

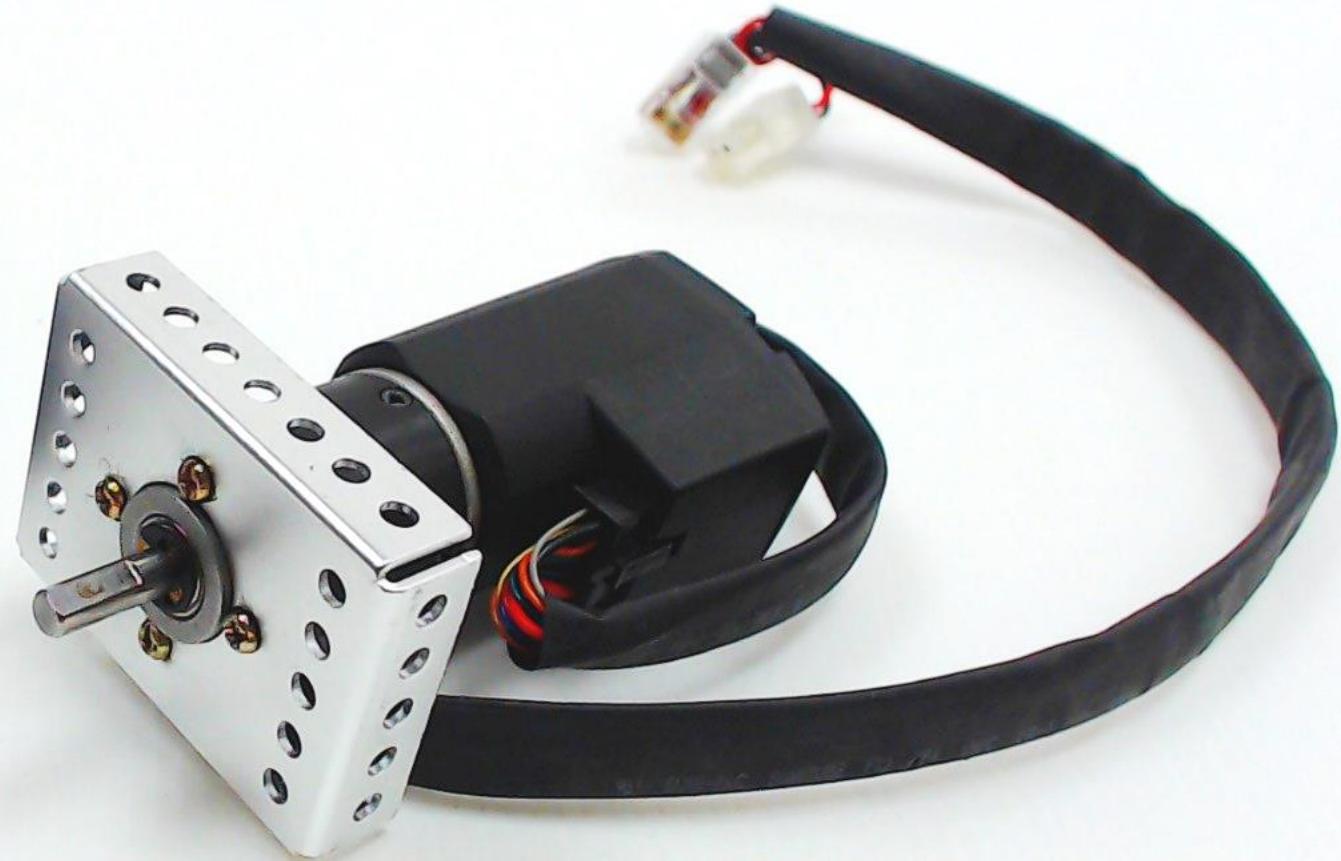


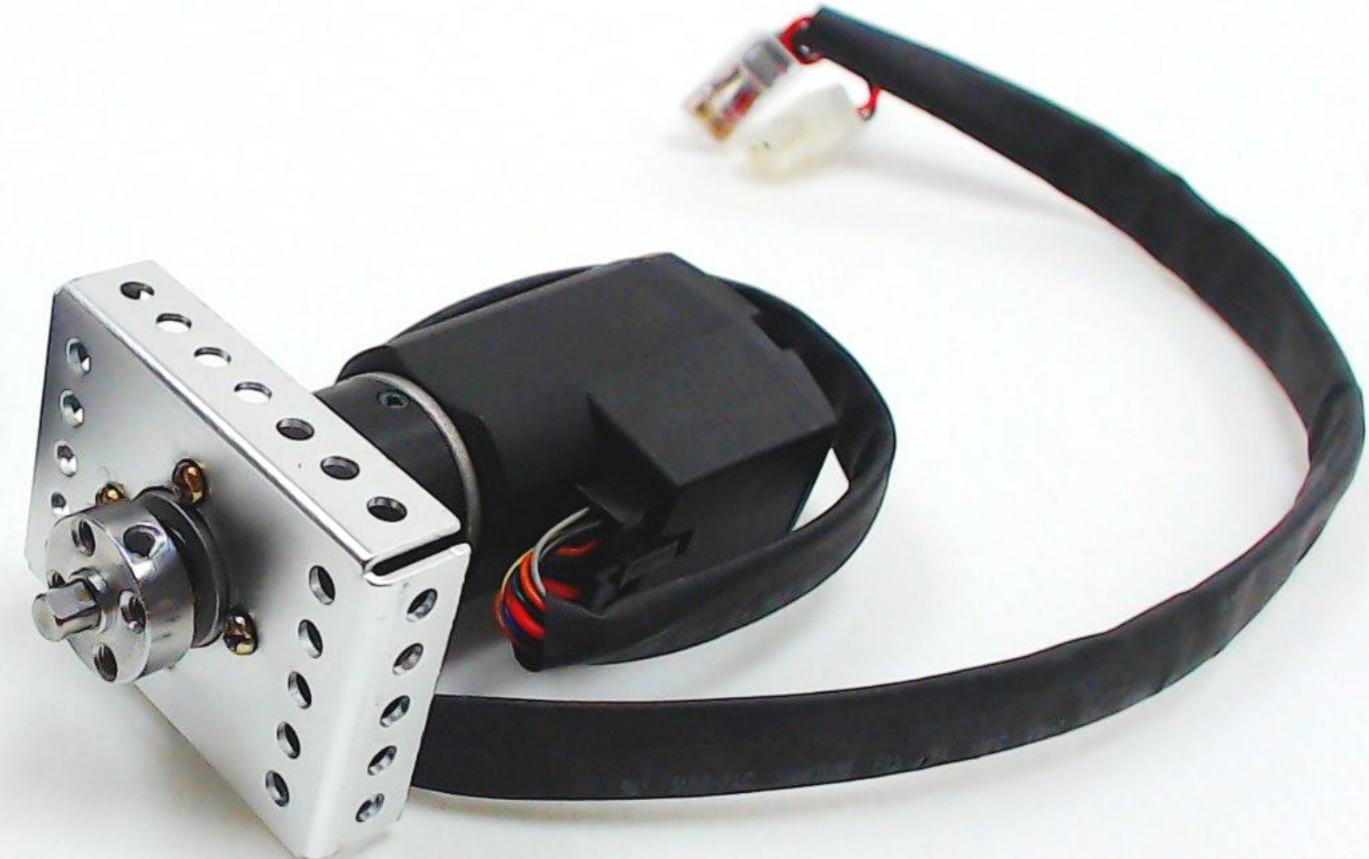
WRO 2017

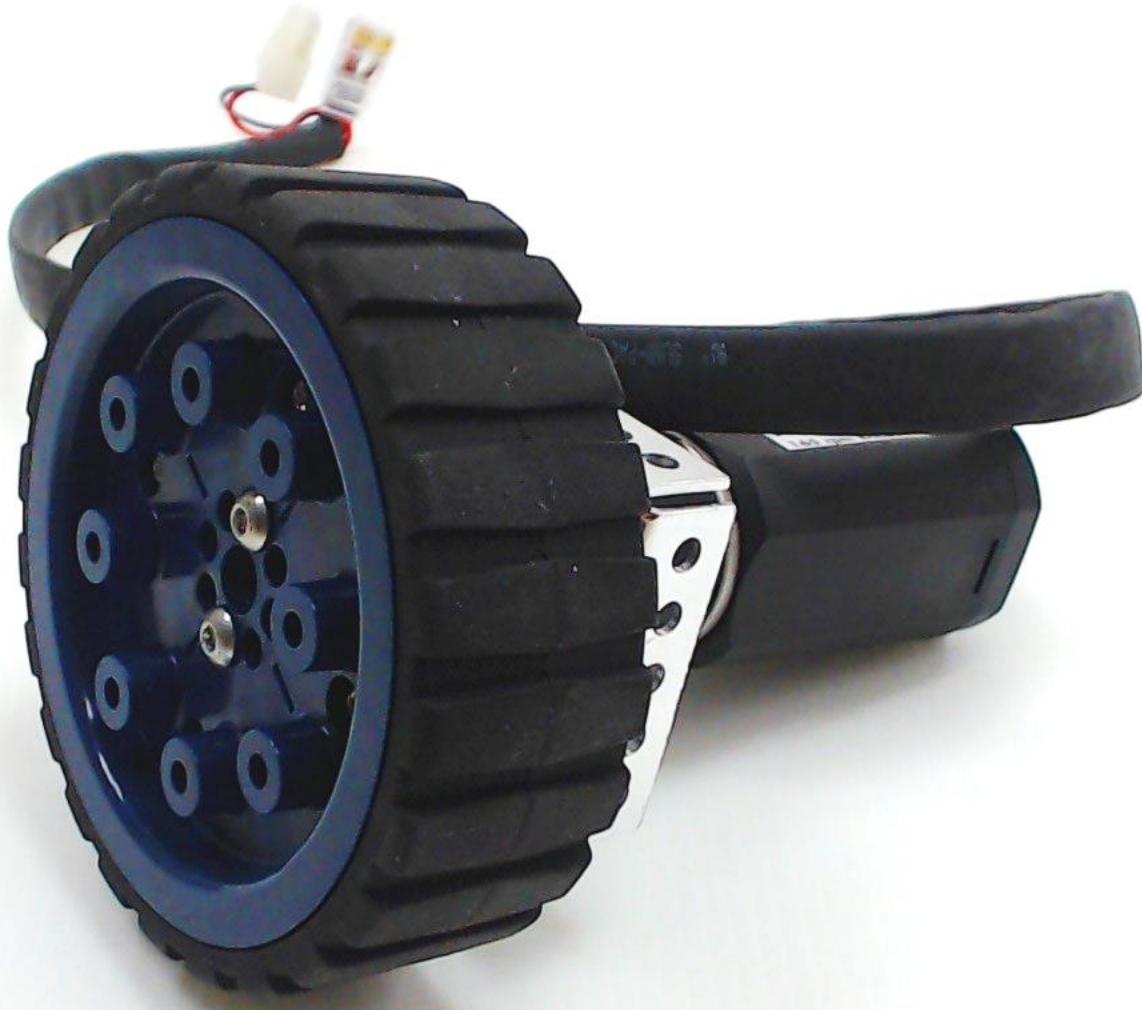
Advanced Robotic Challenge

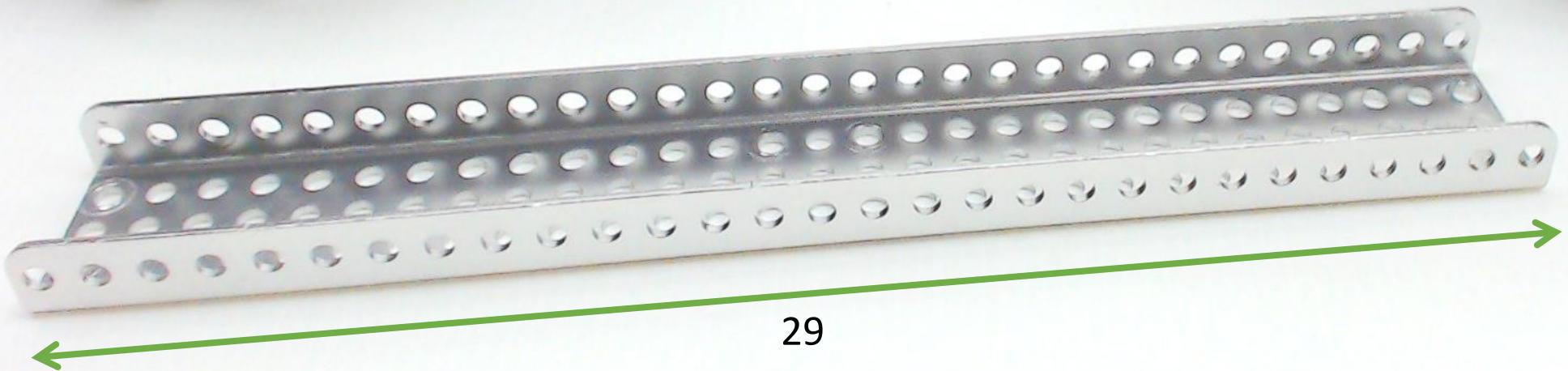
Solution Building Instruction

Made by Alex Tkachenko

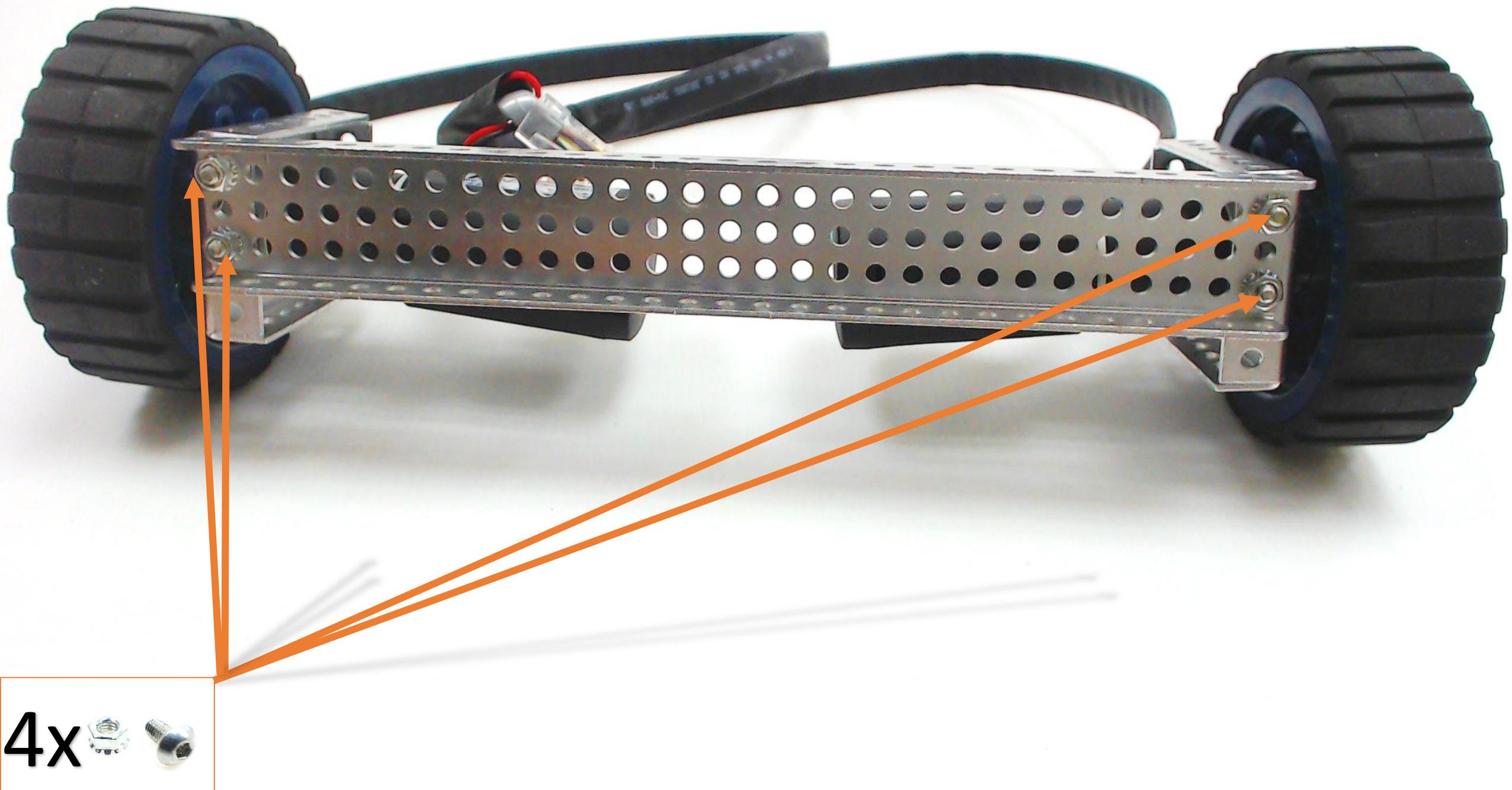


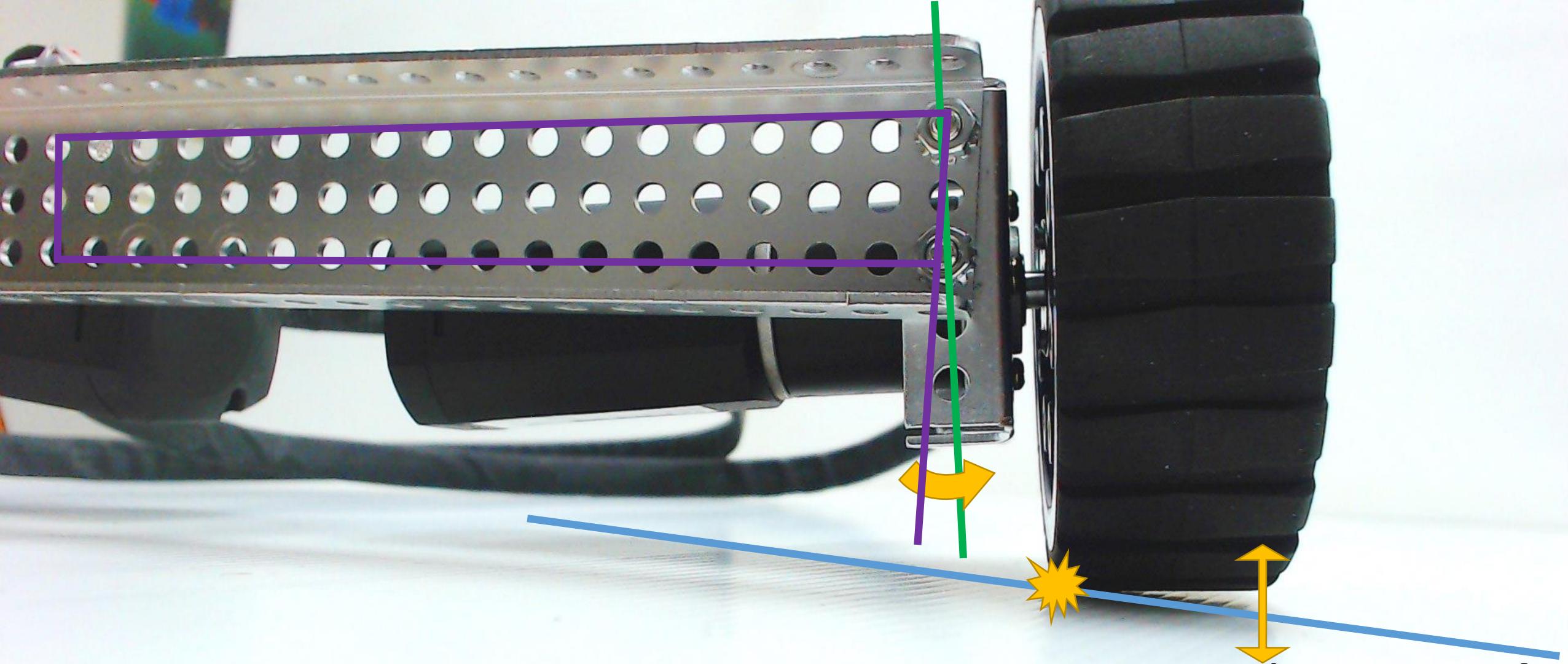






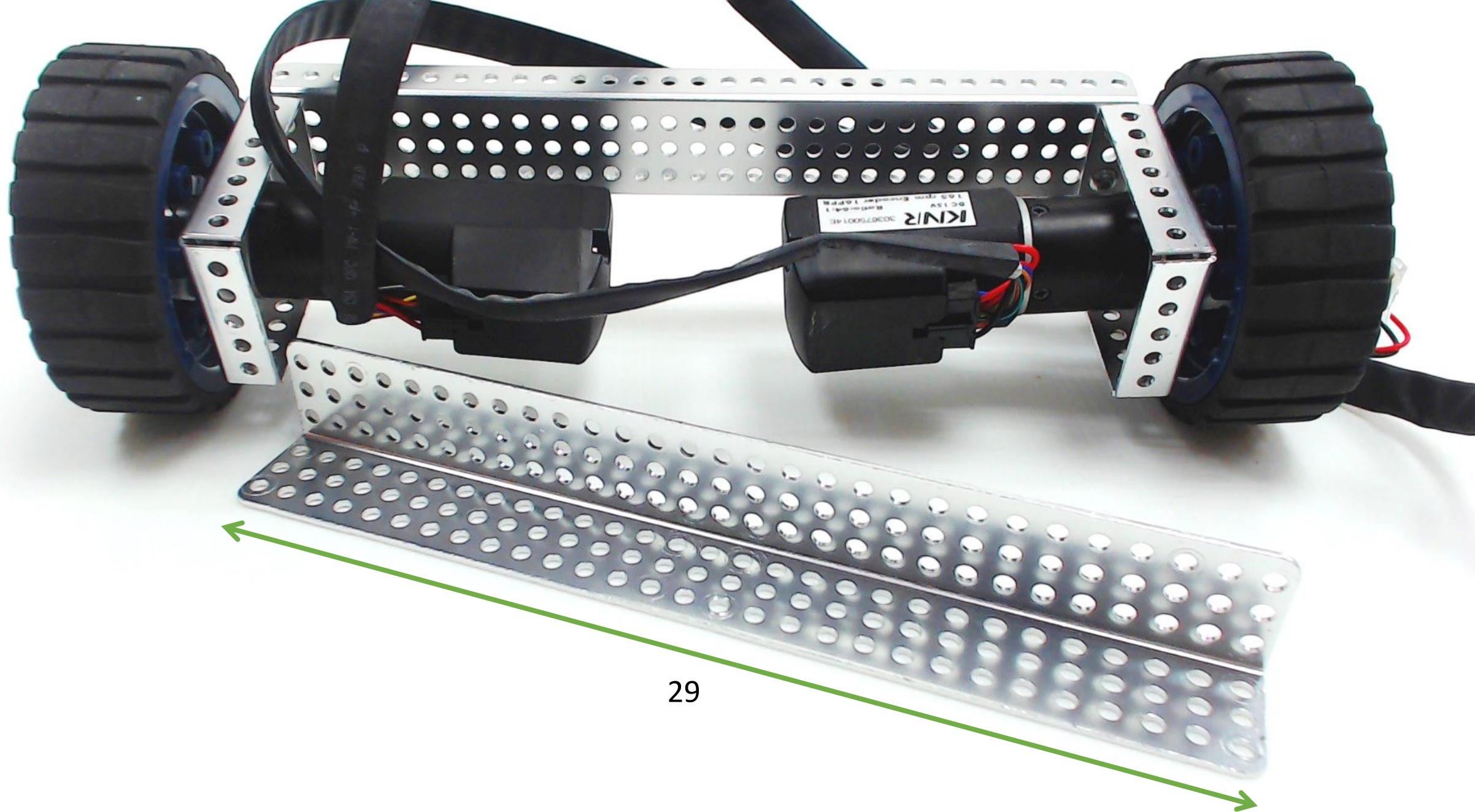
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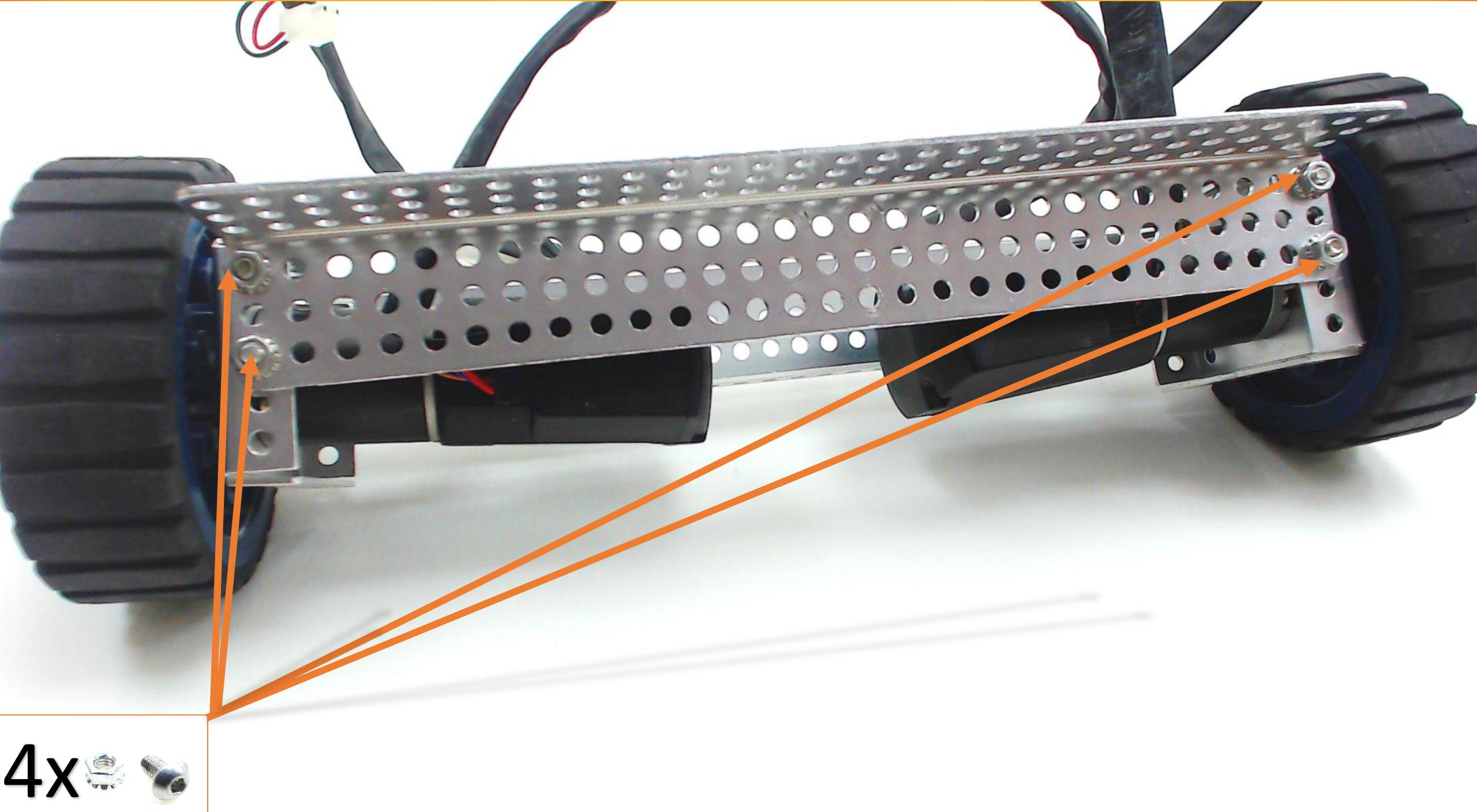




Connect with **max angle**

Wheel has only **one point** touching the ground
Movement precision in turns is improved



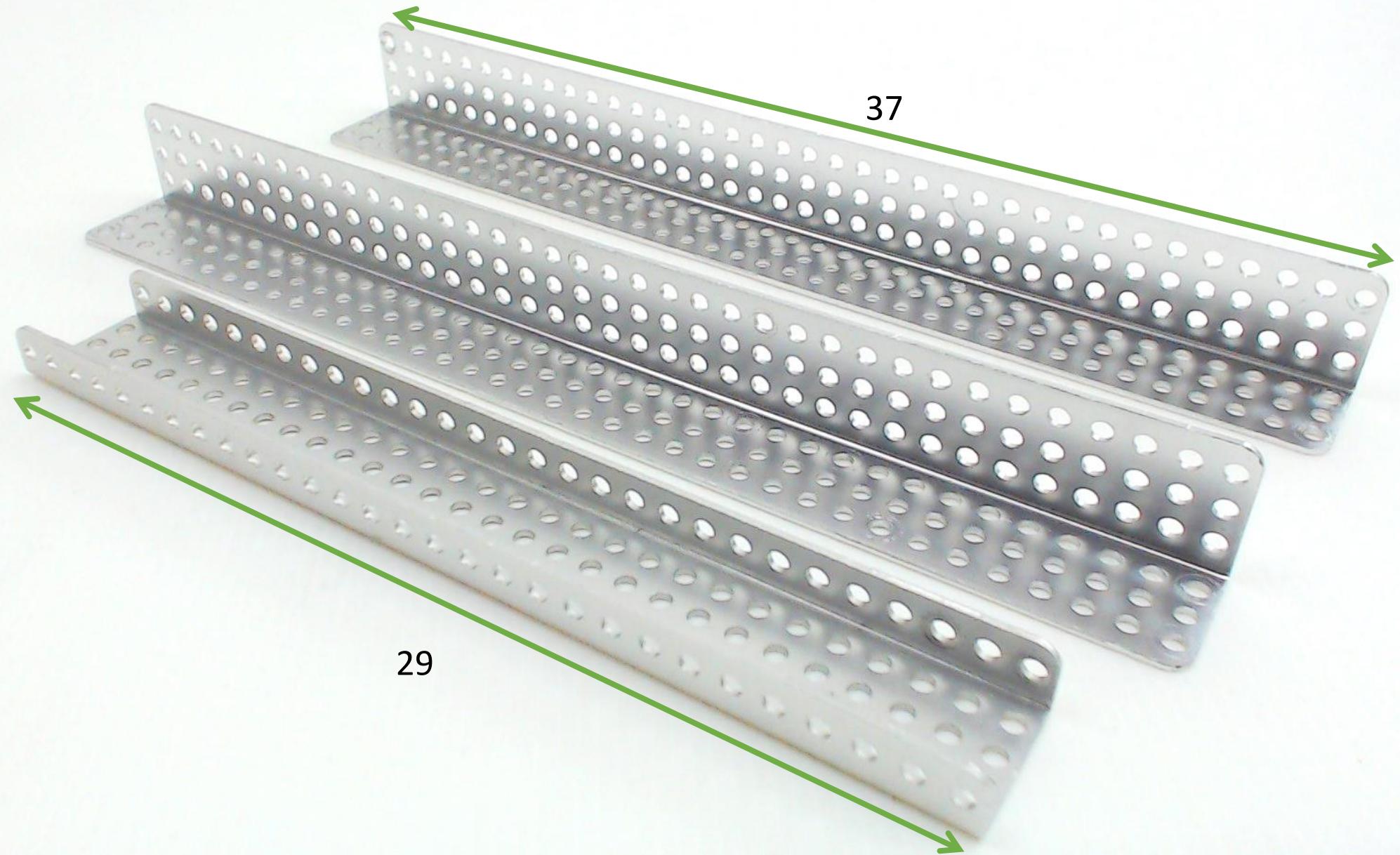




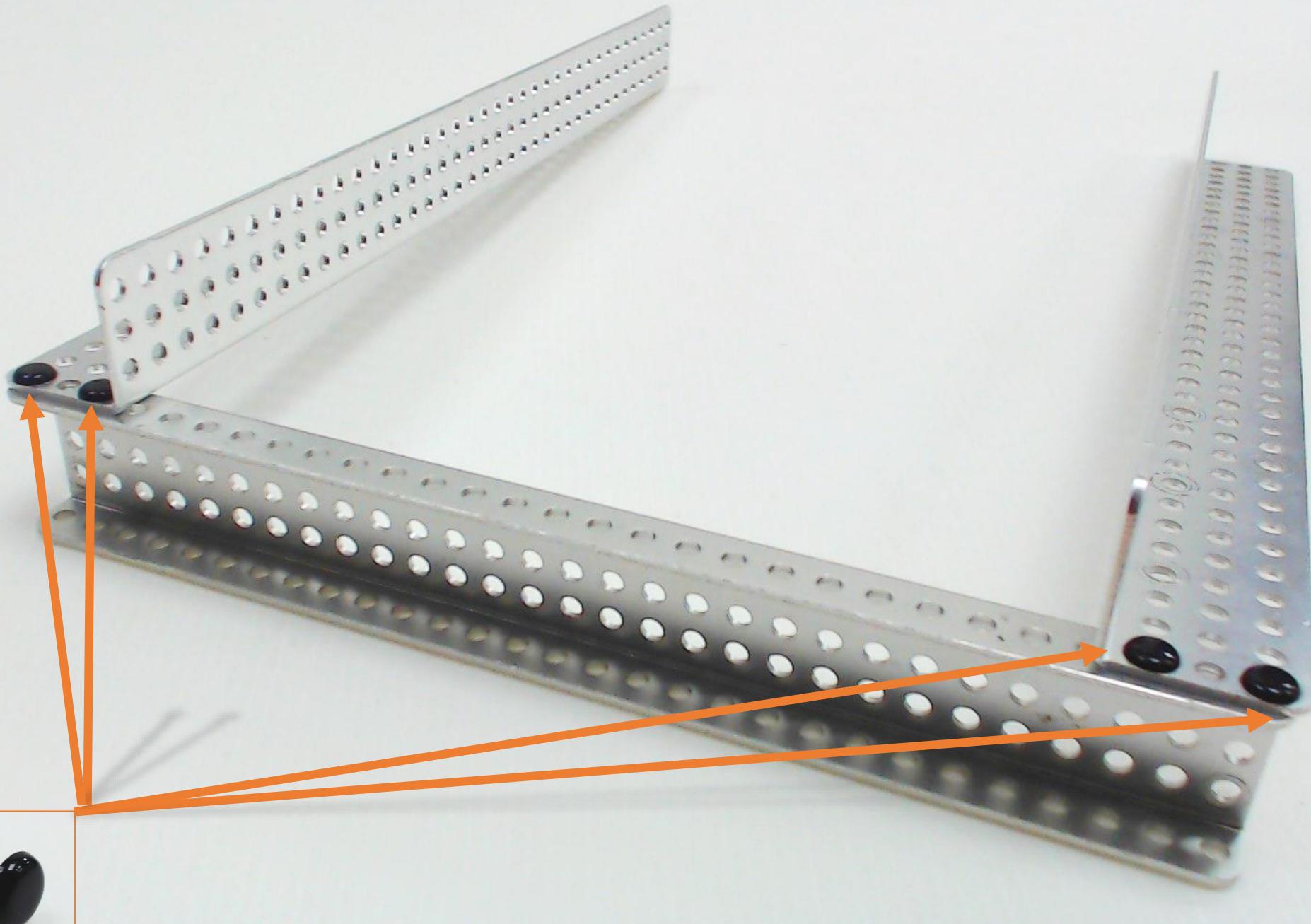
52mm

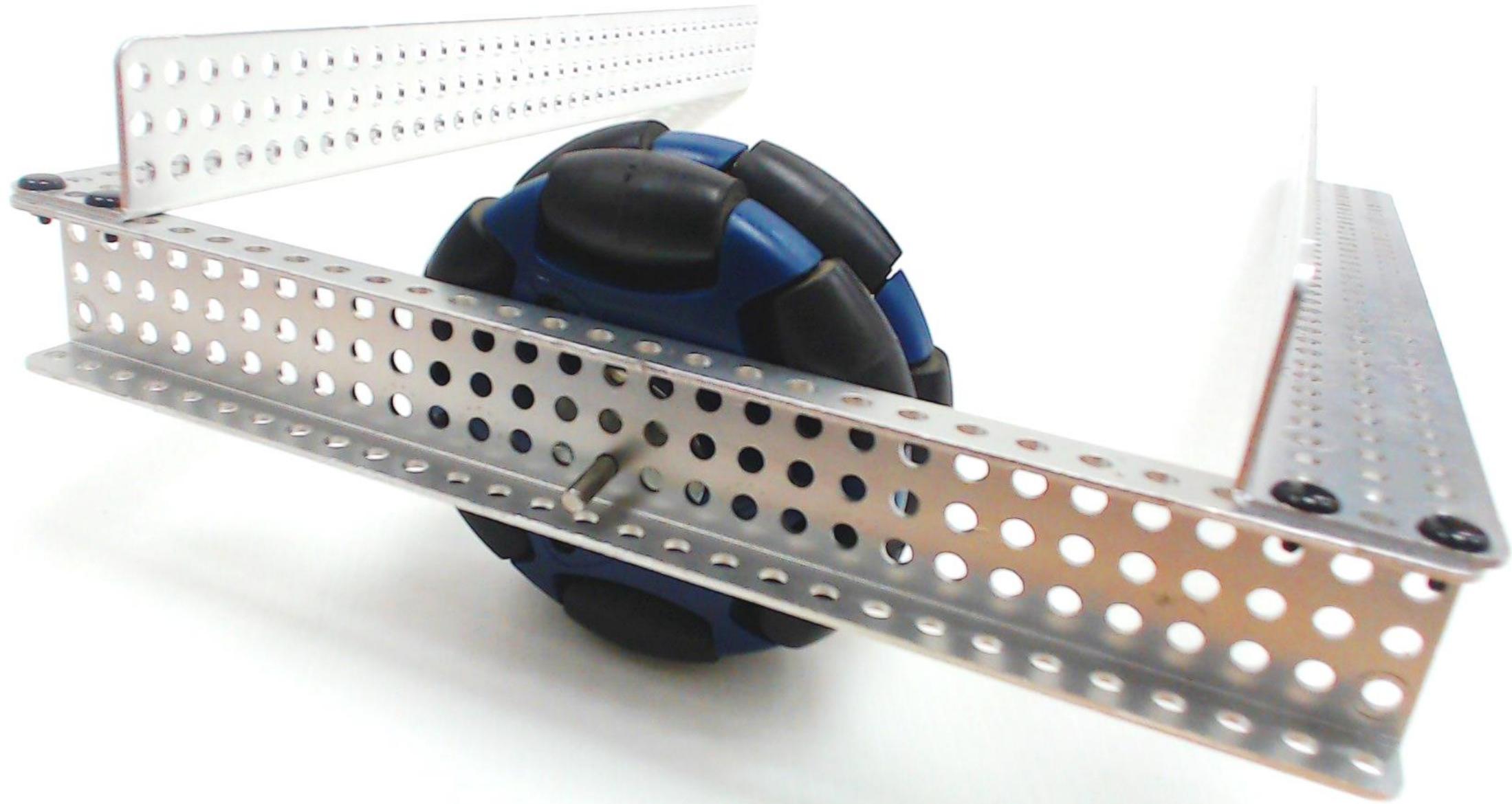


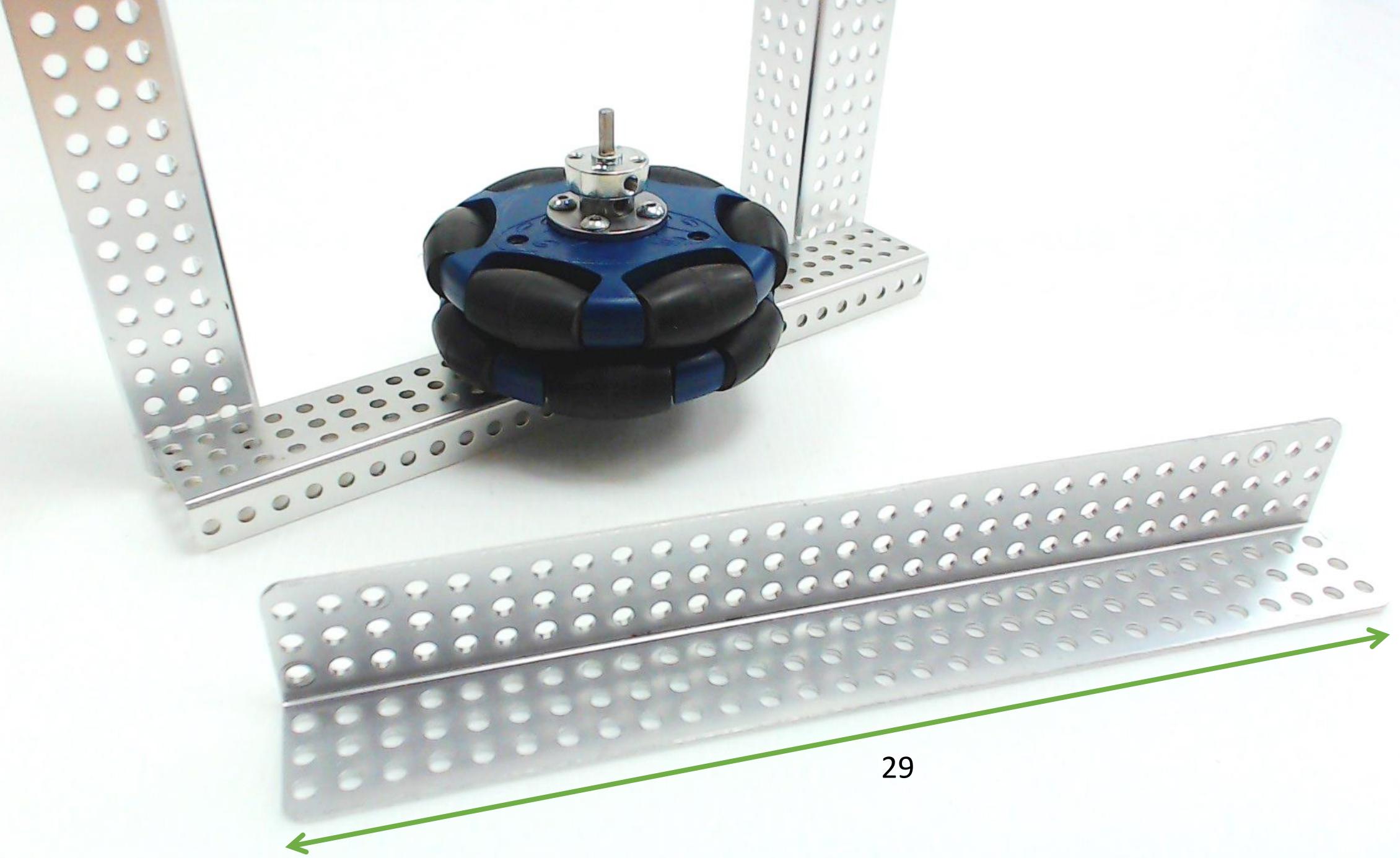
~ 1 CM



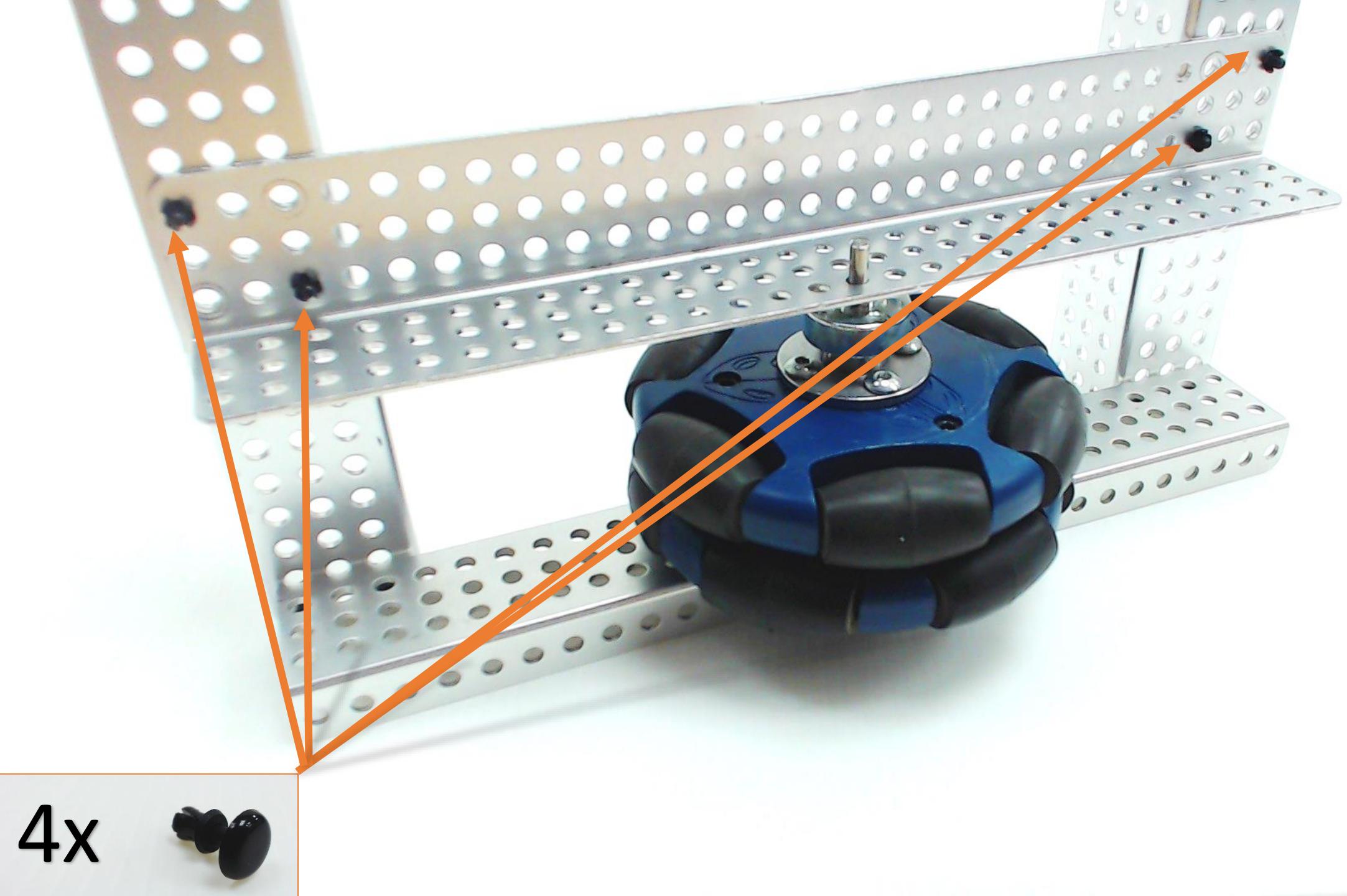
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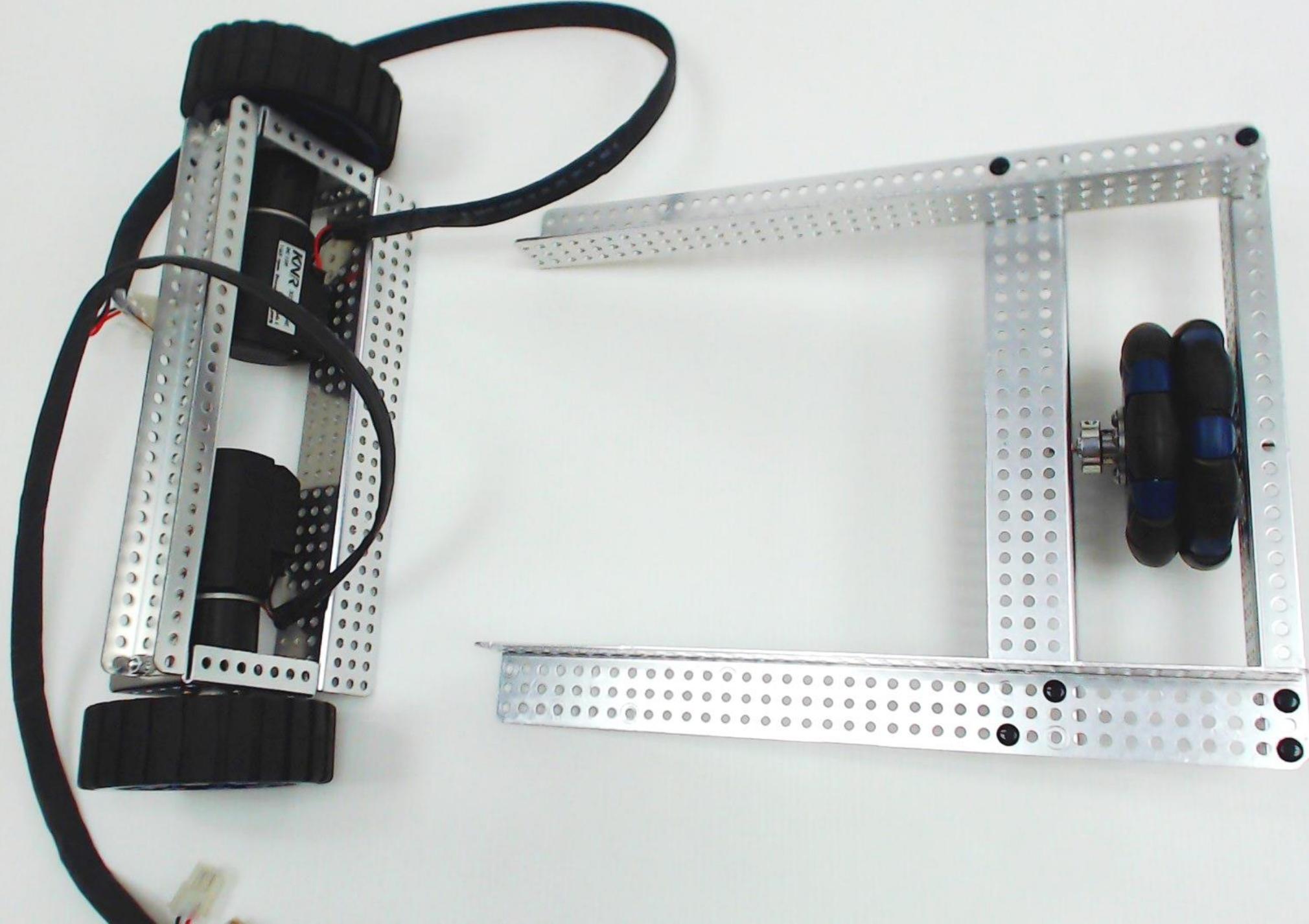




