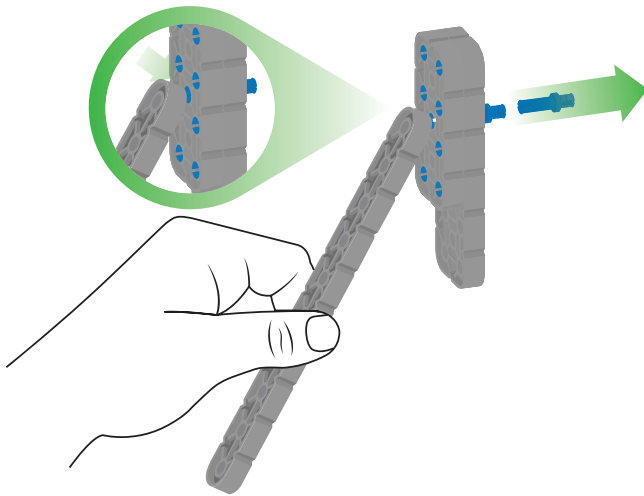


Use a 1x Beam for extra leverage when mounting small VEX IQ elements on shafts.
Utiliser une poutre pour aider à installer un petit élément VEX IQ sur un axe.

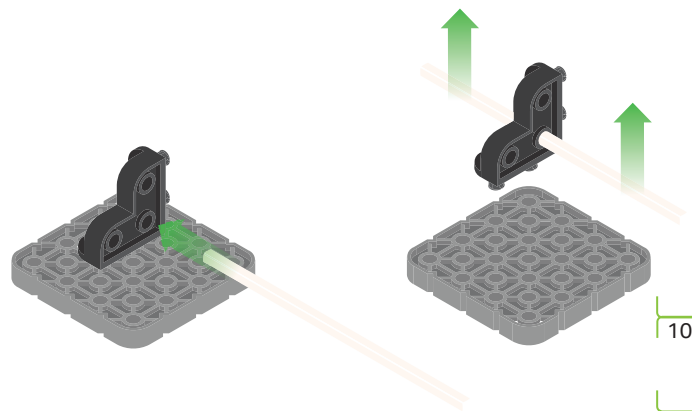


Connector Pins can be smoothly removed from Smart Motors, Sensors, or Robot Brains using a 1x Beam. Put the 1x Beam onto the pin and twist the Beam while pulling outward.

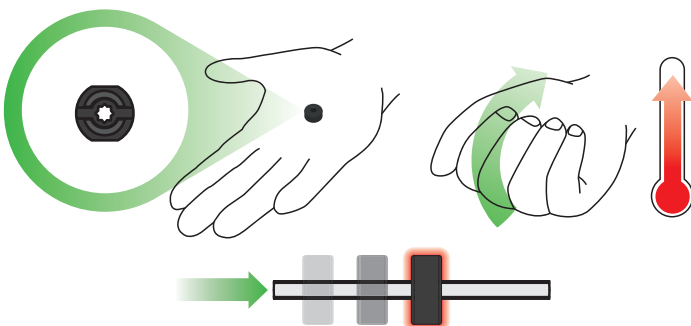
Les connecteurs peuvent être facilement retirés des moteurs Smart, Capteurs, ou Cerveau du robot en utilisant une poutre. Placer la poutre sur le connecteur et tourner la poutre en tirant vers l'extérieur.



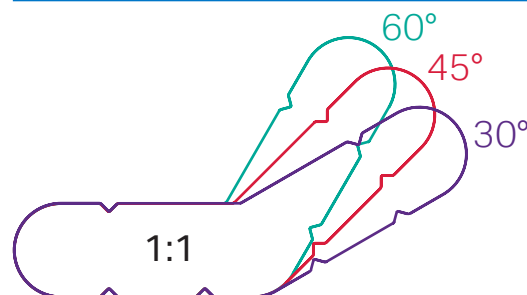
Quickly remove Connector Pins by pressing a VEX IQ Beam against the back of the Pin and pulling it out.
Pousser doucement le connecteur avec une poutre VEX IQ à l'arrière du connecteur pour le libérer.



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.

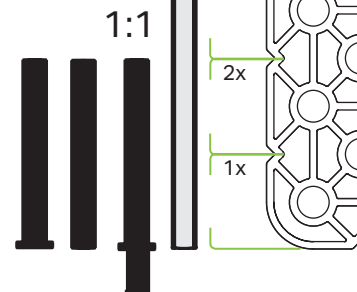


Rubber Shaft Collars become softer and easier to install if they are warmed by holding them in your hand for 15-30 seconds.
Les butées en caoutchouc deviennent plus souple et plus facile à installer s'ils sont réchauffés en les tenant dans votre main pendant 15-30 secondes.



The best way to measure an Angle Beam is to compare it against known angles (such as above). To measure Shaft length, set it alongside a VEX IQ Beam and count the notches.

La meilleure façon de mesurer un angle de faisceau est de comparer contre angles connus (comme ci-dessus). Pour mesurer la longueur de l'arbre, elle a mis à côté d'un VEXIQ Poutre et compter les encoches.



1 Kiwi Drive Bot

1

Required parts
Pièces requises

1x



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4x

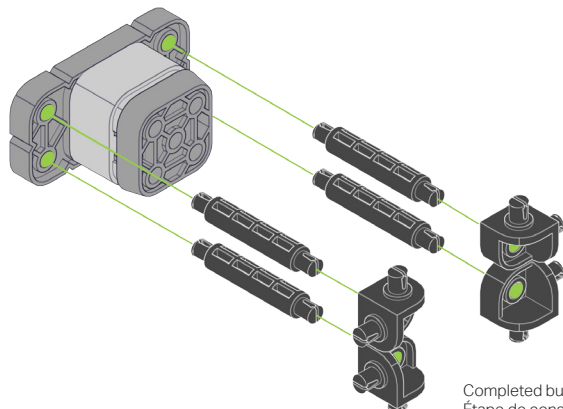


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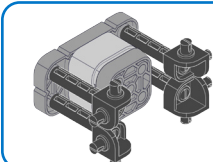
4x



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Completed build step
Étape de construction finie

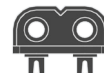


Look for Quey for
build tips
Recherche Quey
pour les conseils de
construction

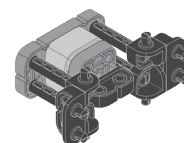
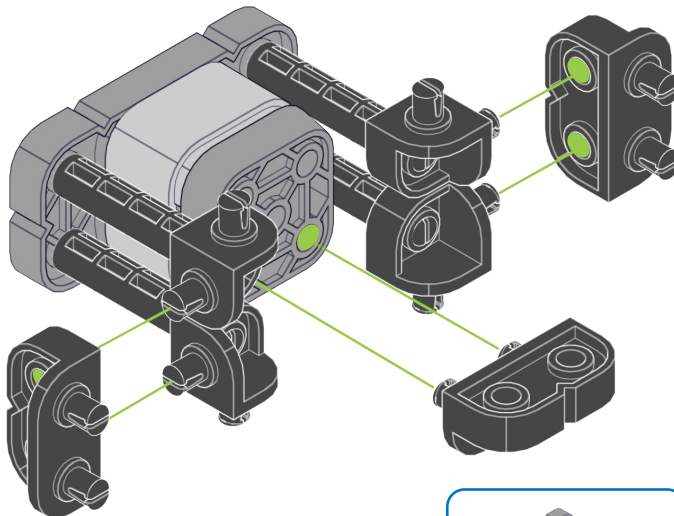


2

3x

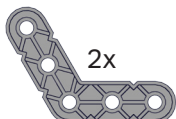


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3

2x



228-2500-149

1x

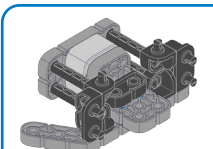
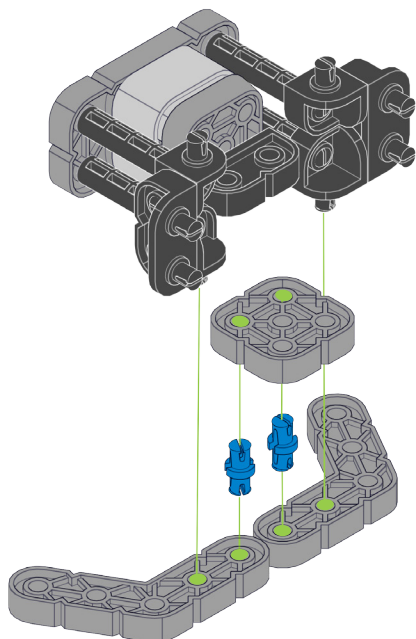


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2x



228-2500-060



4

2x

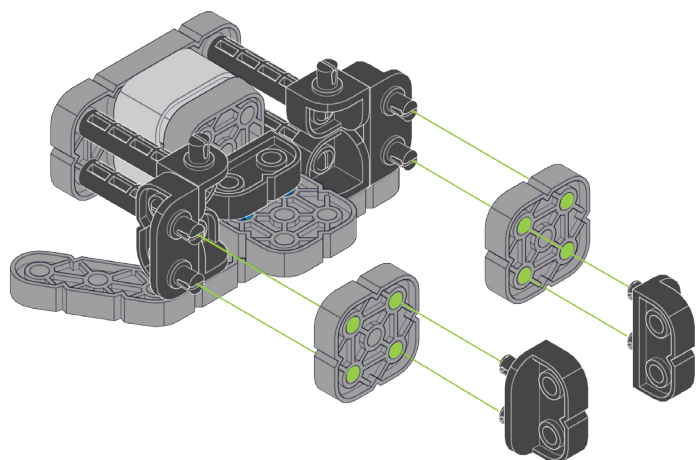


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2x

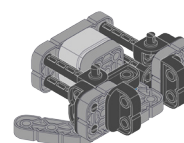


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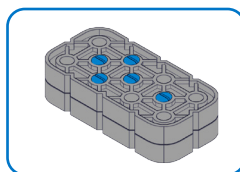
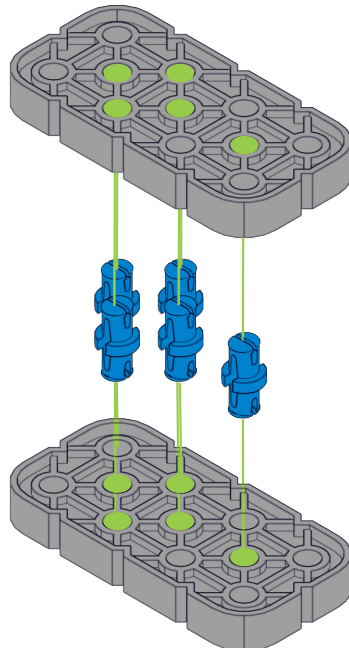
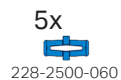
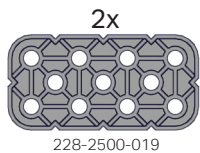