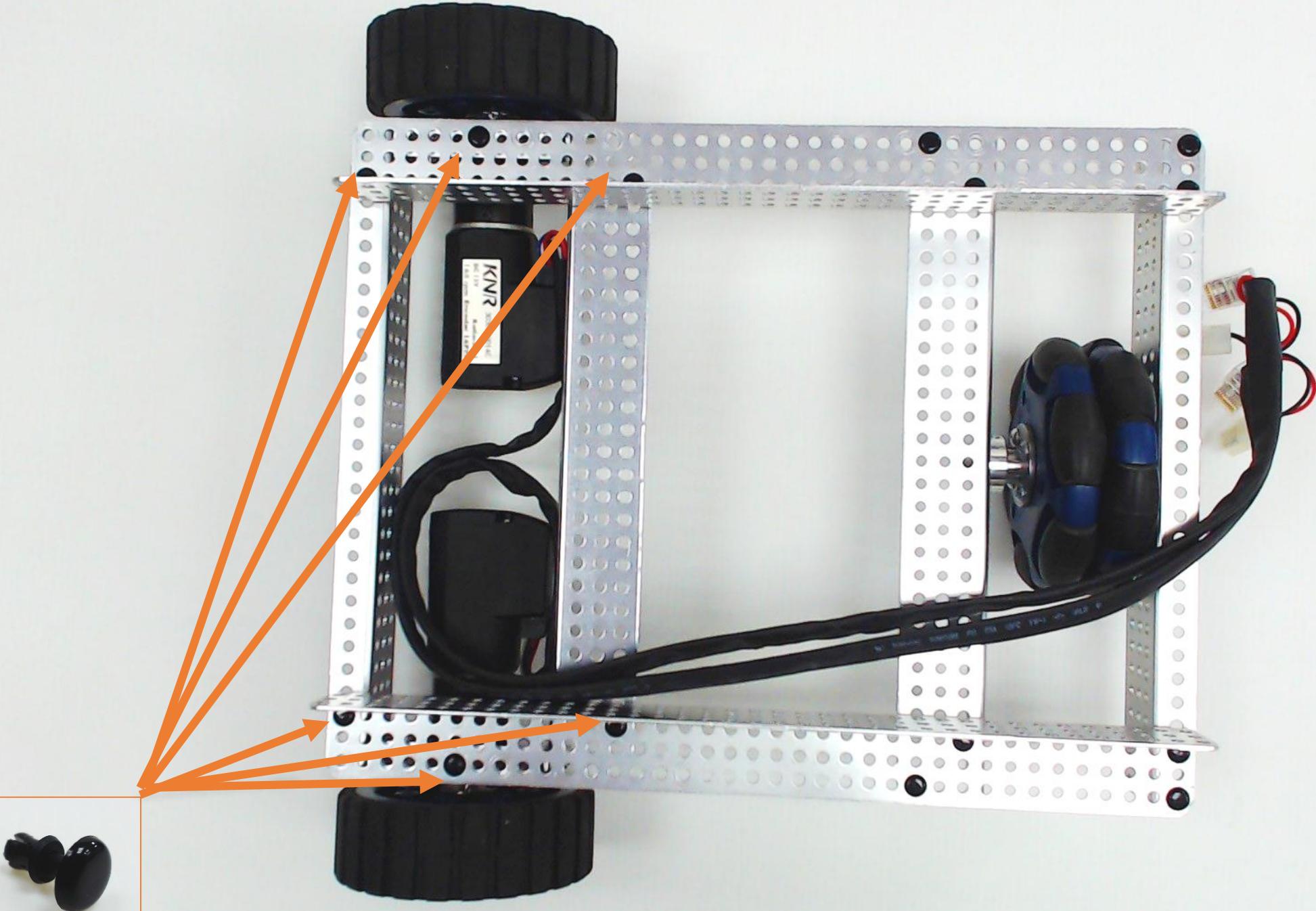
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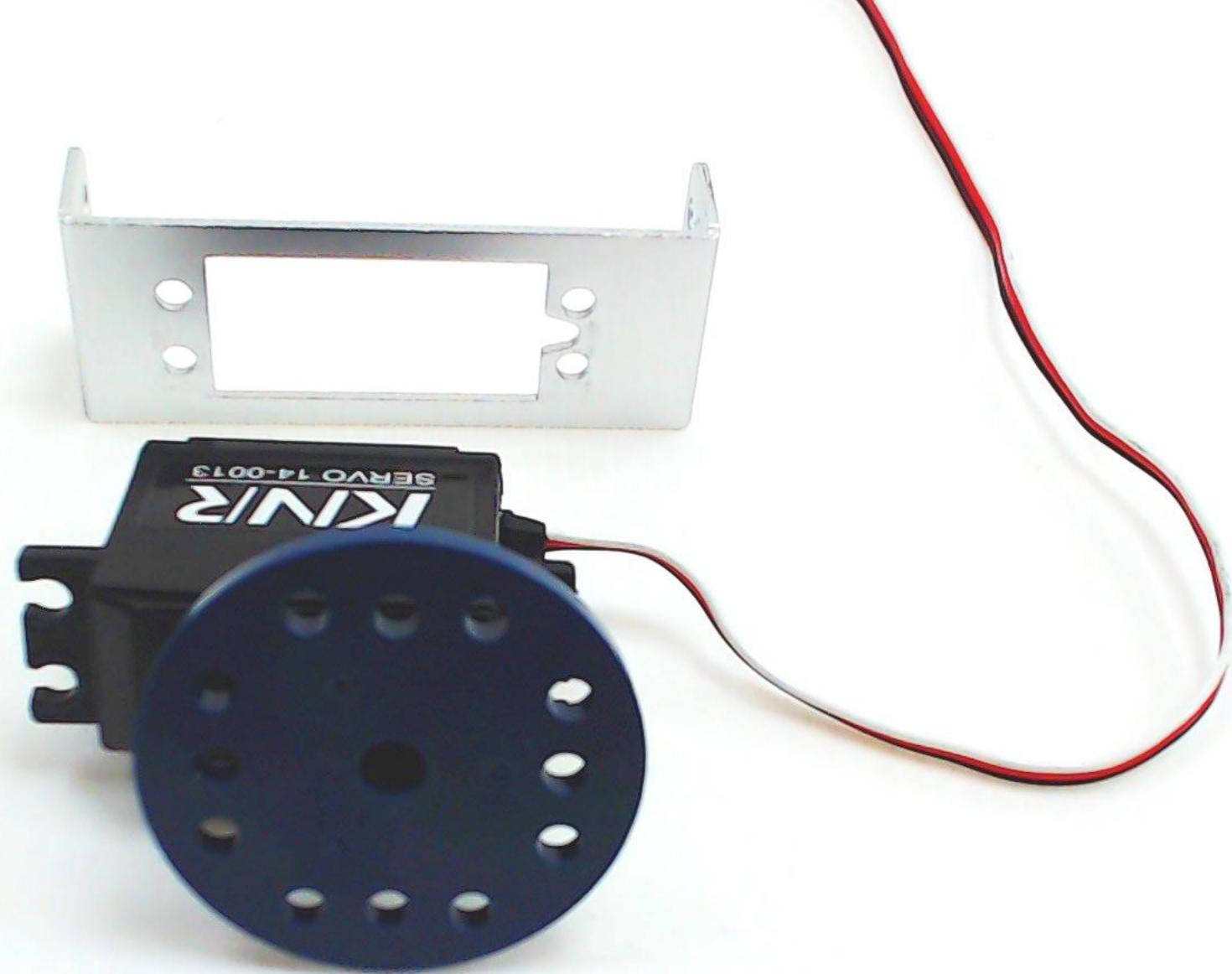


4x



6x

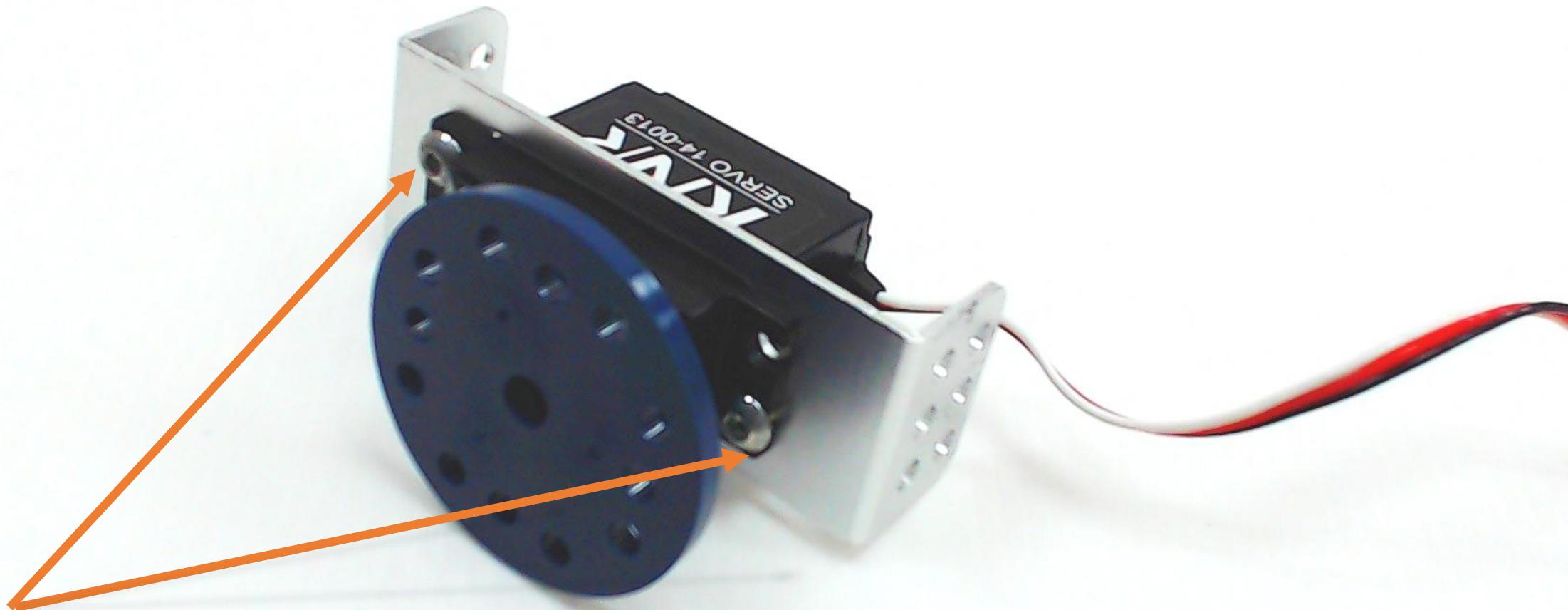


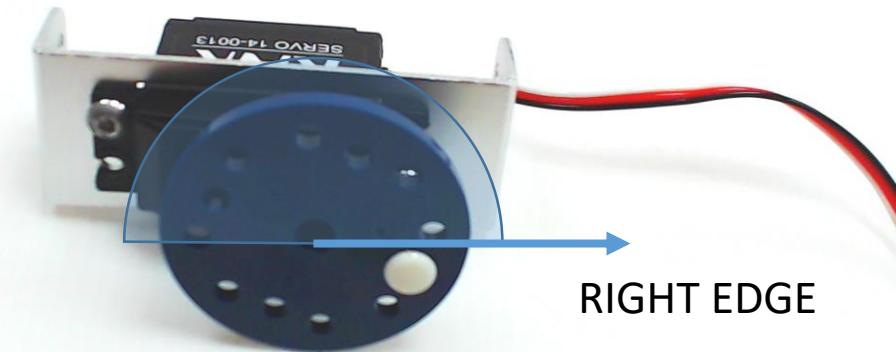
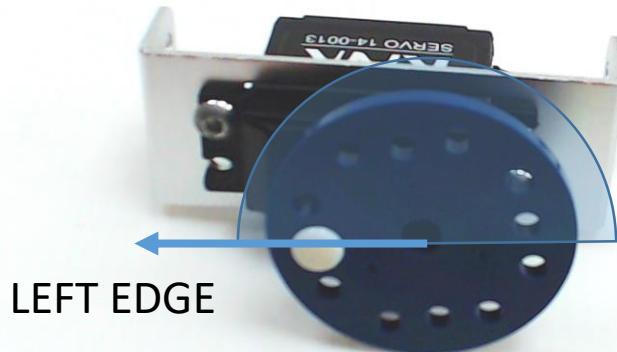


SERVO 14-0013

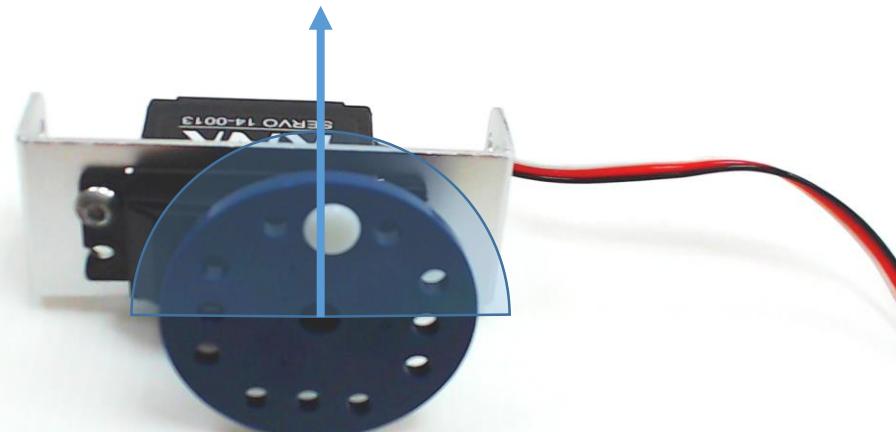
IKV/R

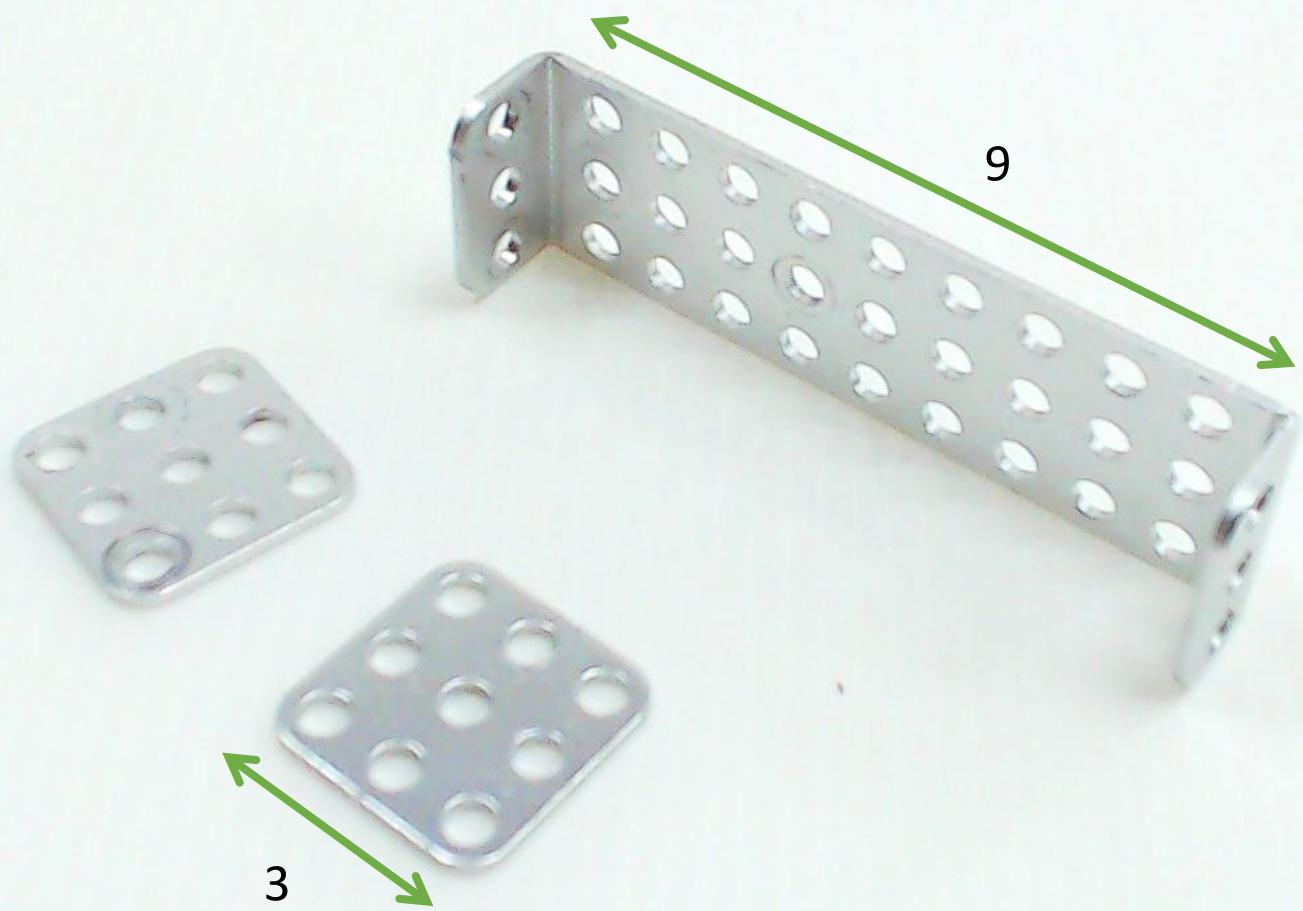
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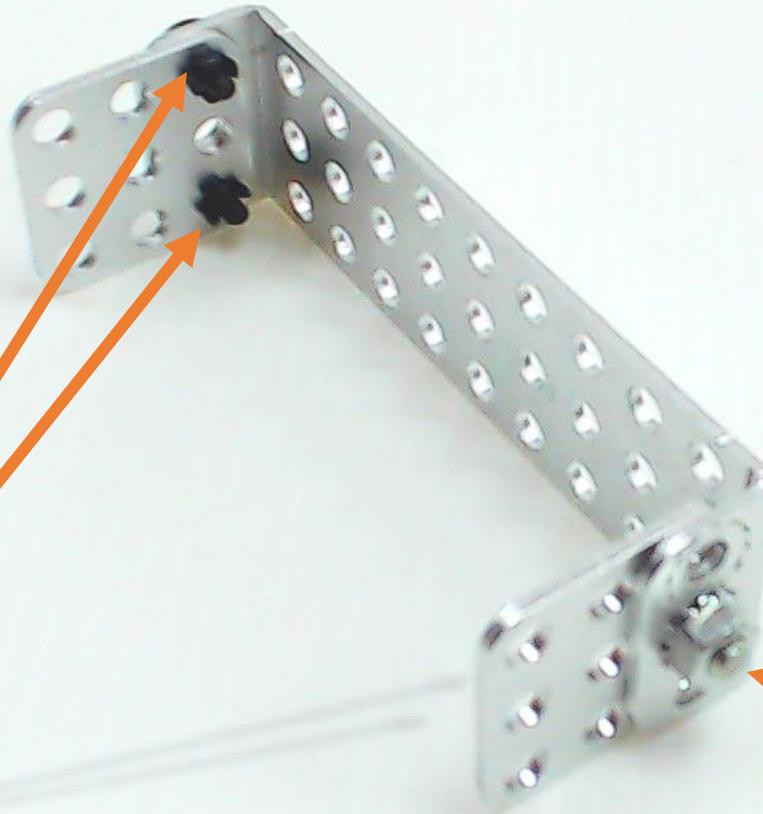


Center



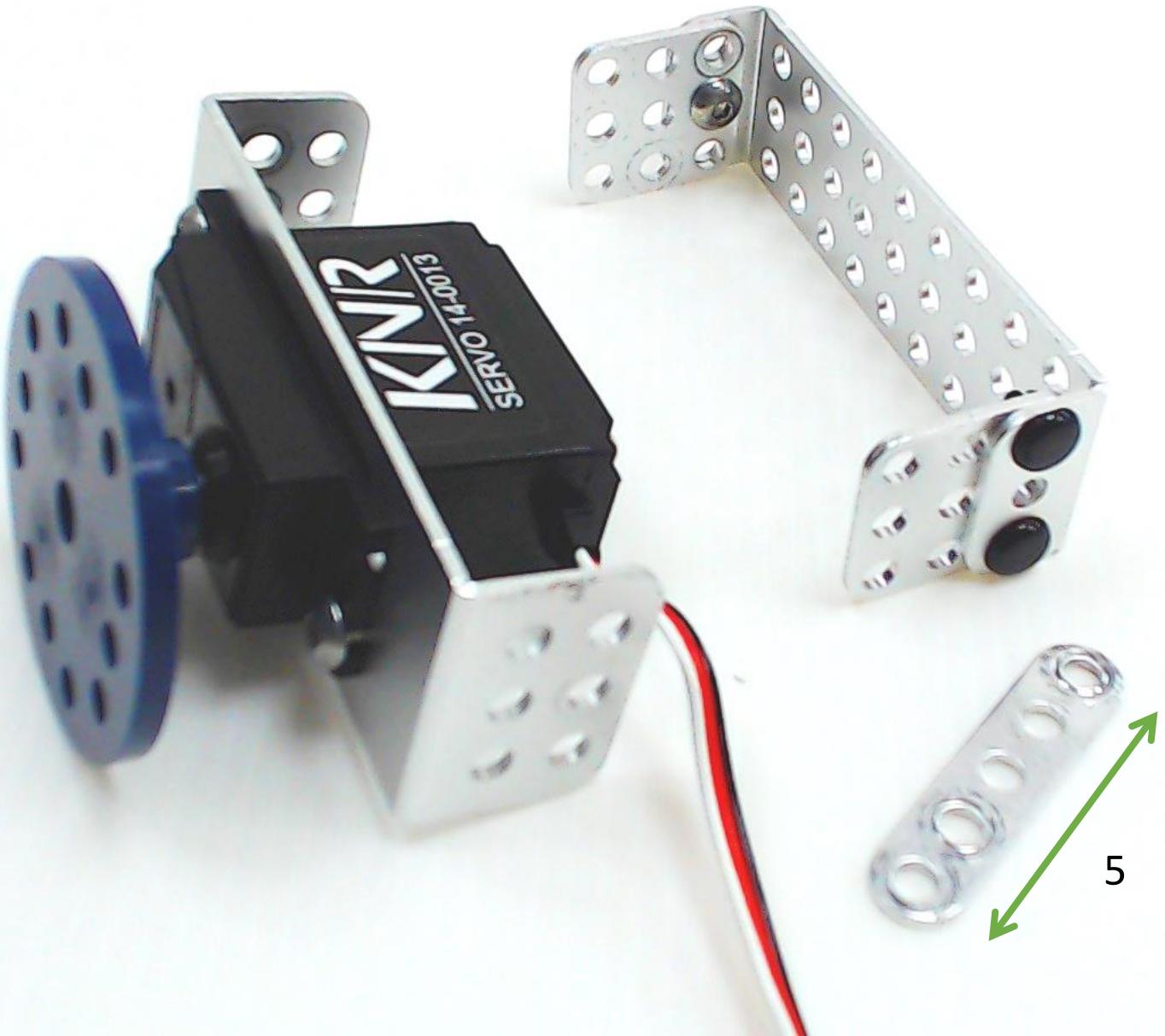


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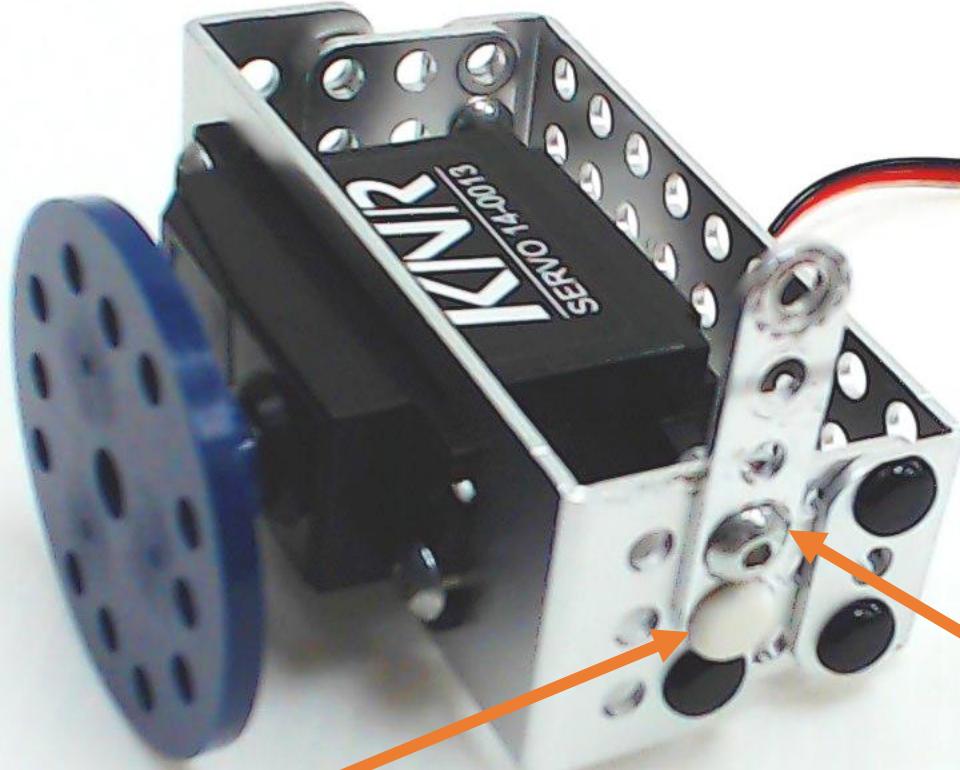


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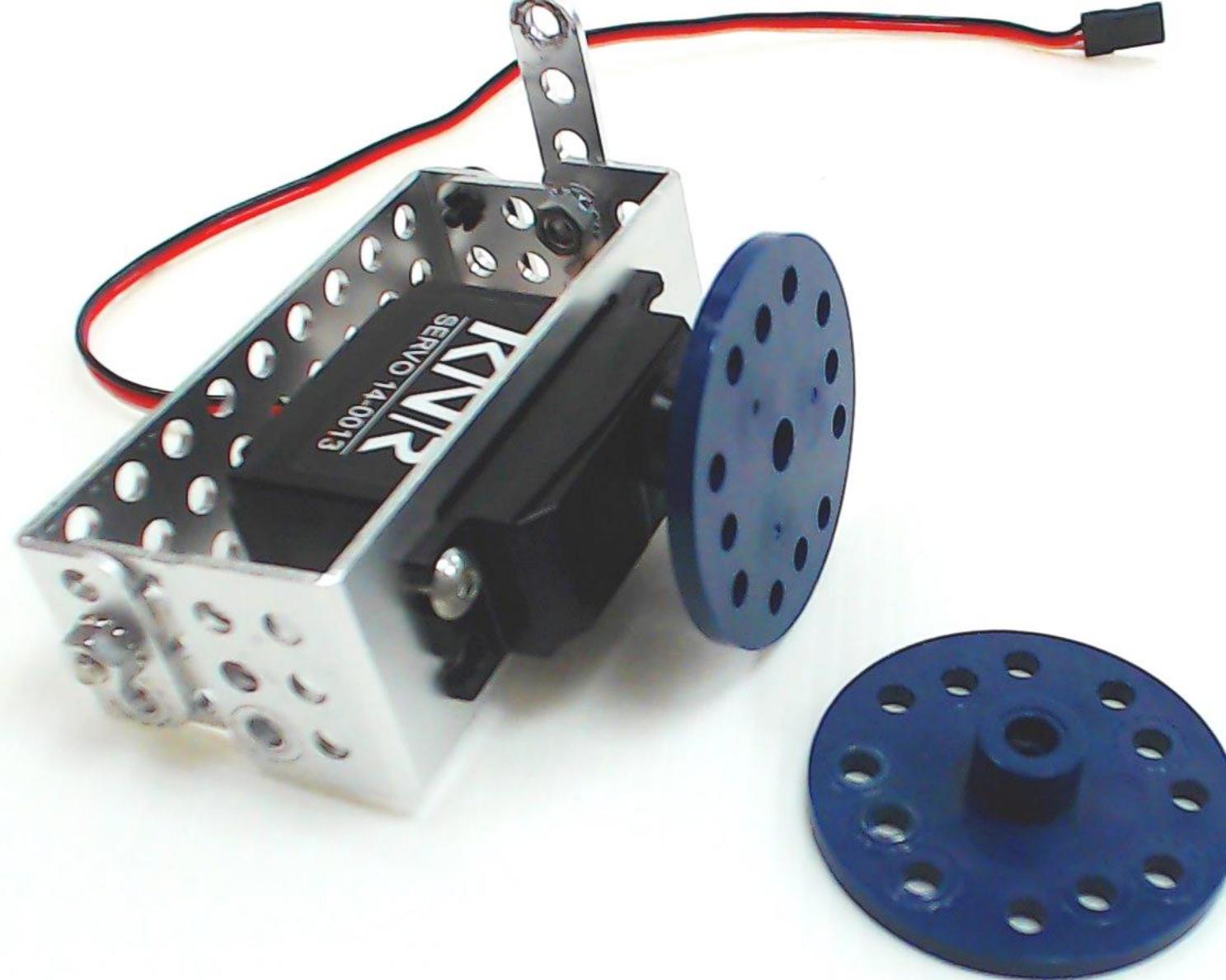


1x



1x

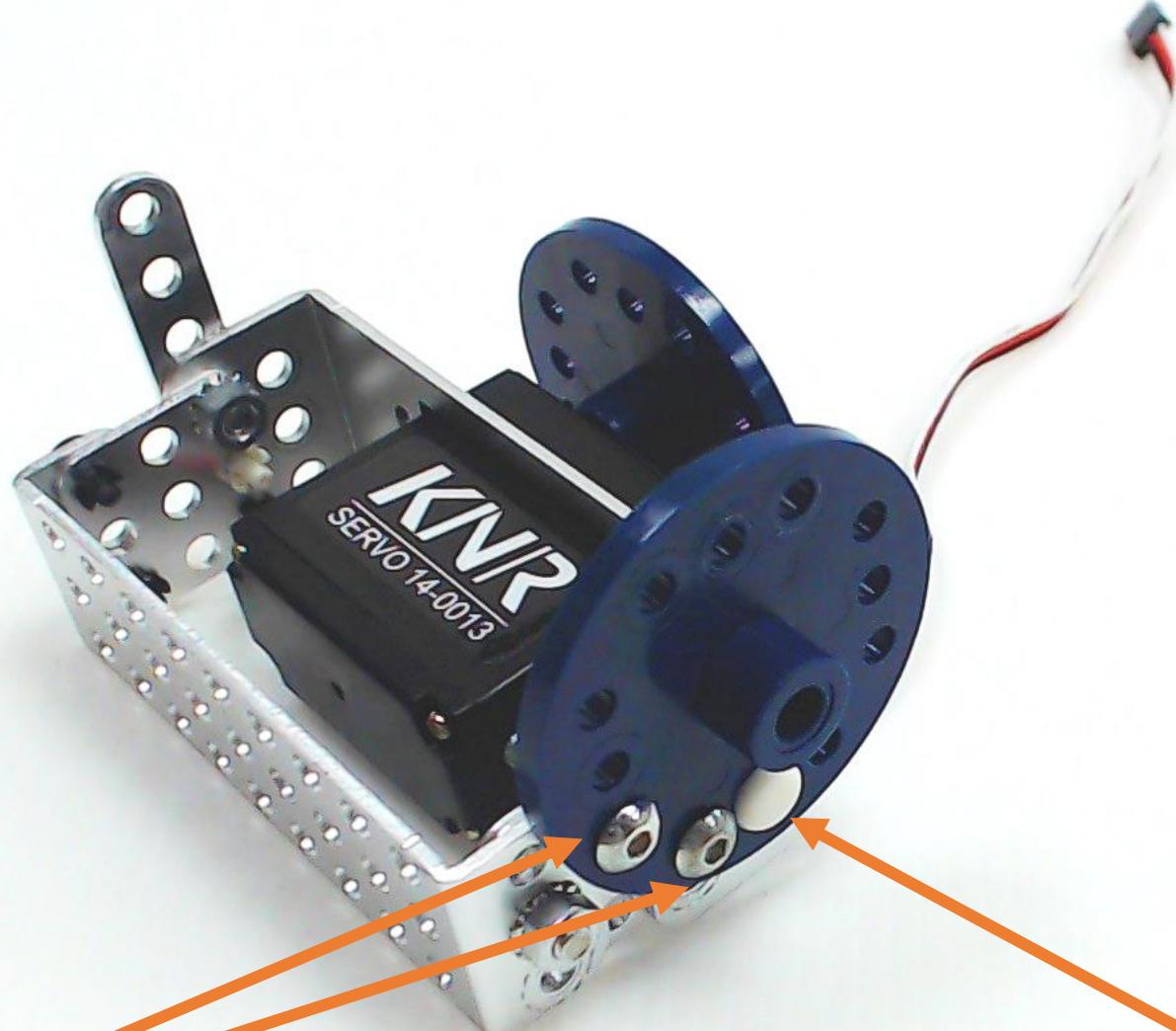




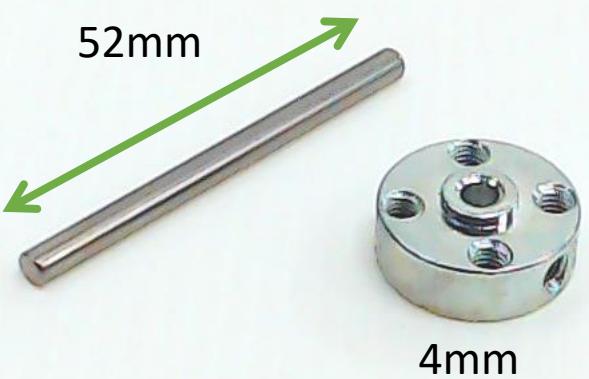
2x



1x

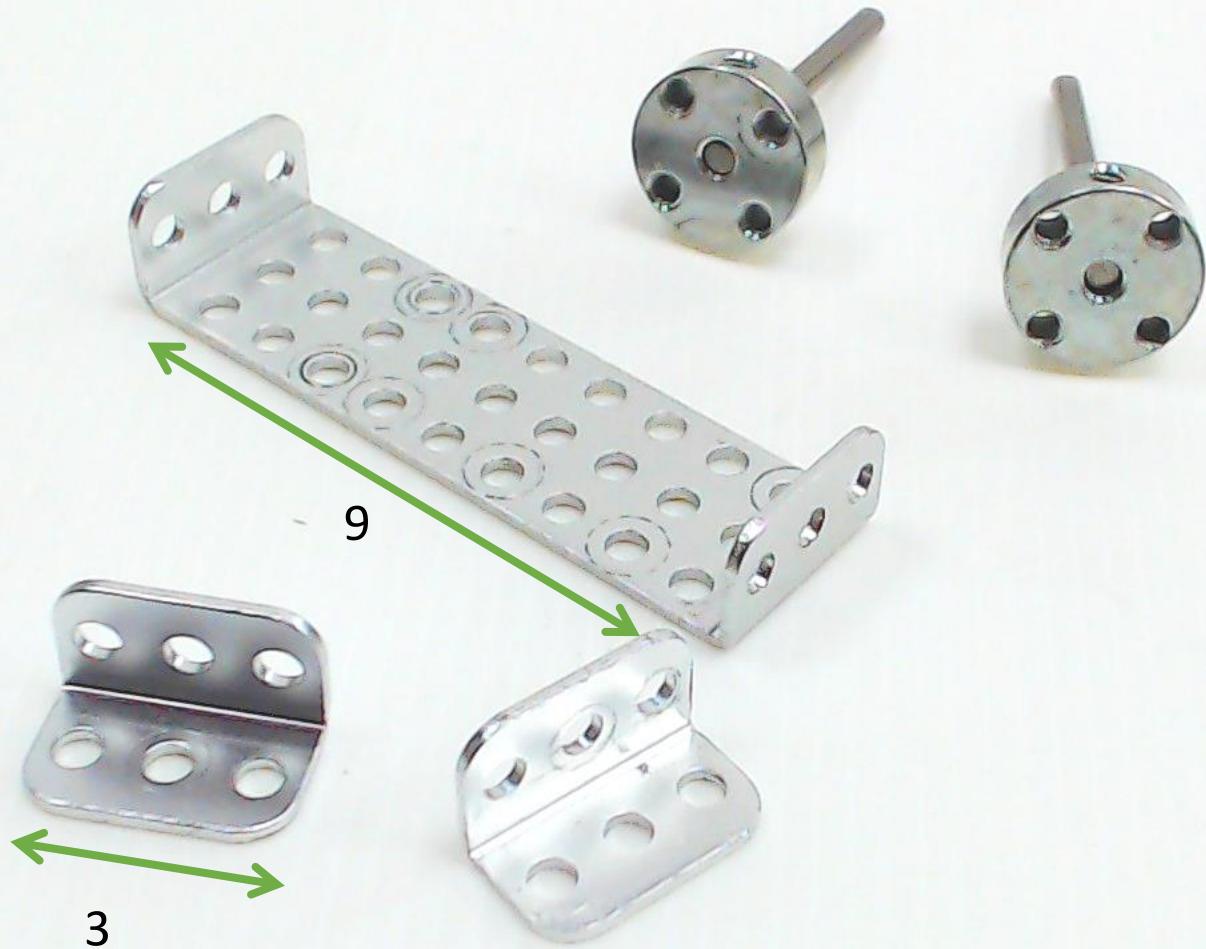


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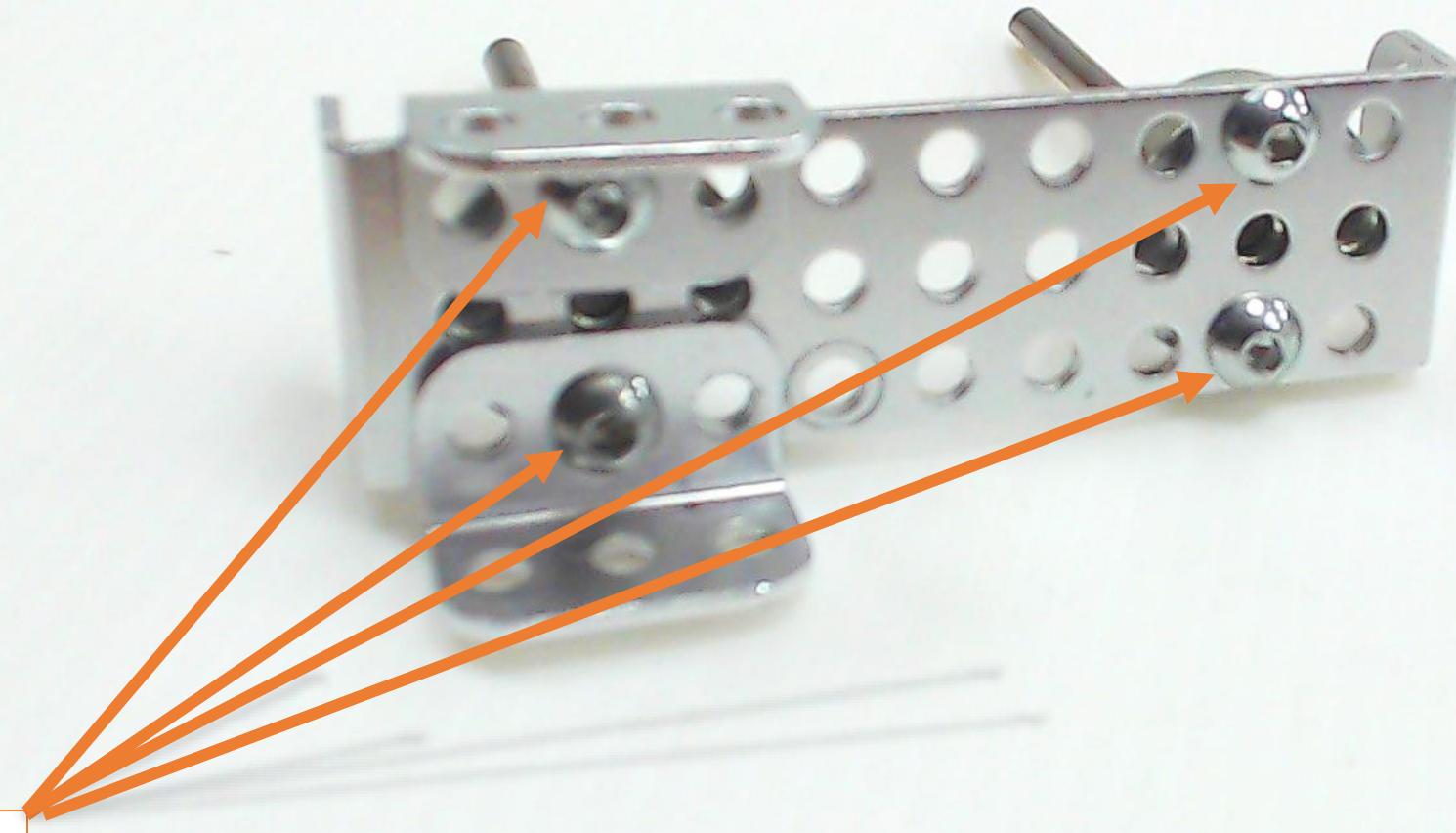