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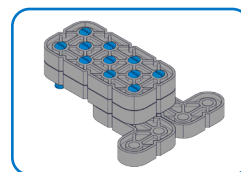
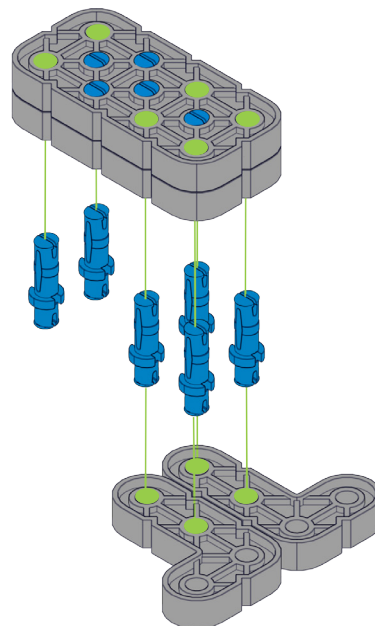
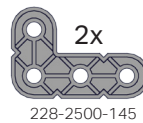
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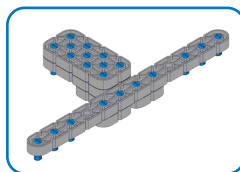
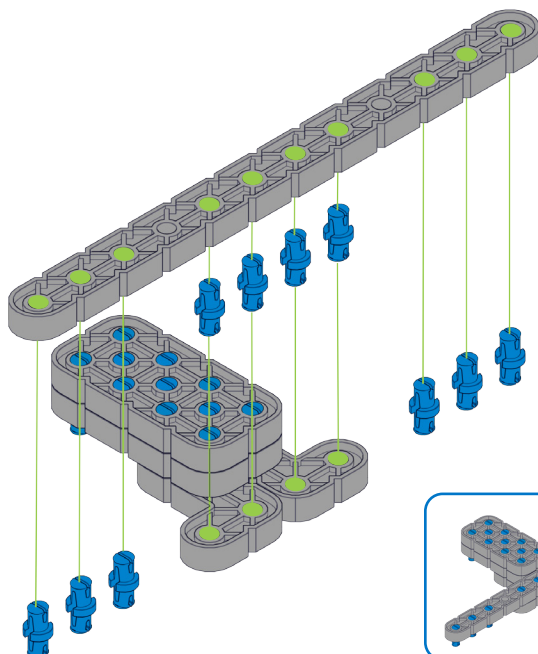
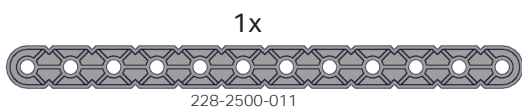
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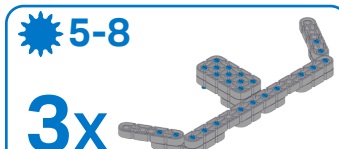
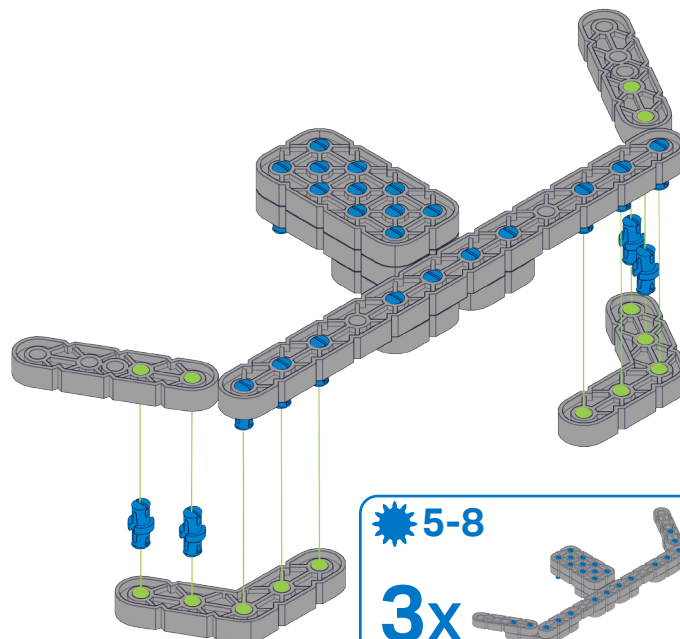
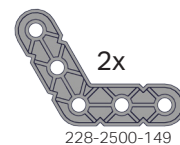
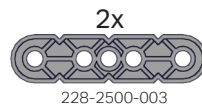
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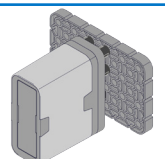
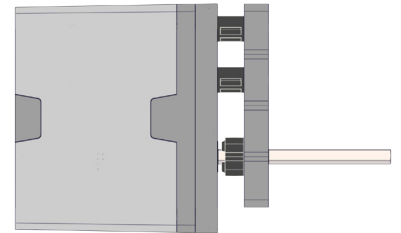
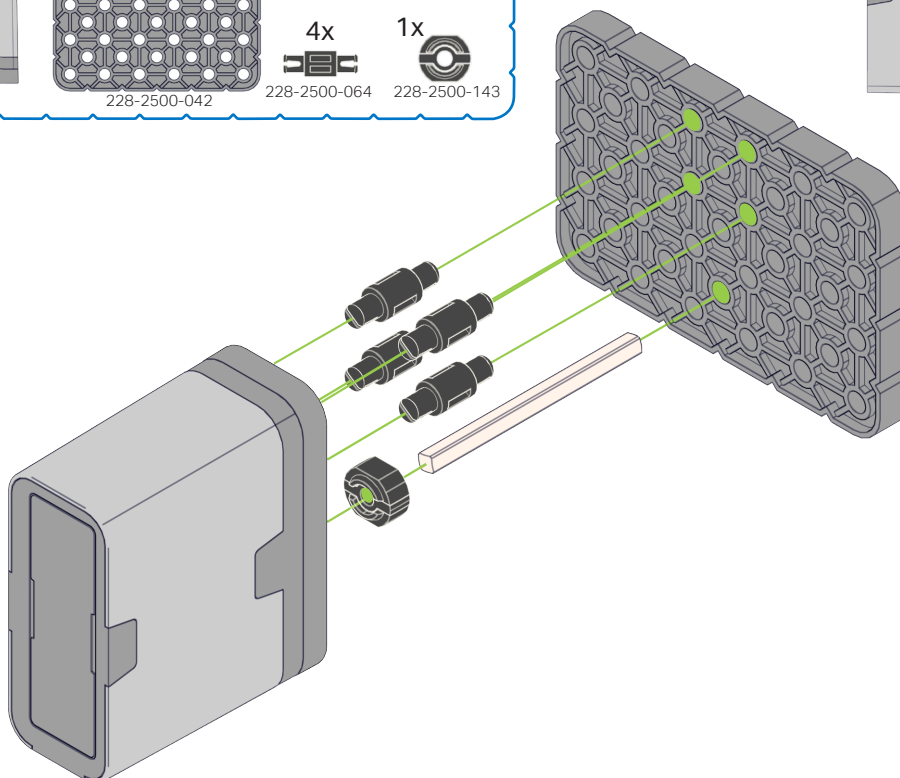
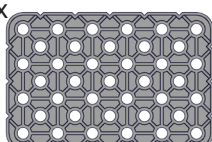
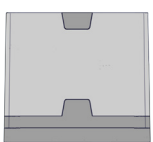
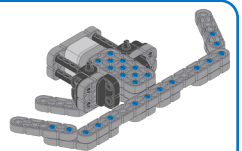
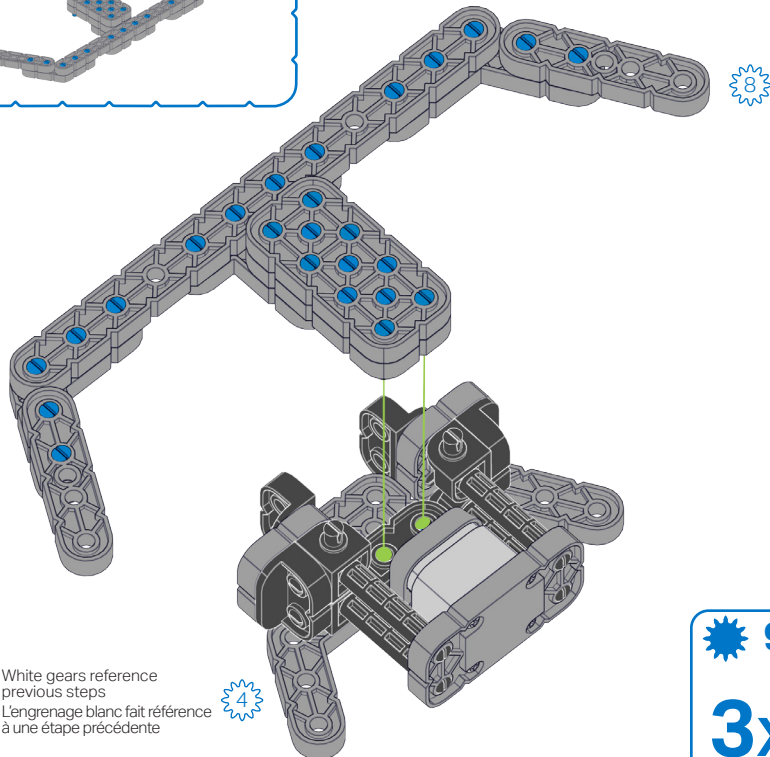
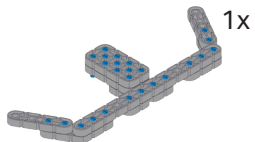
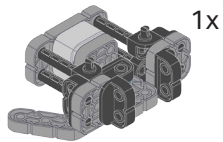


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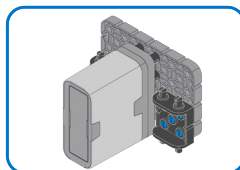
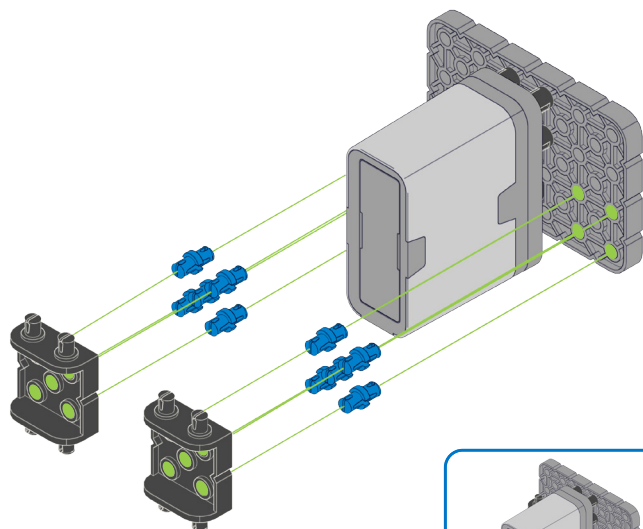
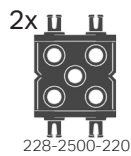