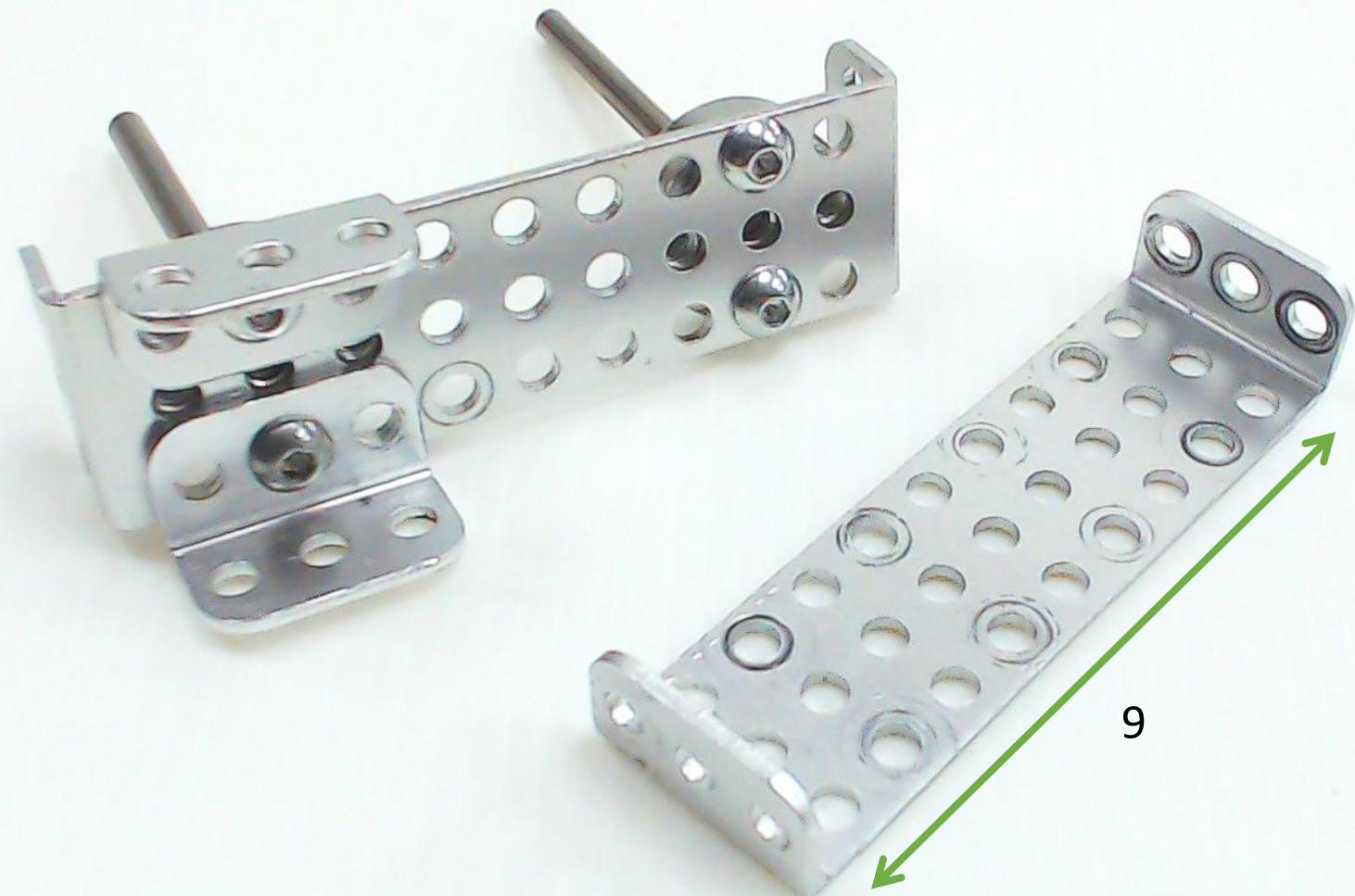
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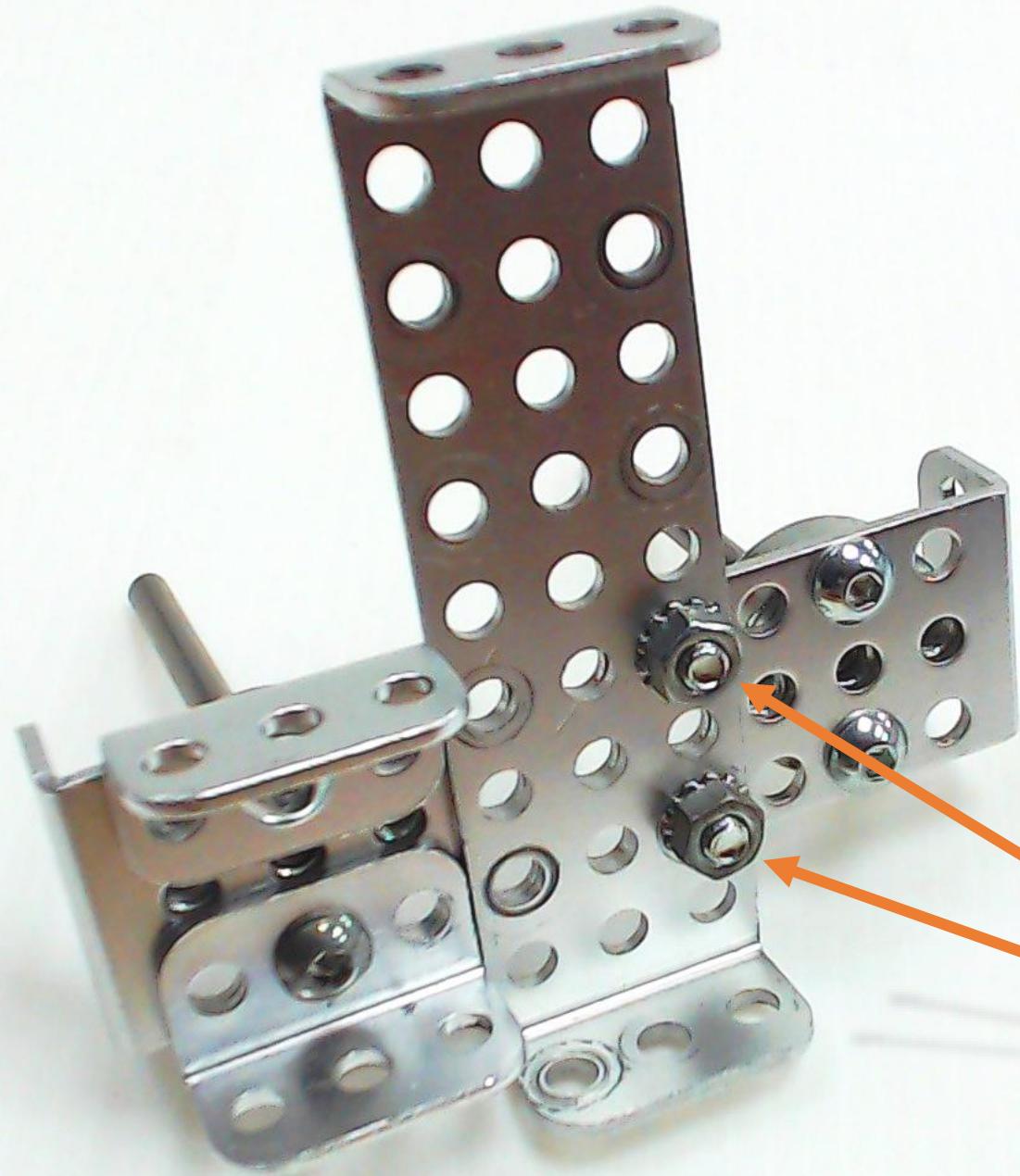


4x





9



2x





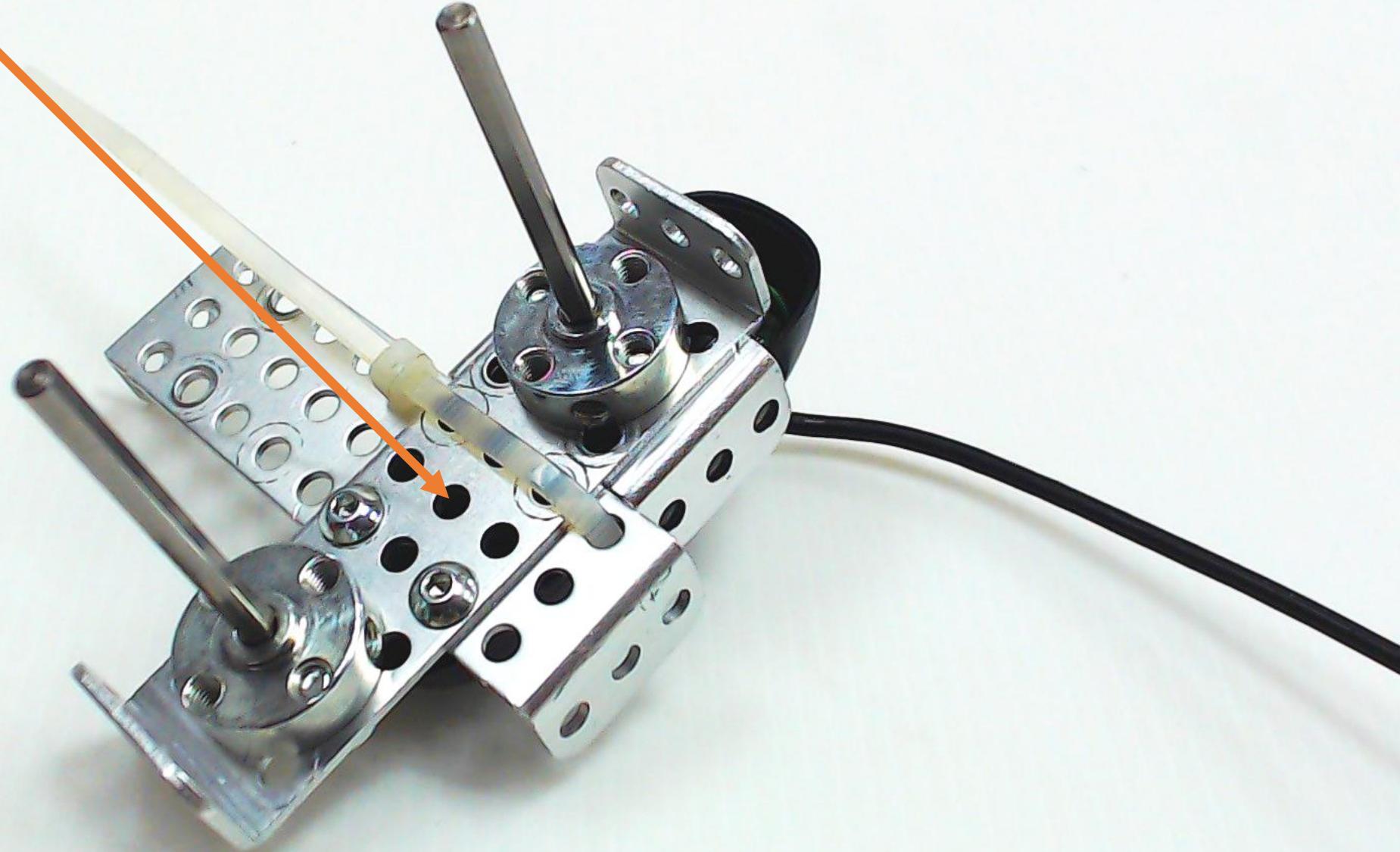
Logitech c310
Front cover and stand are removed

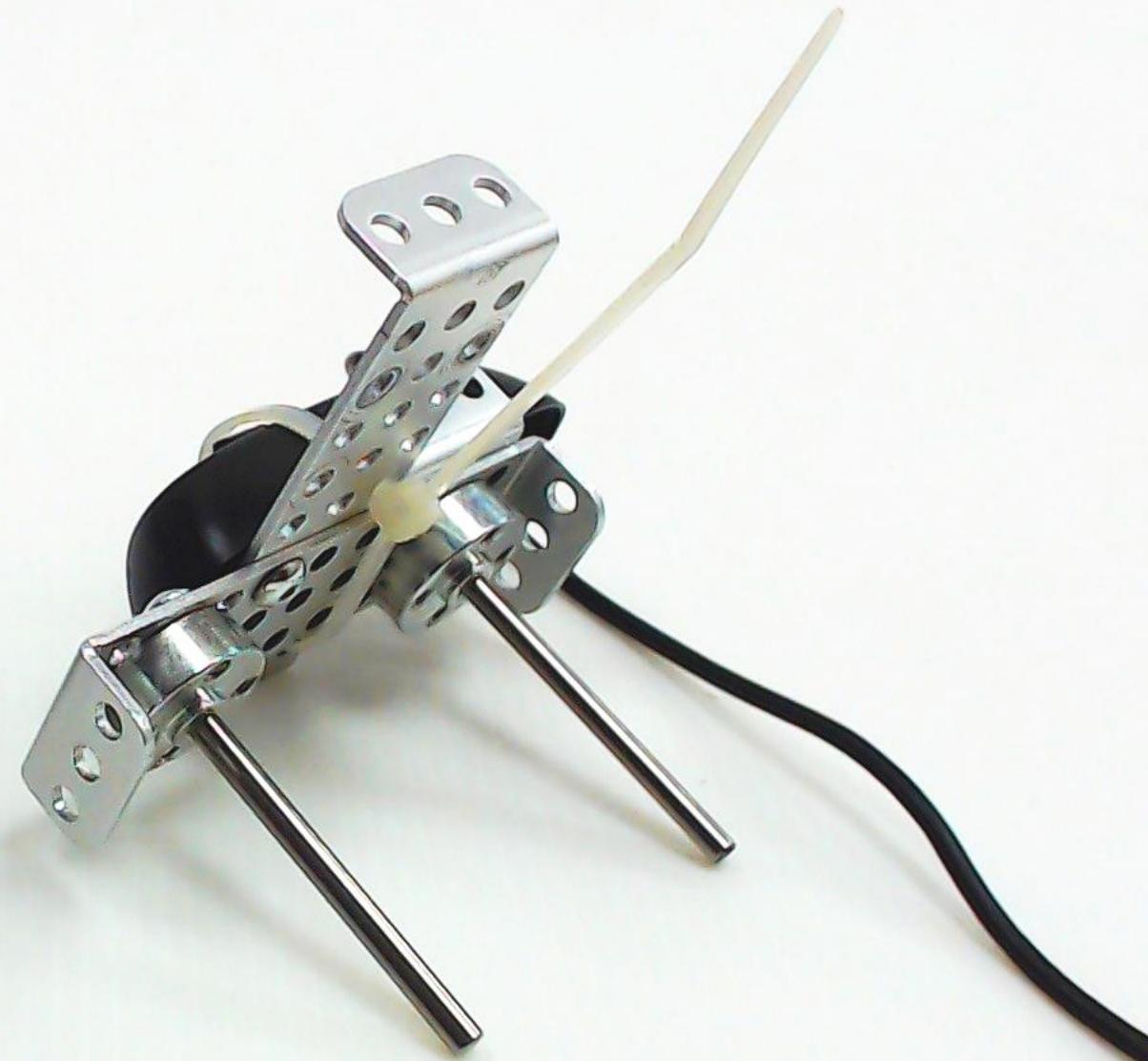
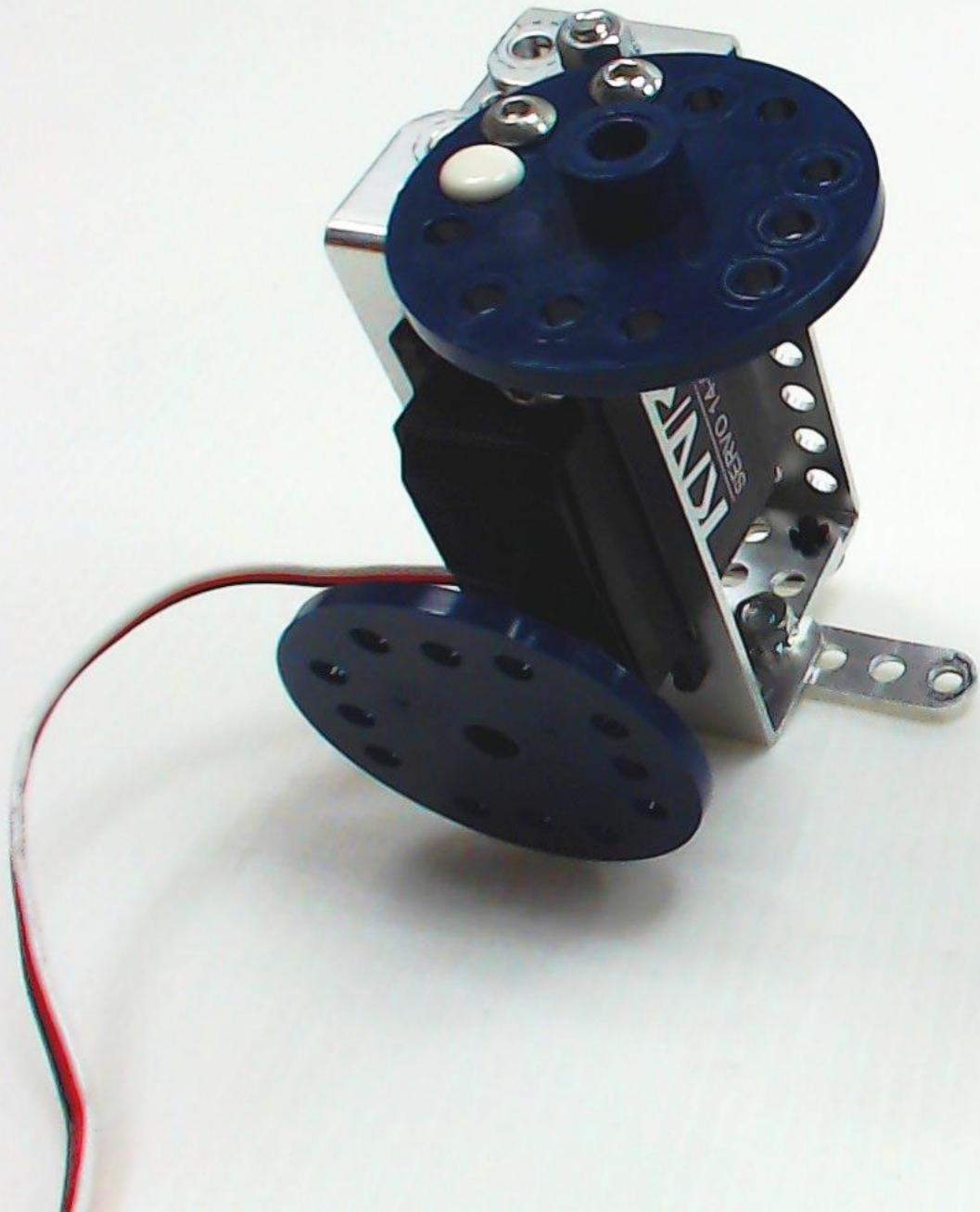


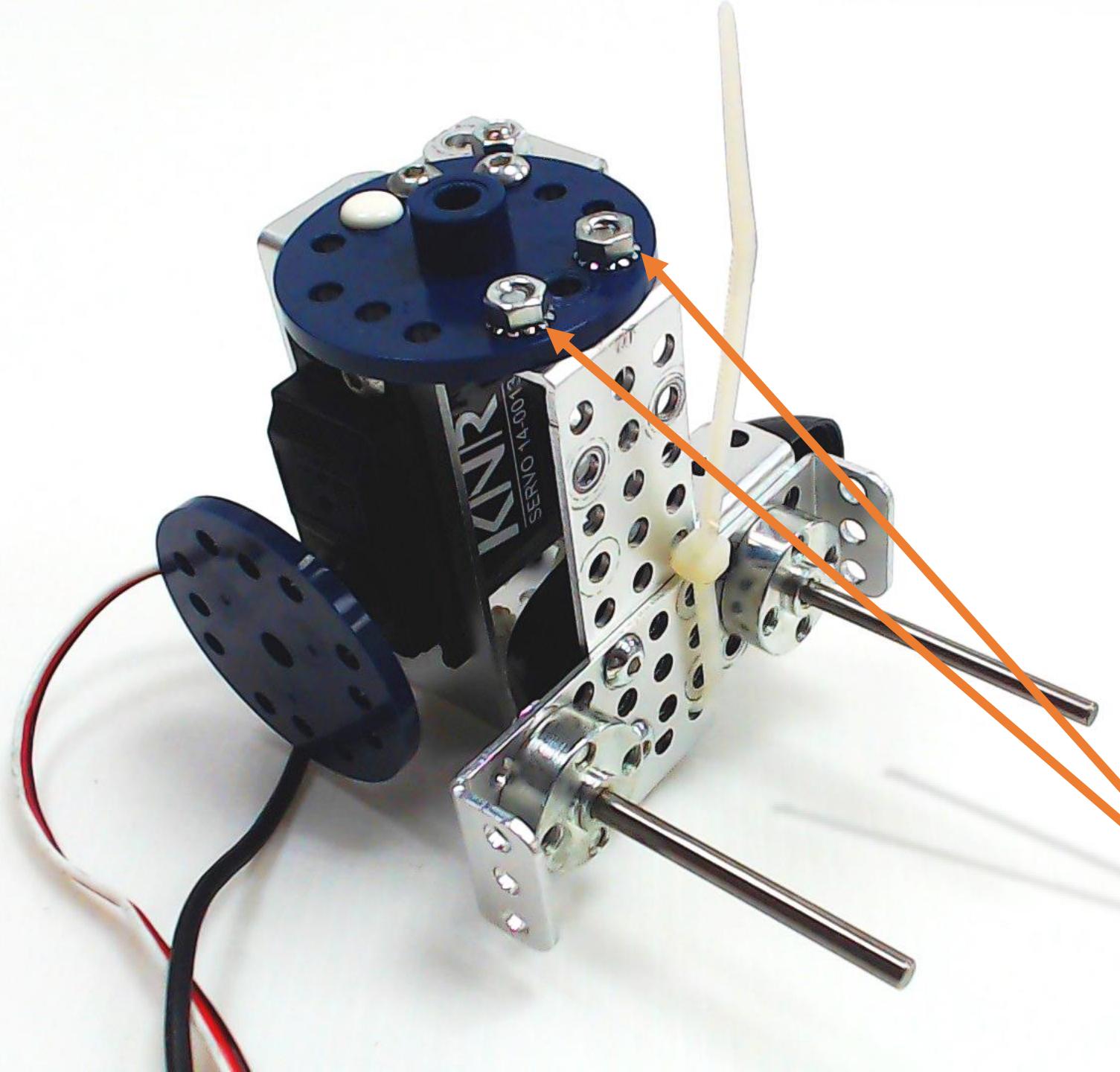
Tie-wrap



CAMERA



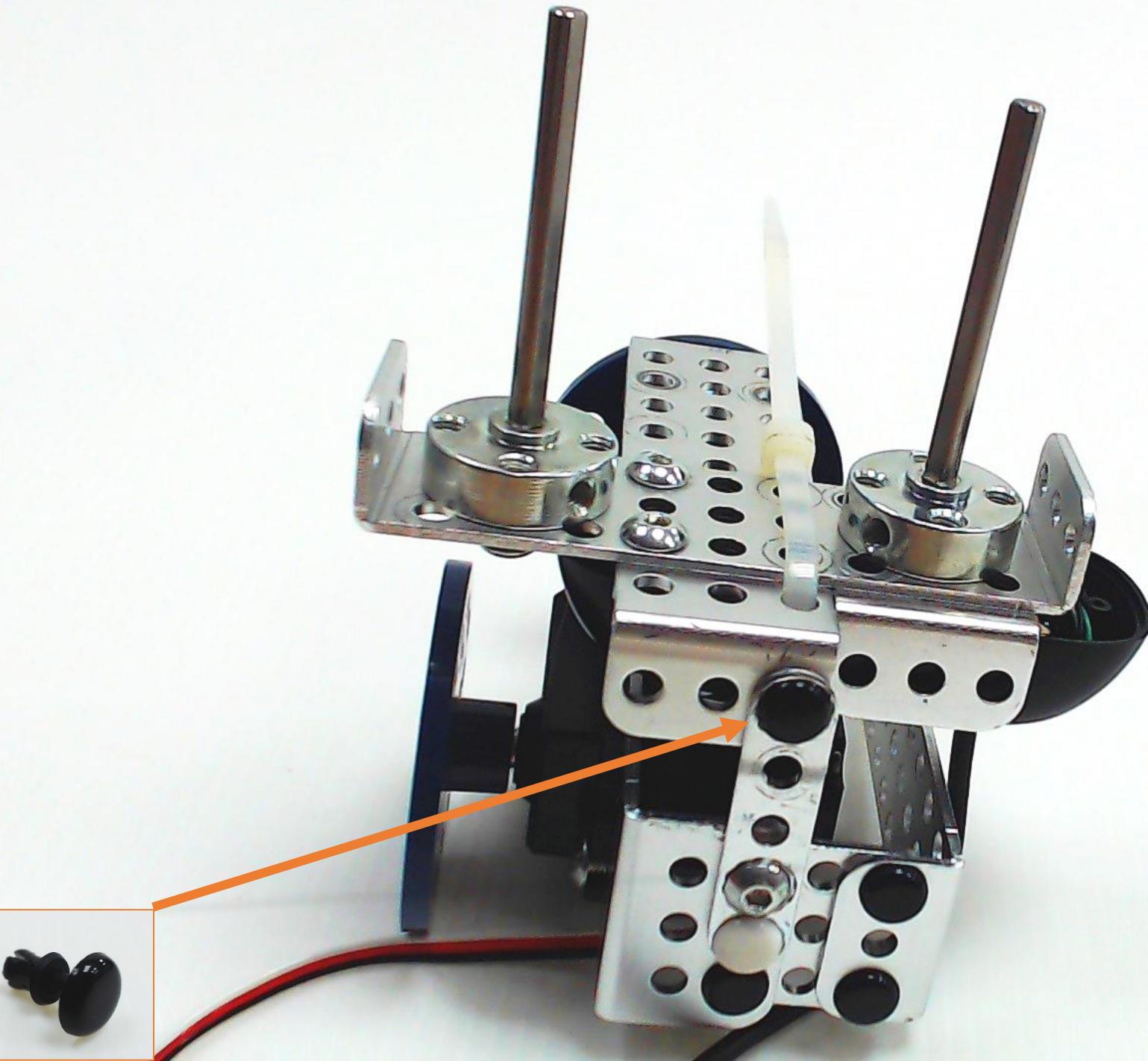


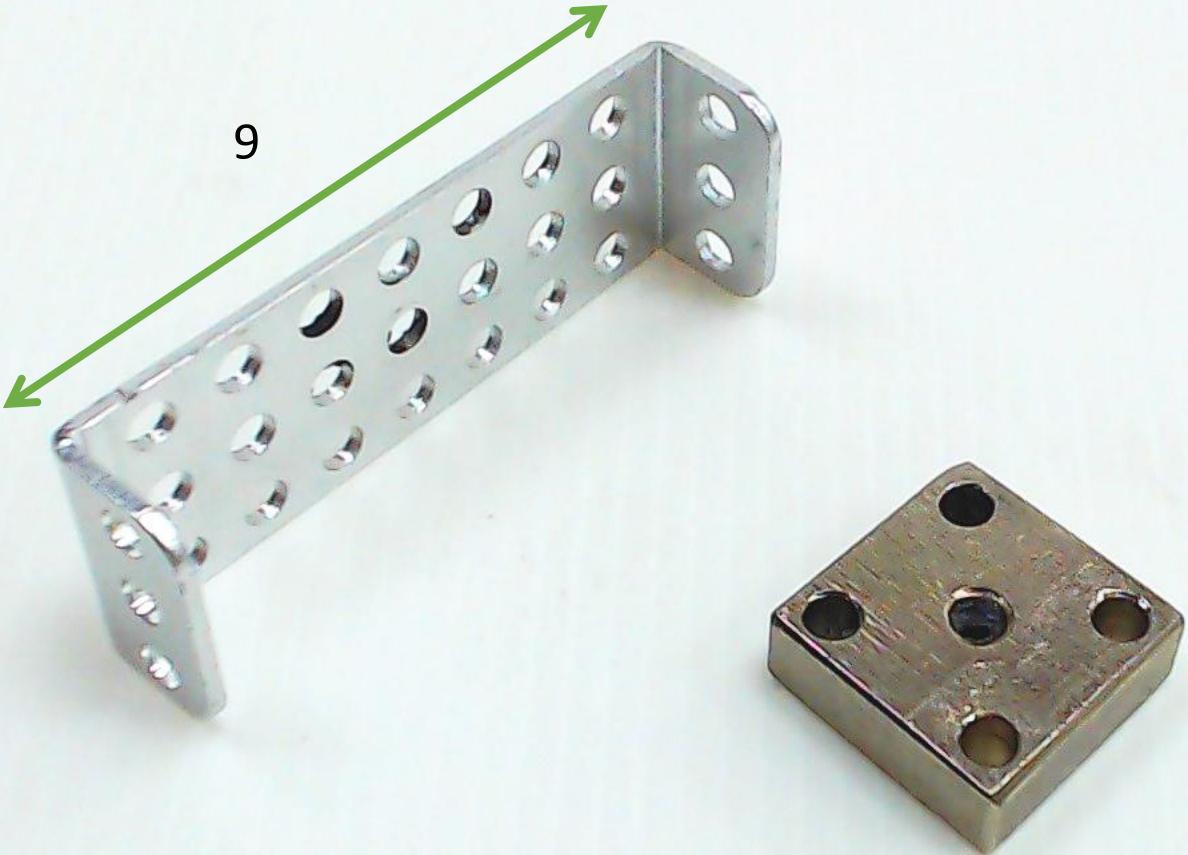


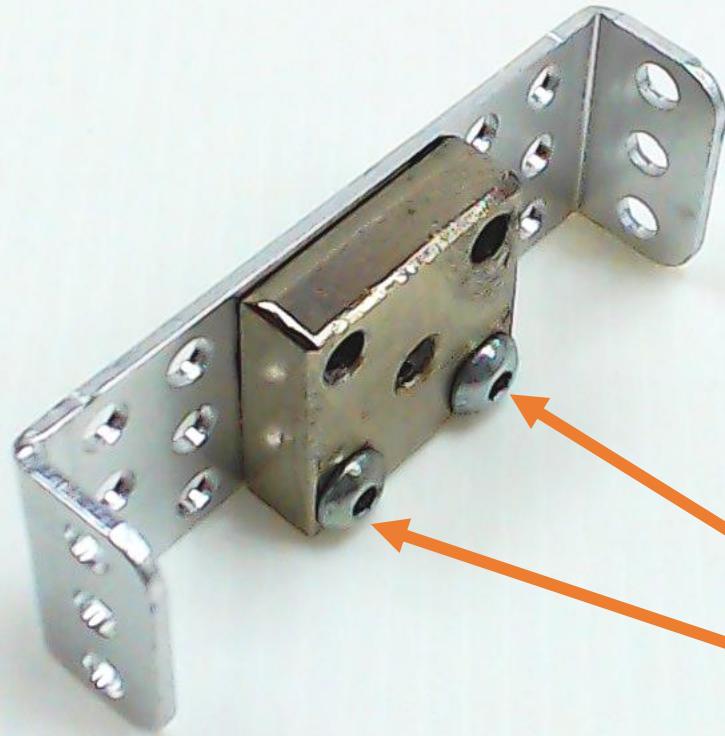
2x



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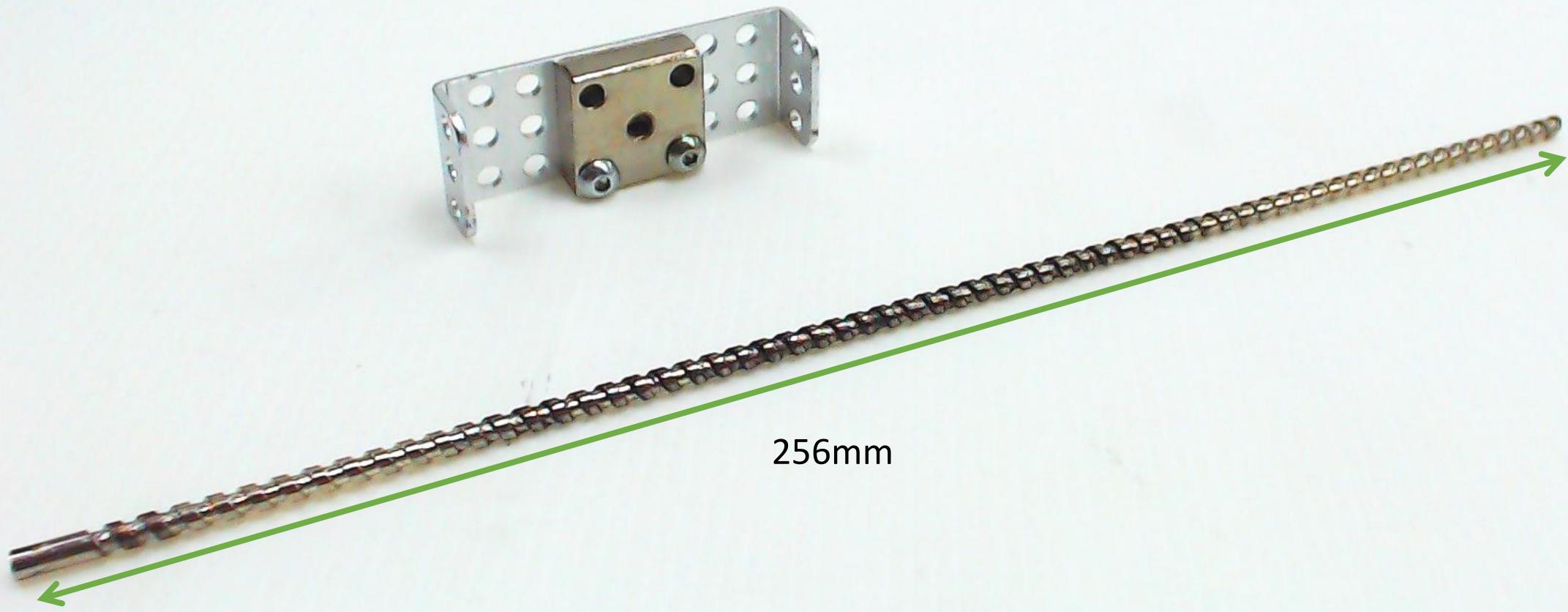




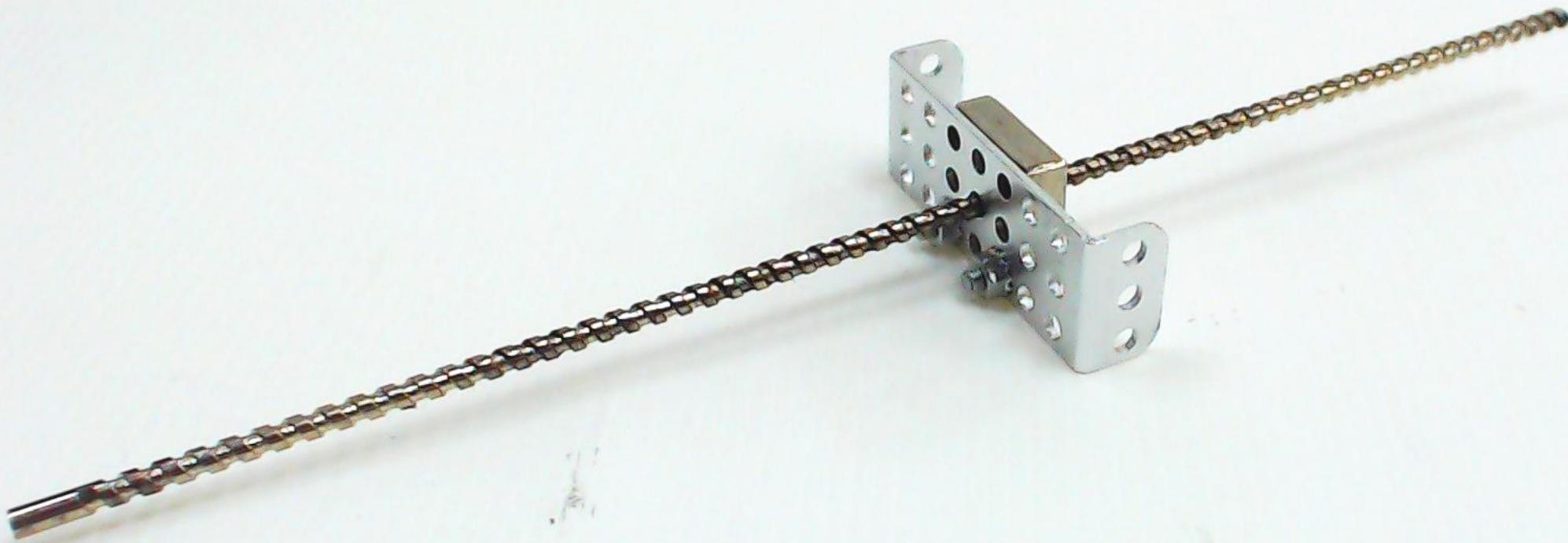


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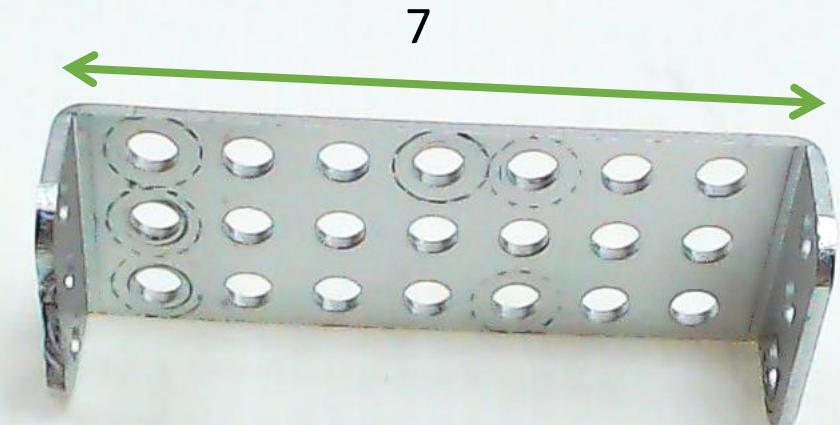




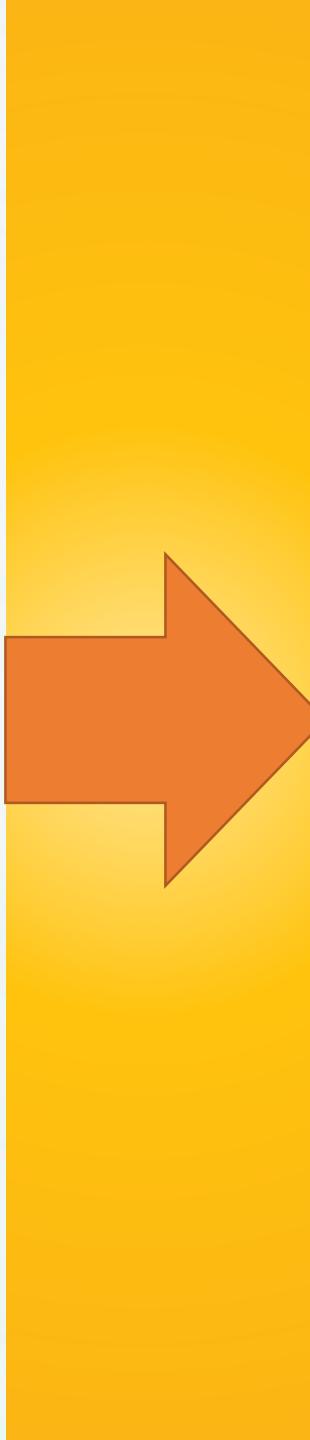
256mm



2x



24mm

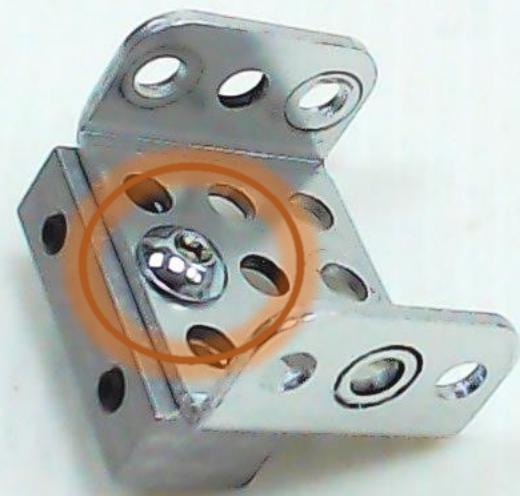


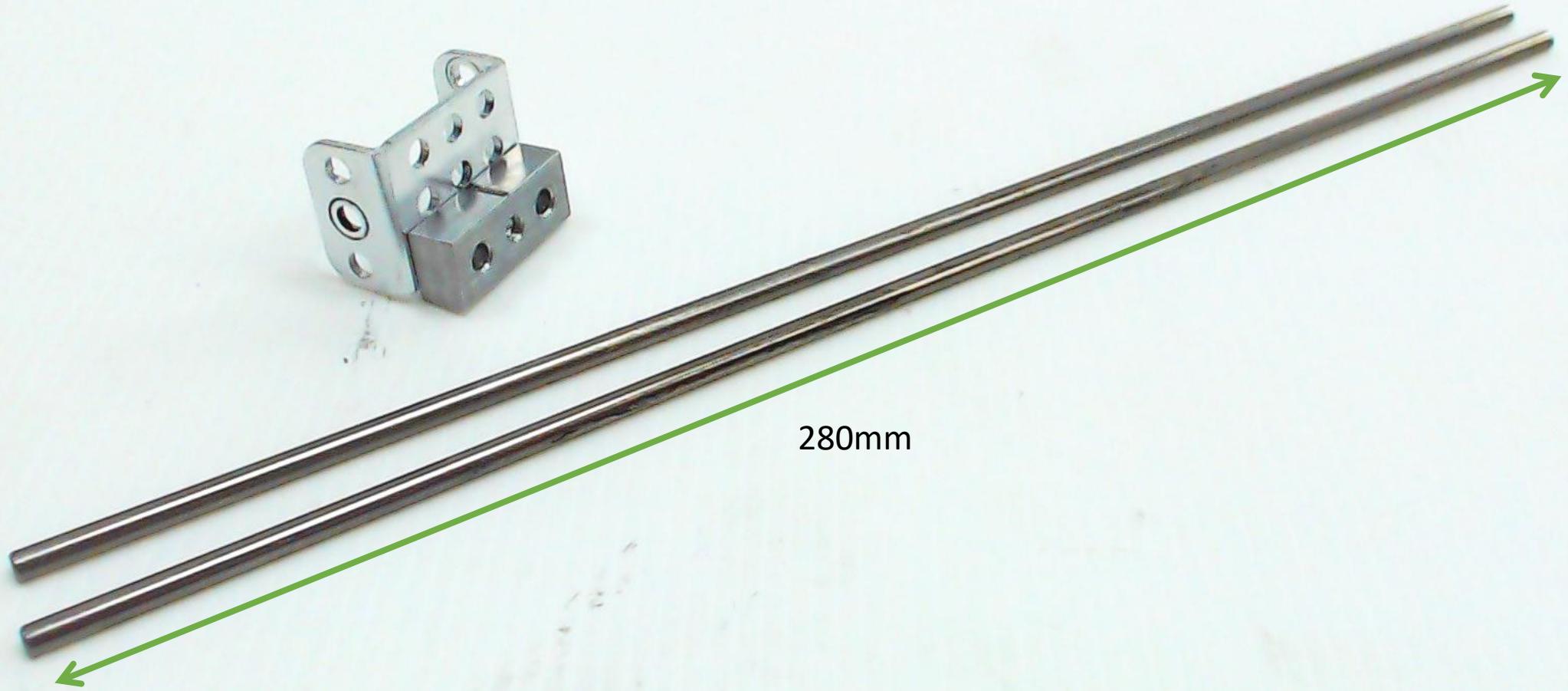
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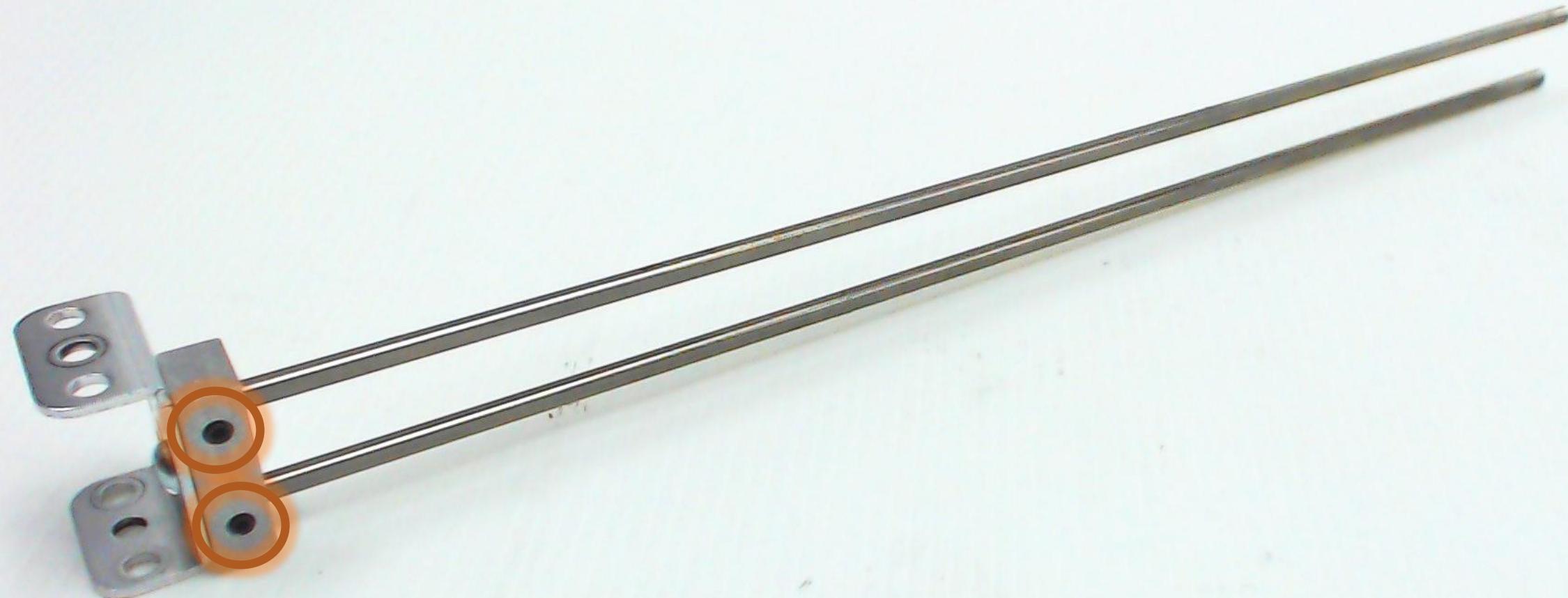