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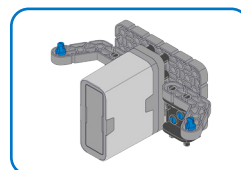
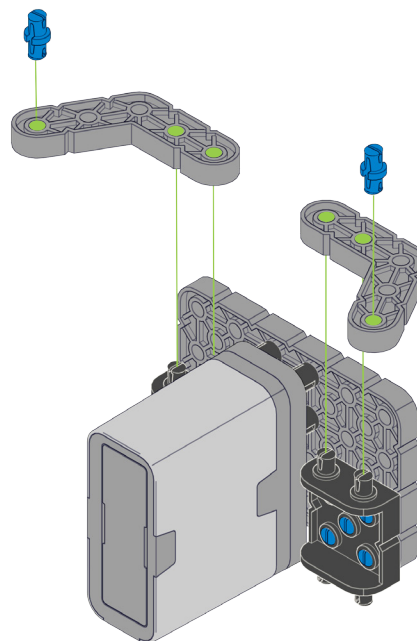
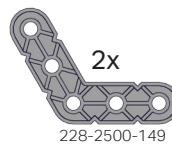




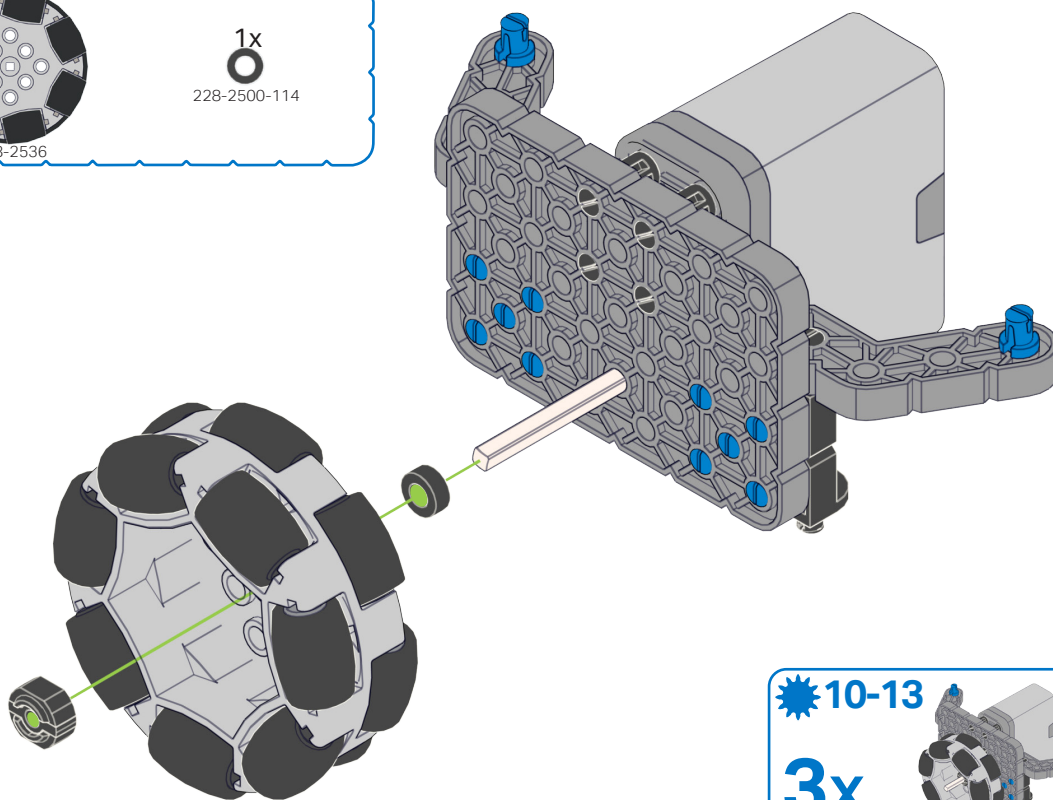
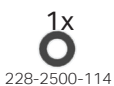
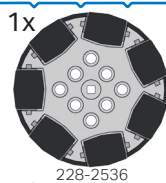
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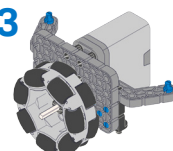


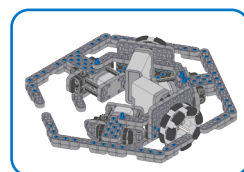
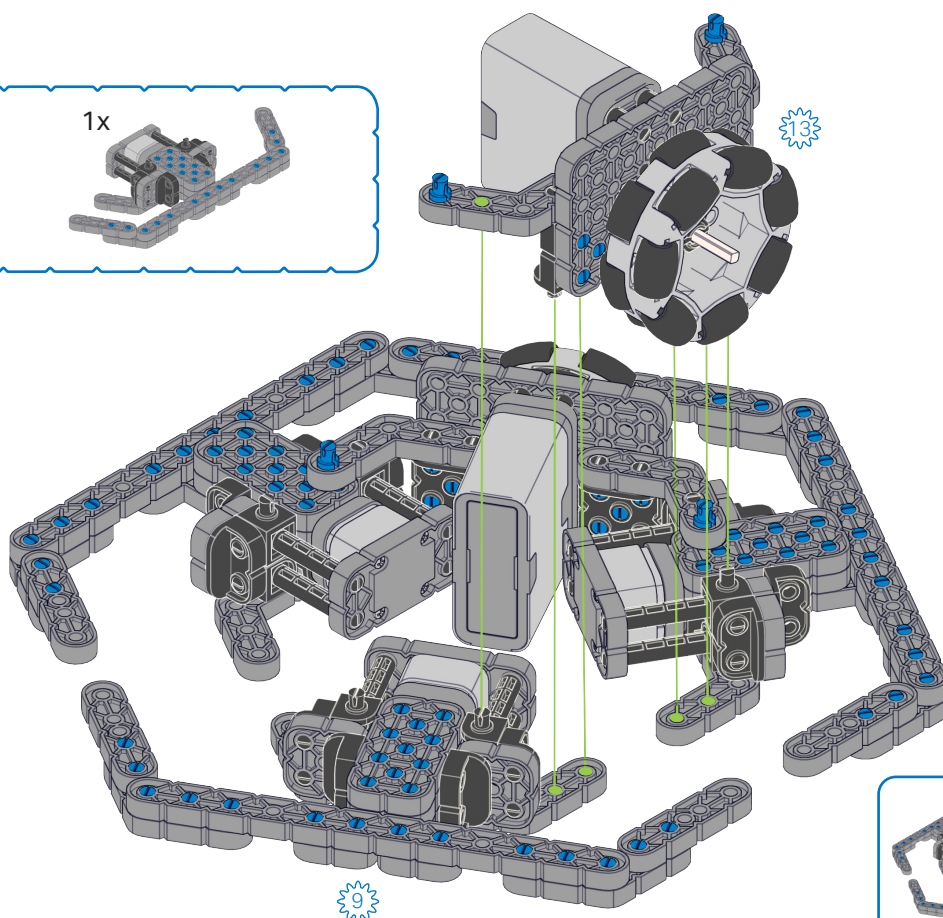
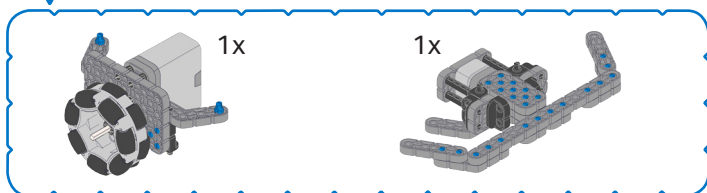
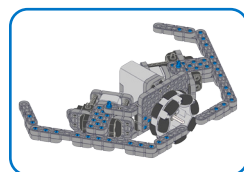
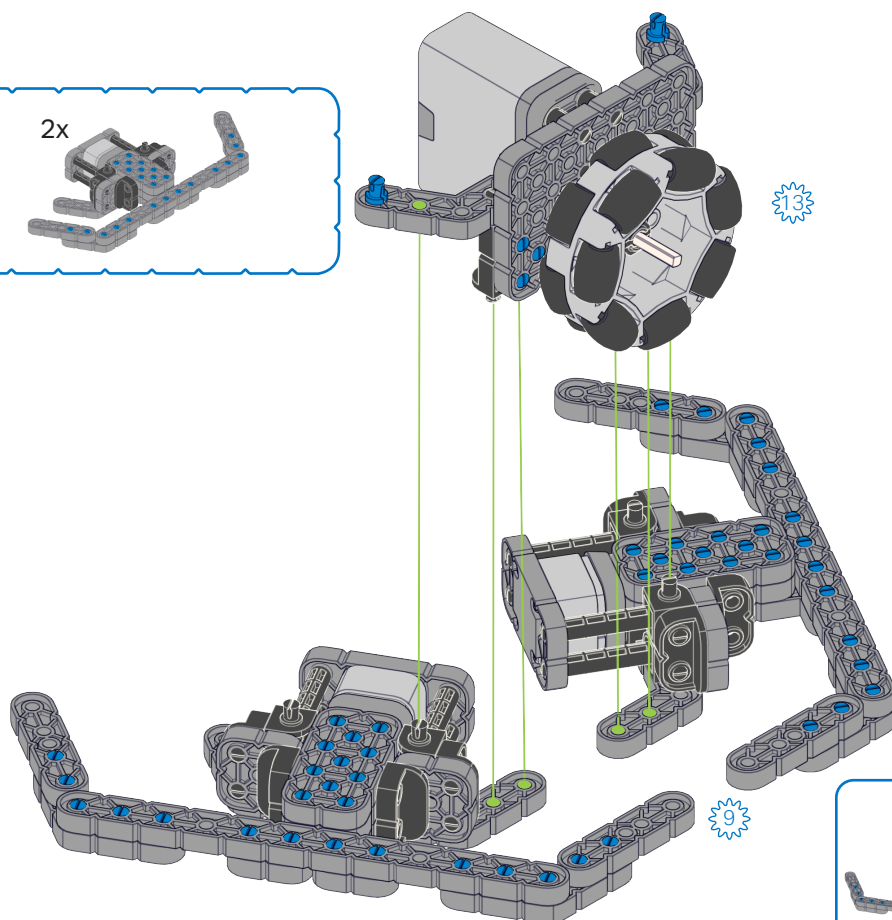
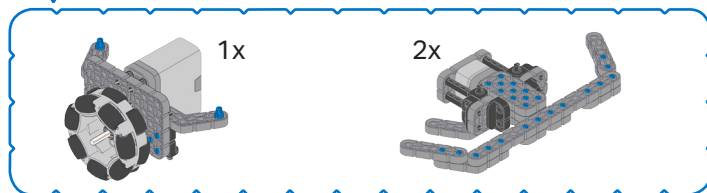
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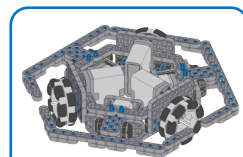
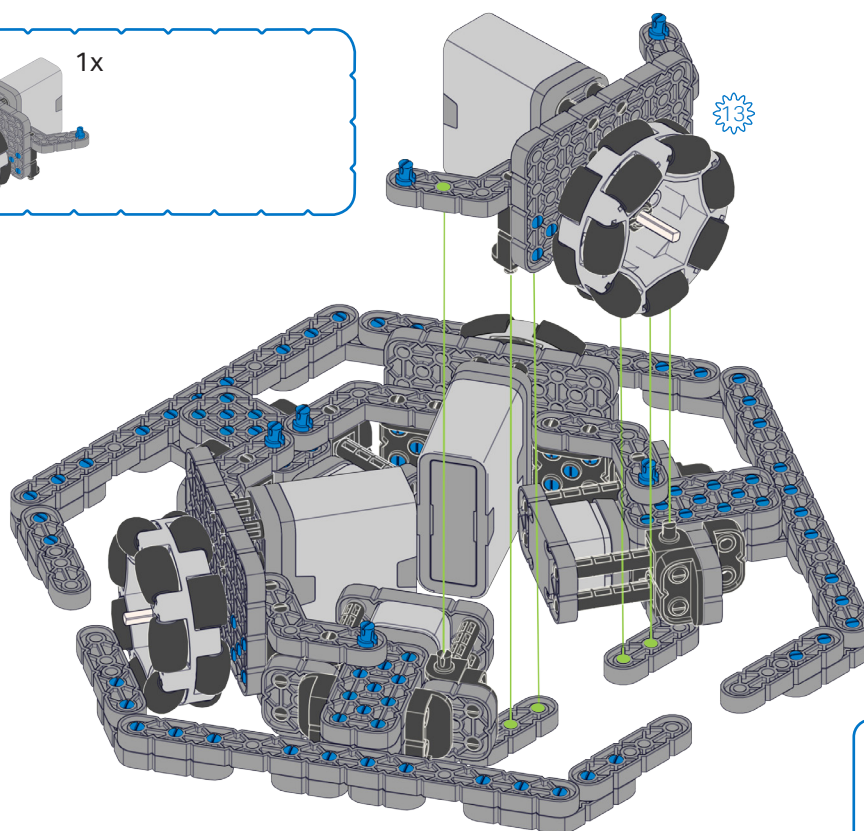
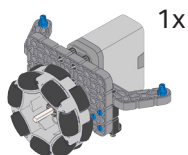
10-13