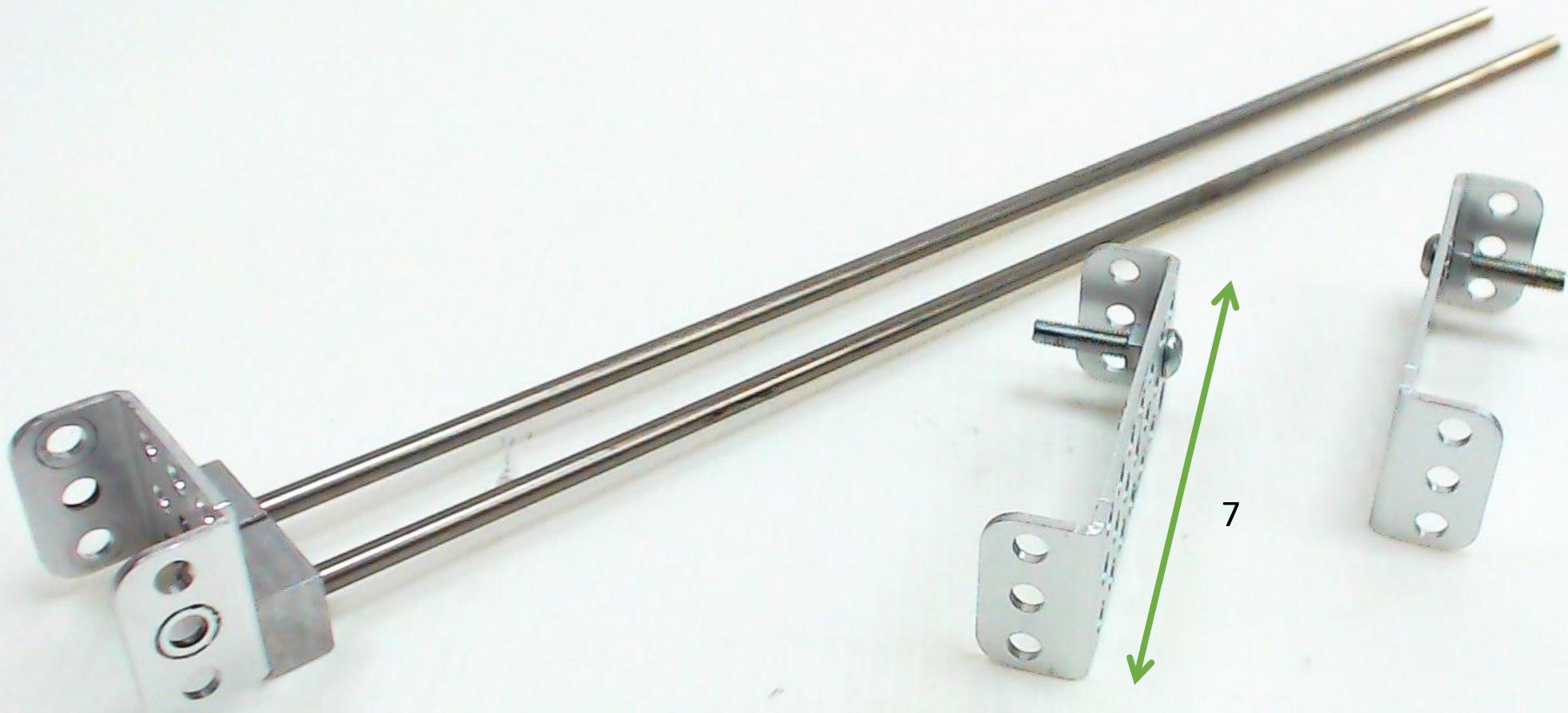
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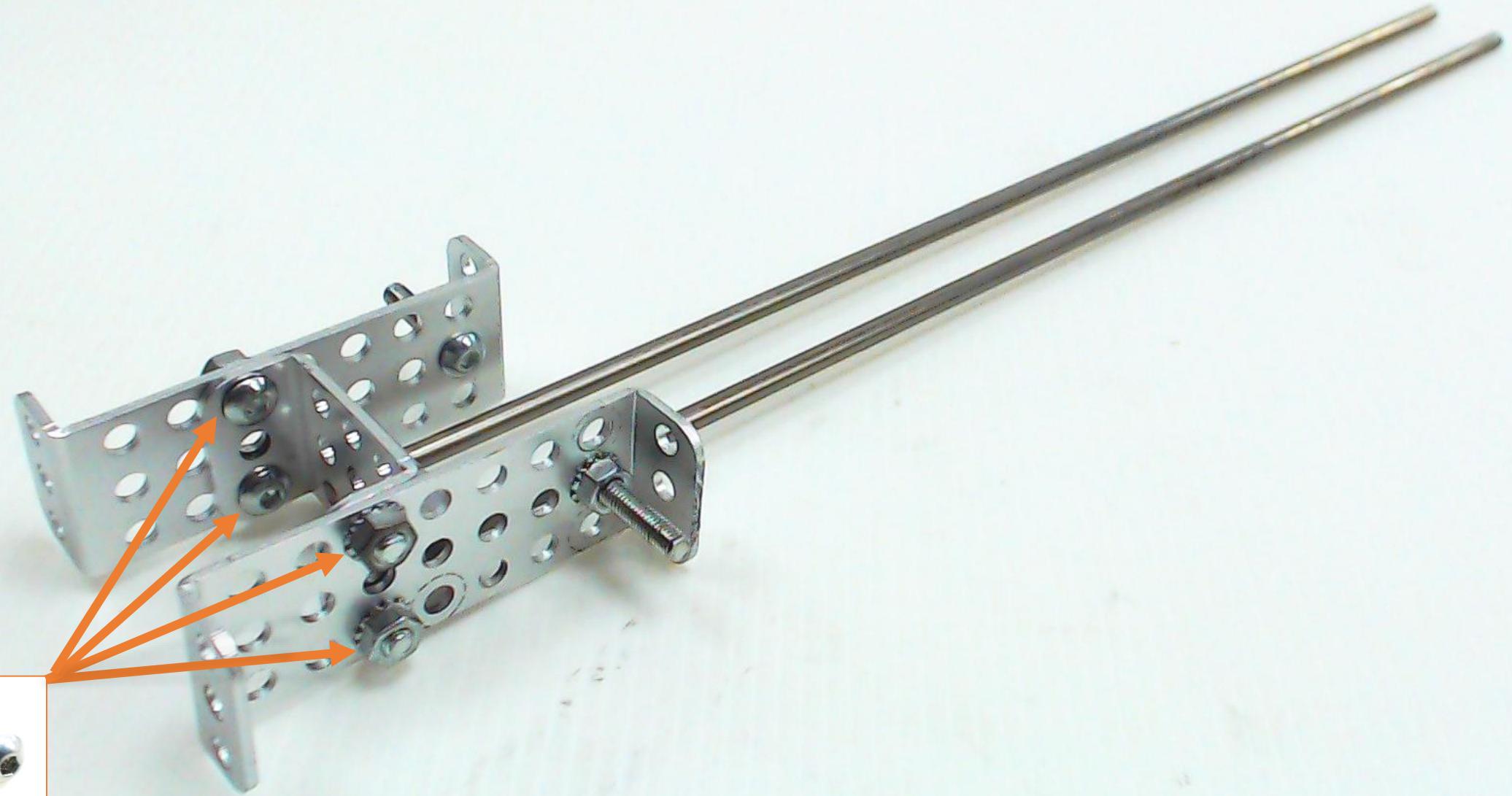
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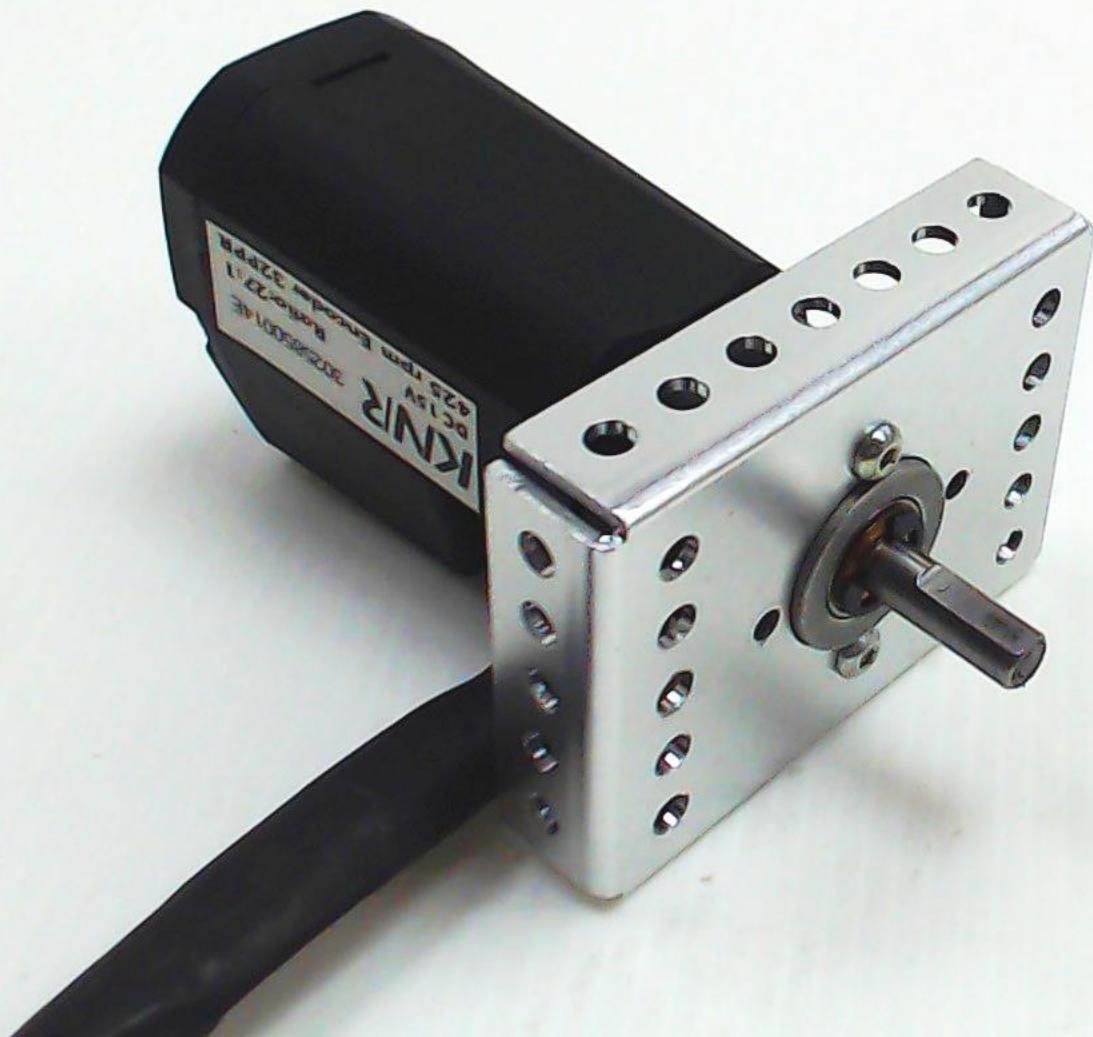




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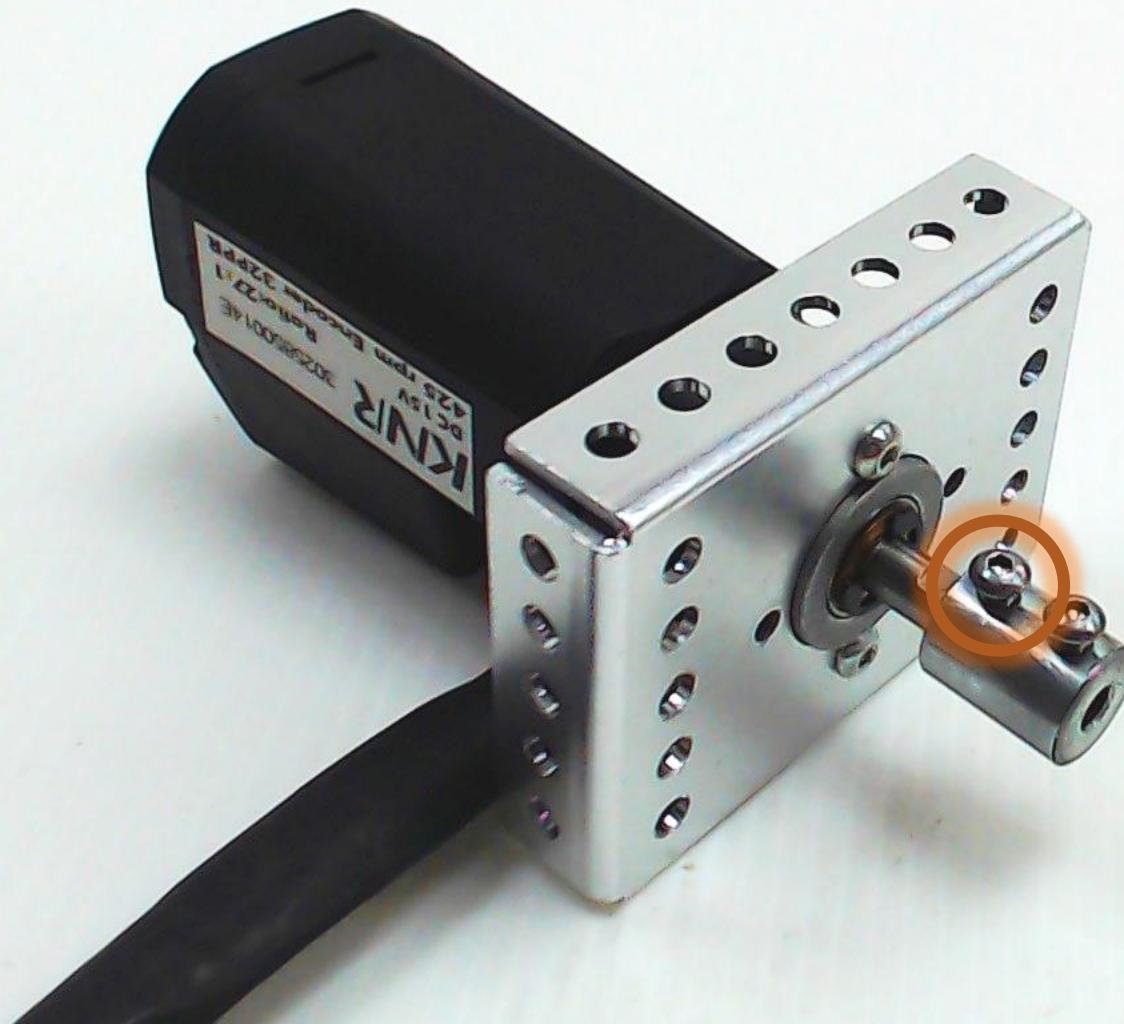
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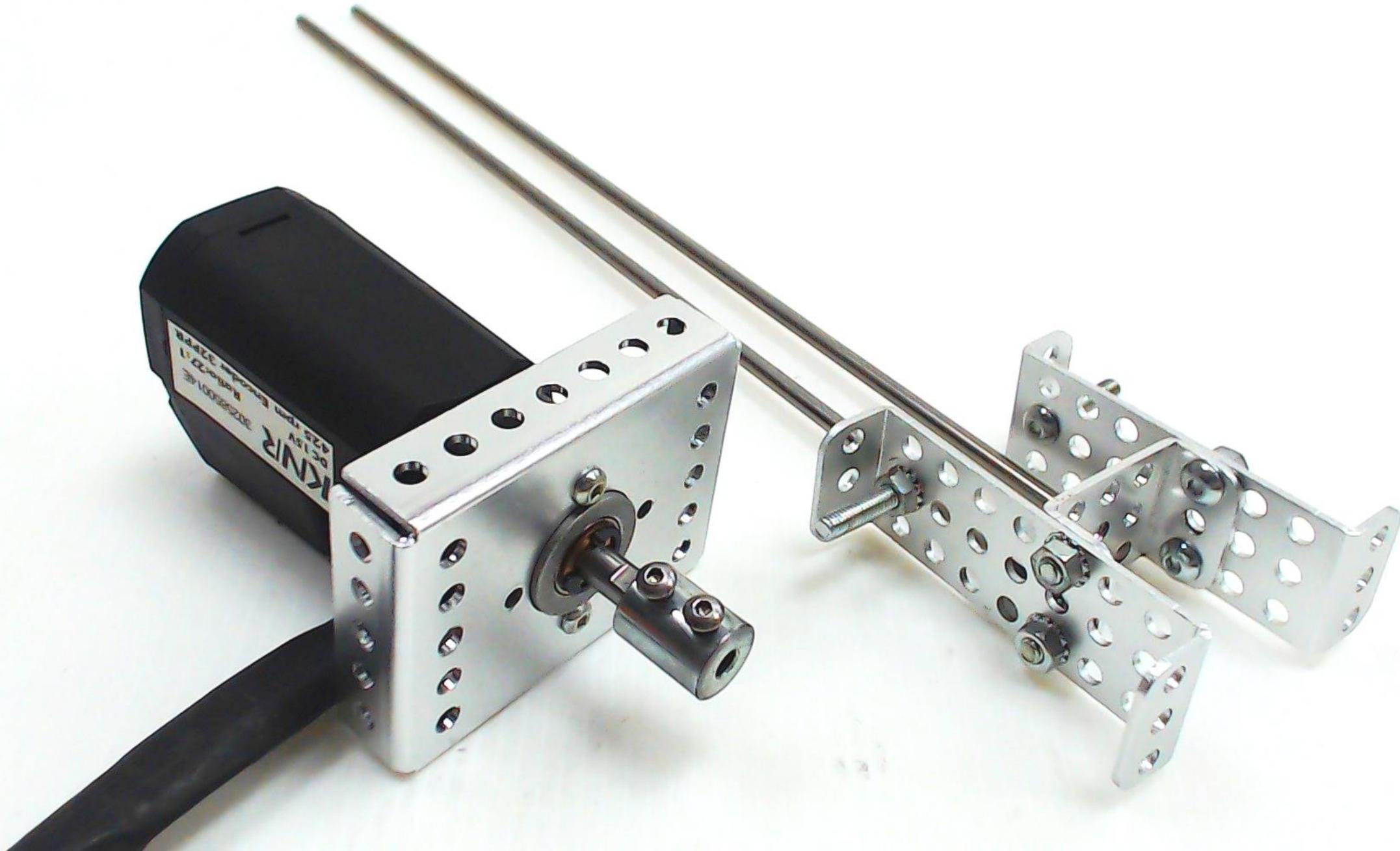




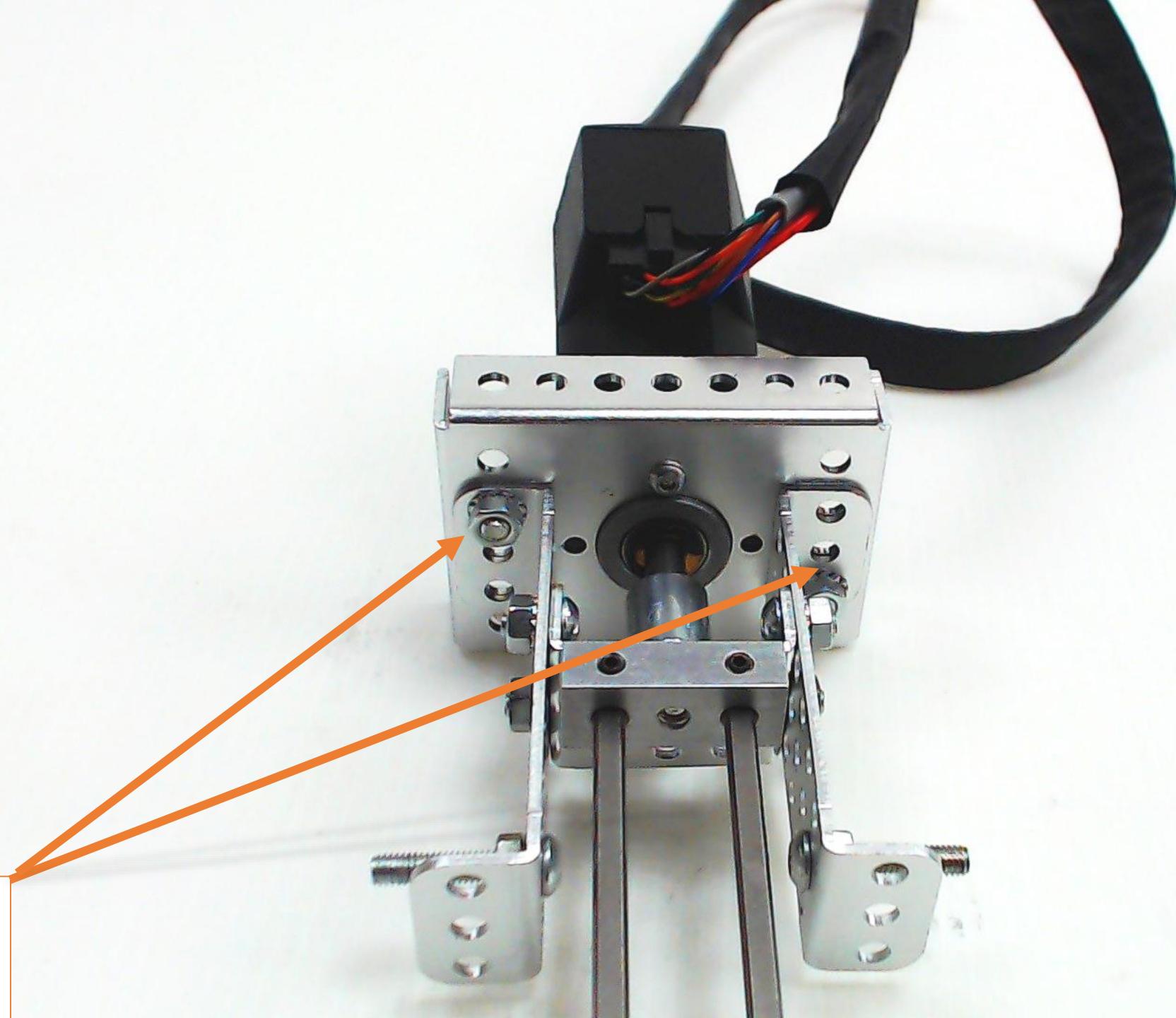
4mm to 6mm

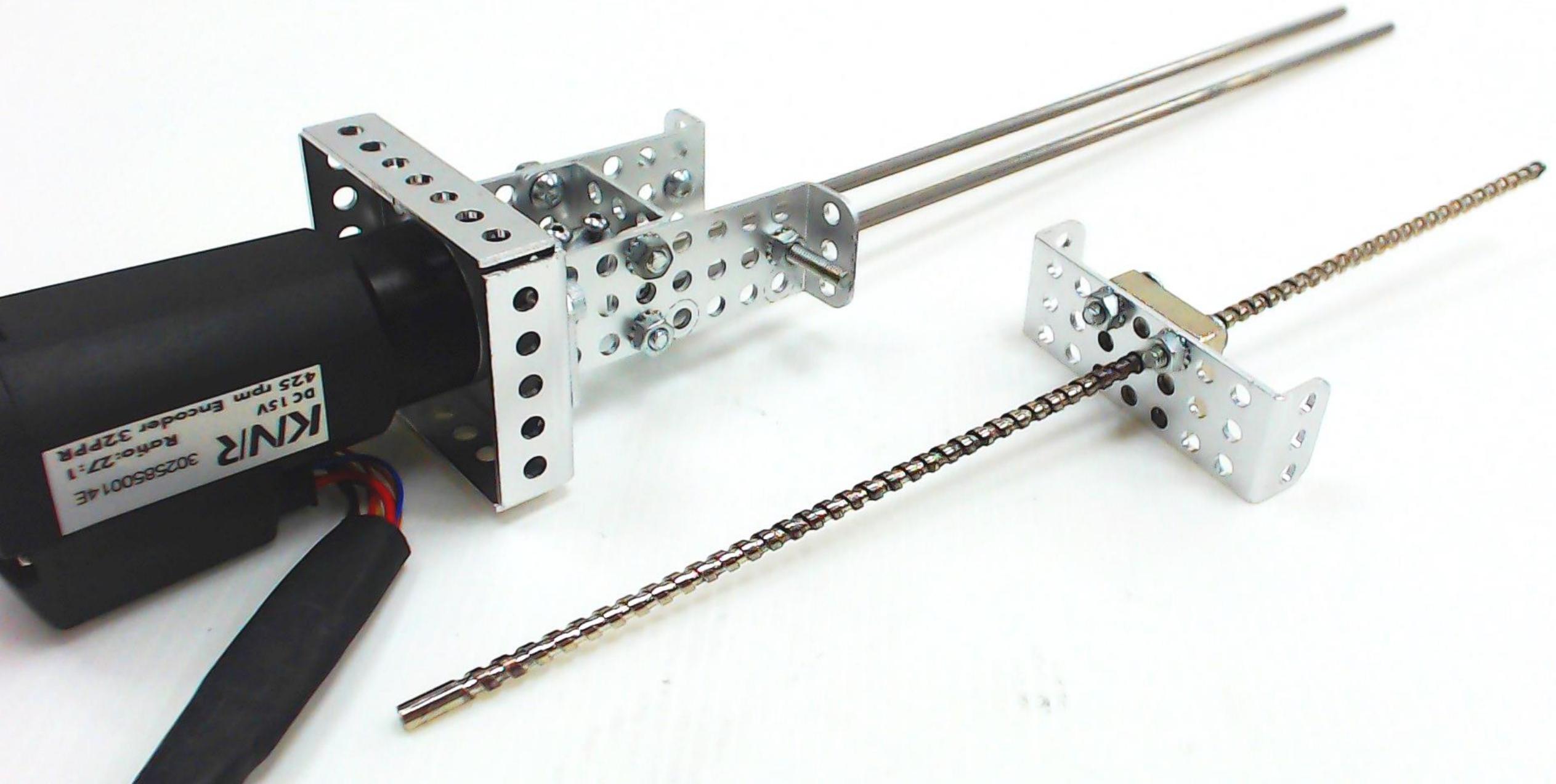


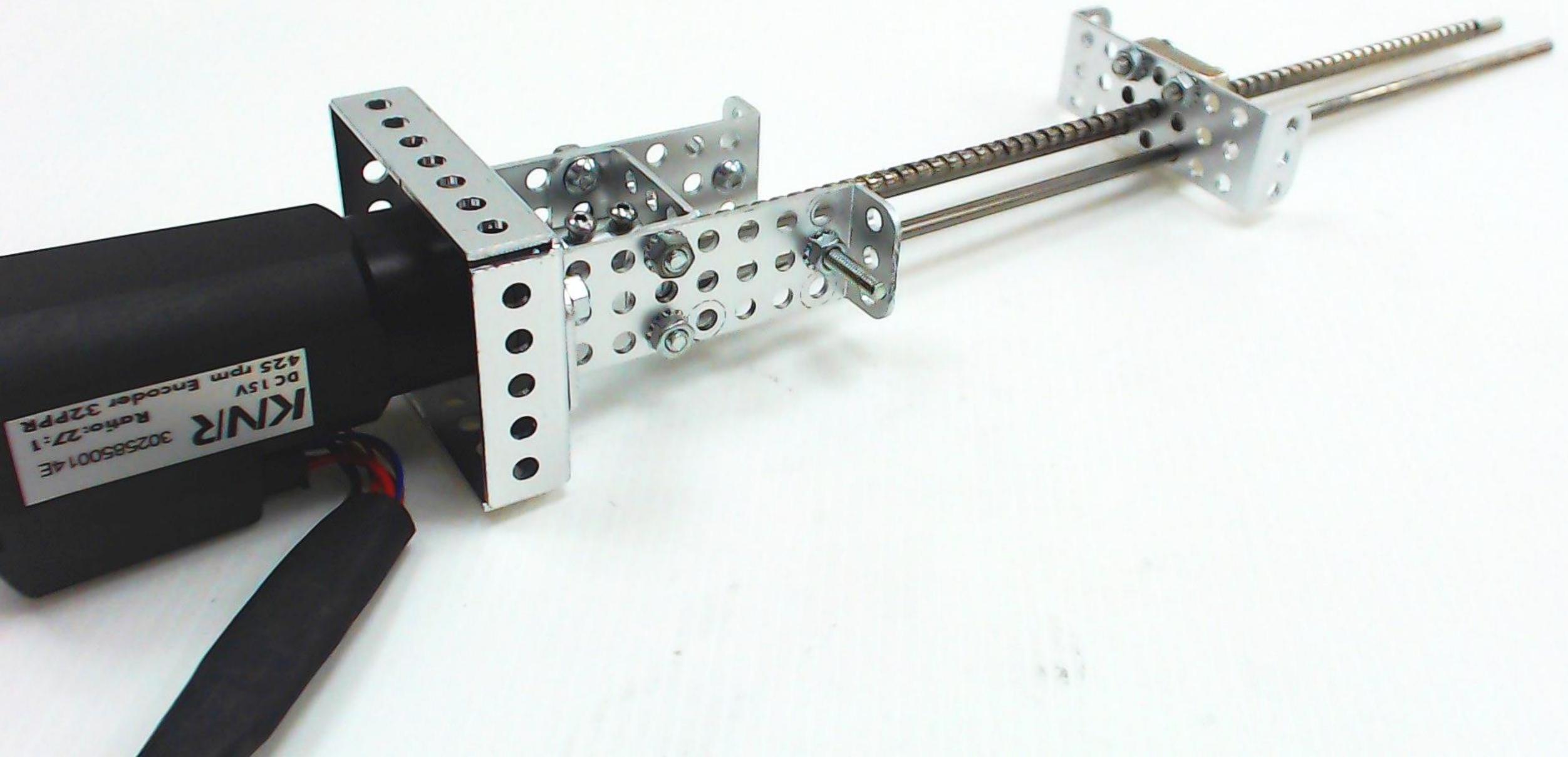


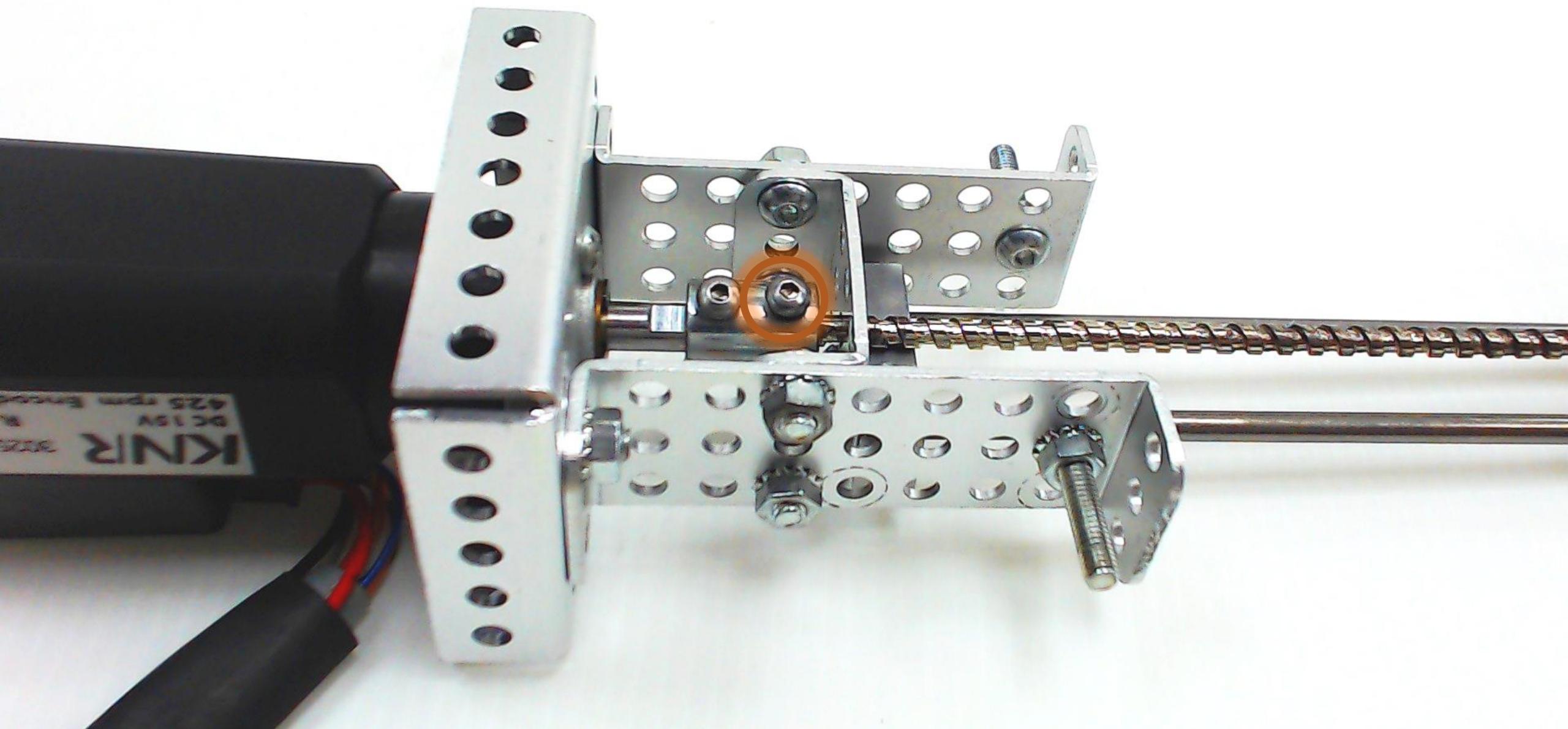


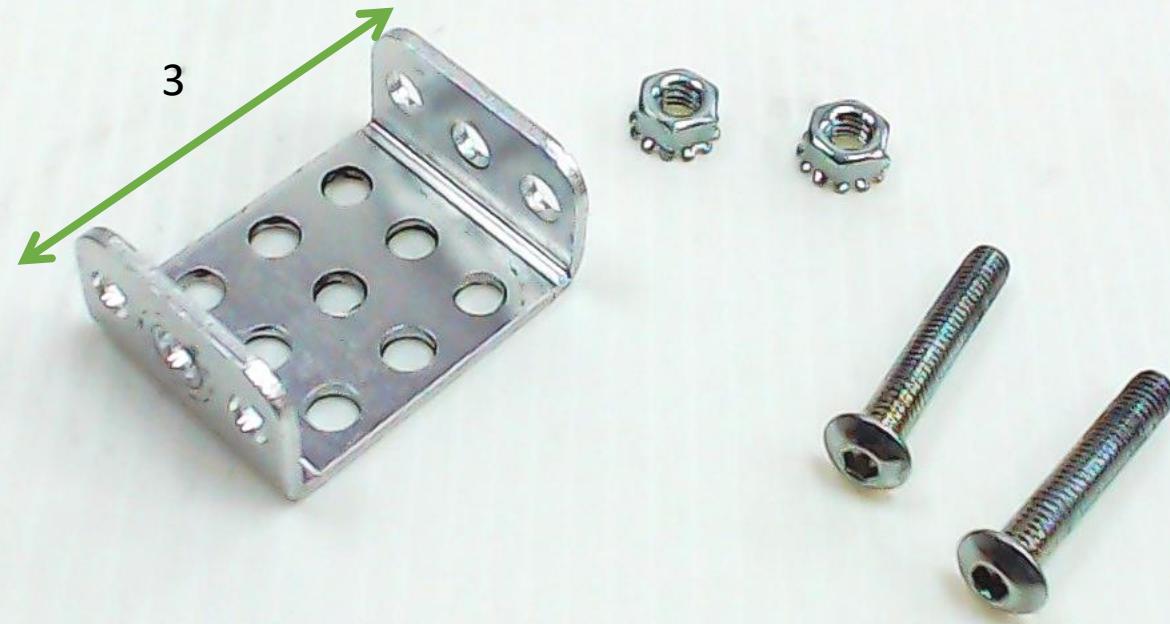
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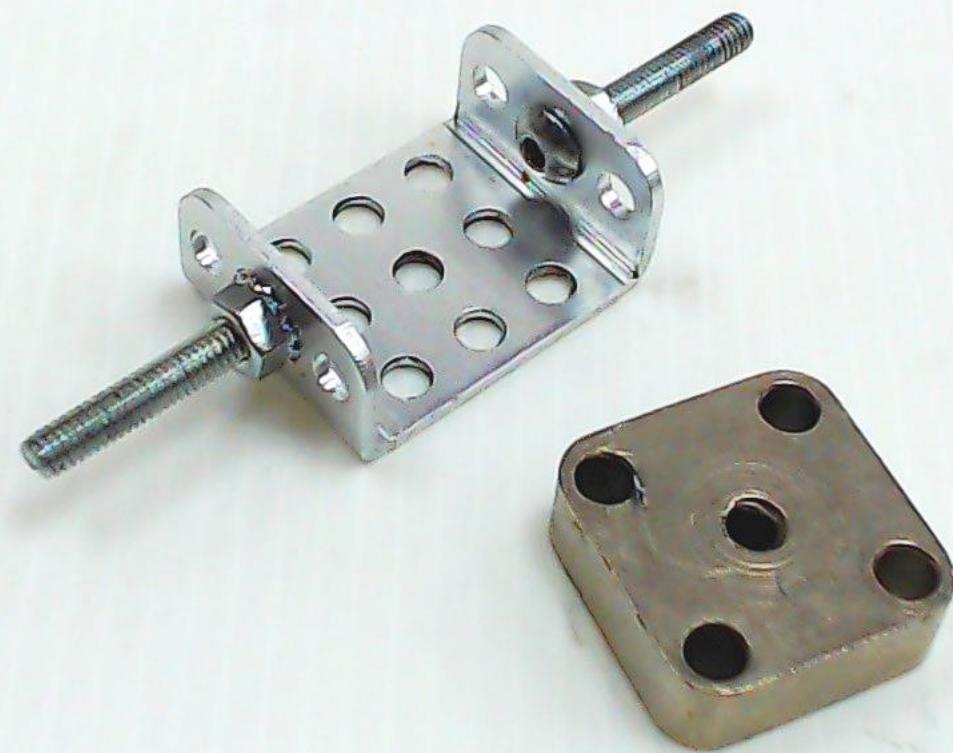


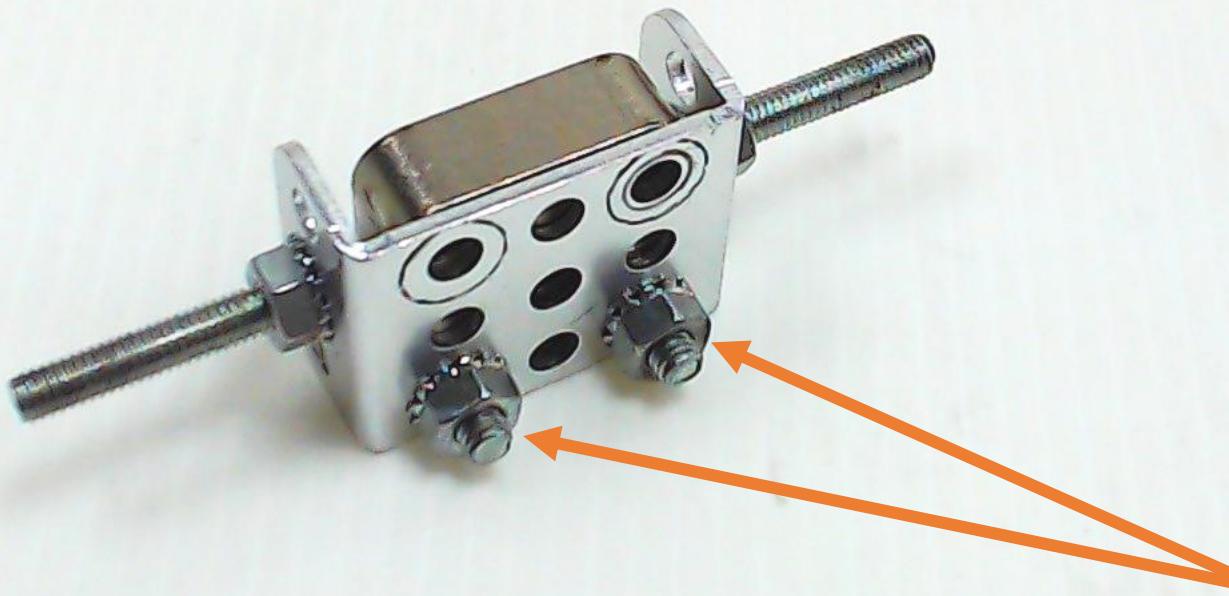




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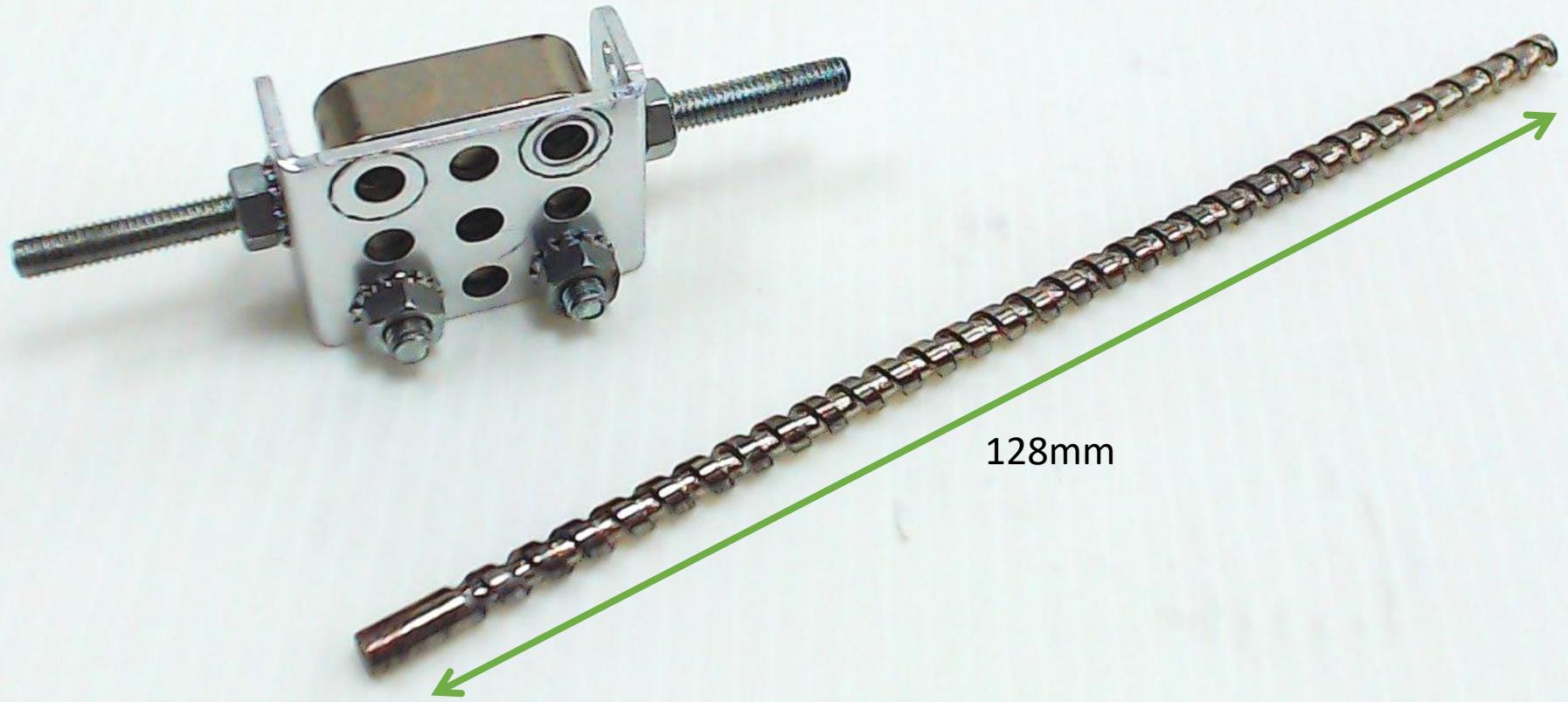




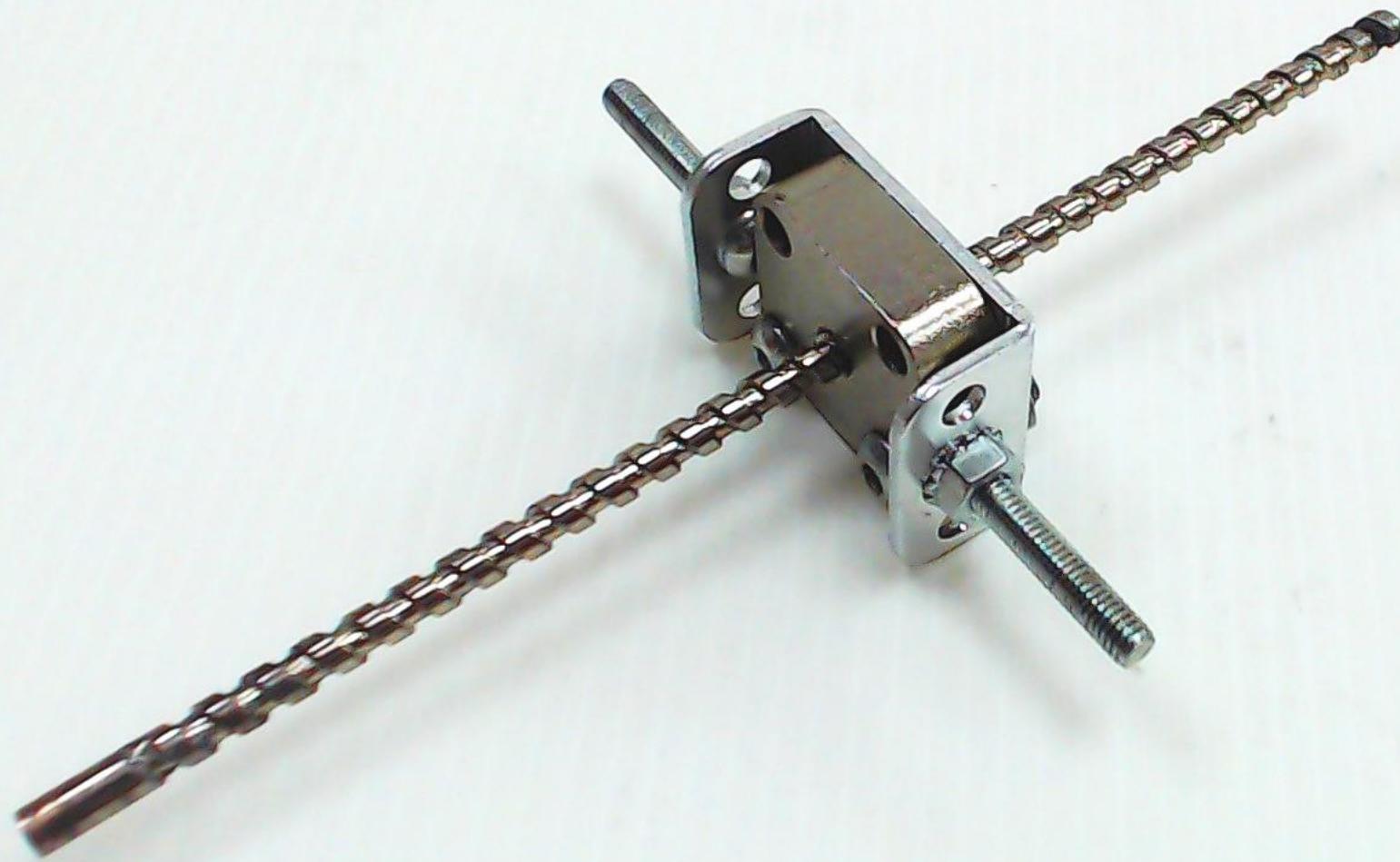


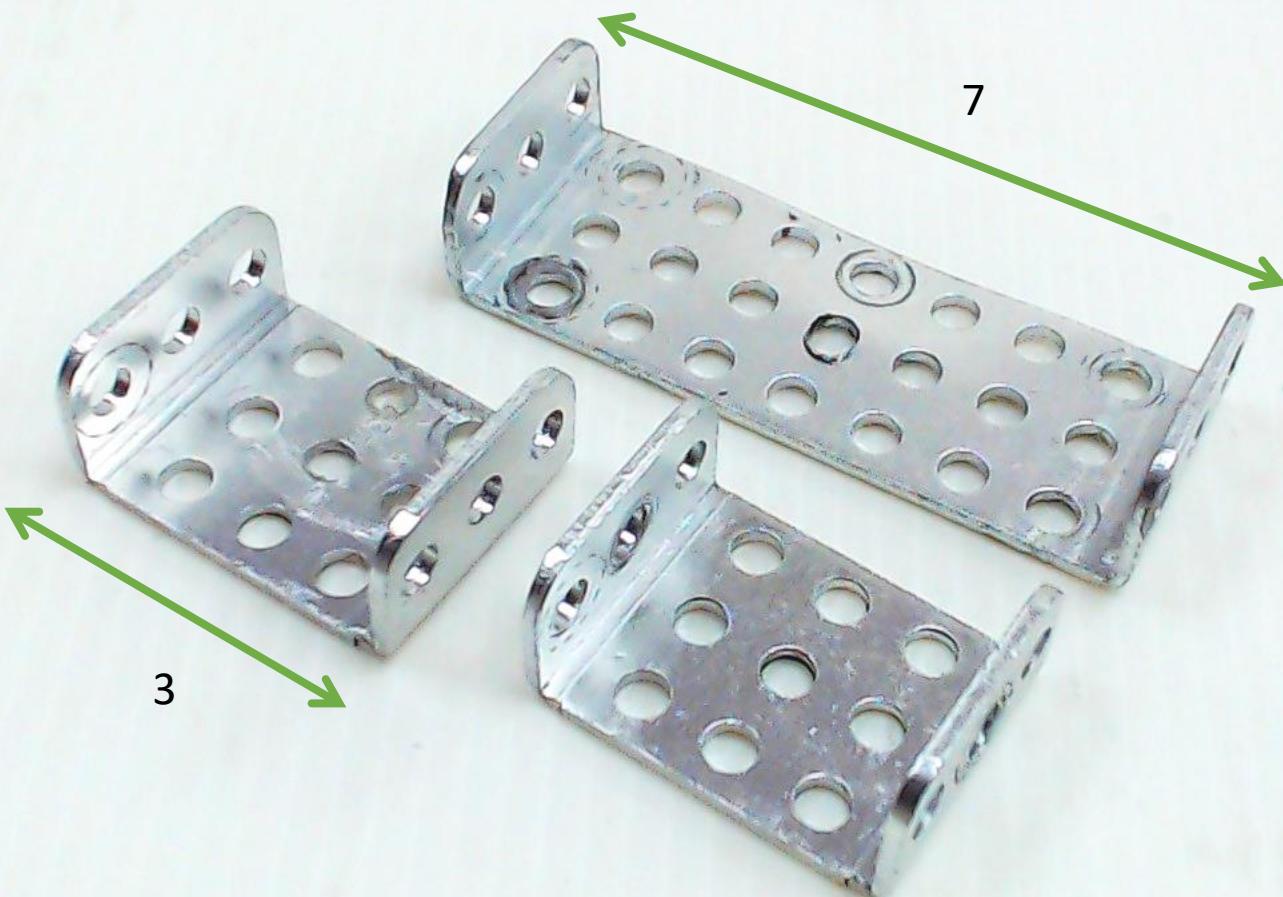
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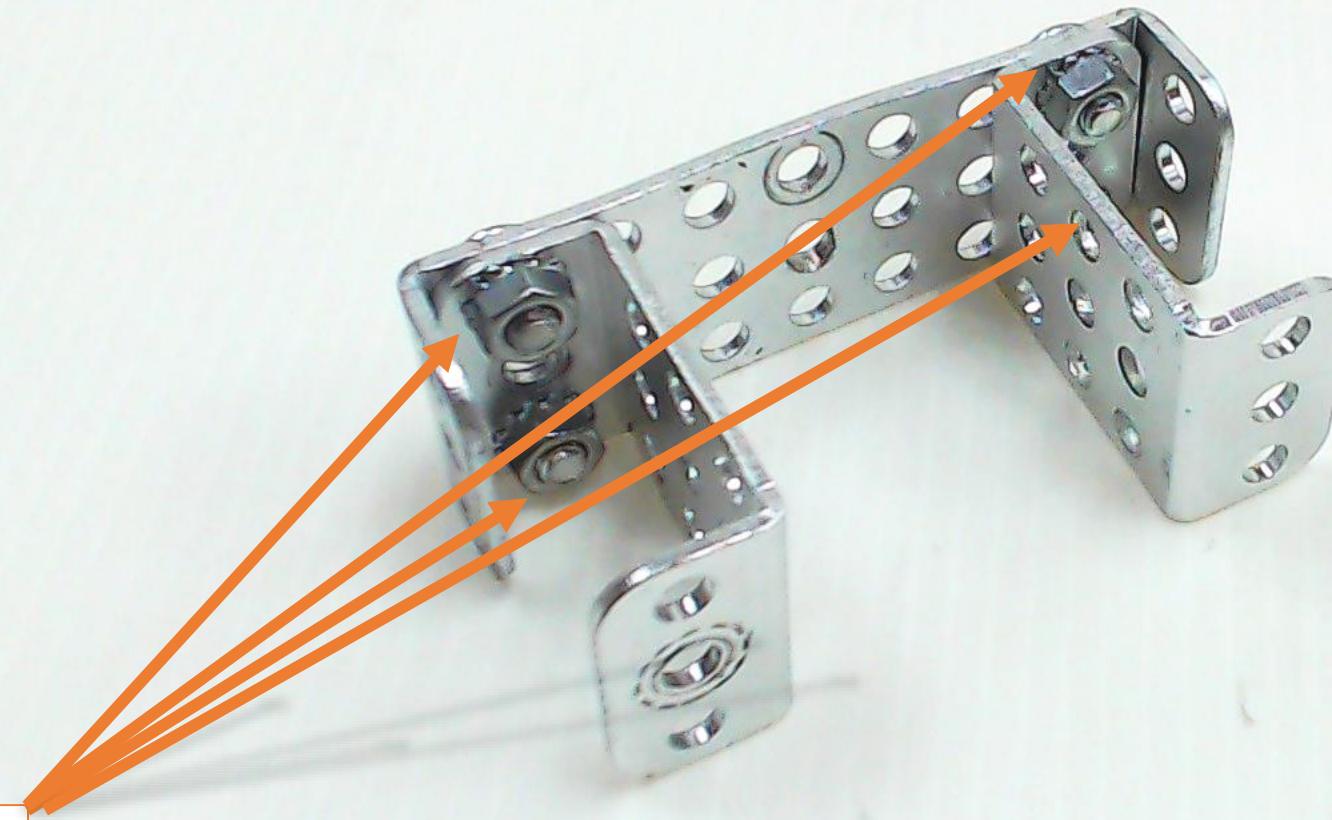


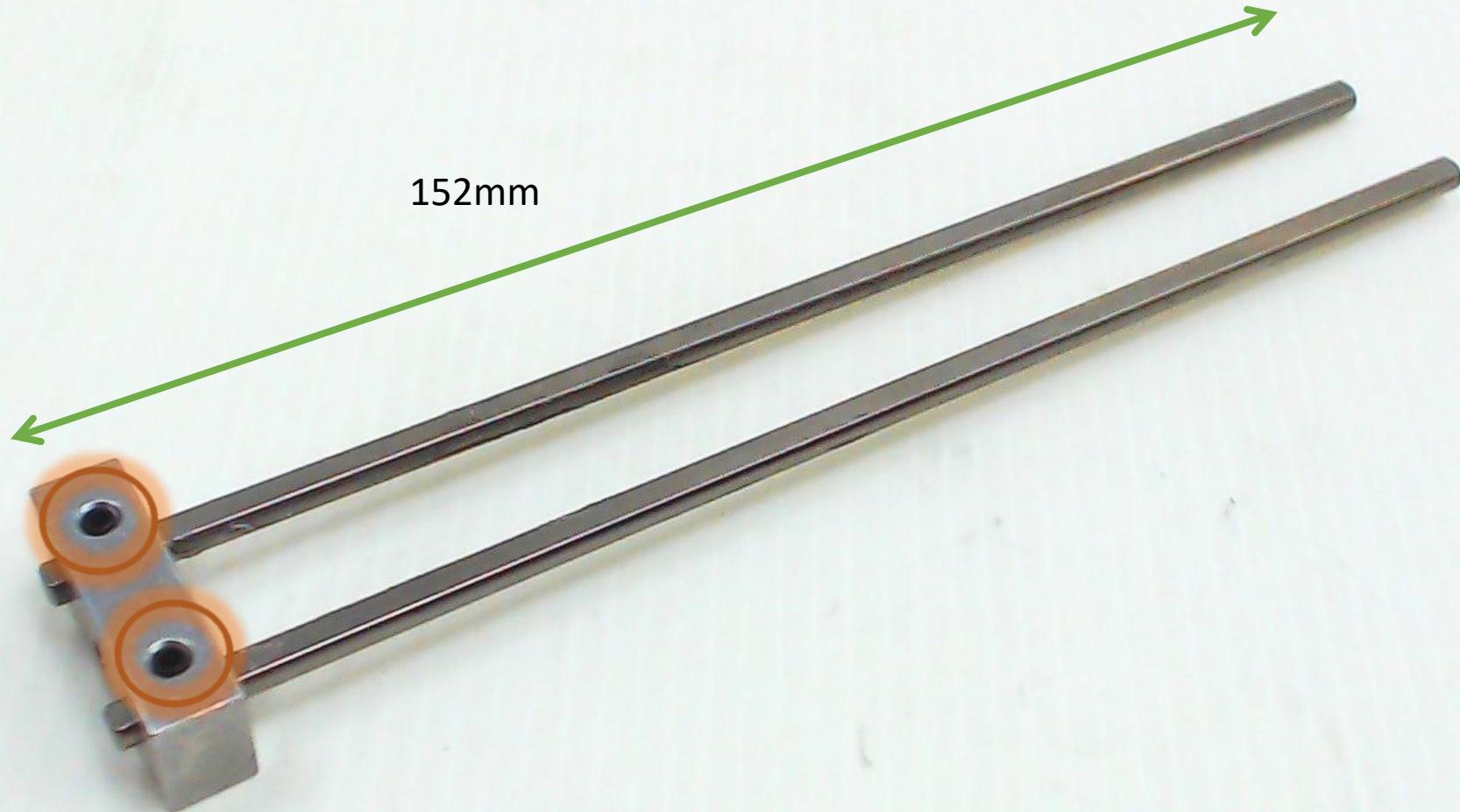
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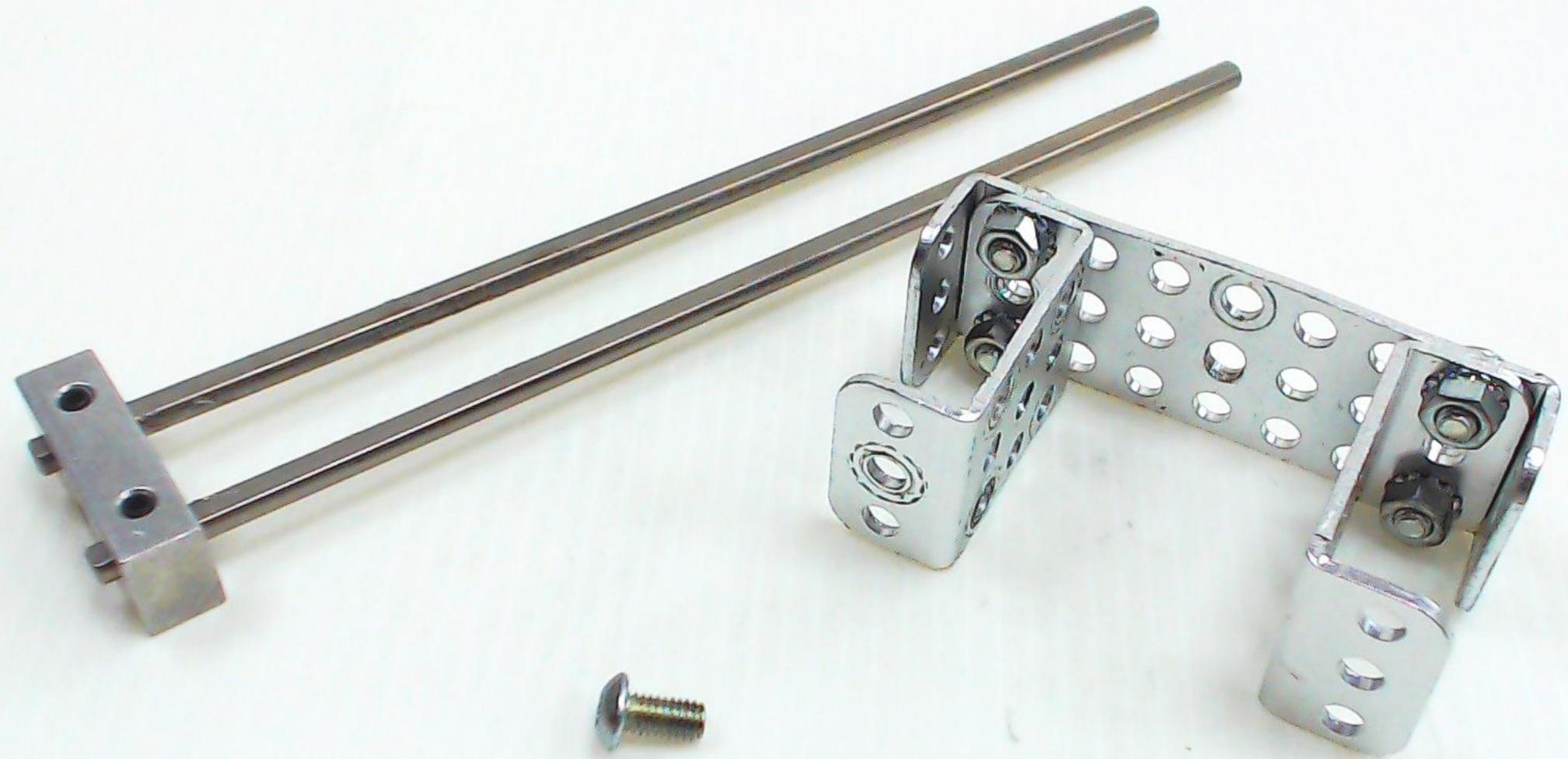


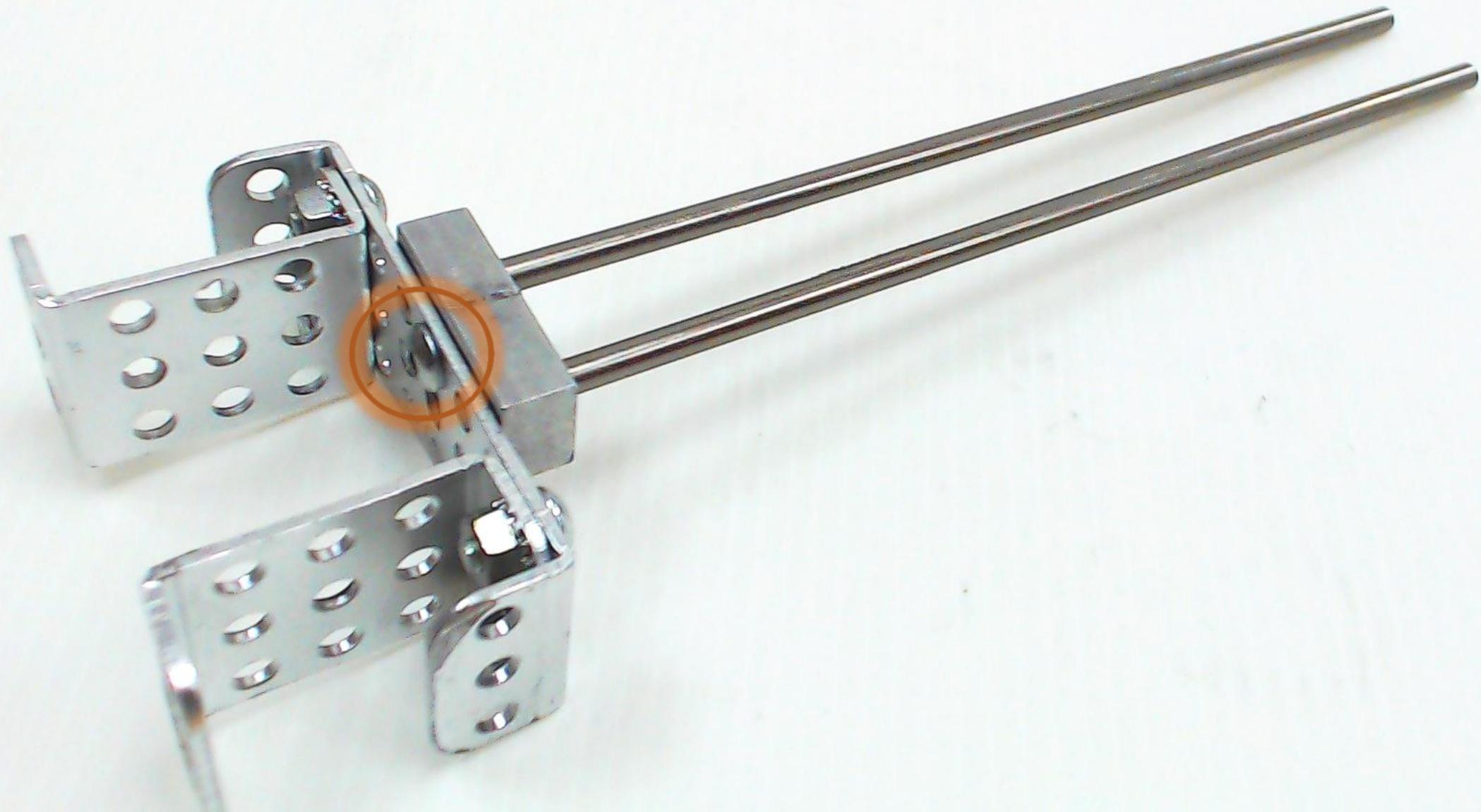
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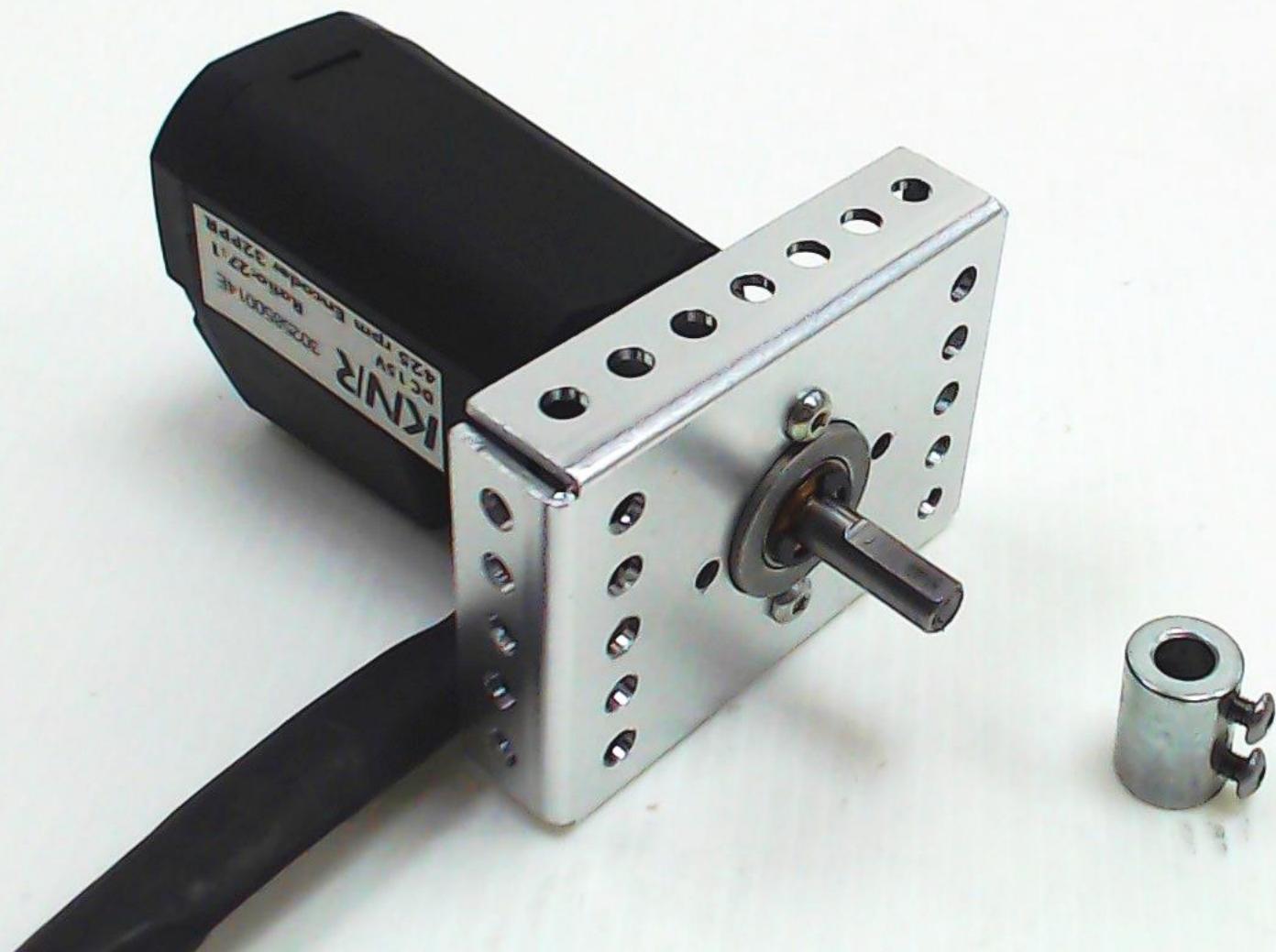


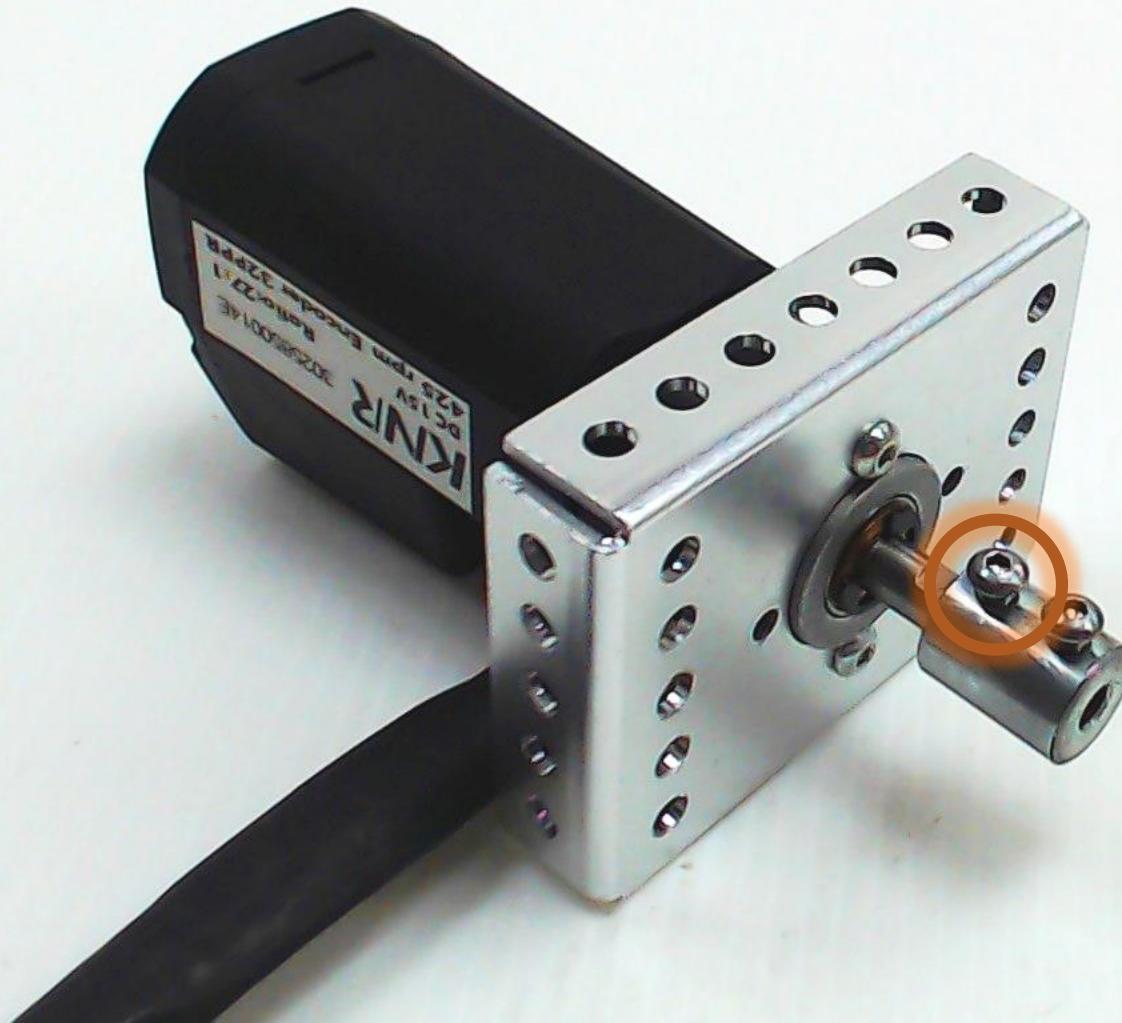


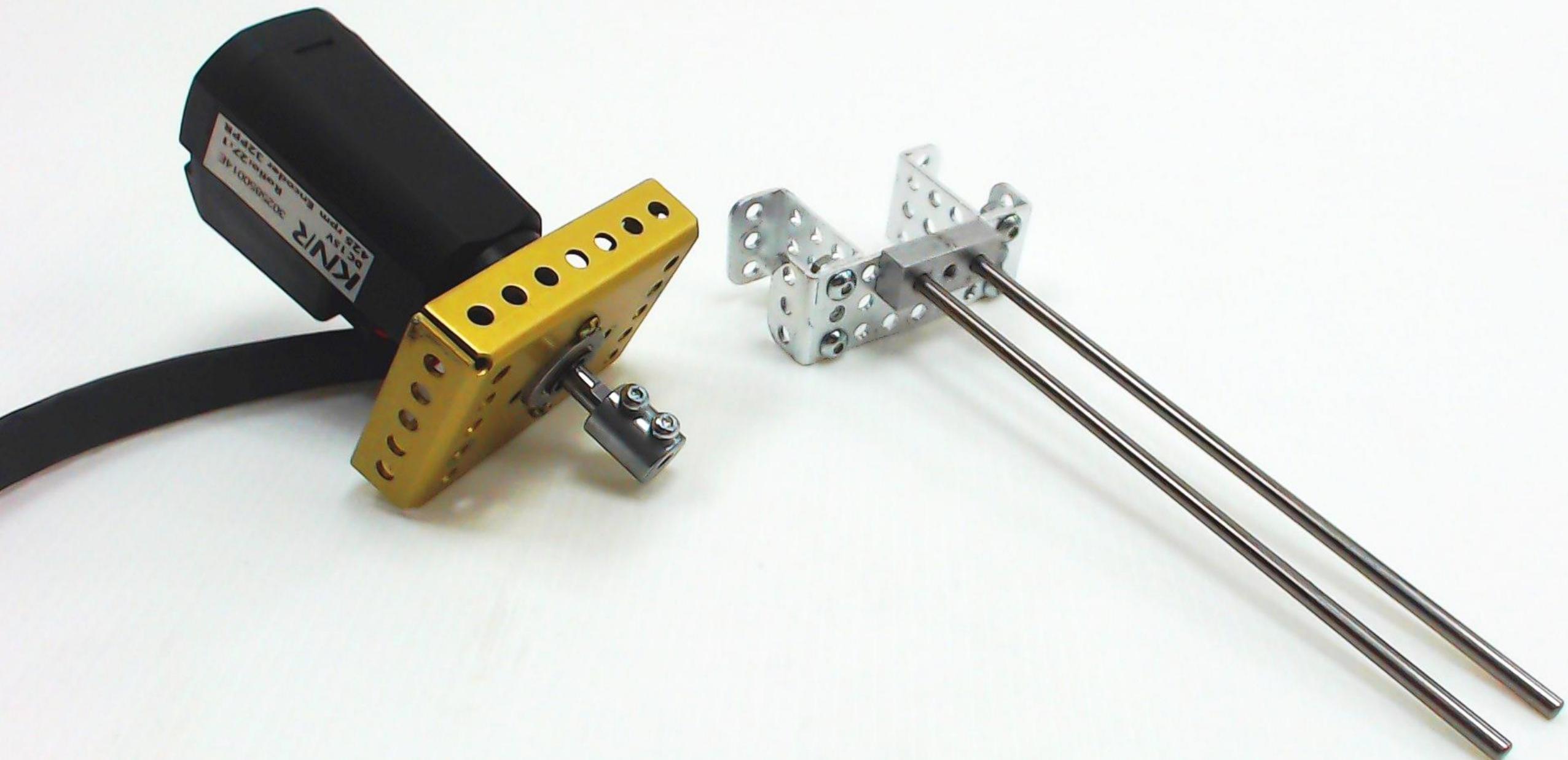
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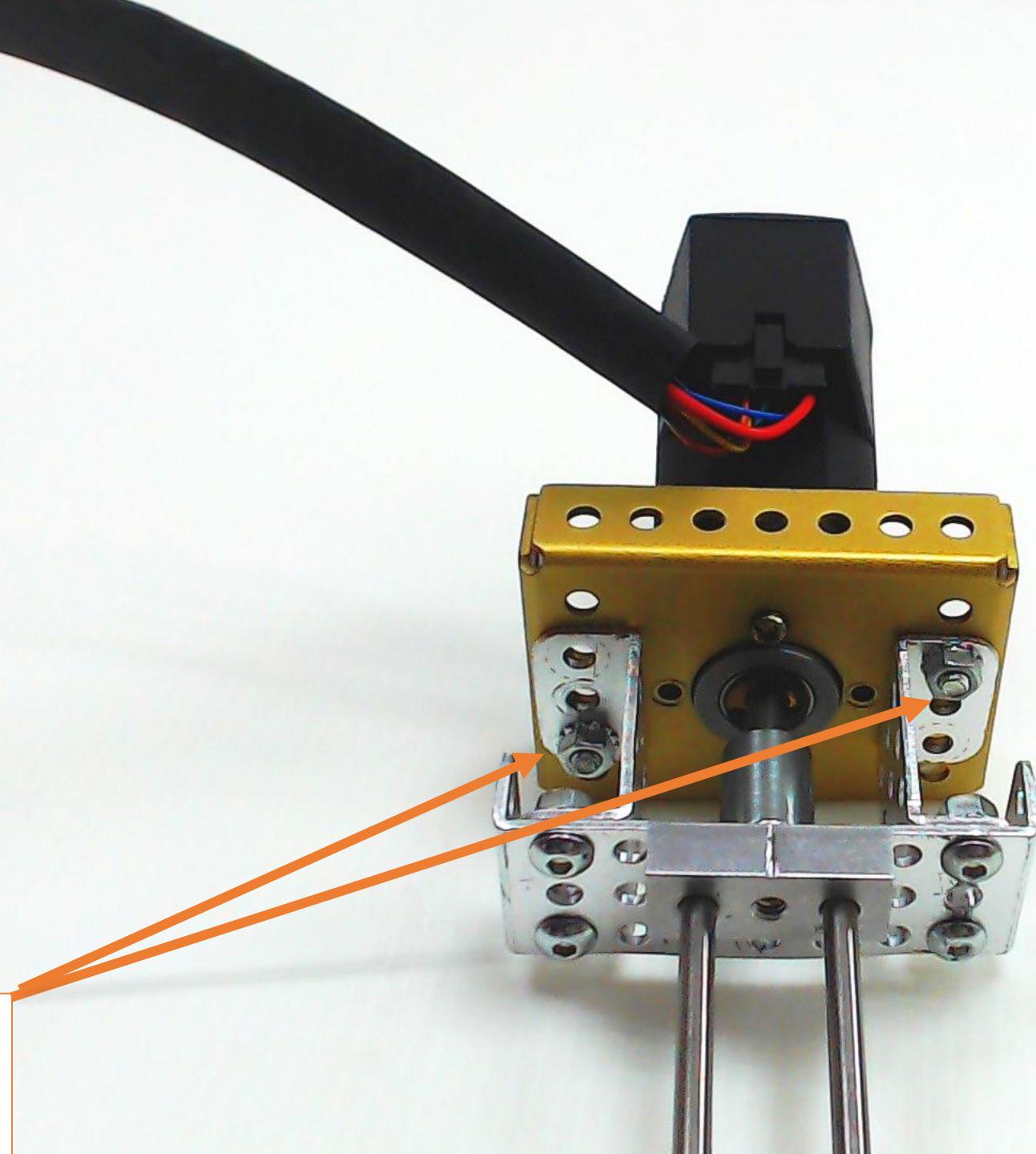


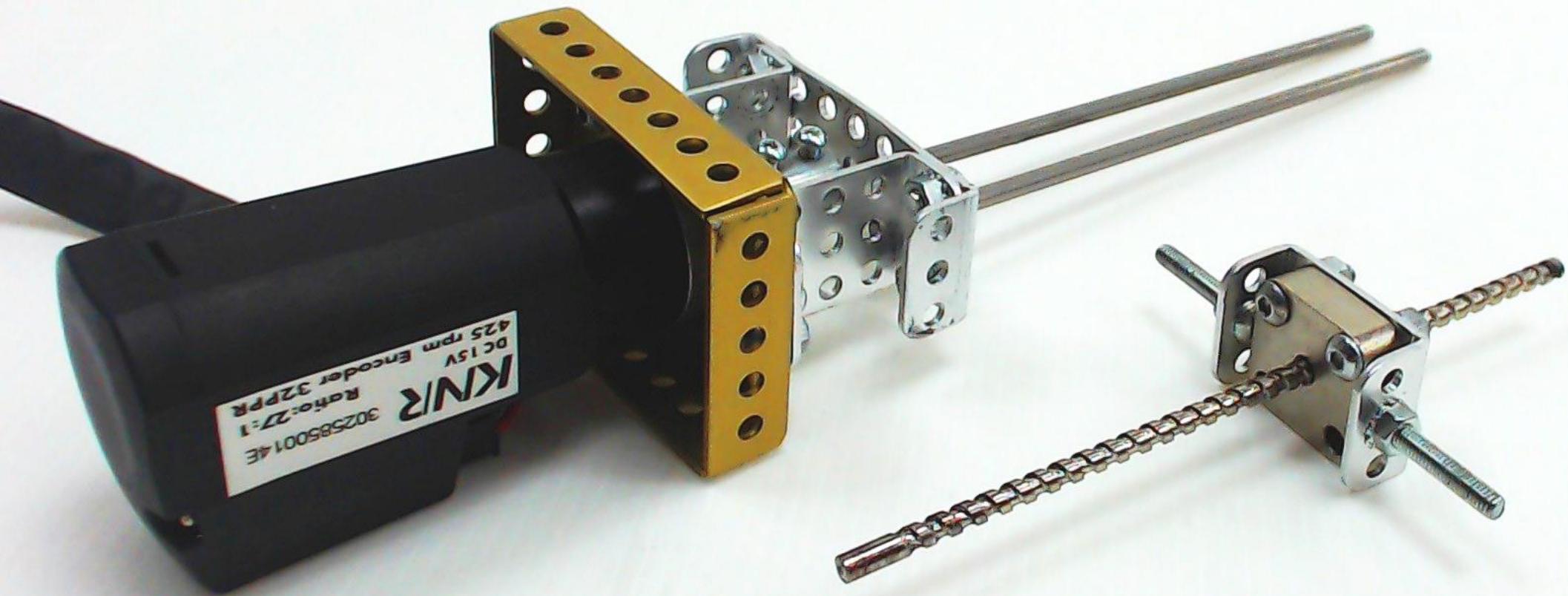




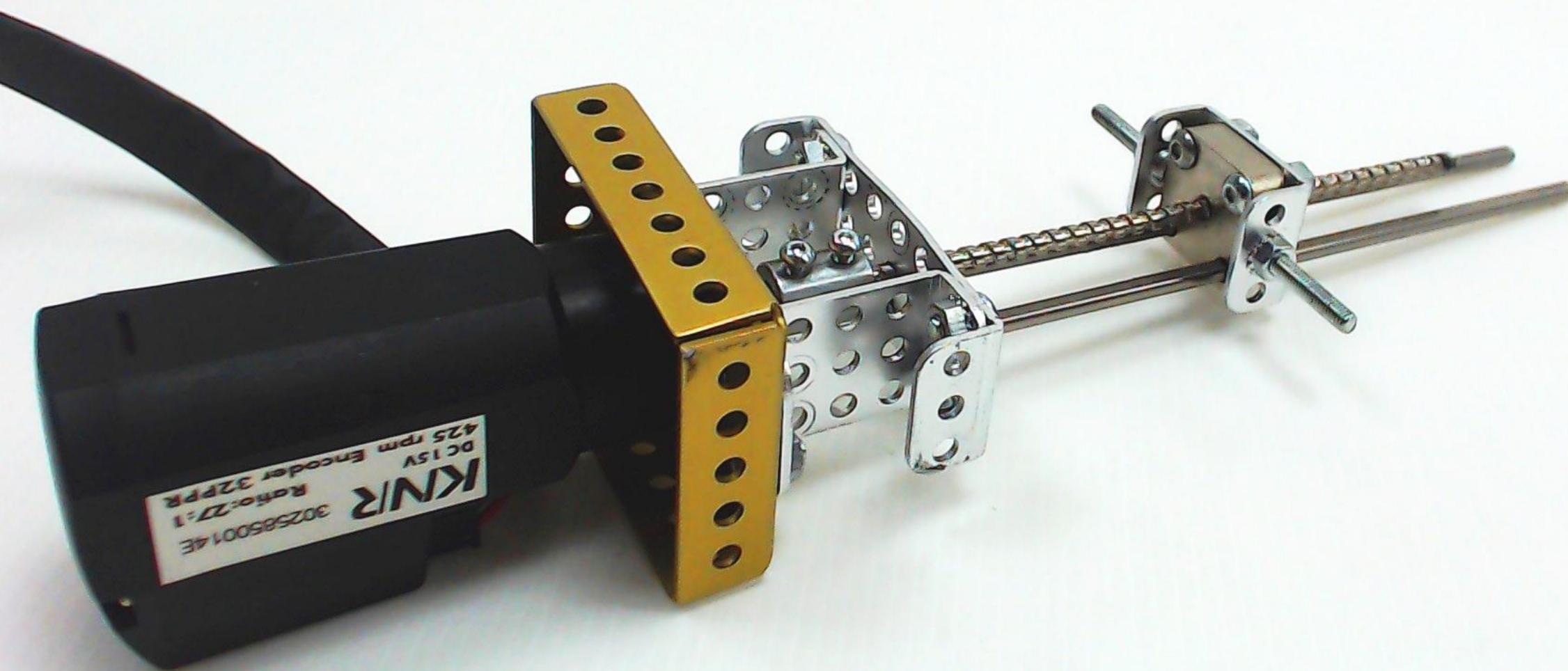


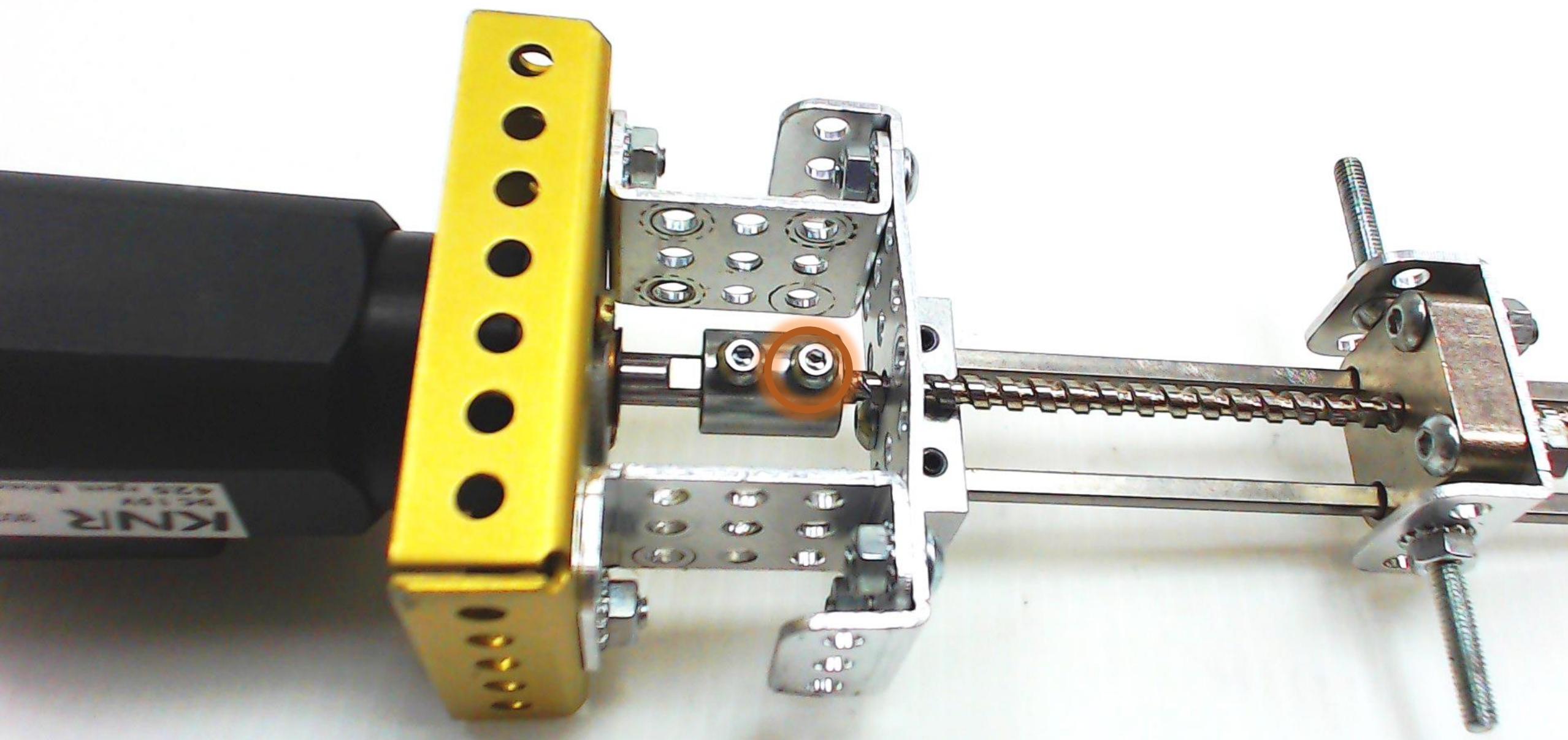
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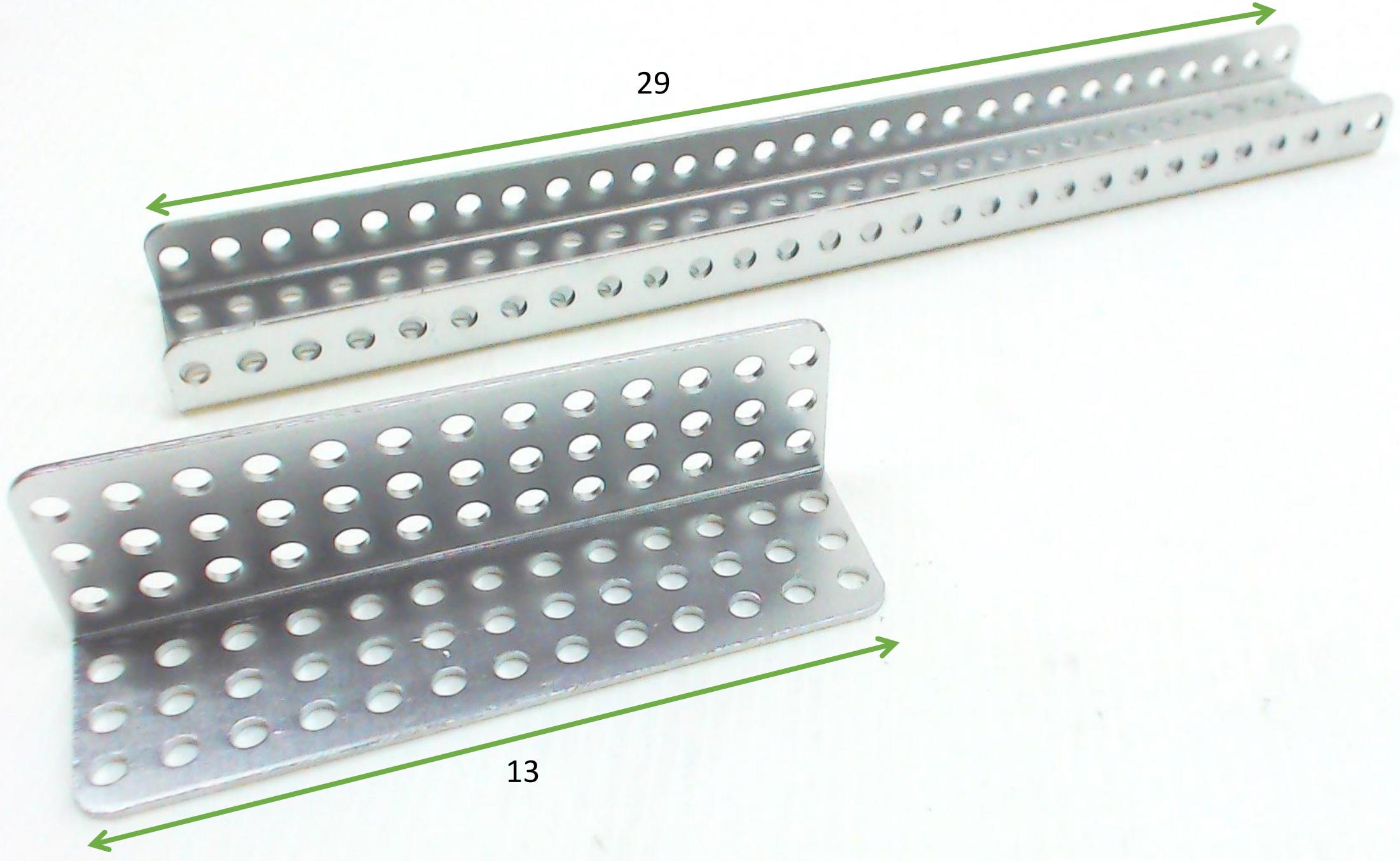