3x





16



17

3x



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2x

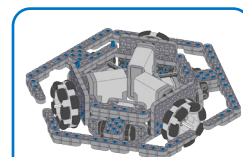
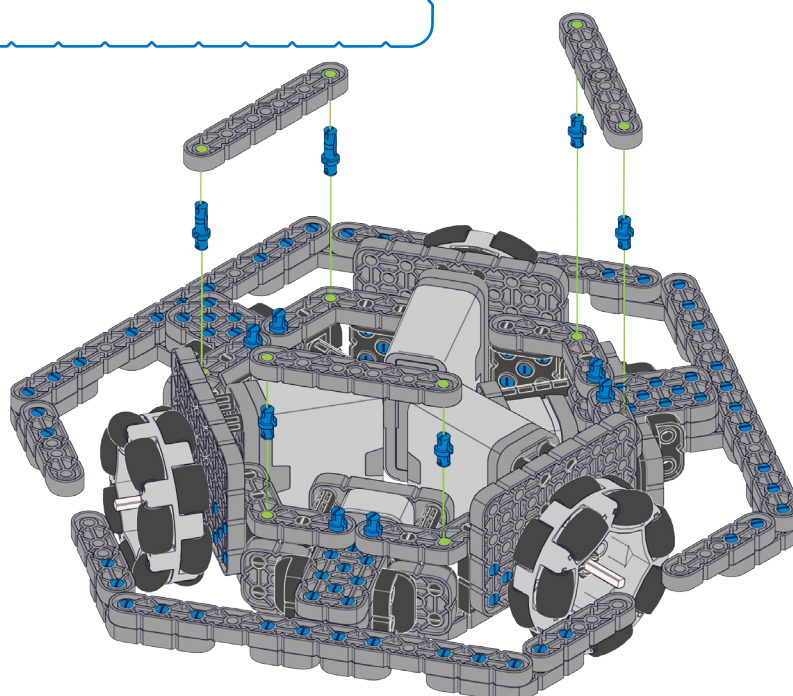


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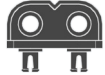
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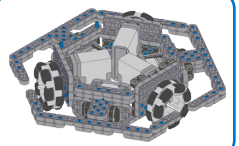
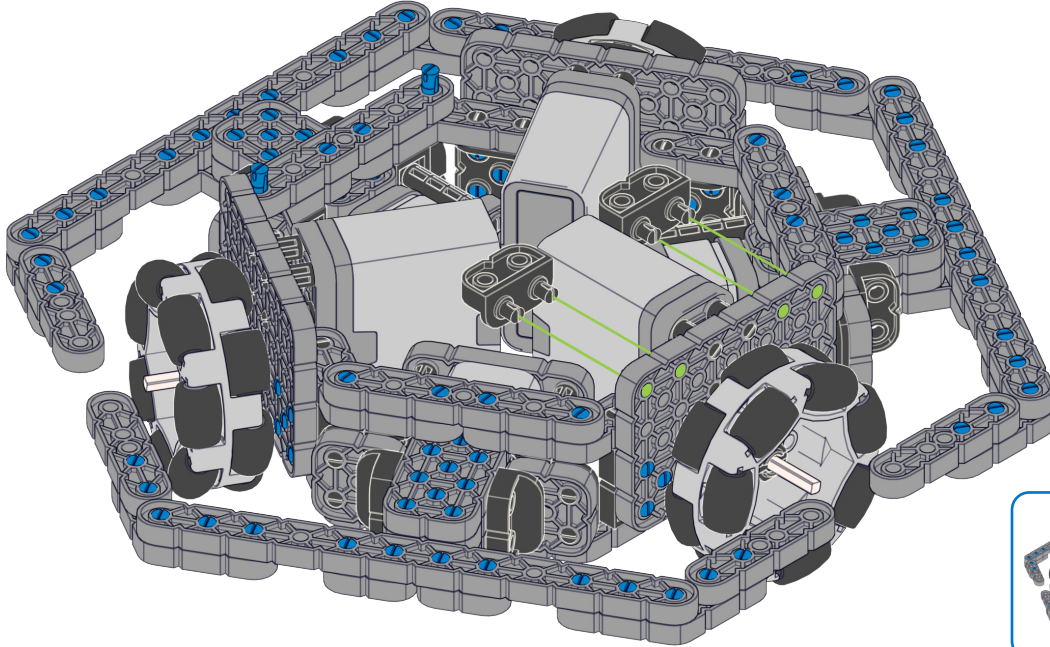
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2x



228-2500-128



1x



228-2540

2x



228-2500-061

4x

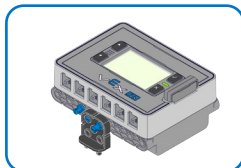
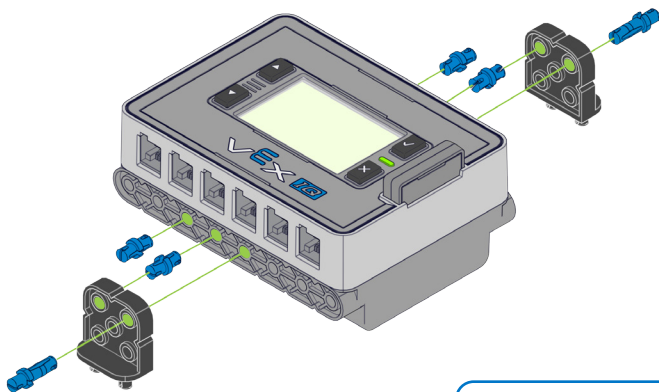


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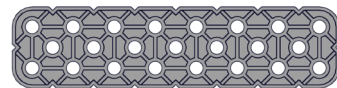
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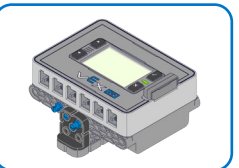
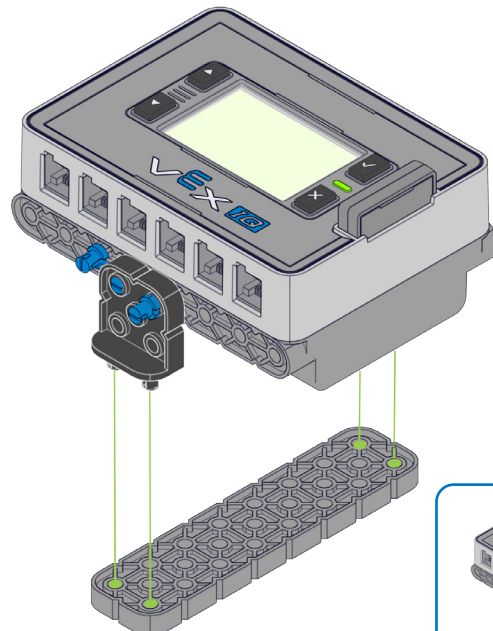
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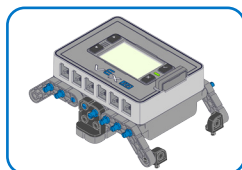
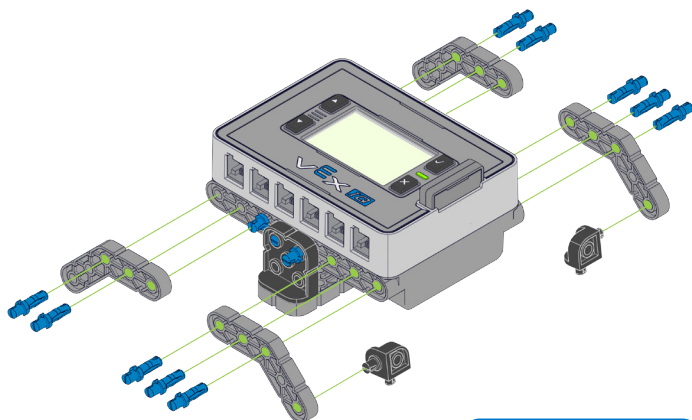
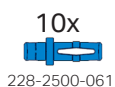
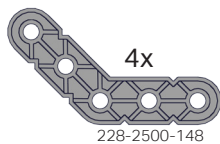
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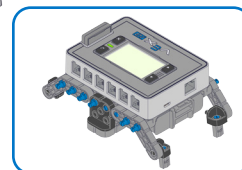
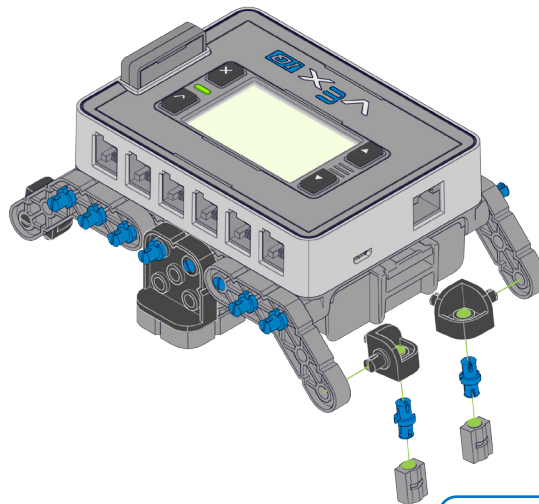
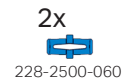
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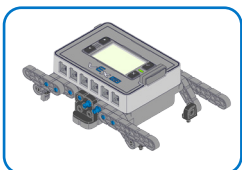
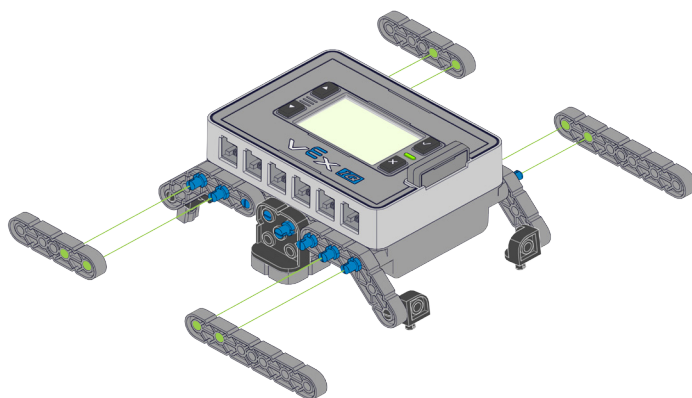
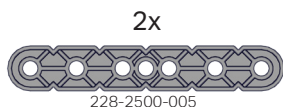
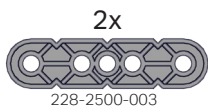
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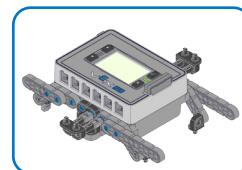
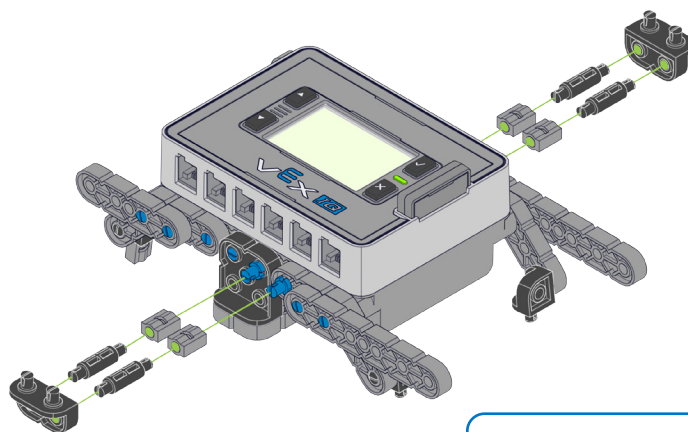
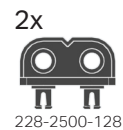
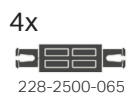
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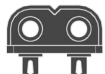


24



25

4x

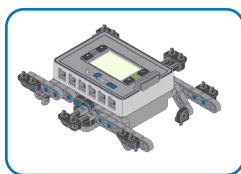
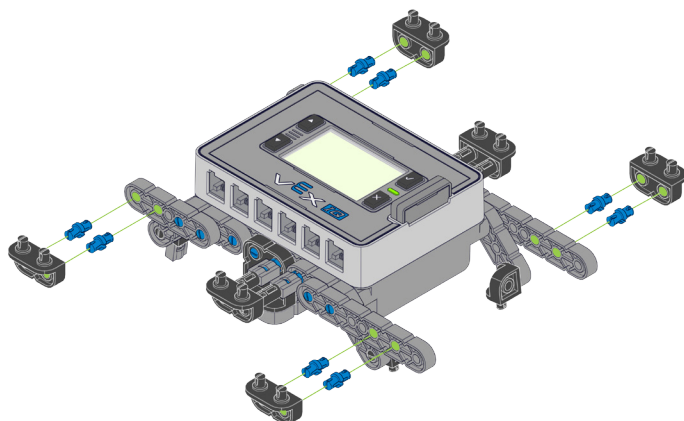


228-2500-128

8x



228-2500-060

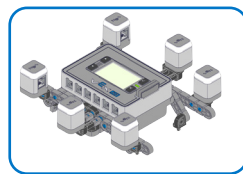
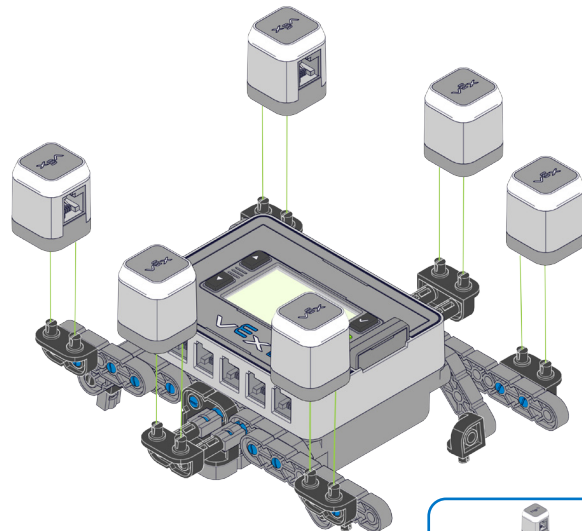


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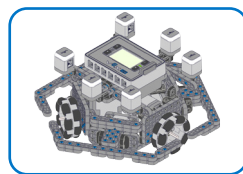
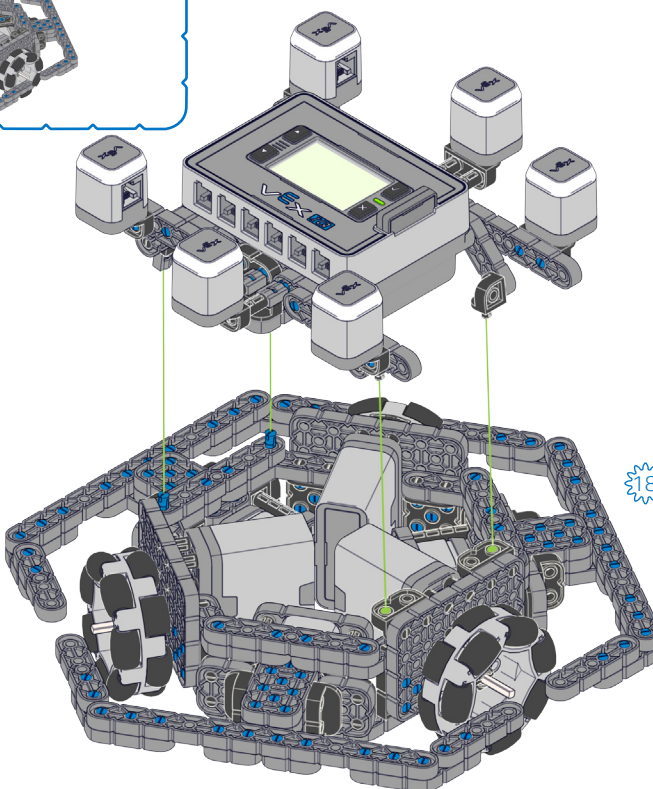
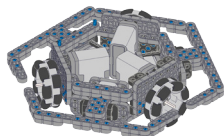
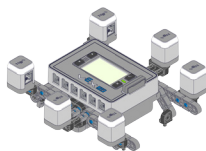
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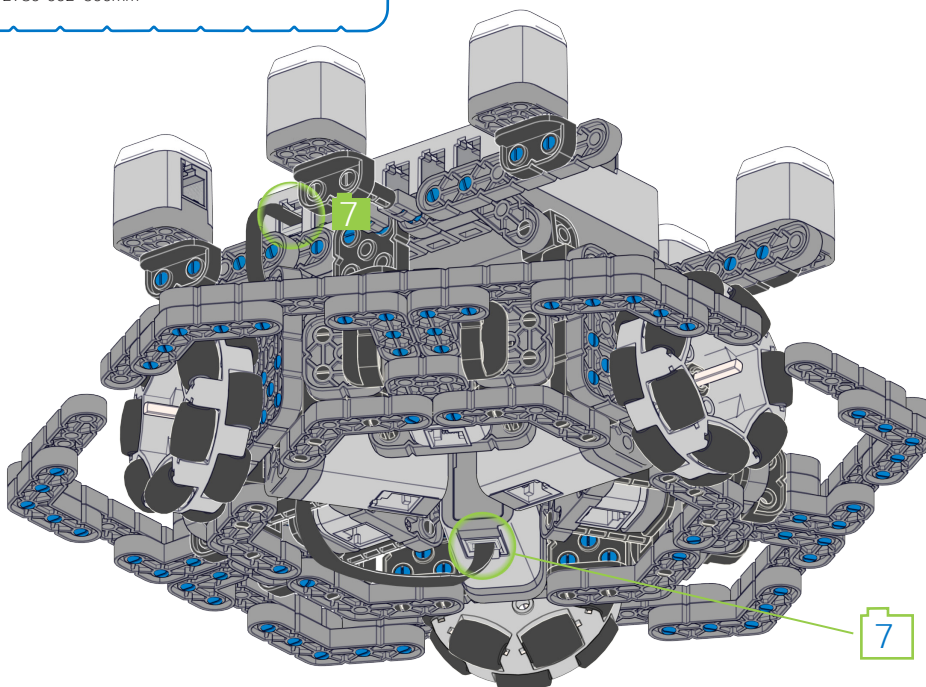
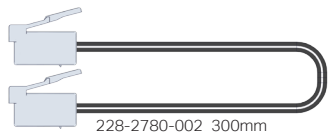
228-3010