KNIR
3025850014E
Rachio 2Z-1
DC15V
425 rpm Encoder 32PPR

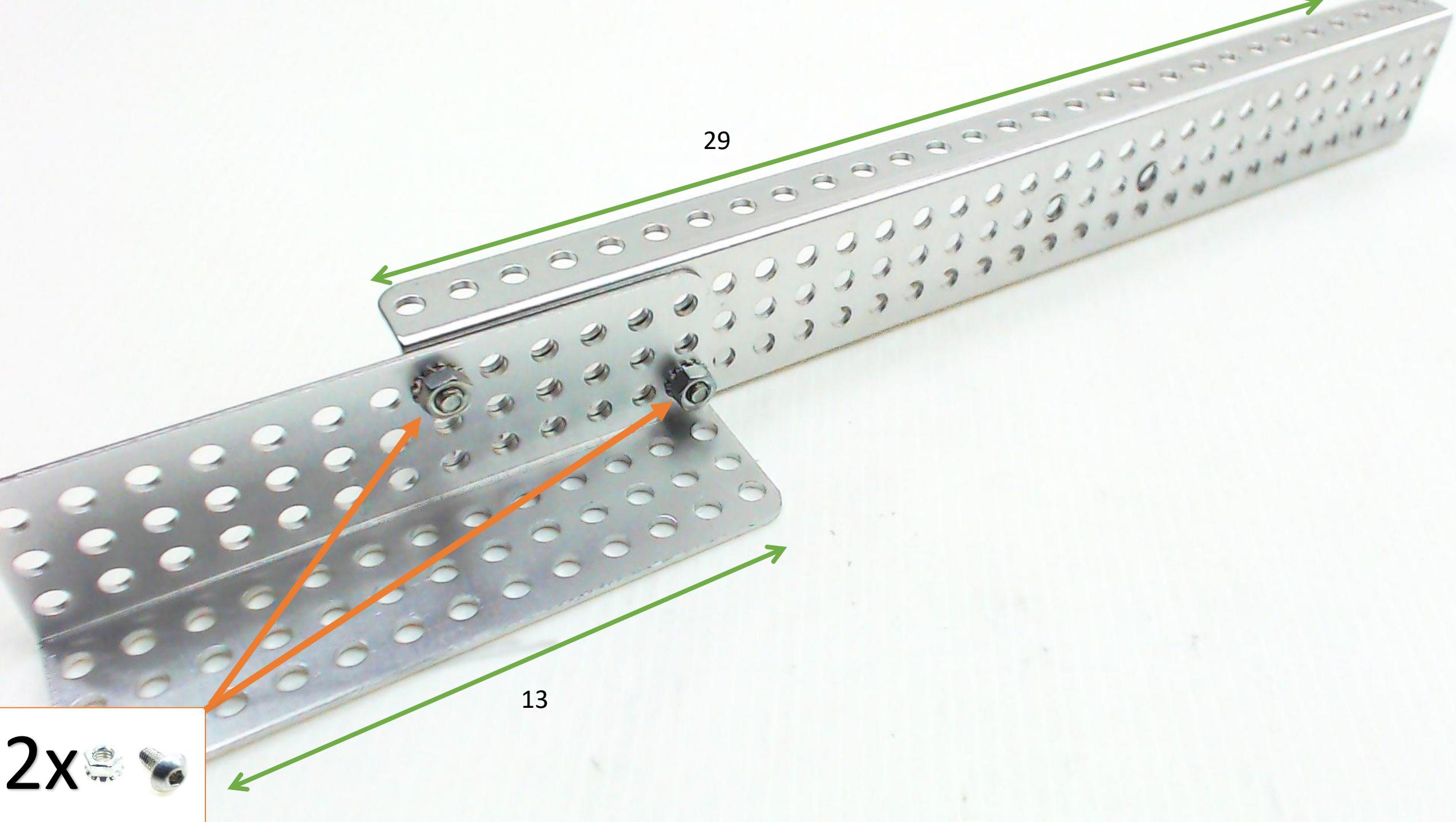


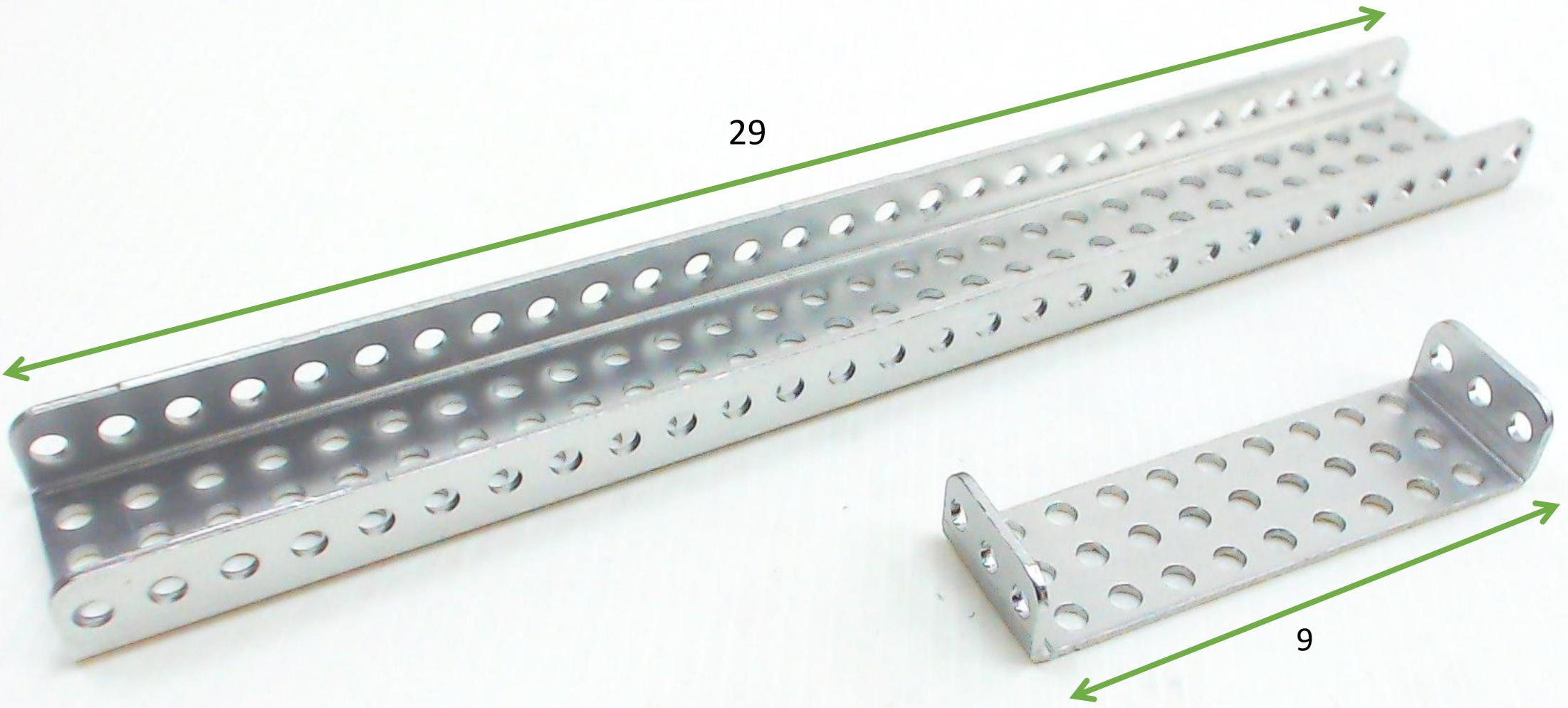




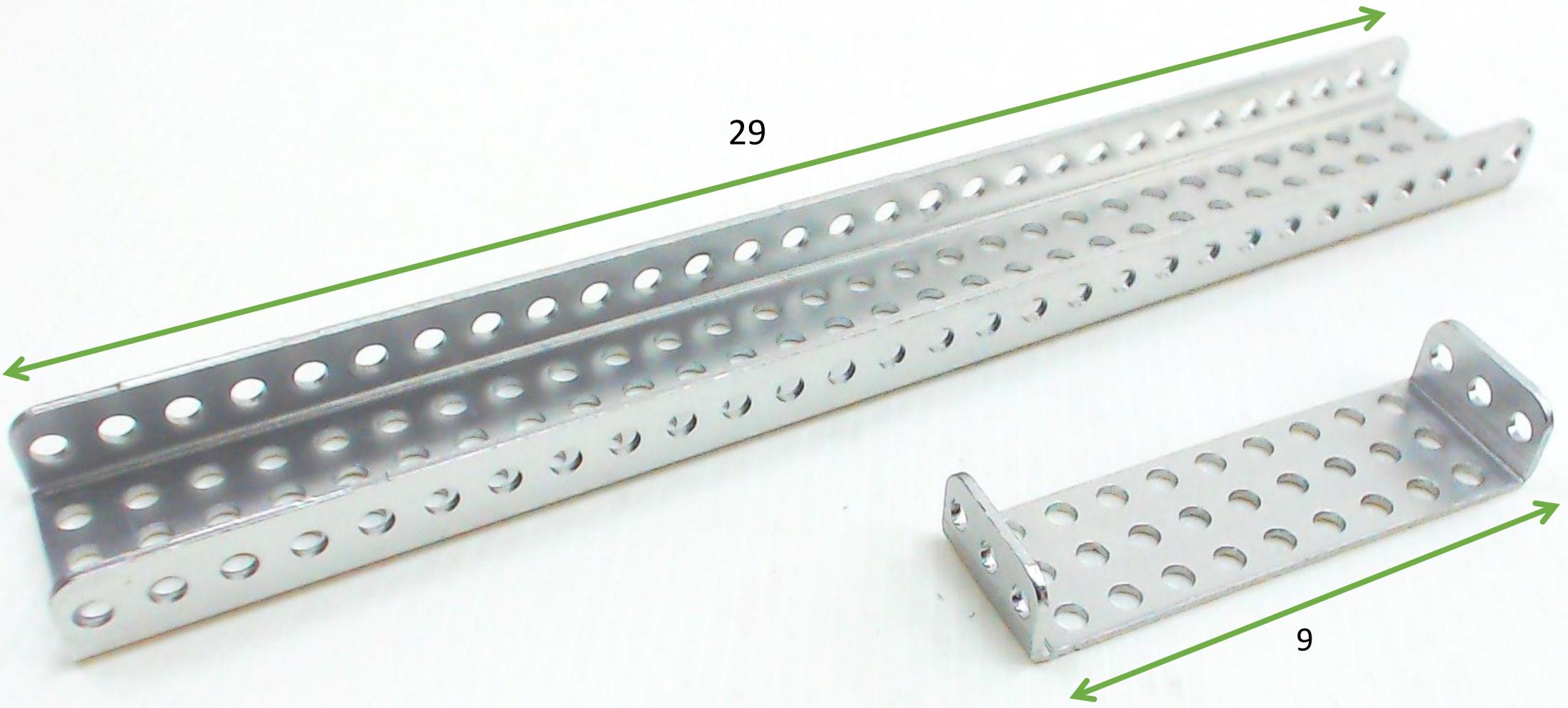
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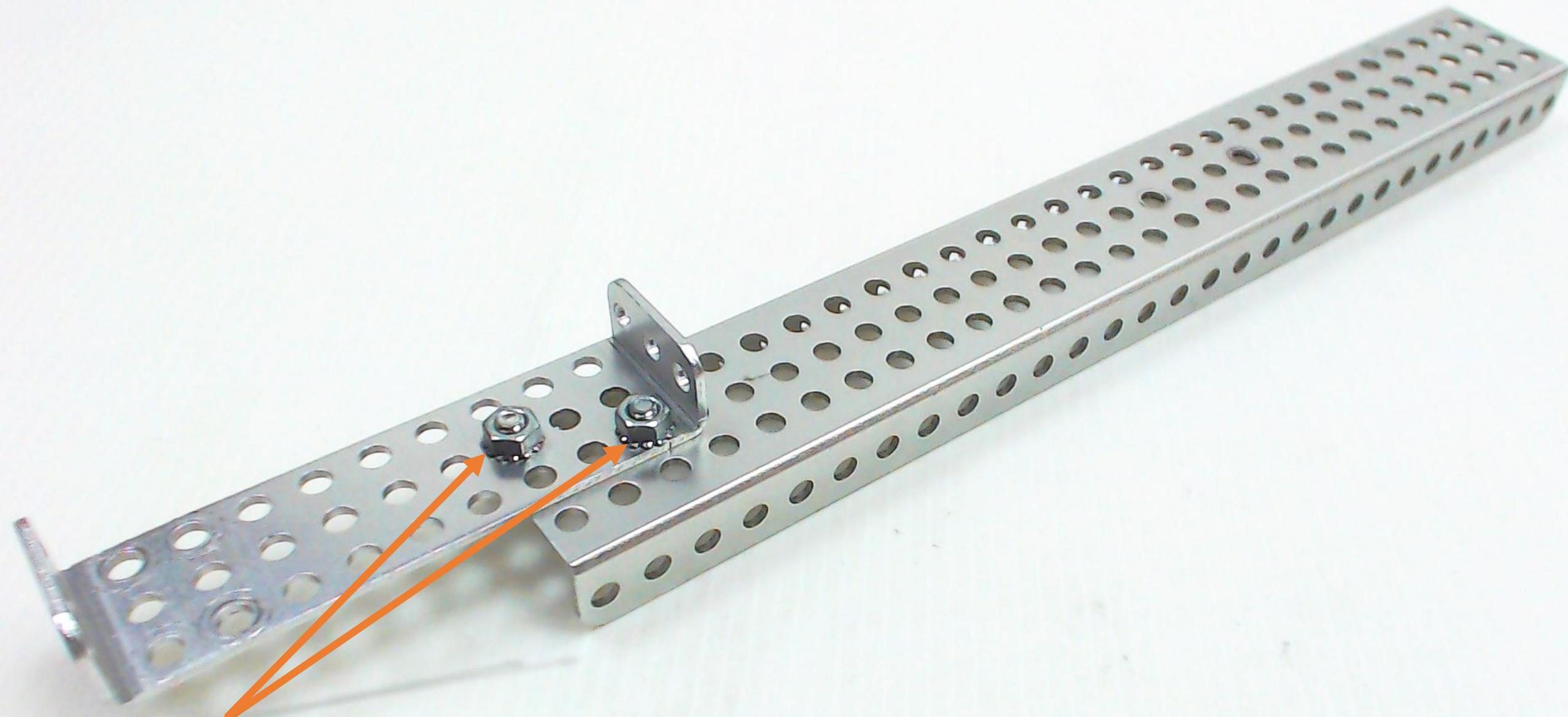




29



9



2x

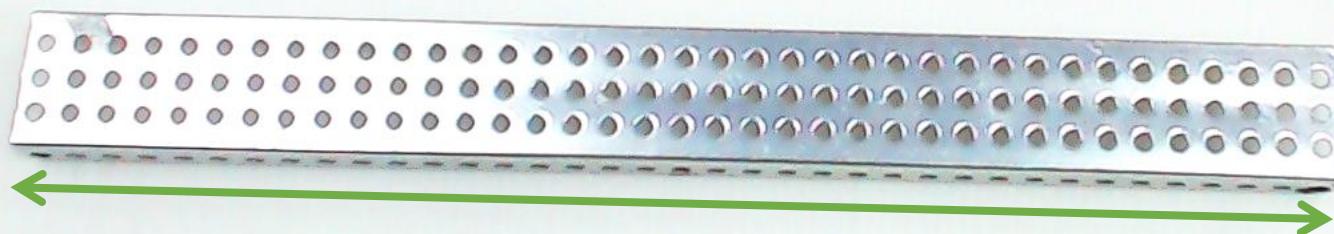




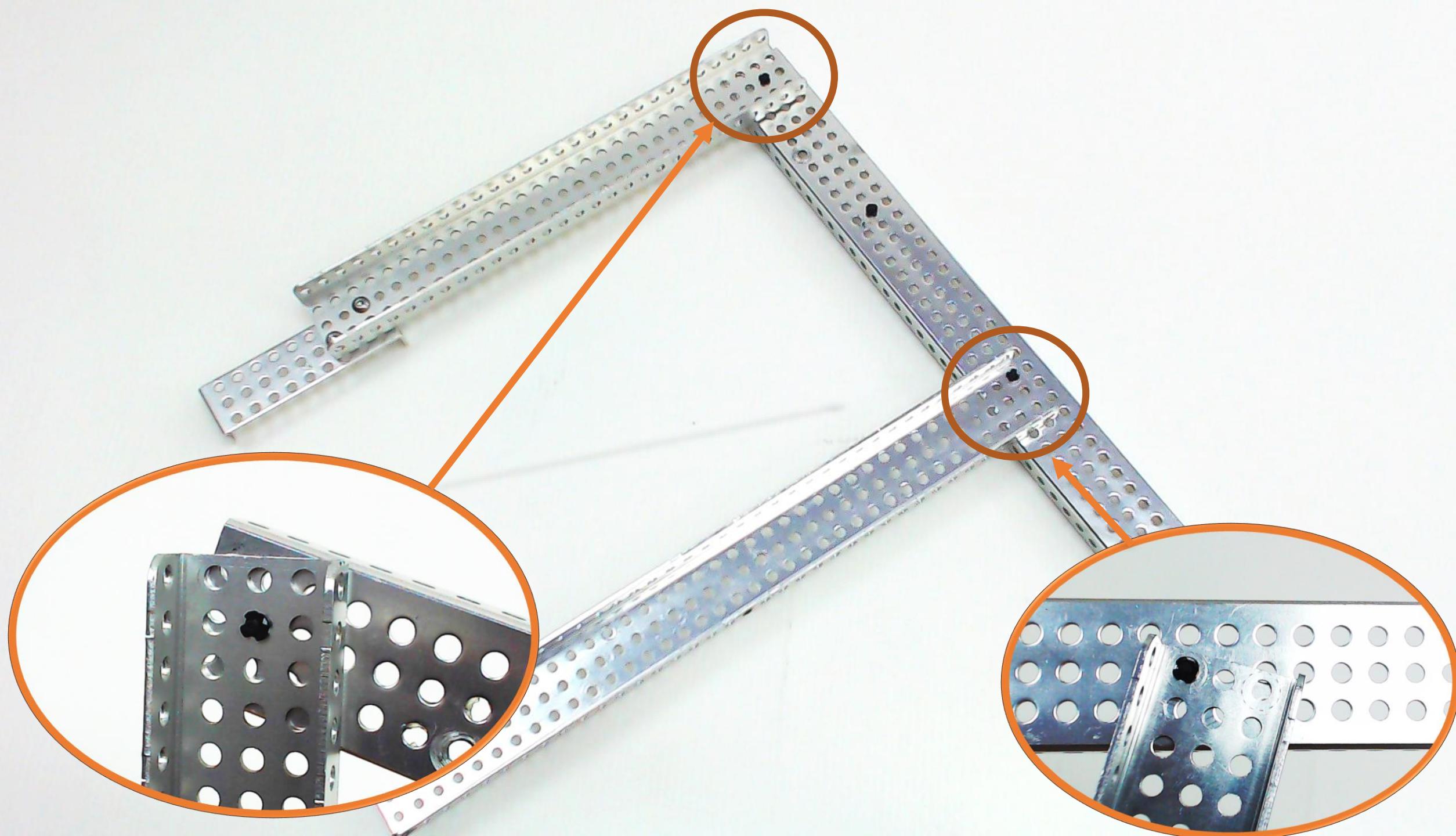
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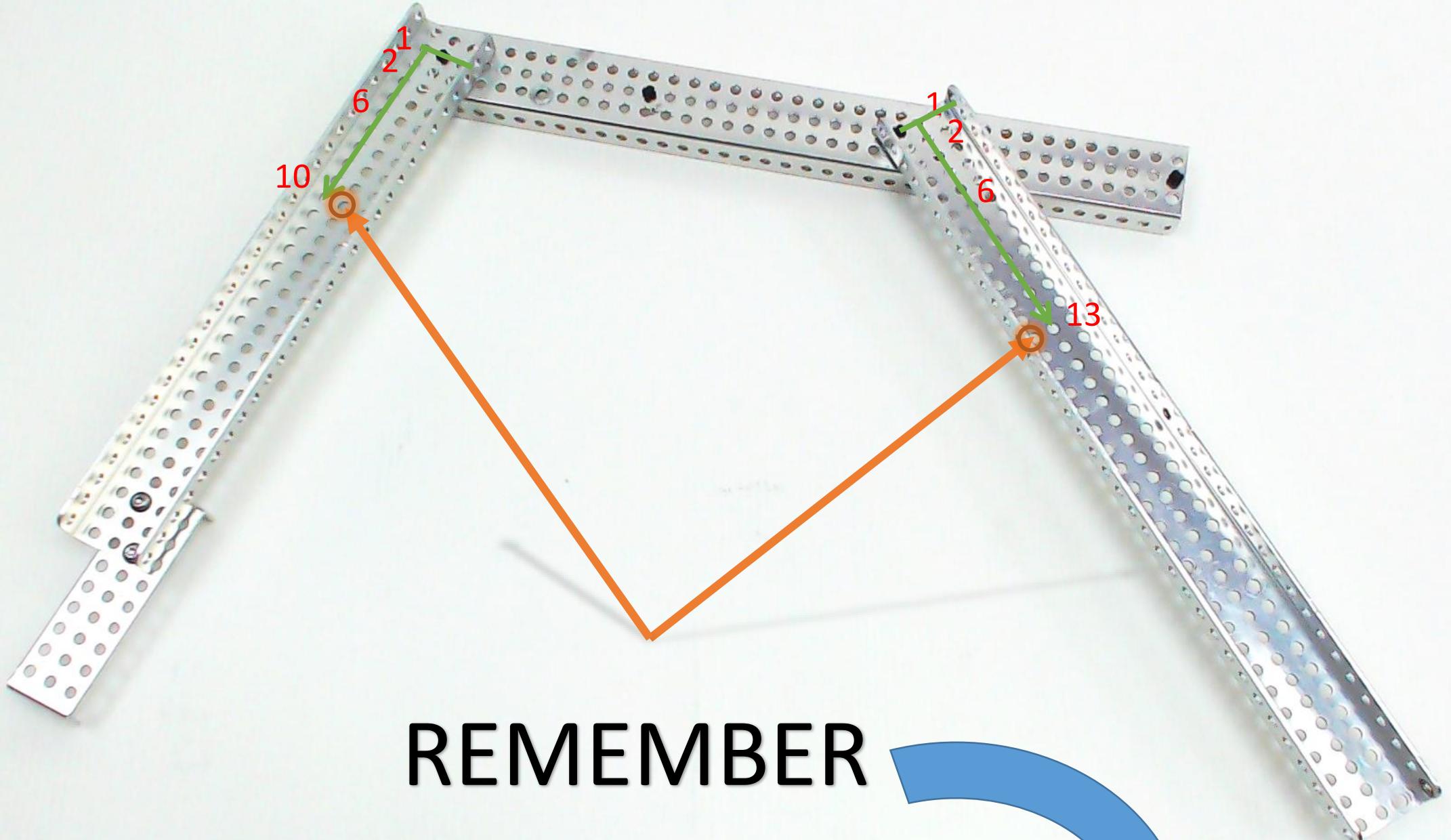
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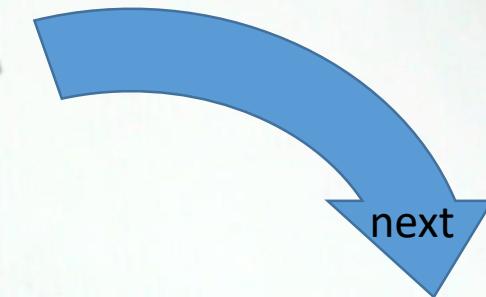


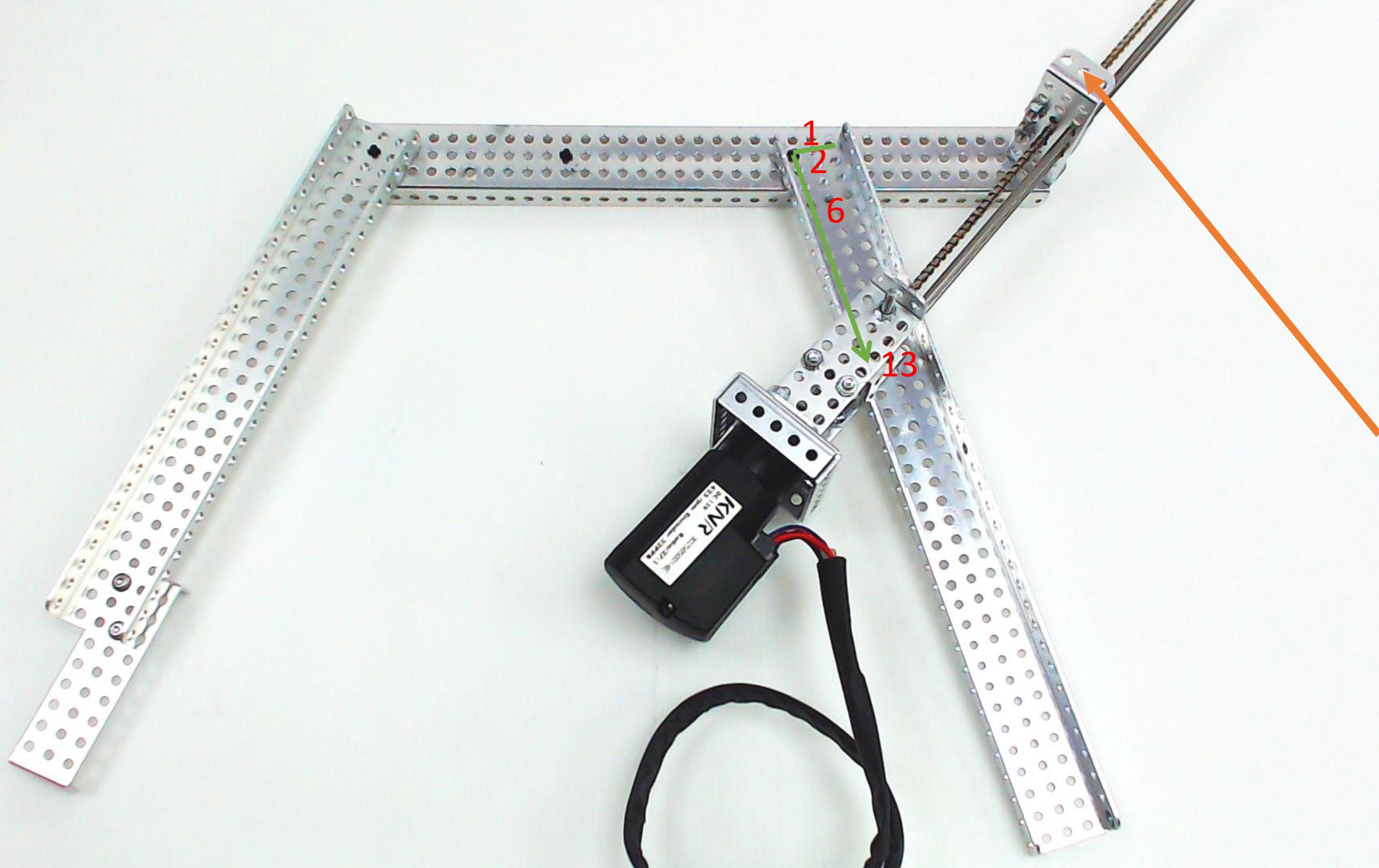
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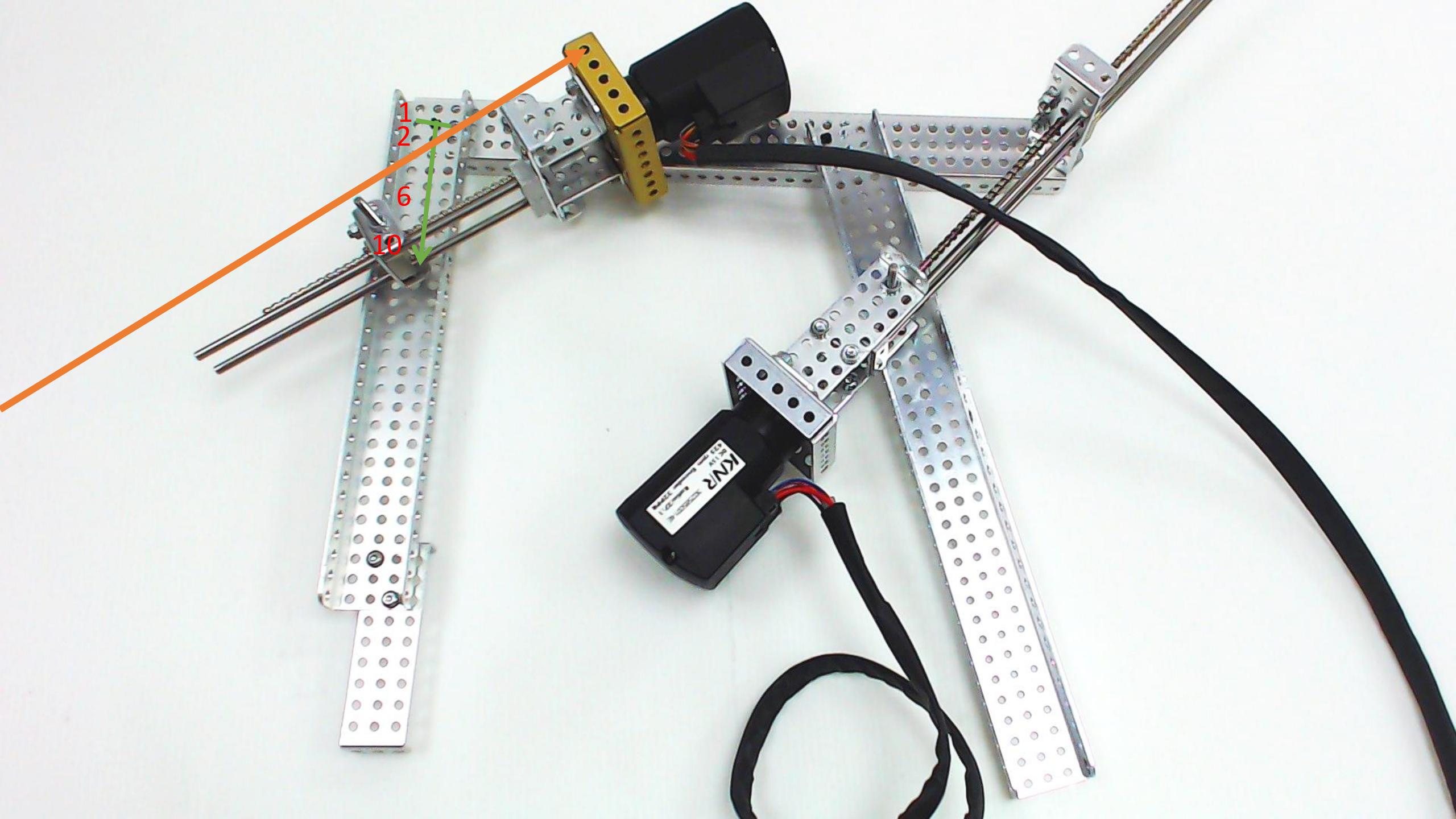


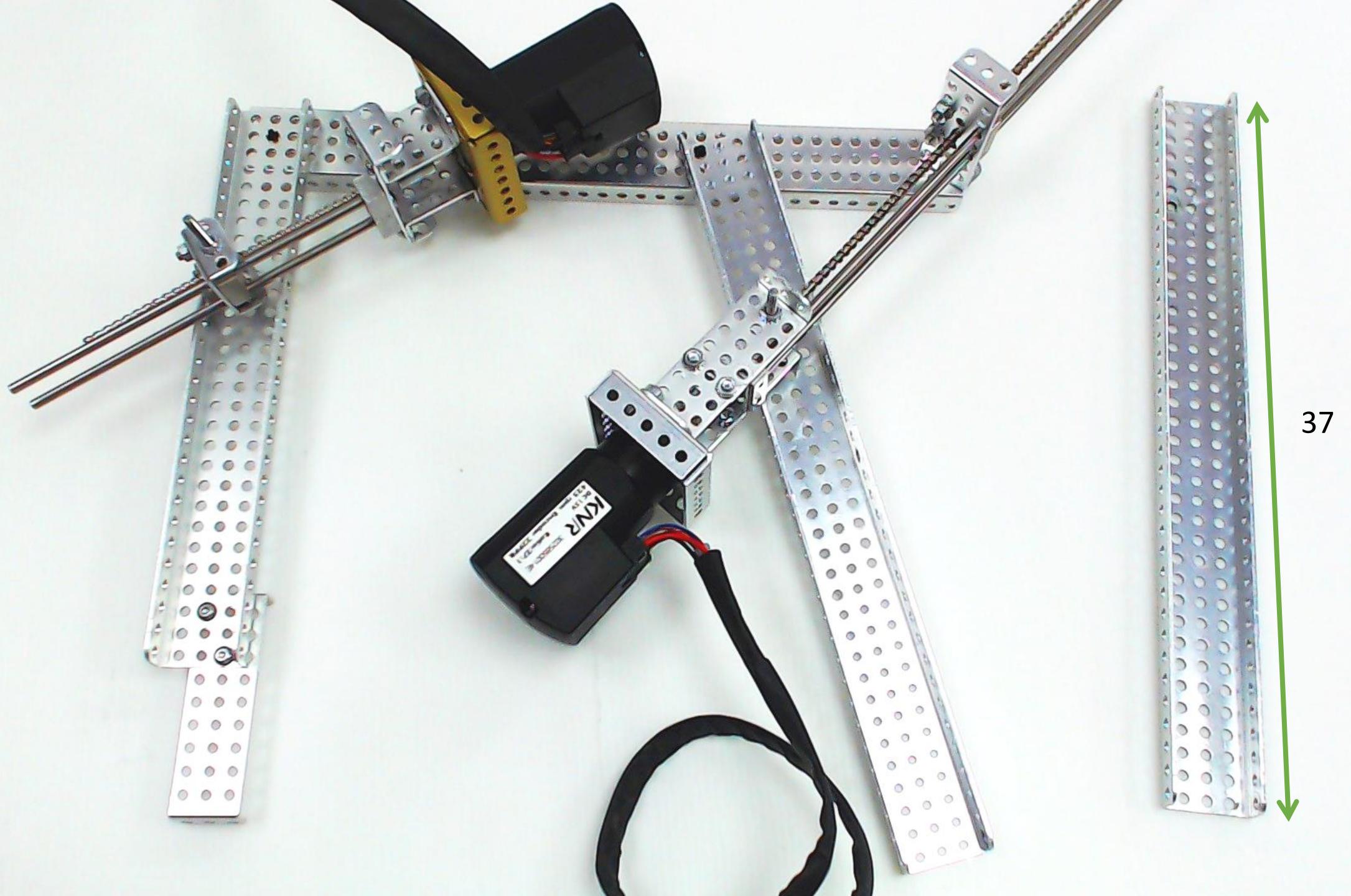


REMEMBER

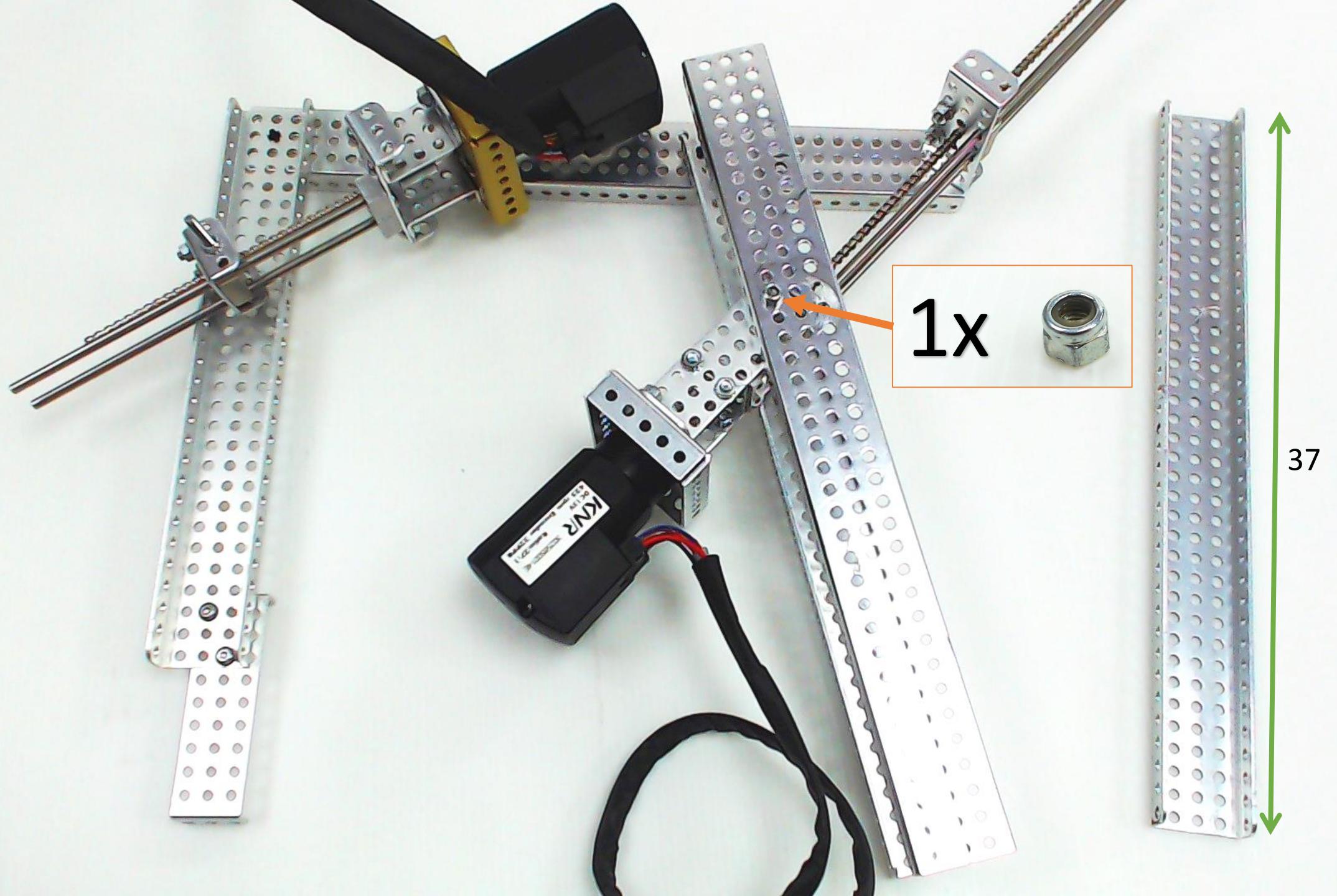




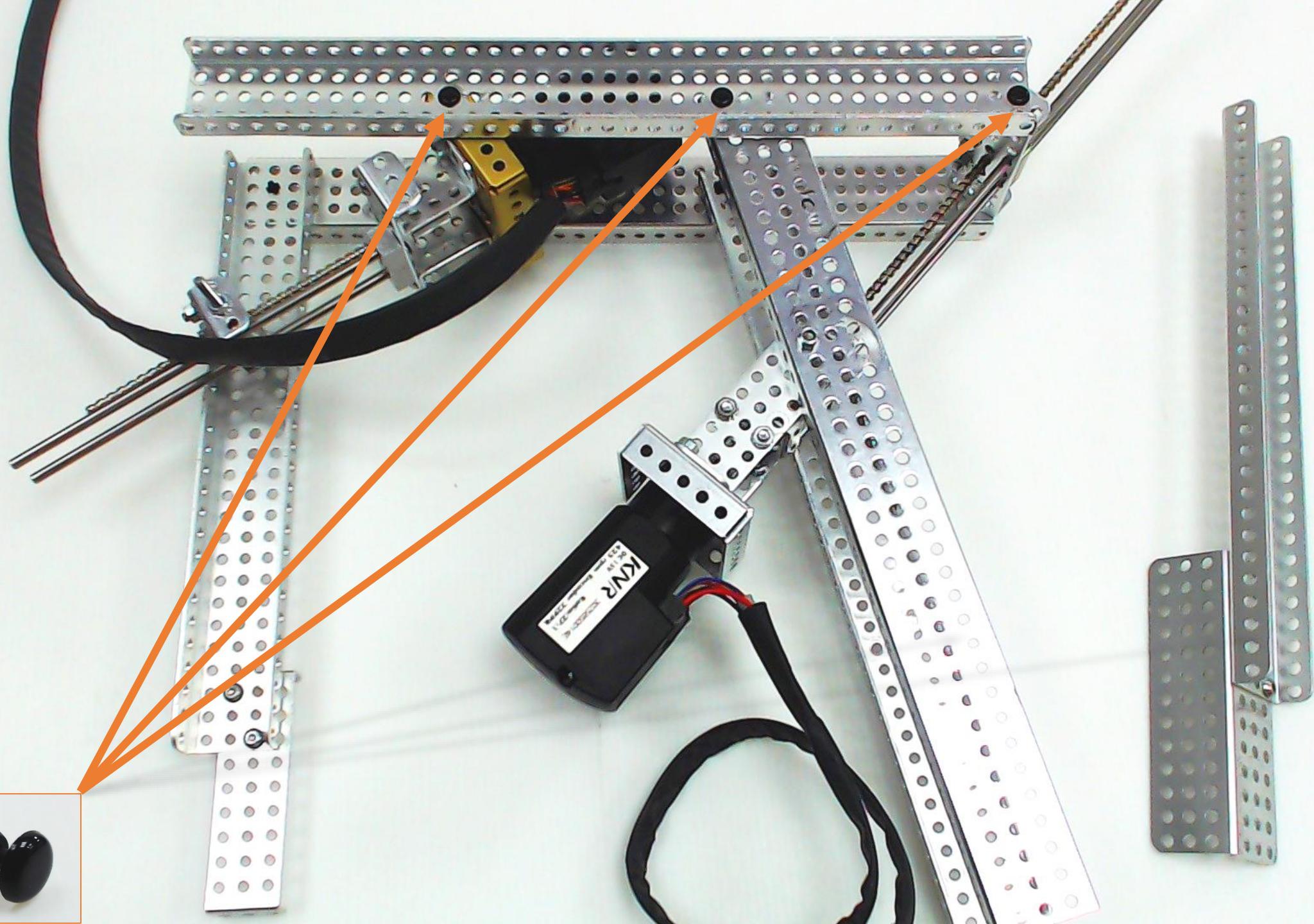




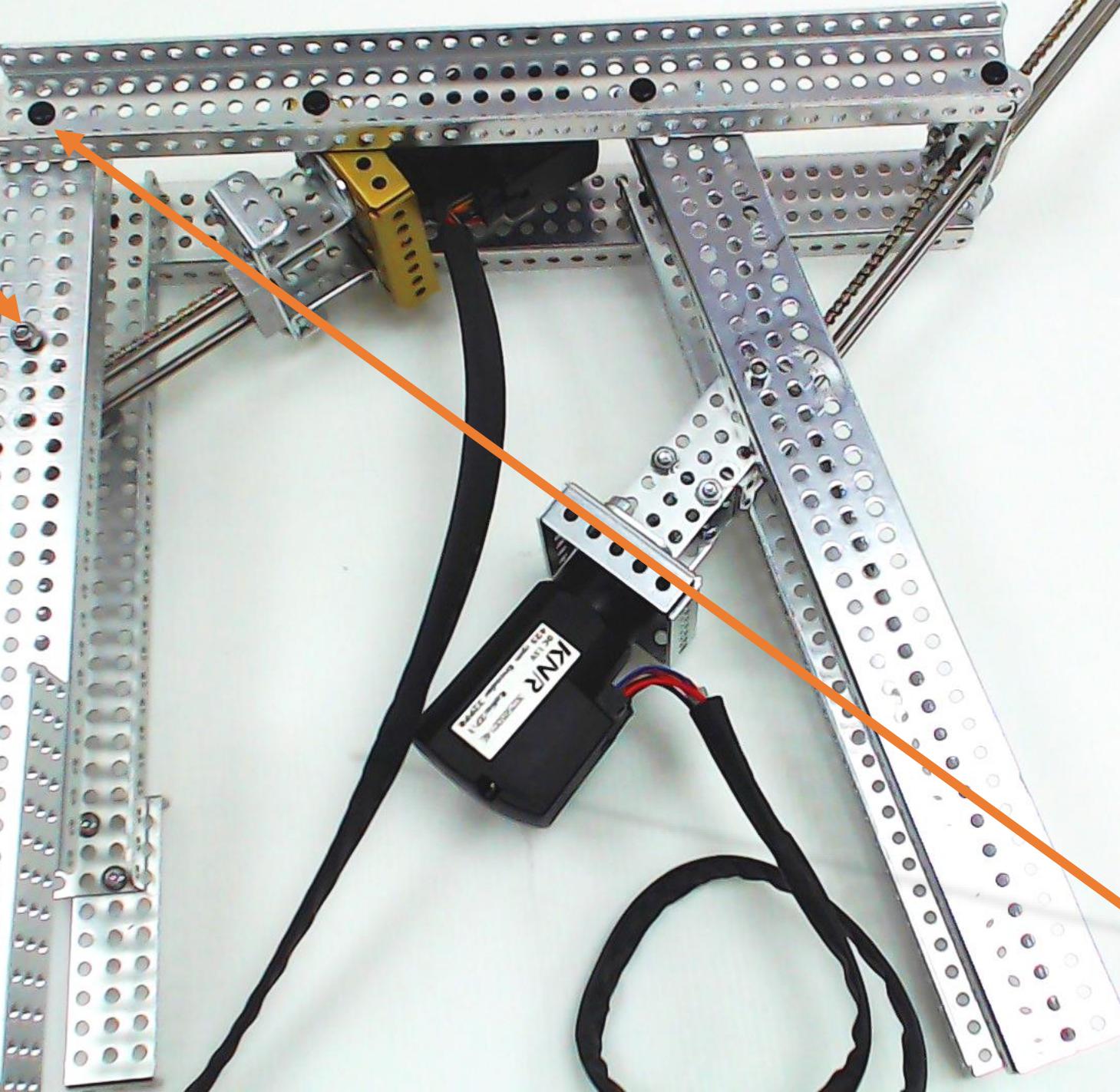
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3x