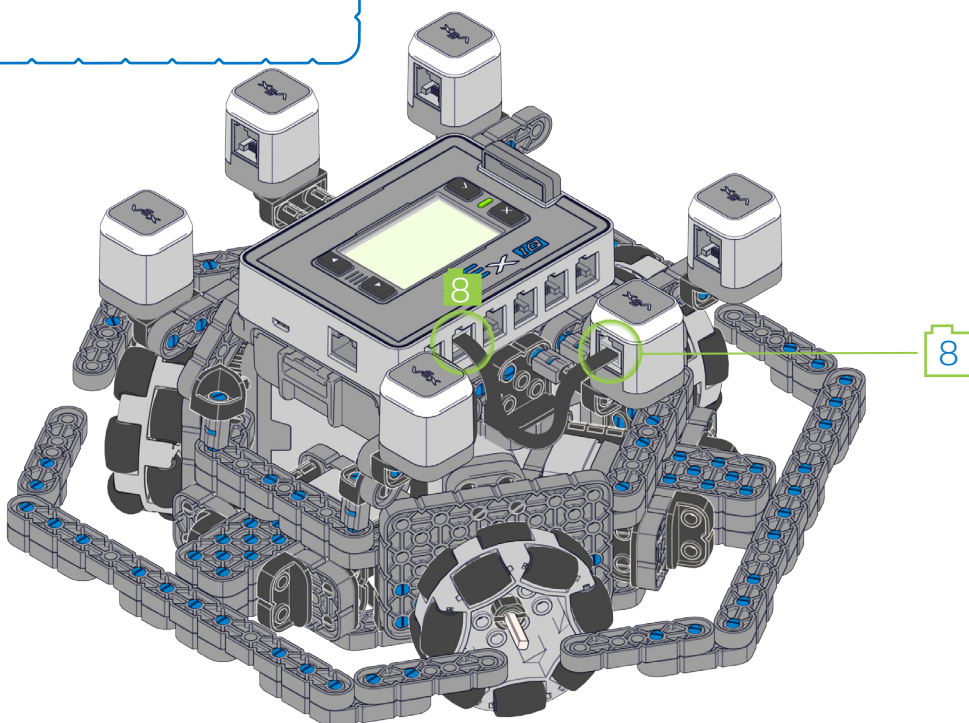
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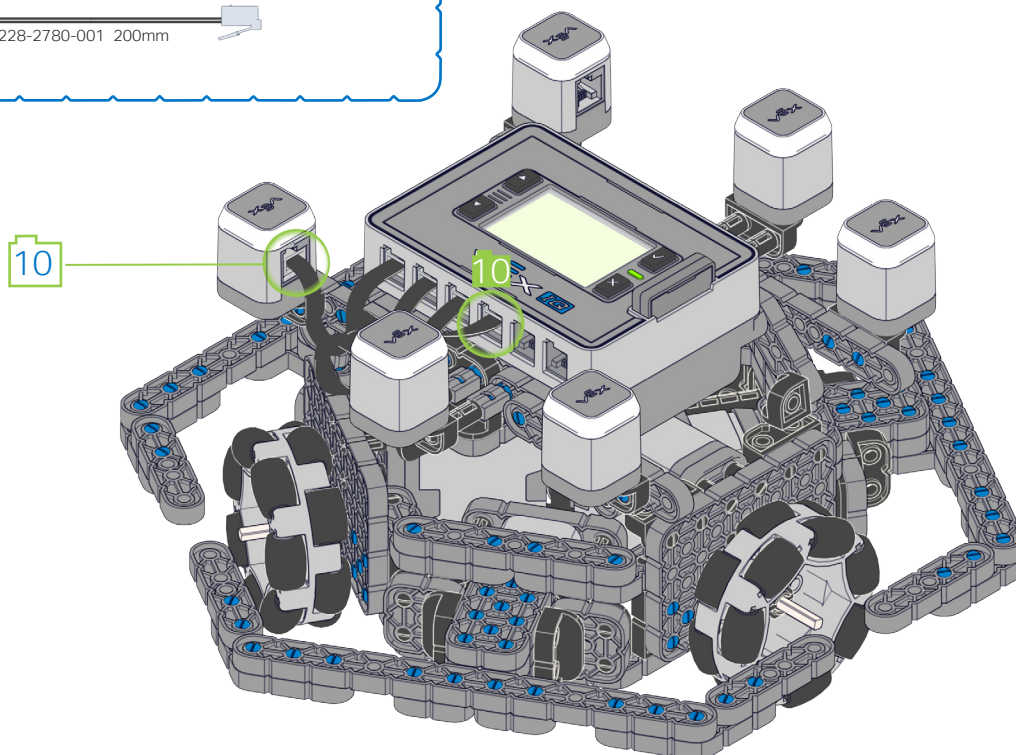
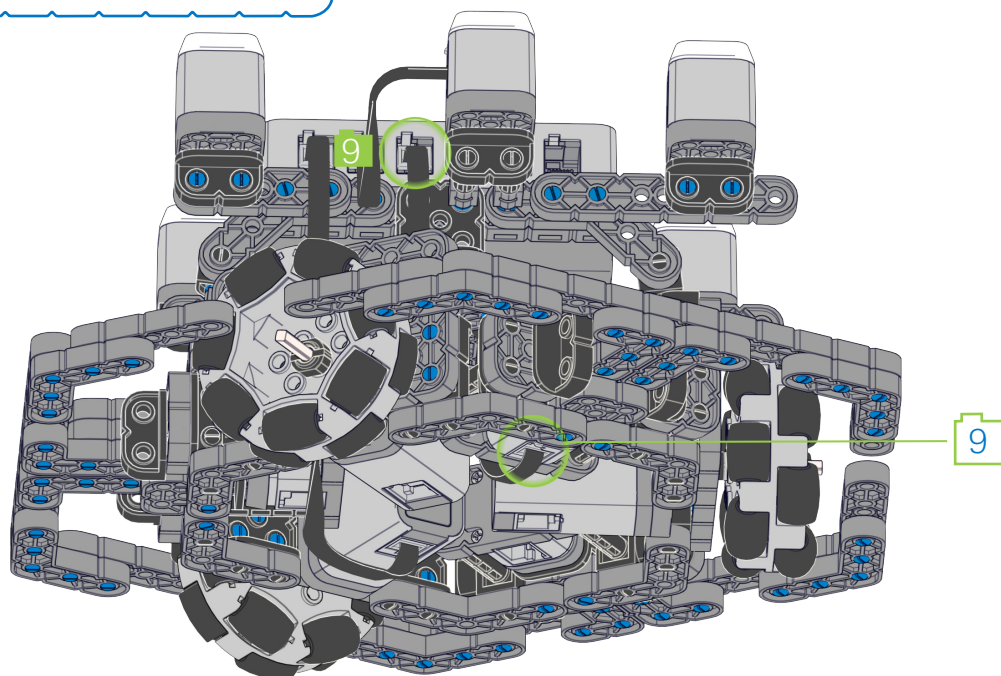


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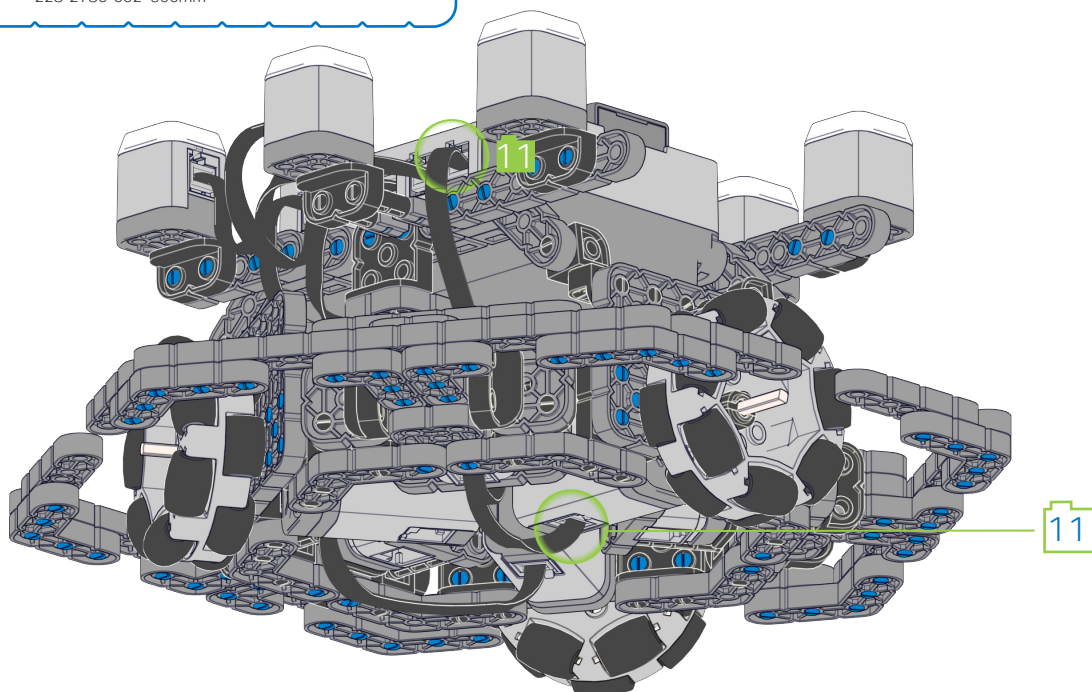
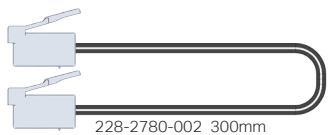


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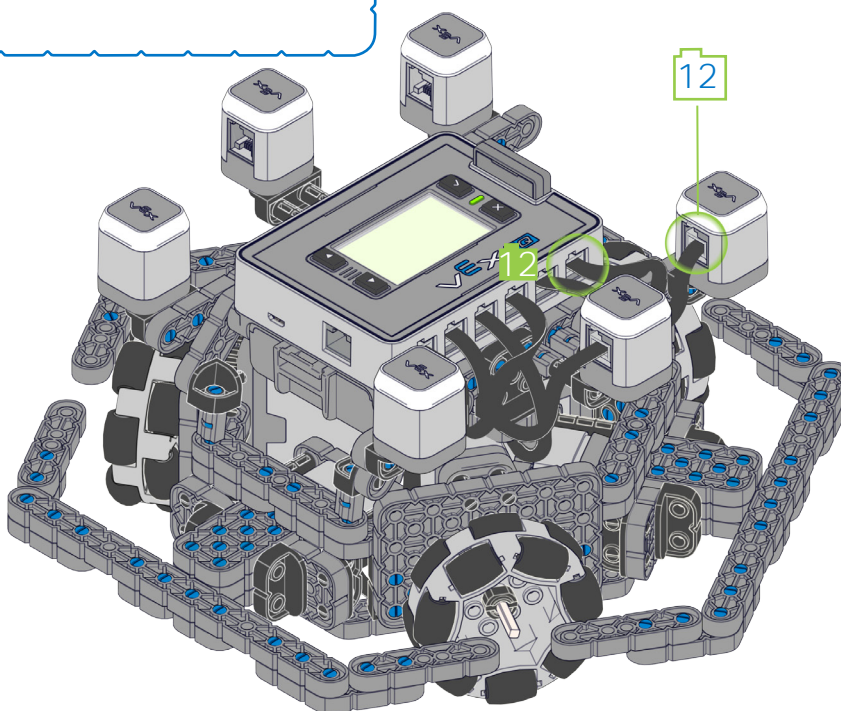


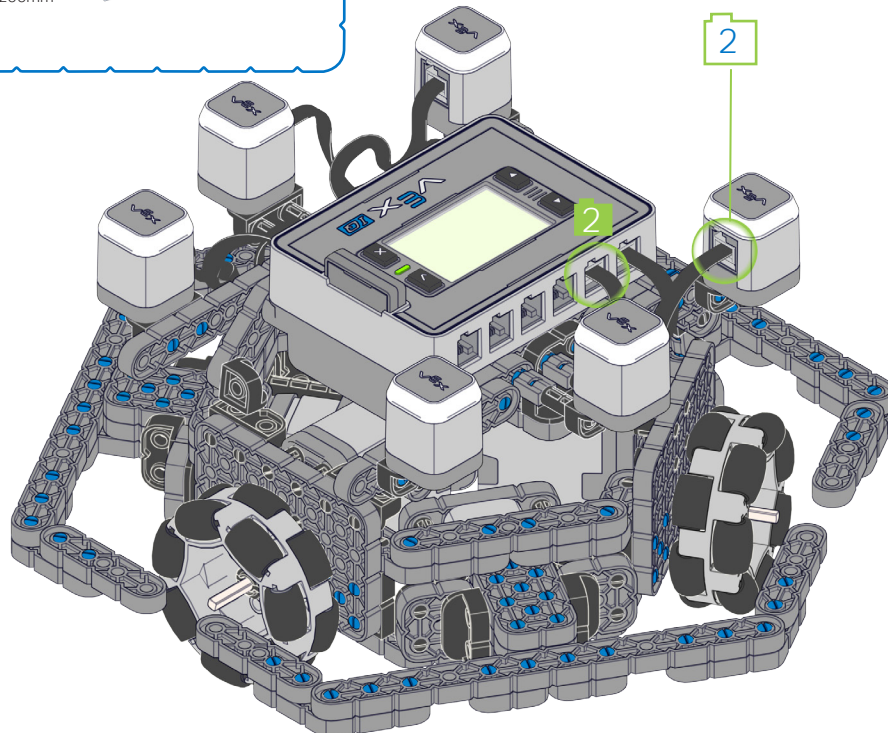
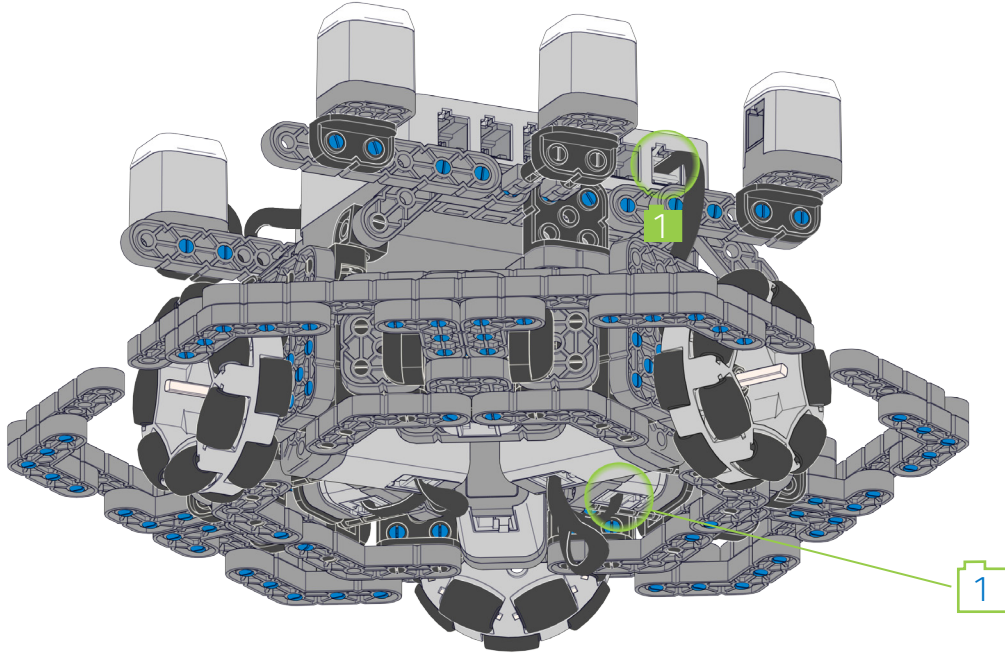
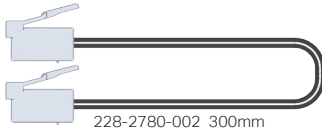


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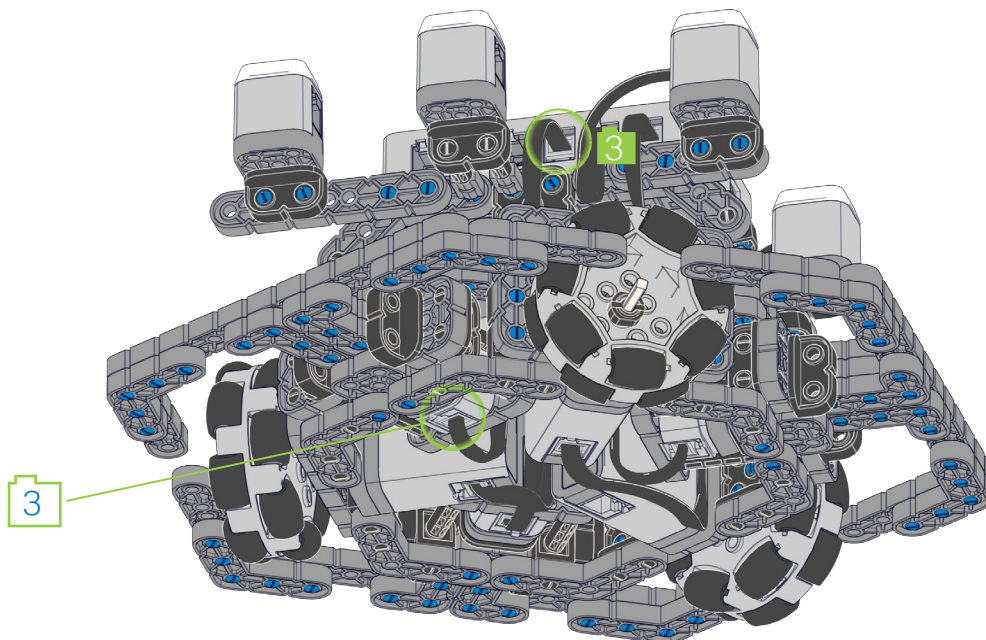
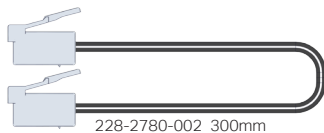


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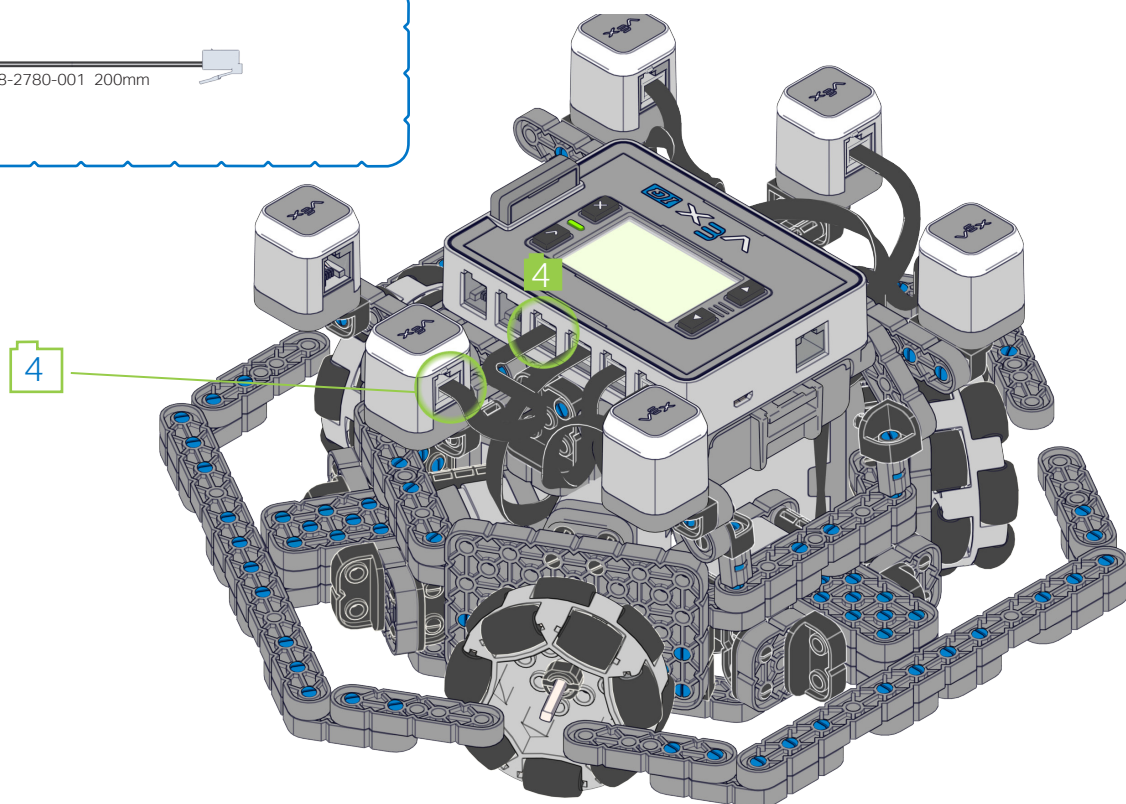