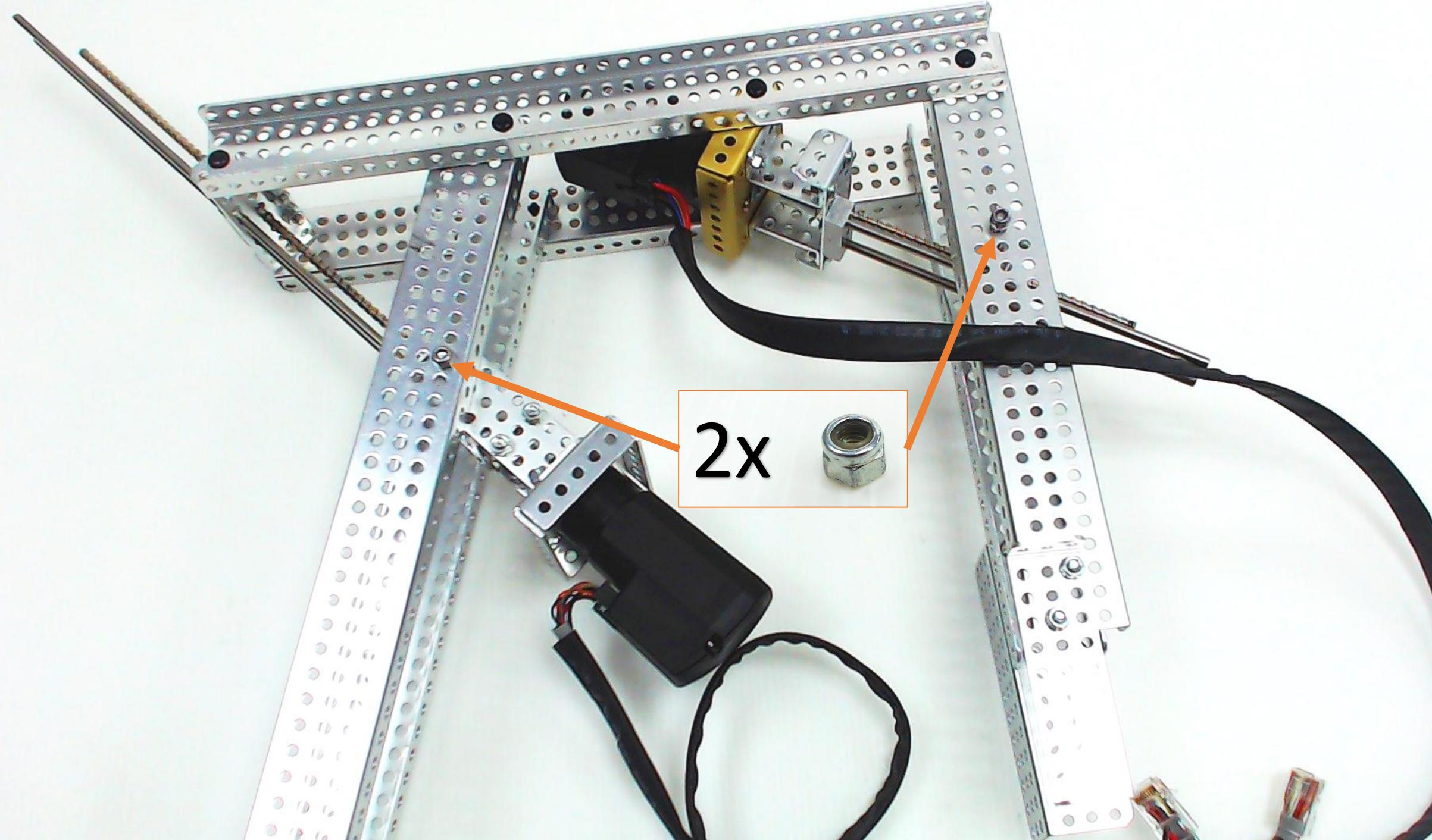


1x



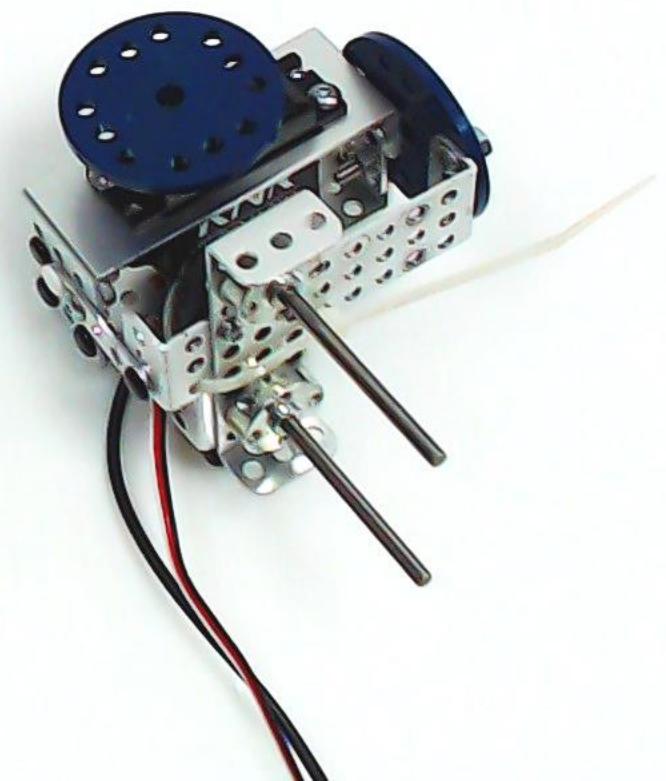
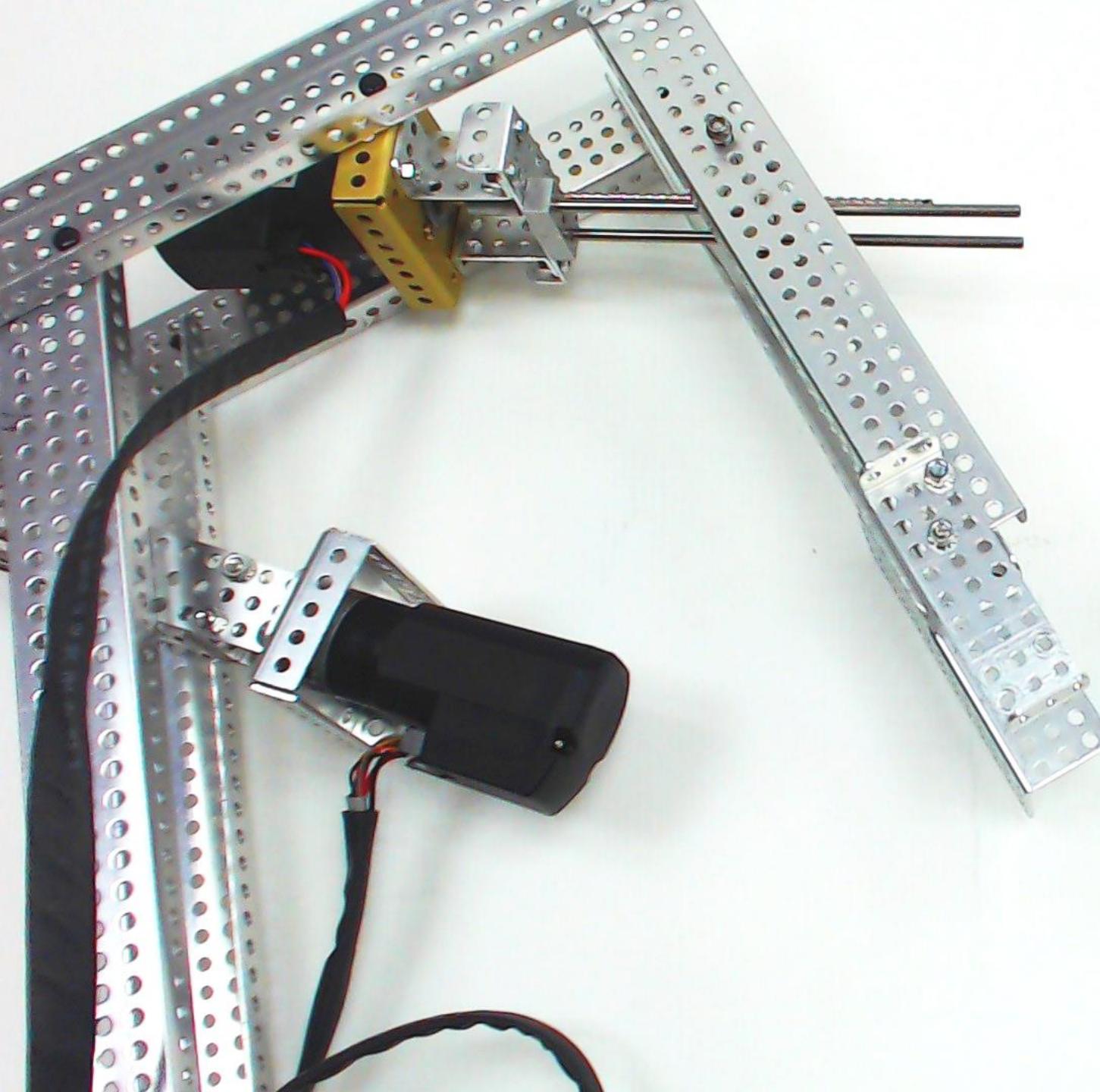
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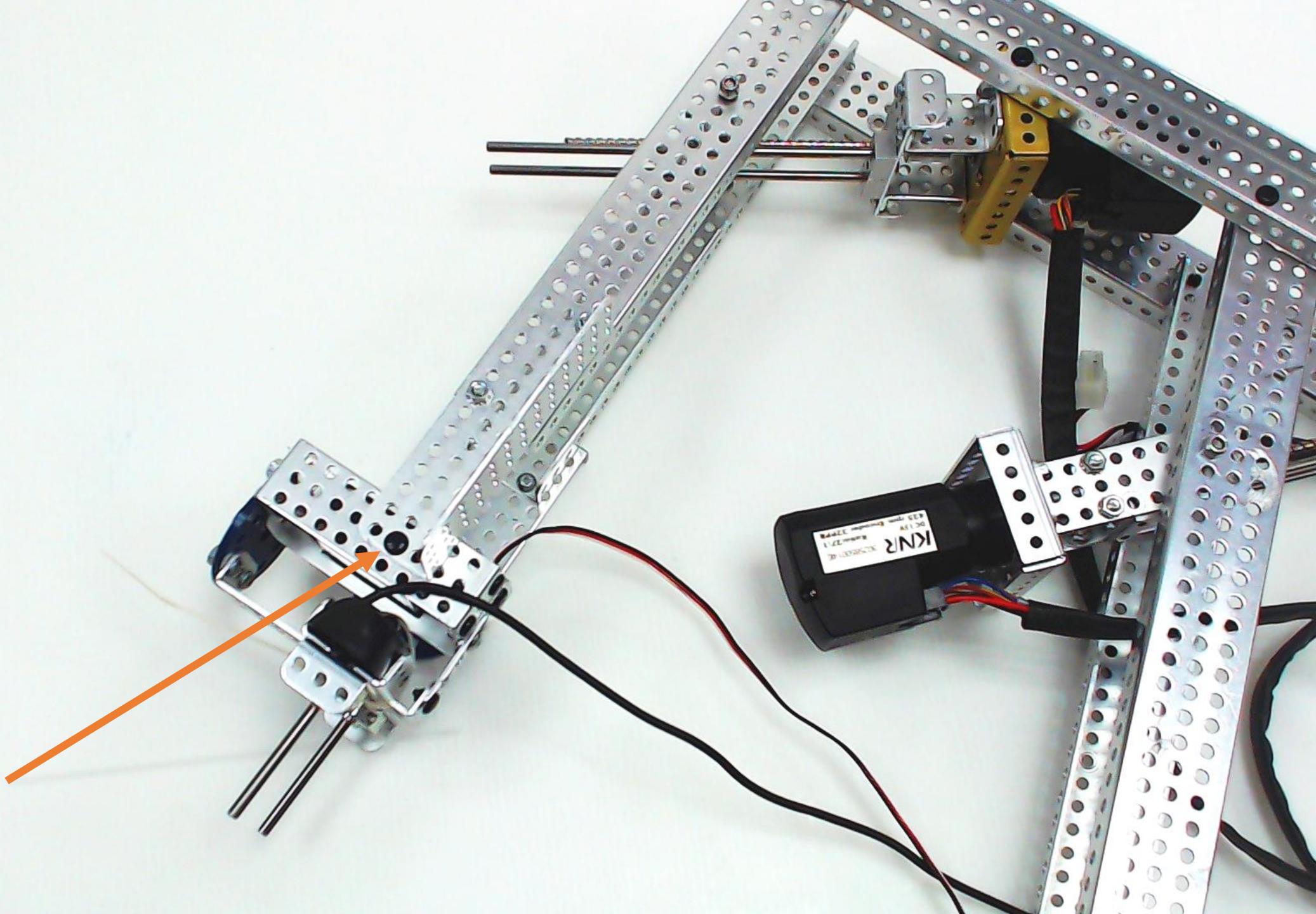


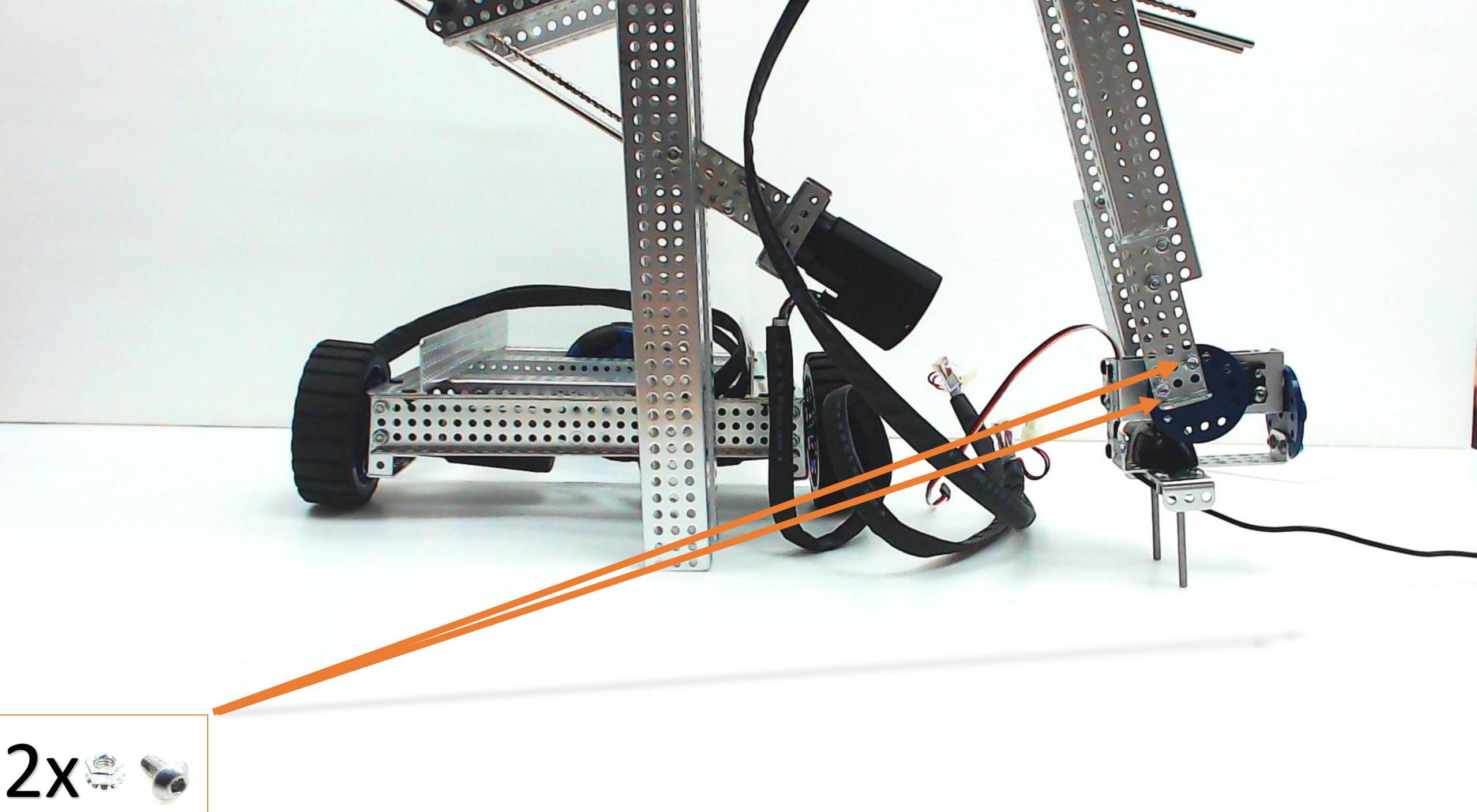
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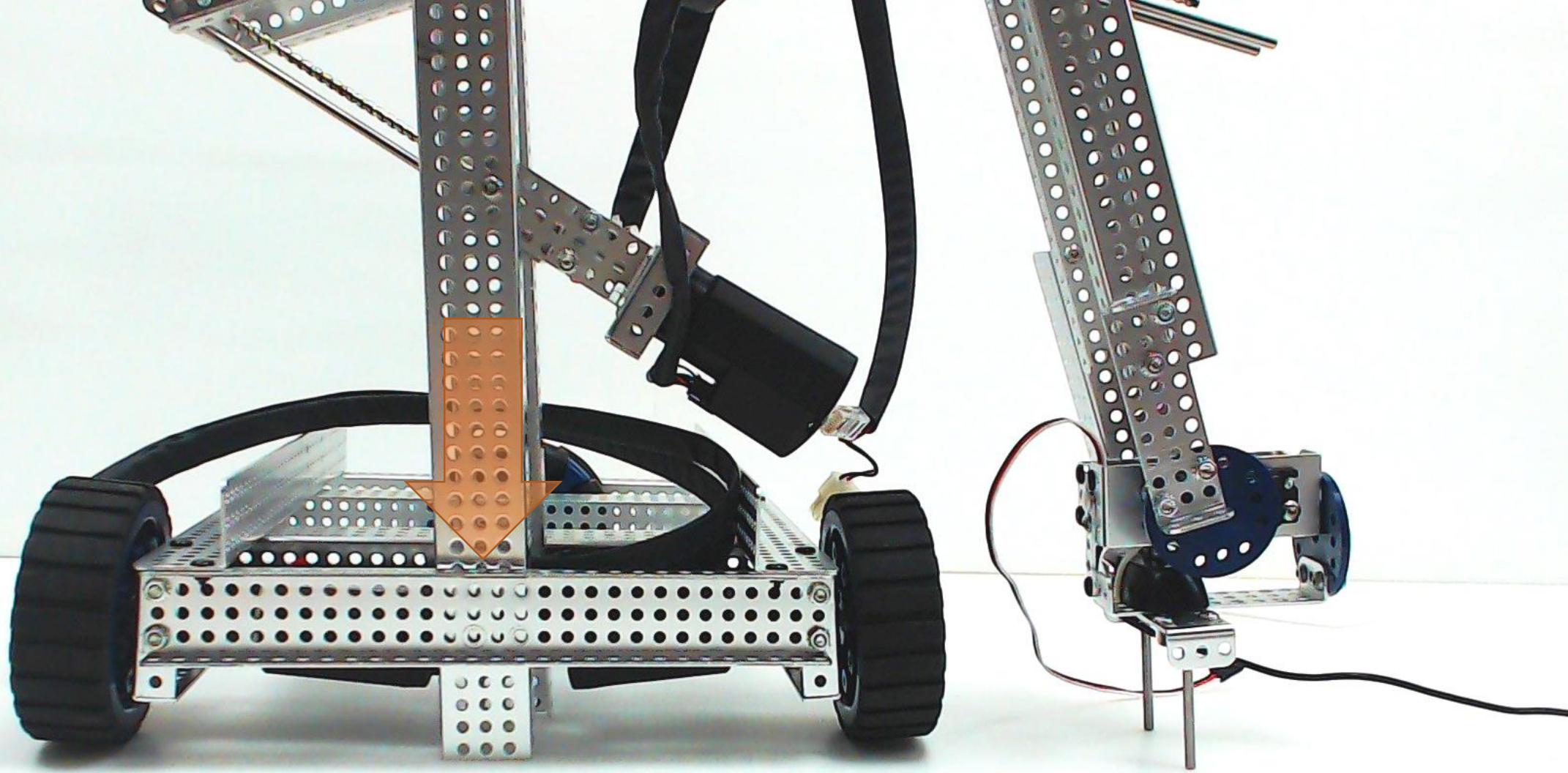


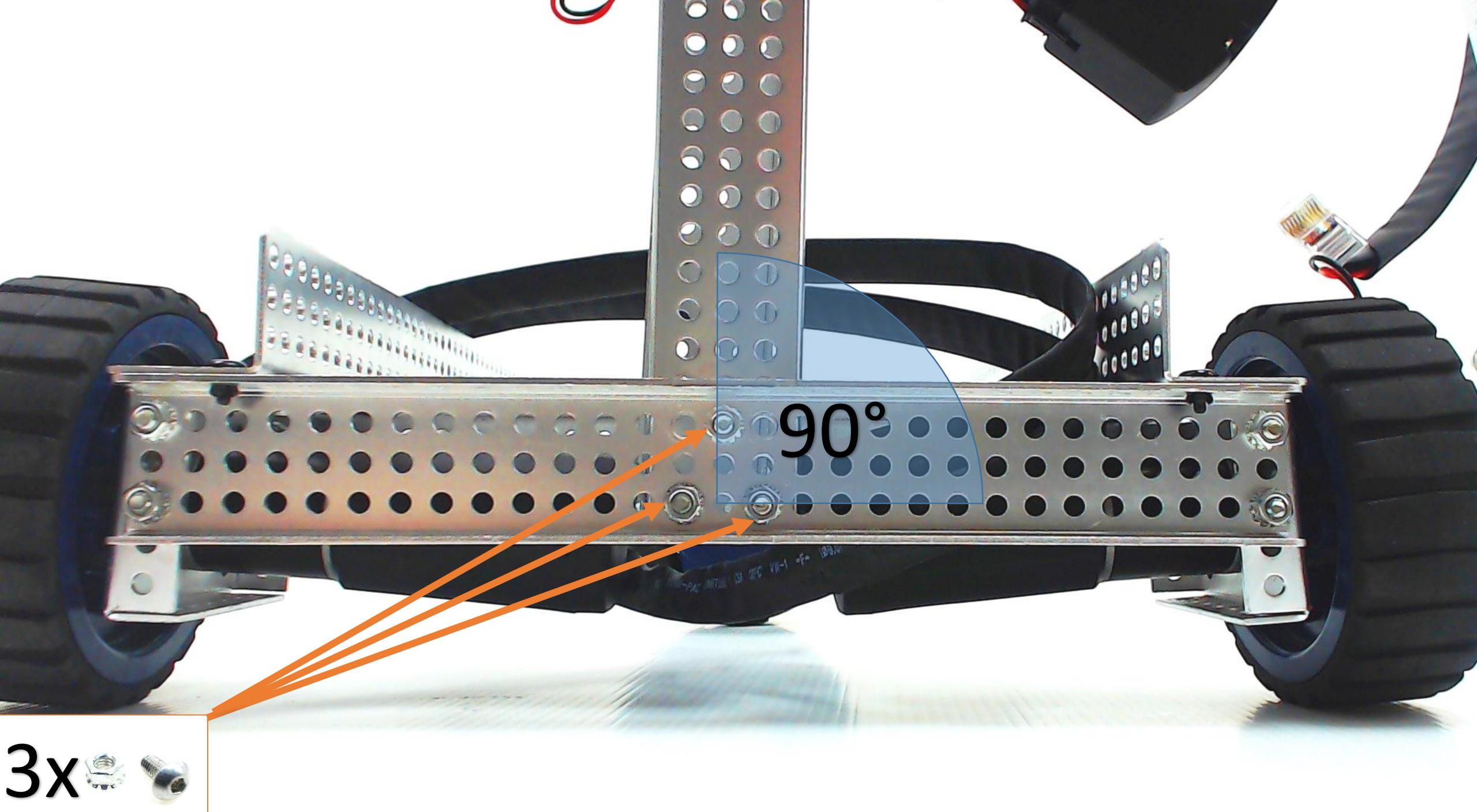
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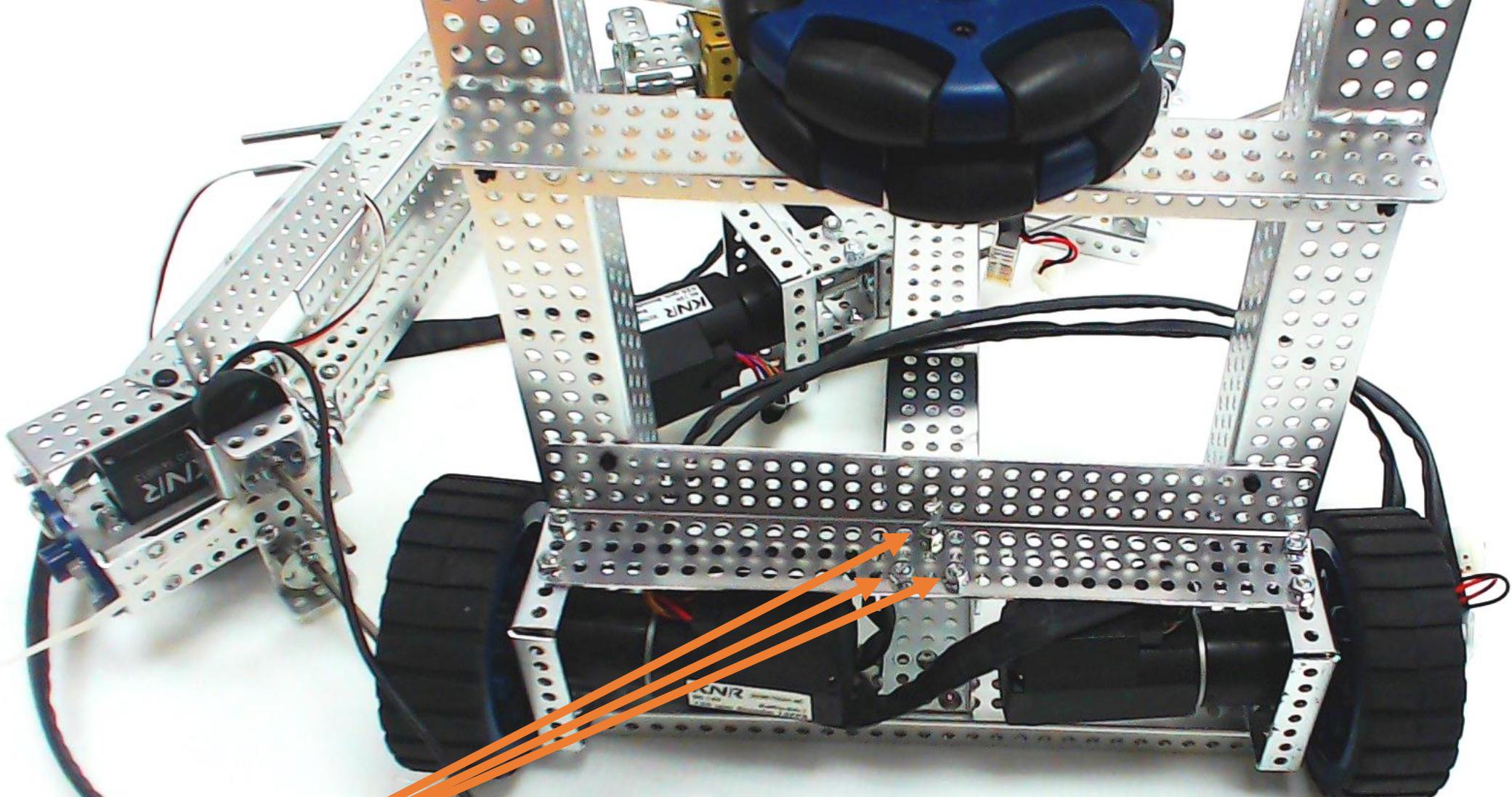




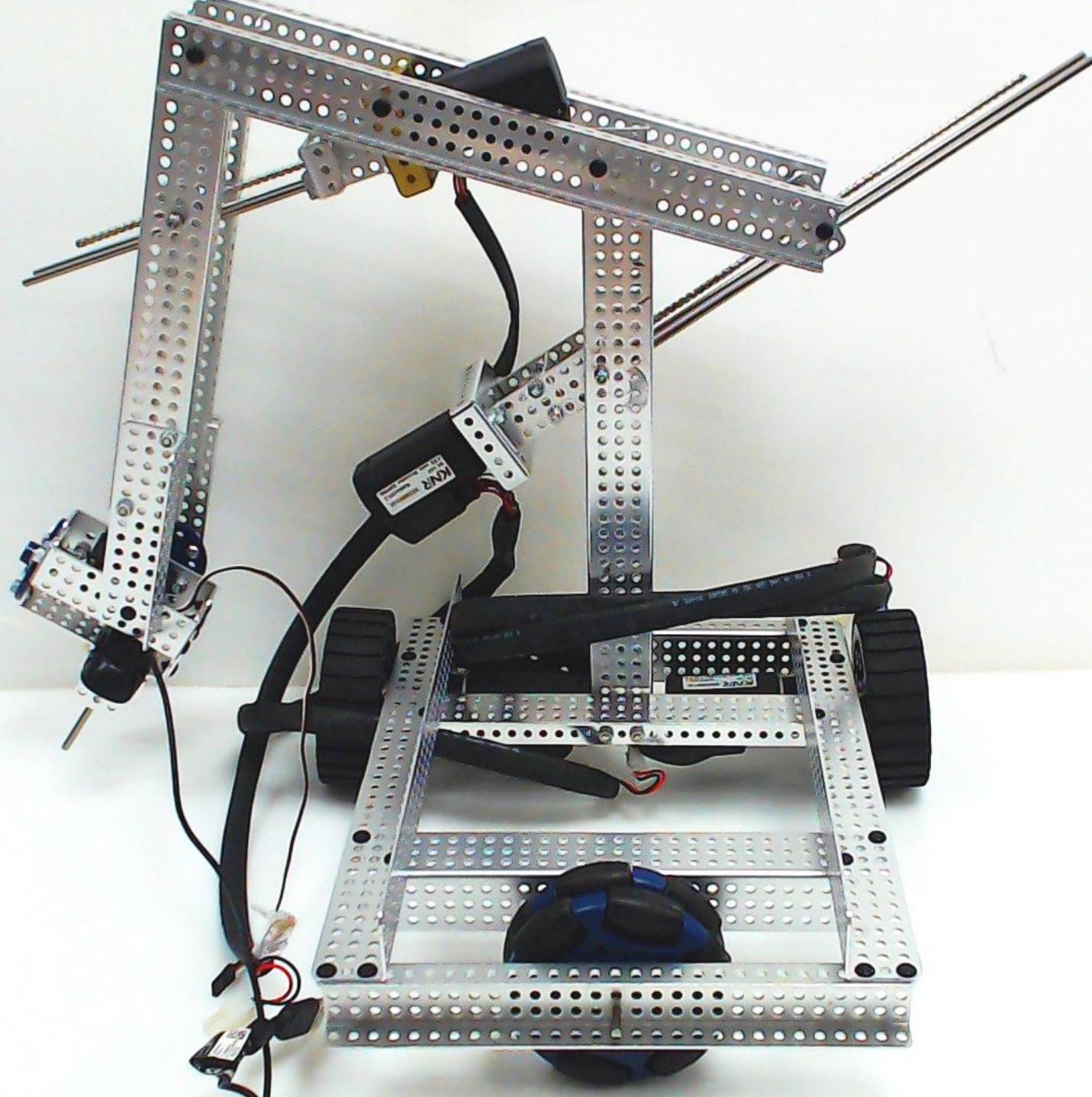
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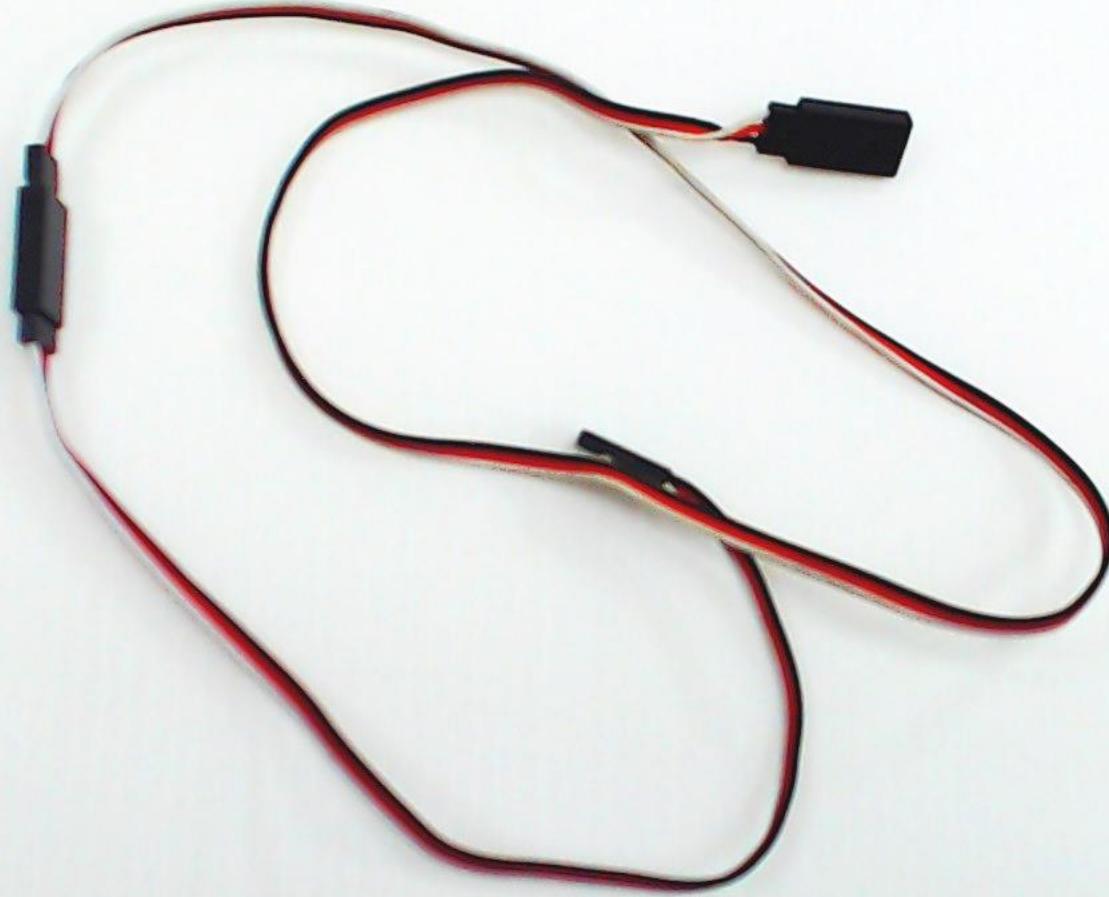