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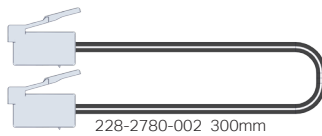
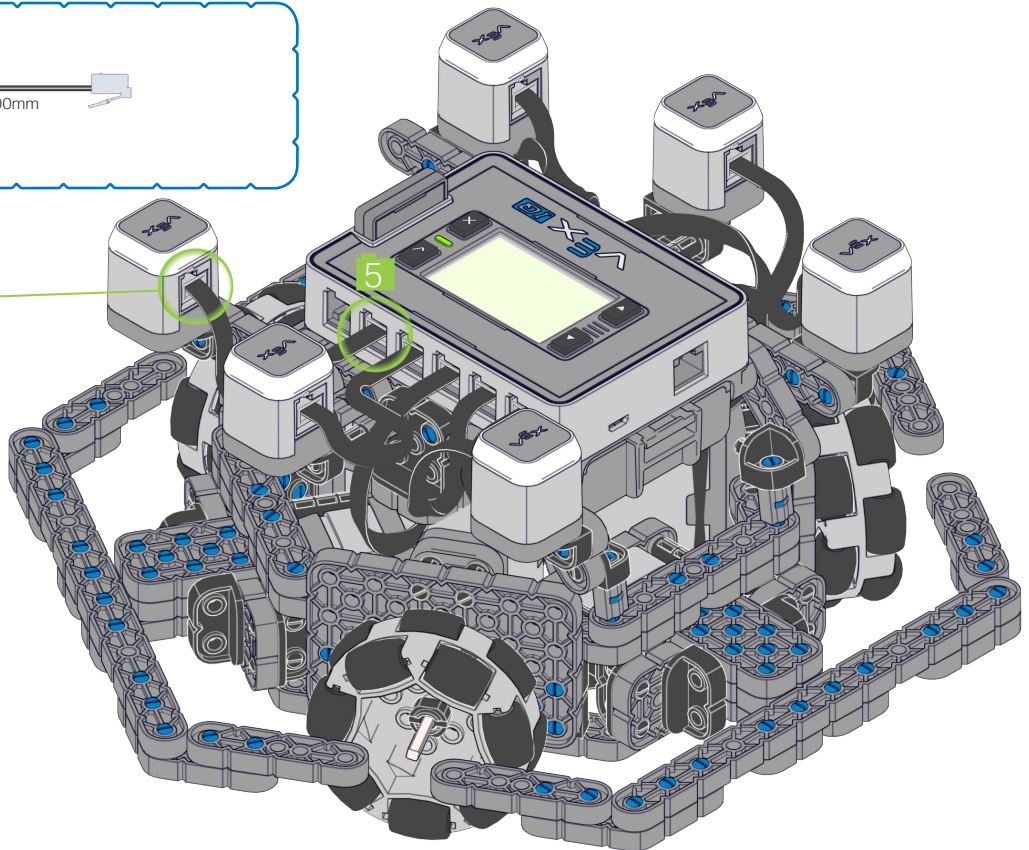
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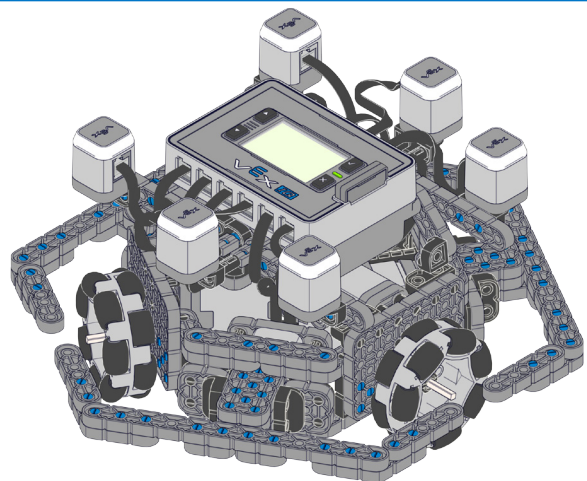
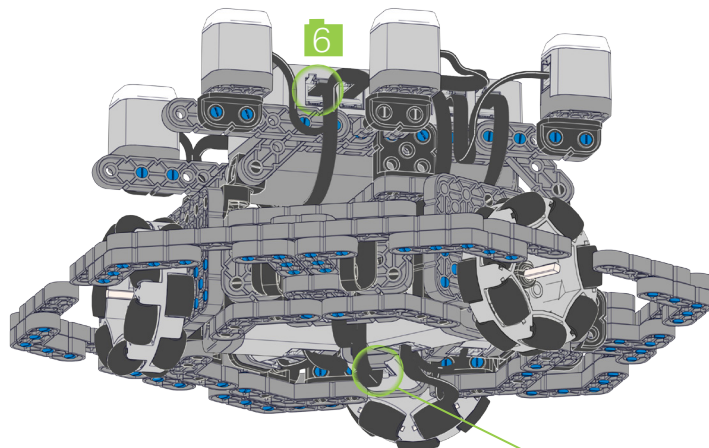
5

5



6

6



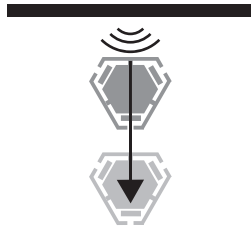
Directions
Directions

Spin
Rotation

Kiwibot Autonomous Mode: Mode Autonome :

While exploring, whenever the Kiwibot encounters an obstacle it will back up, spin, and randomly select one of the below modes to continue exploring. When the Touch LED is pressed the Kiwibot switches speeds in between Fast, Slow, and Stop.

Chaque fois que le Kiwibot rencontrera un obstacle en explorant, il sauvegardera, tournera et sélectionnera au hasard un des modes ci-dessous pour poursuivre l'exploration. Lorsque la Touche DEL est activée, le Kiwibot change de vitesse entre rapide, lente et arrêt.



Drive Straight Mode: Mode de Conduite Droite:

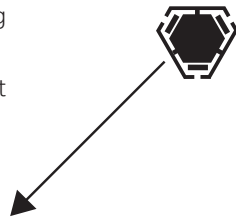
The Kiwibot will explore by driving in a straight line.
Le Kiwibot explorera en avançant en ligne droite.



Diagonal Left Mode: Mode diagonal gauche:

The Kiwibot will explore by driving diagonally left.

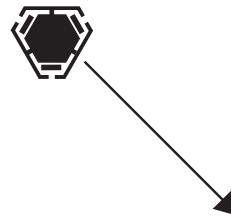
Le Kiwibot explorera en avançant en diagonal vers la gauche.



Drive Diagonal Right Mode: Mode Diagonal Droit :

The Kiwibot will explore by driving diagonally right.

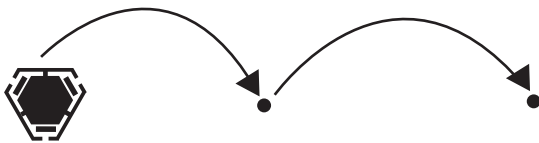
Le Kiwibot explorera en avançant en diagonal vers la droite.



Cartwheel Mode: Mode Roue :

The Kiwibot will explore by doing "cartwheels" while driving in a straight line.

Le Kiwibot explorera en faisant « la roue » tout en avançant en ligne droite.



Spin Mode: Mode rotatif :

The Kiwibot will explore by rotating its center while driving in a straight line.

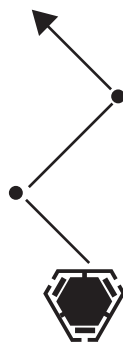
Le Kiwibot explorera en tournant son centre tout en avançant en ligne droite.



Zig-Zag Mode: Mode Zig-Zag:

The Kiwibot will explore by driving in a zig-zag line.

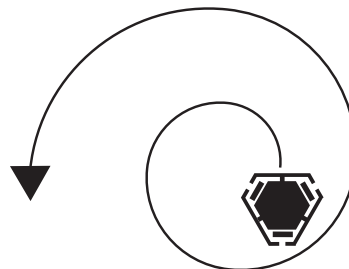
Le Kiwibot explorera en avançant en ligne zig-zag.



Spiral Mode: Mode Spirale :

The Kiwibot will explore by driving in an ever-expanding spiral.

Le Kiwibot explorera en avançant en spirale en expansion indéfinie.

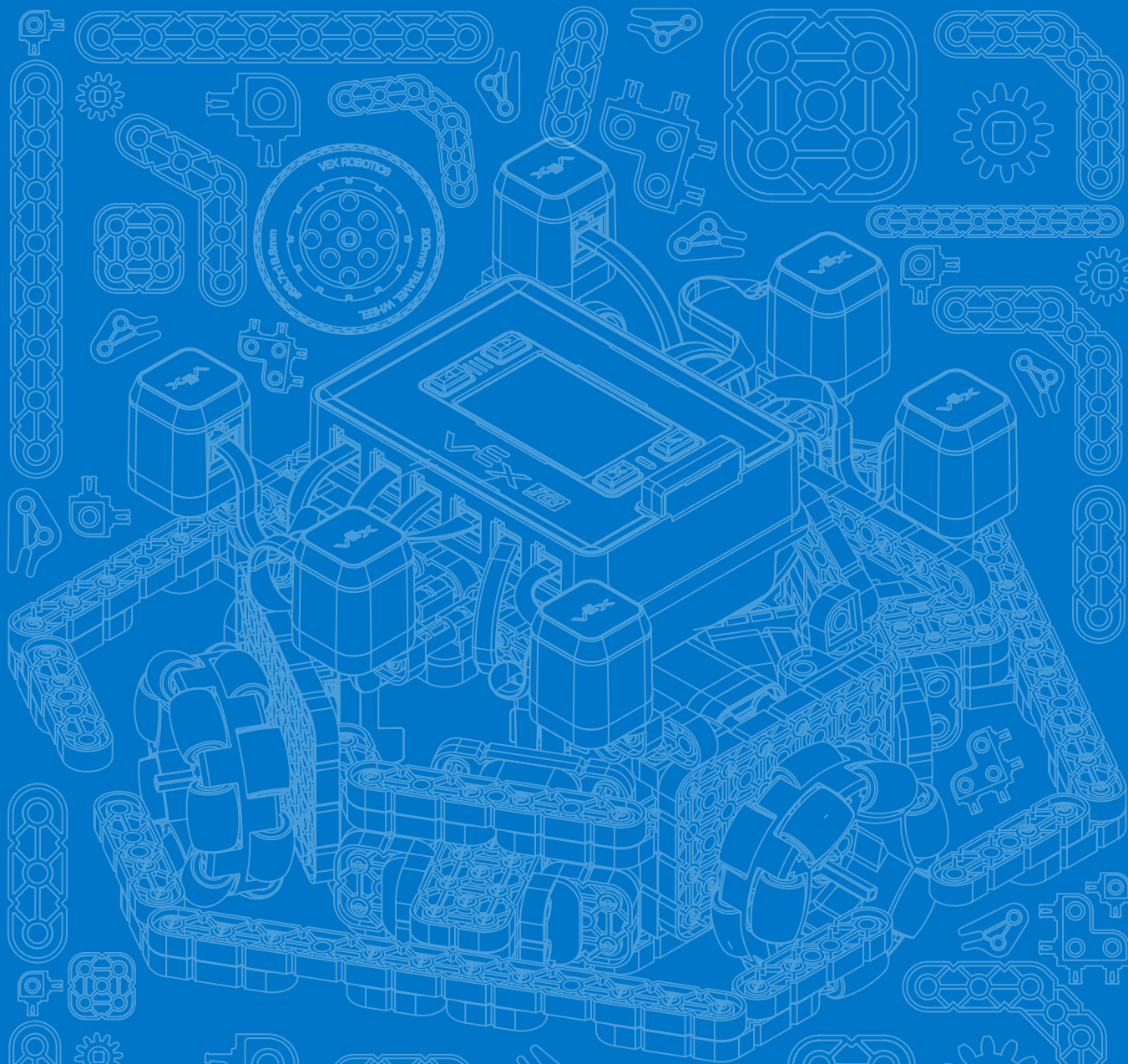




Kiwi Drive Dot Build Instructions Instructions de Construction Kiwi Drive Bot

Ages 8+

Ans 8+



228-2500-760 Rev1

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