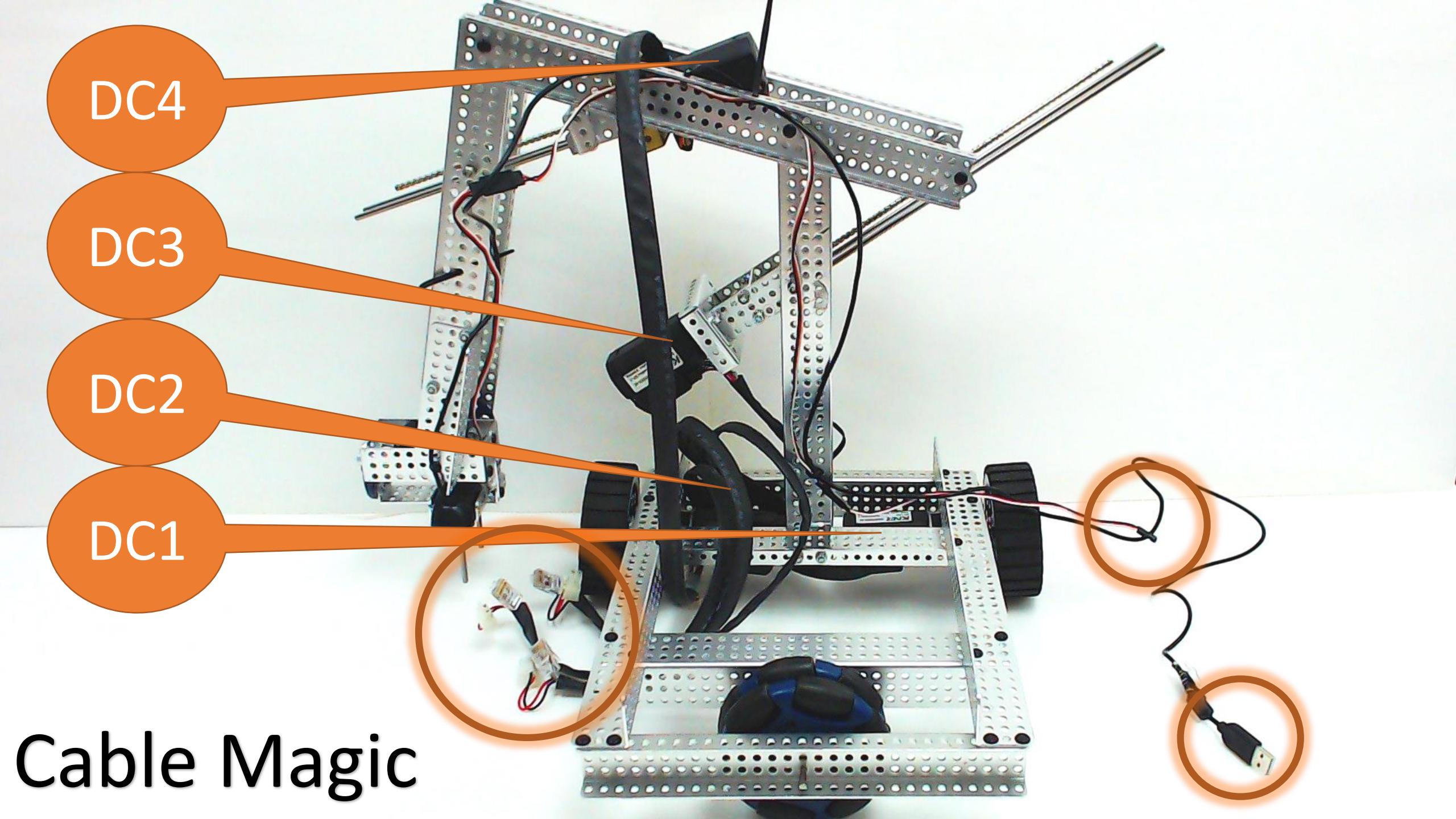




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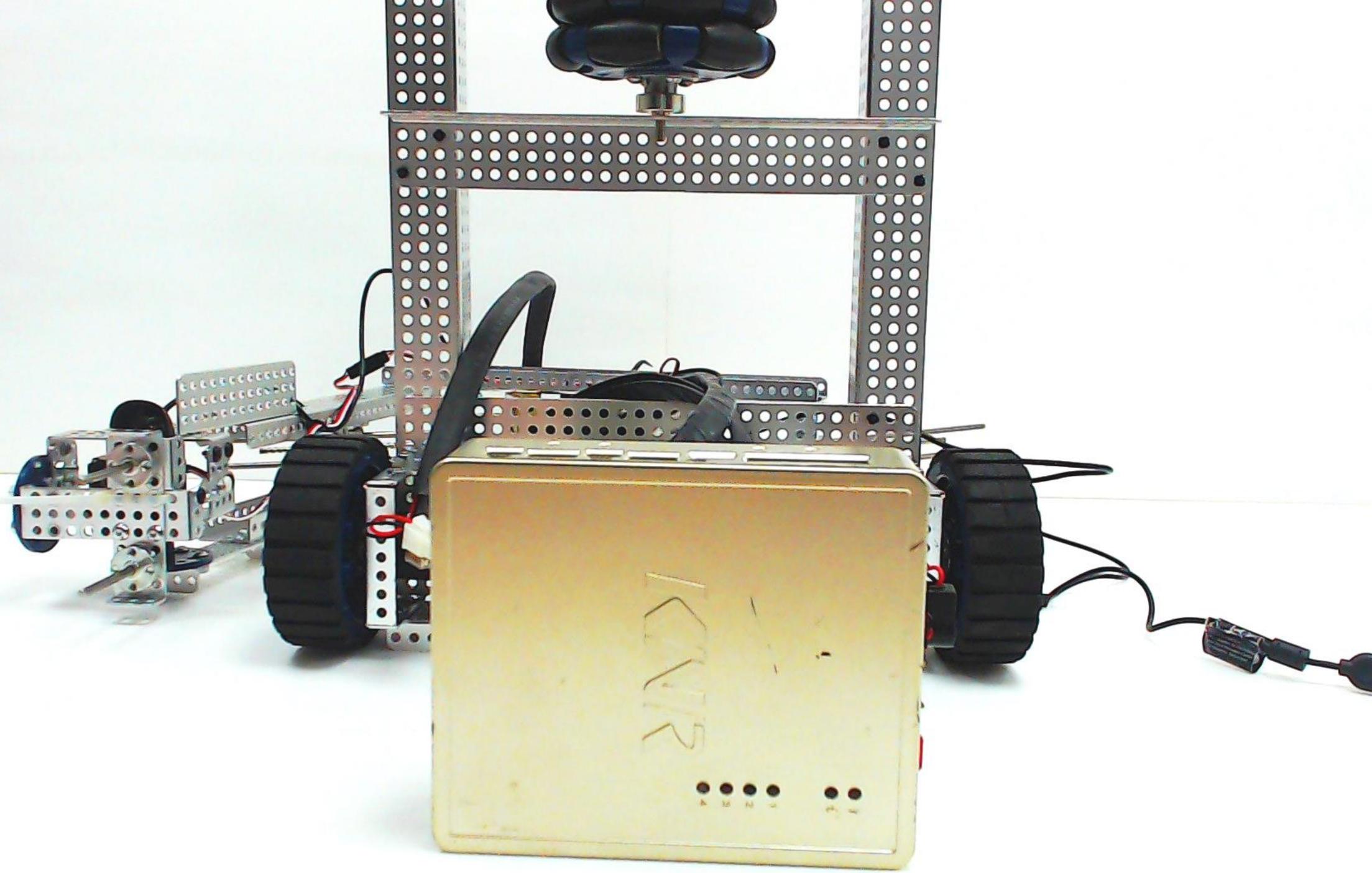
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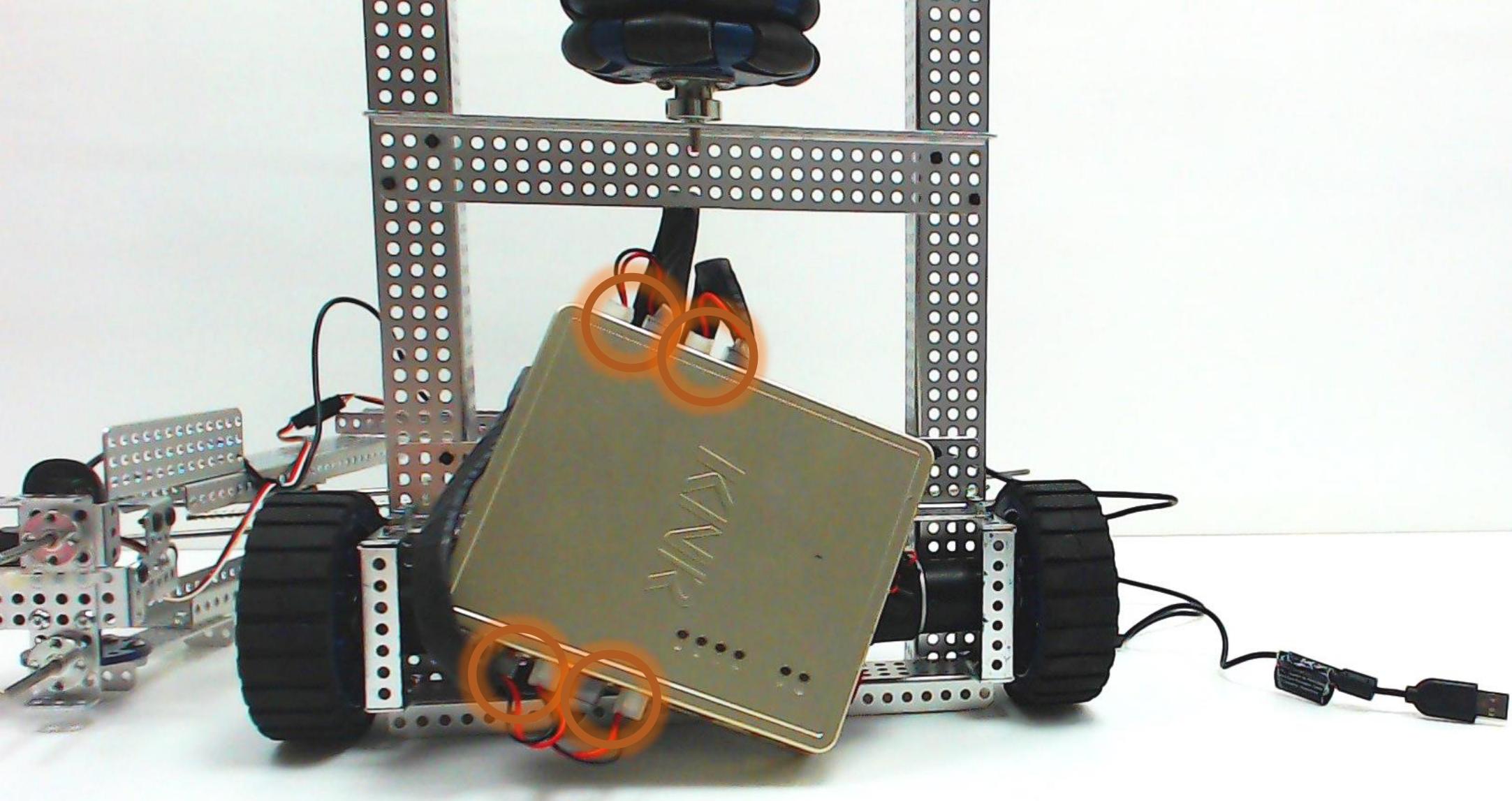
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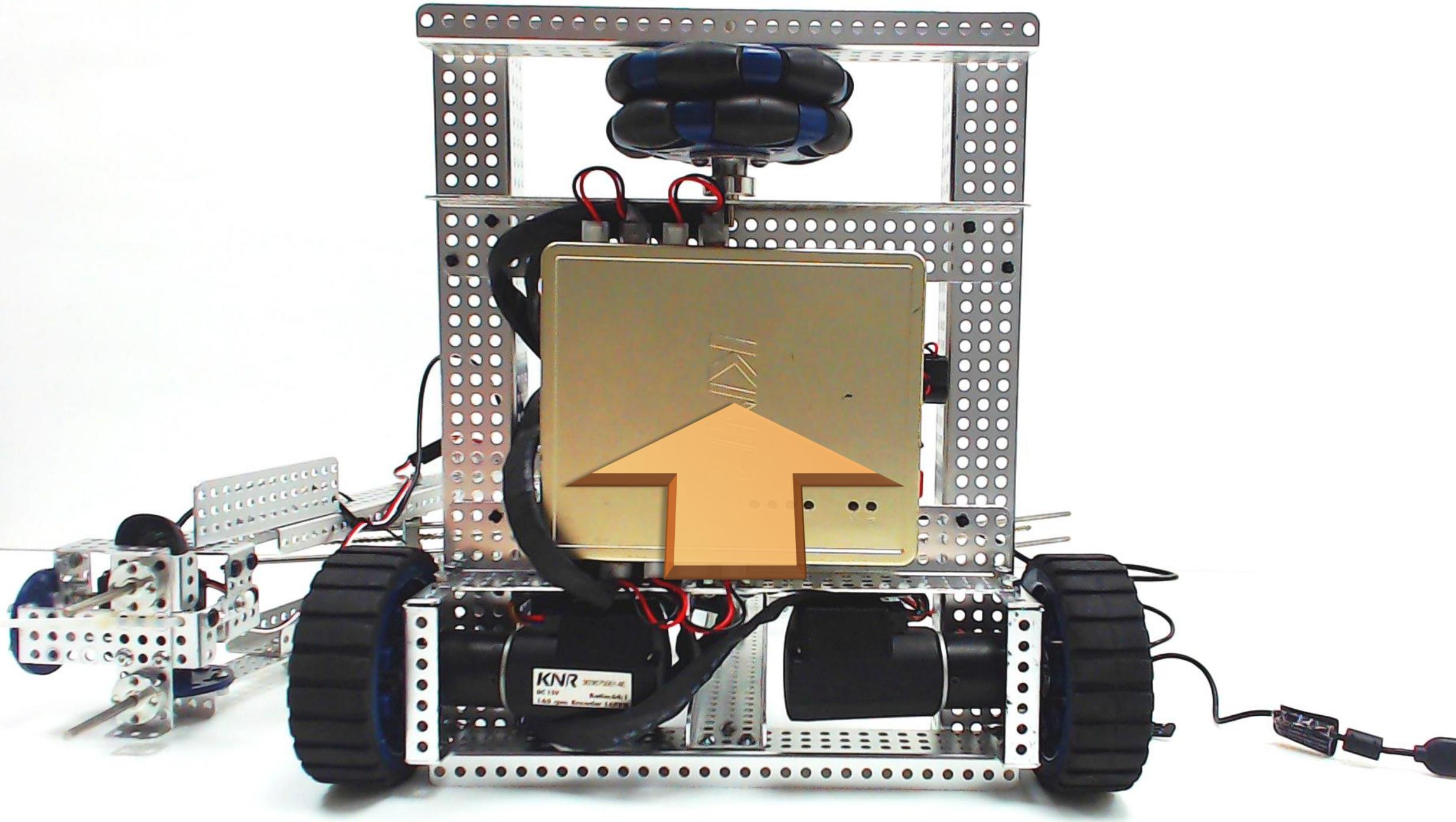
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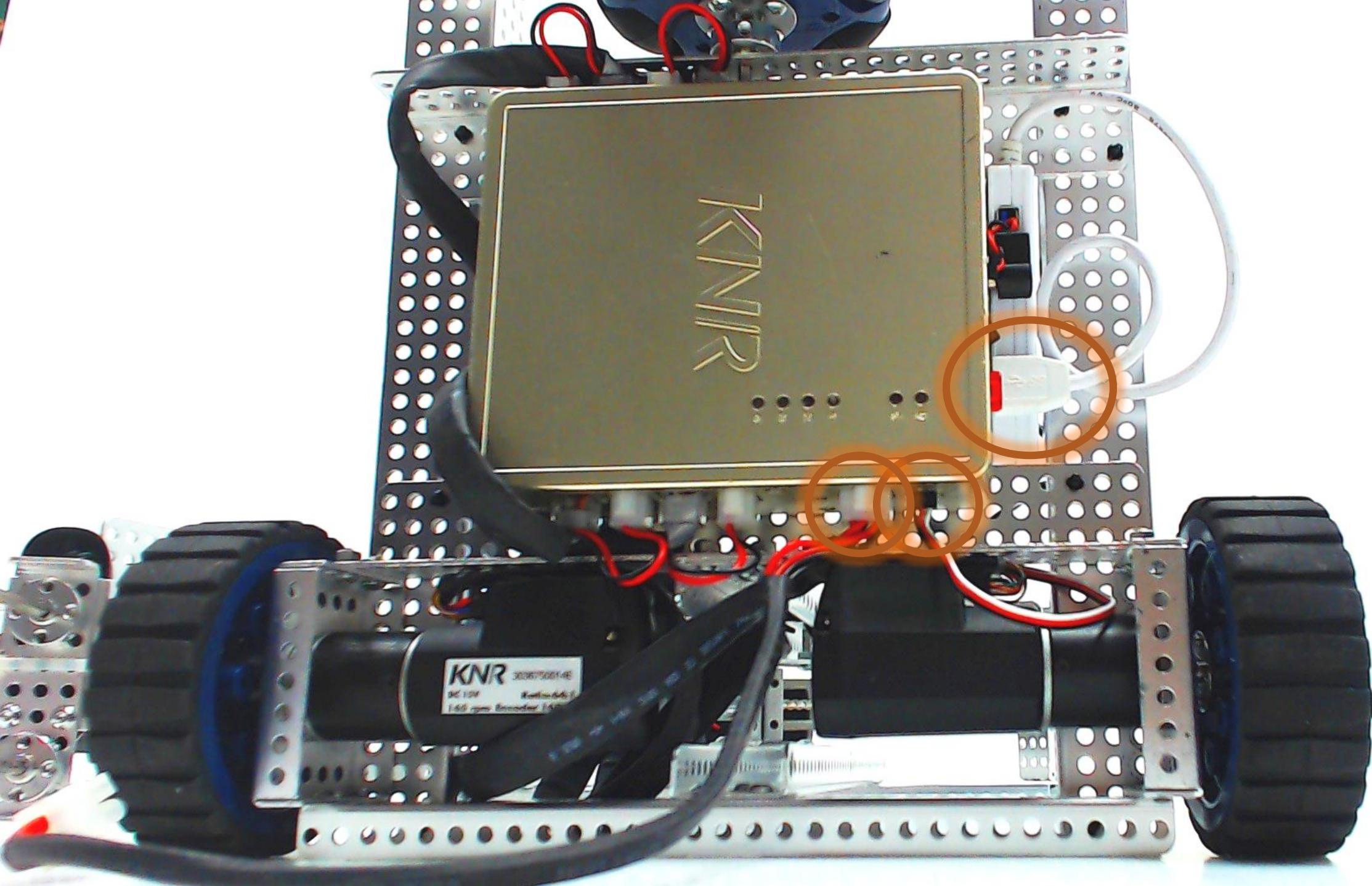
DC1

Cable Magic

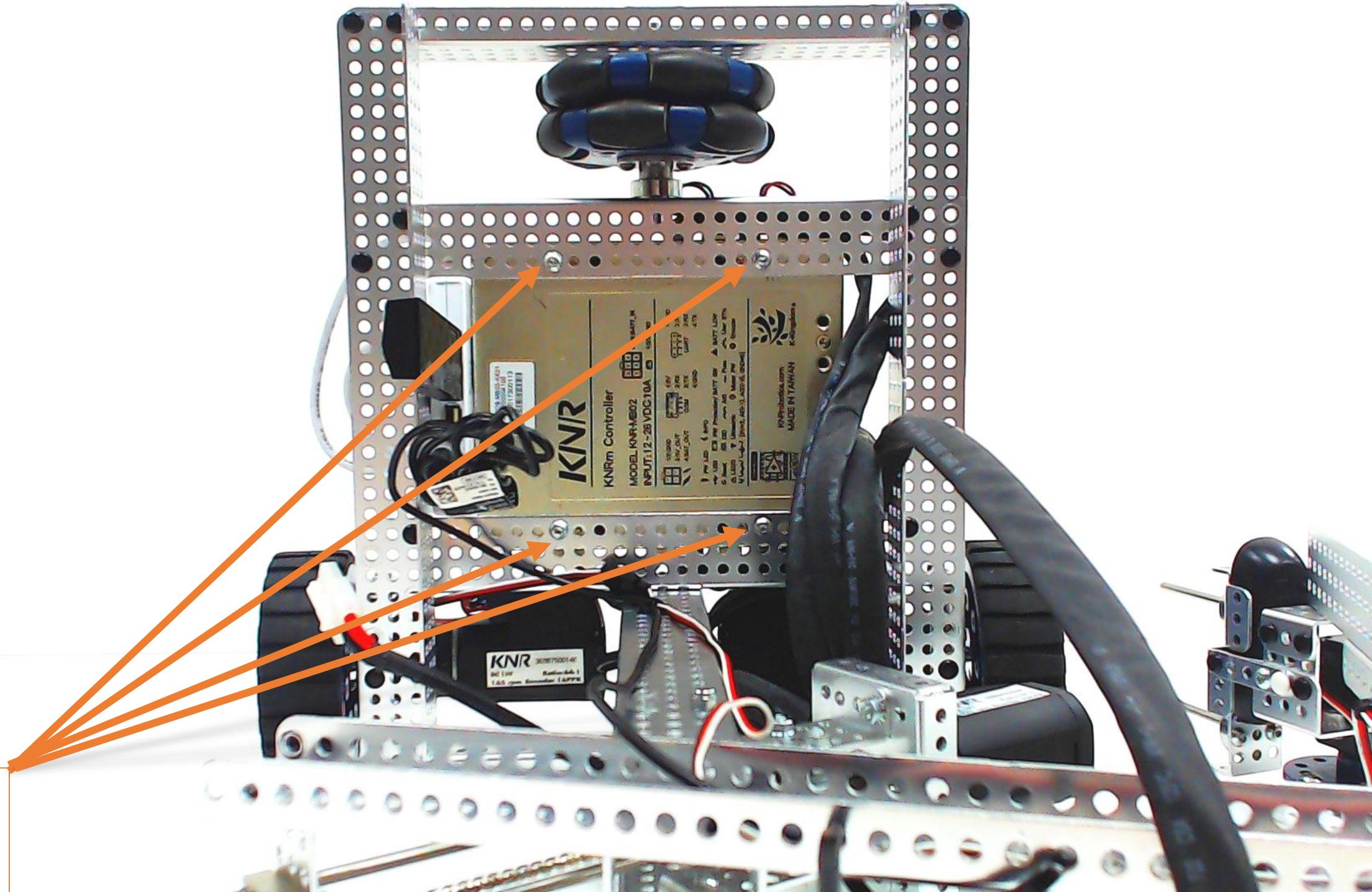


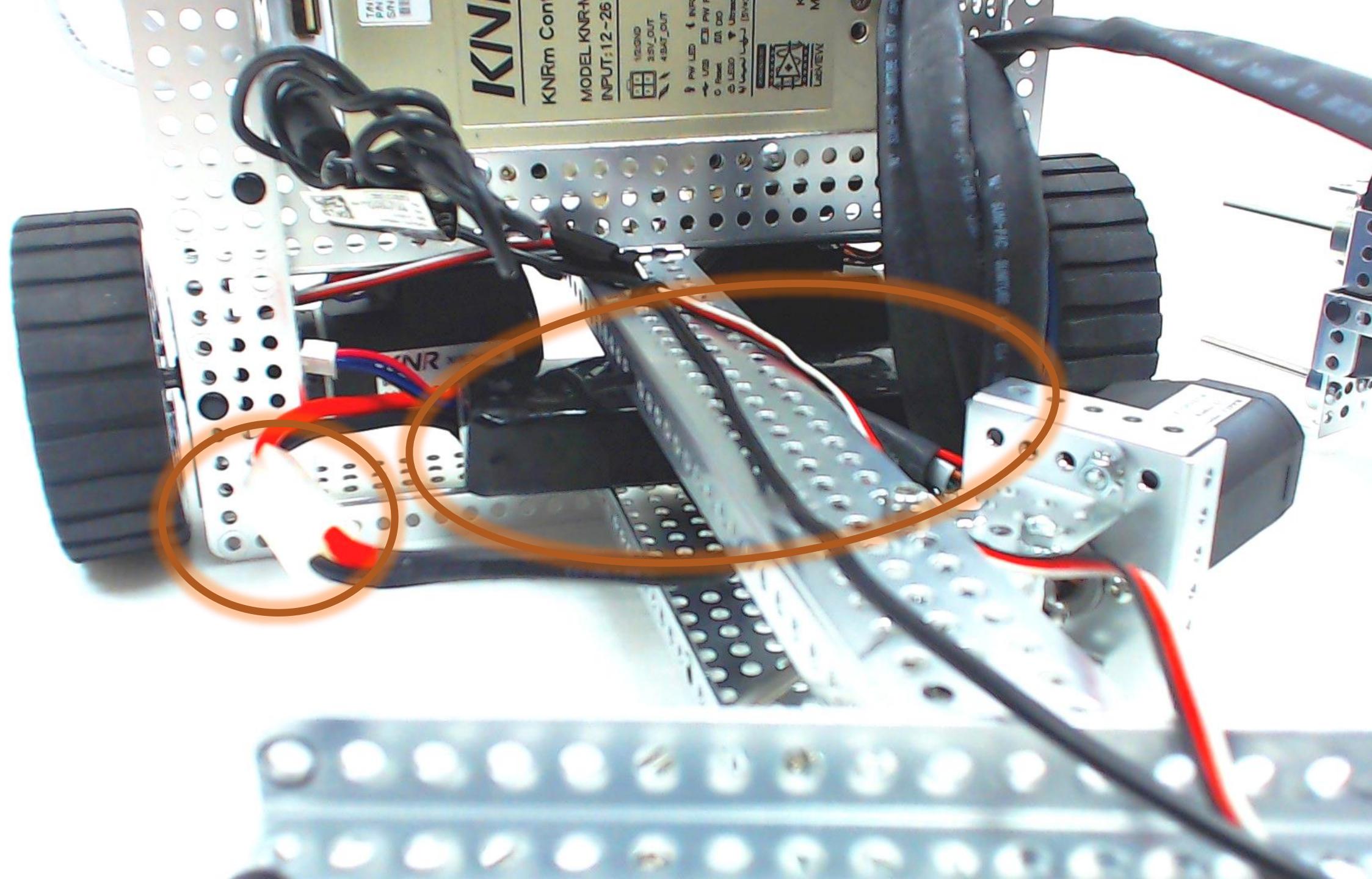


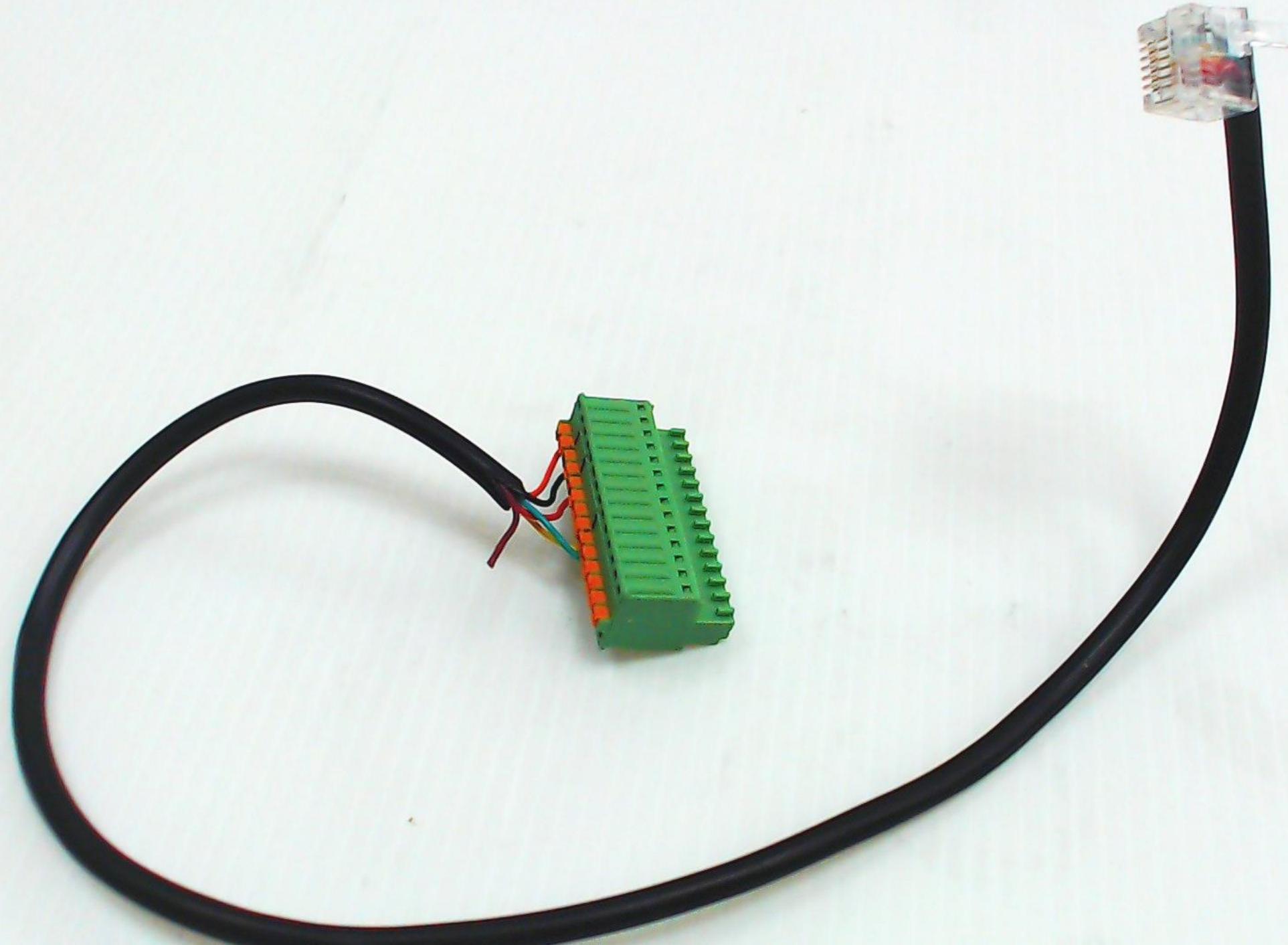




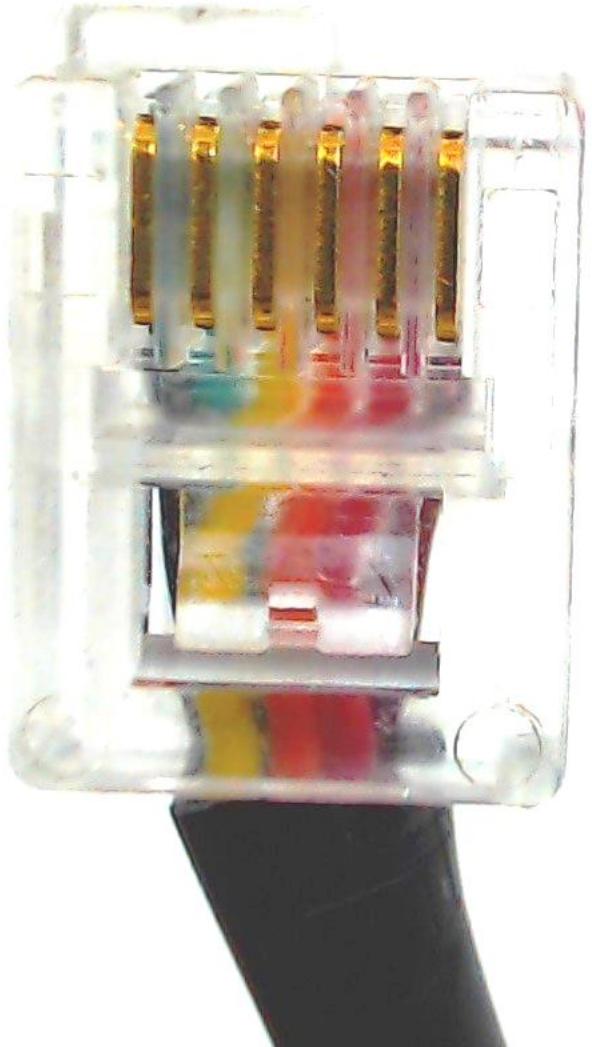
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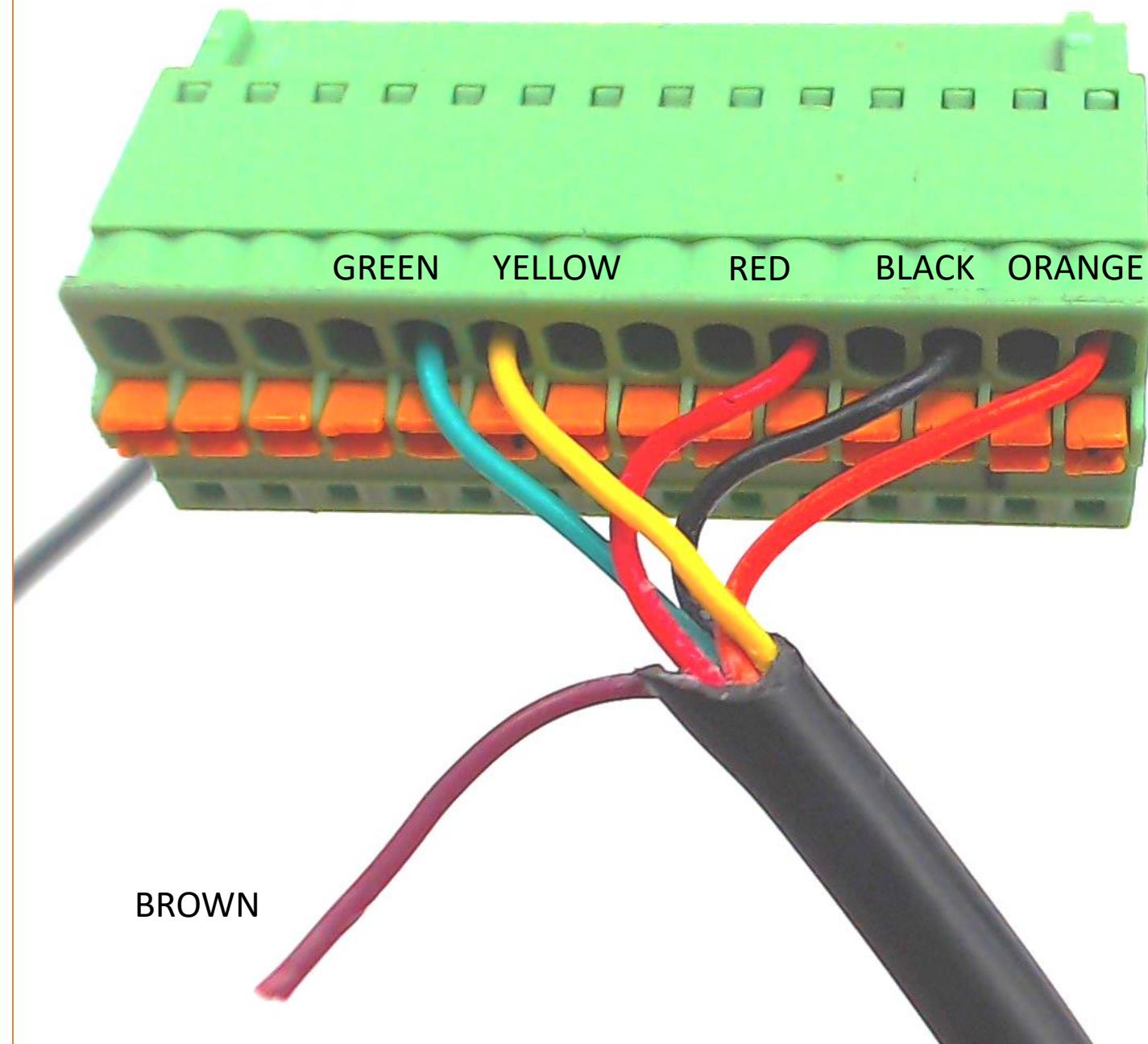


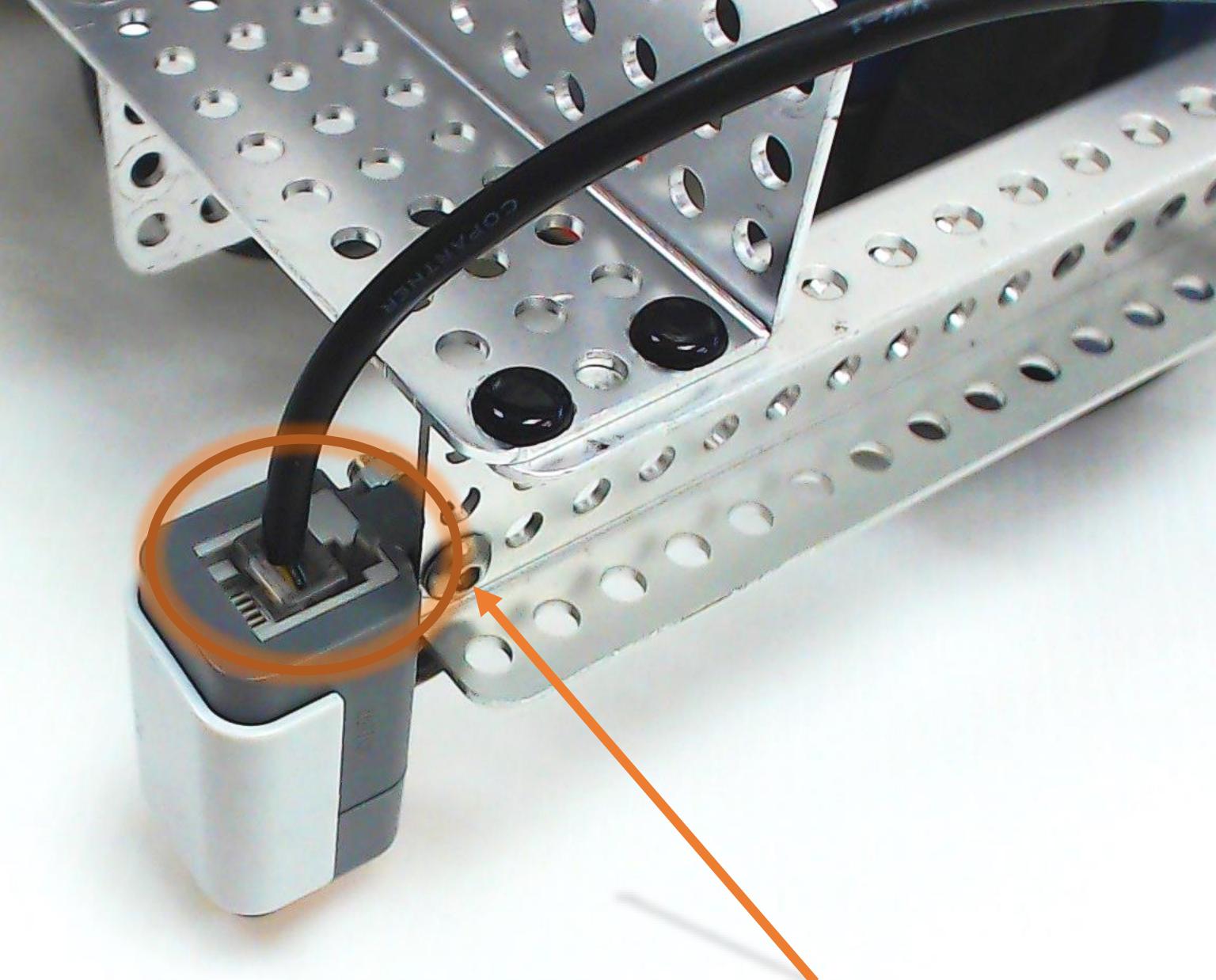


BLACK
GREEN
YELLOW
ORANGE
RED
BROWN



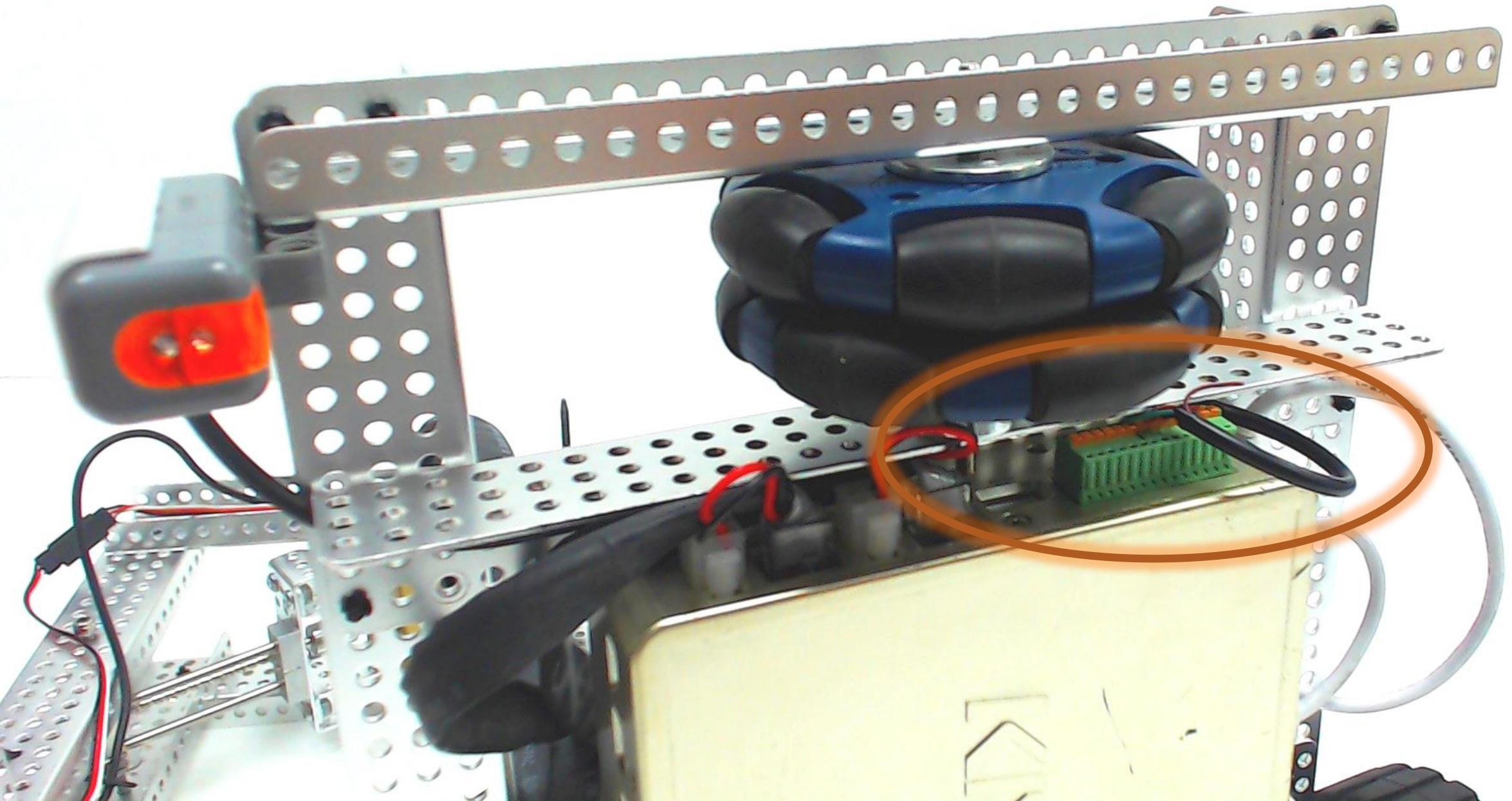
BROWN

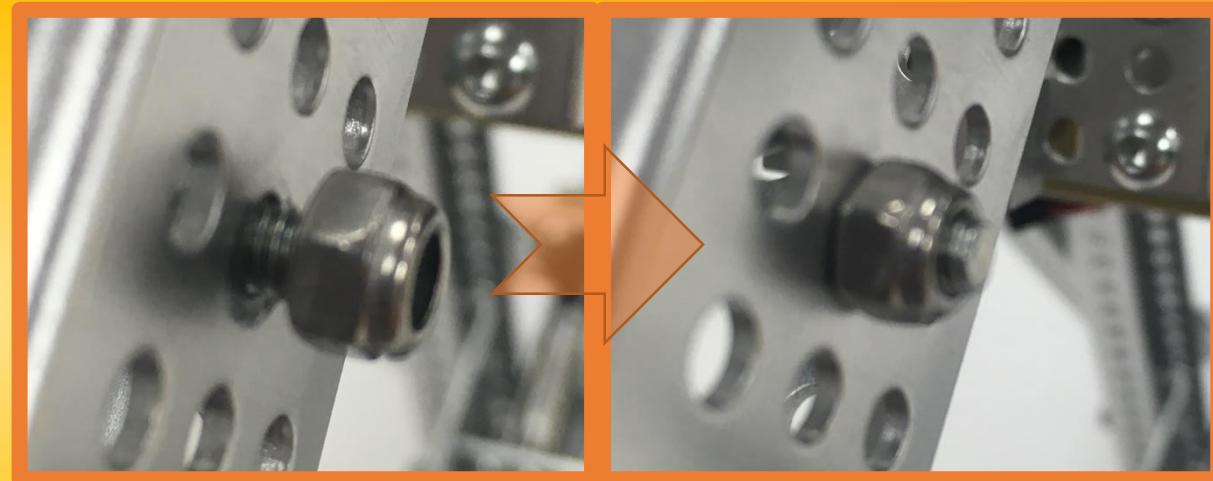
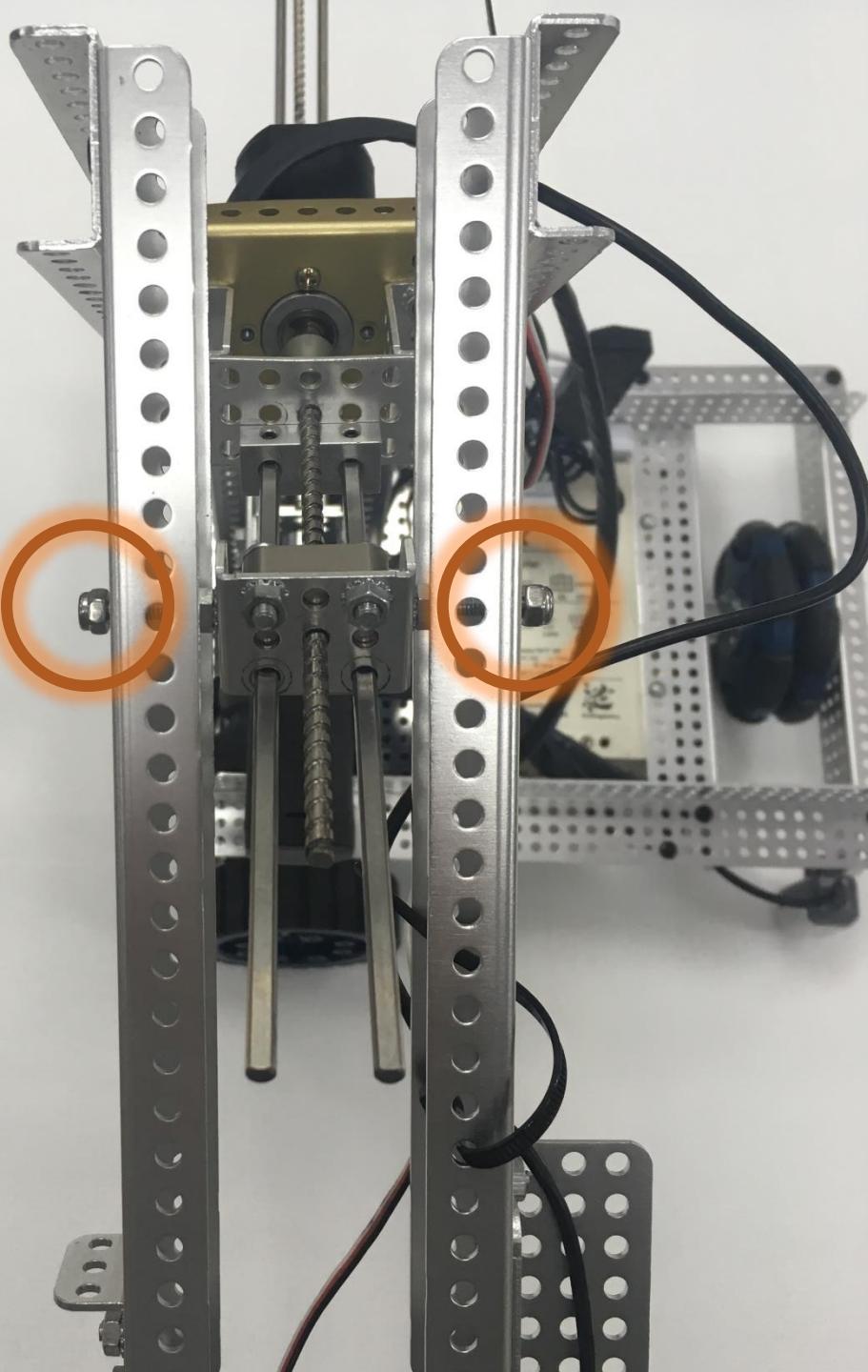


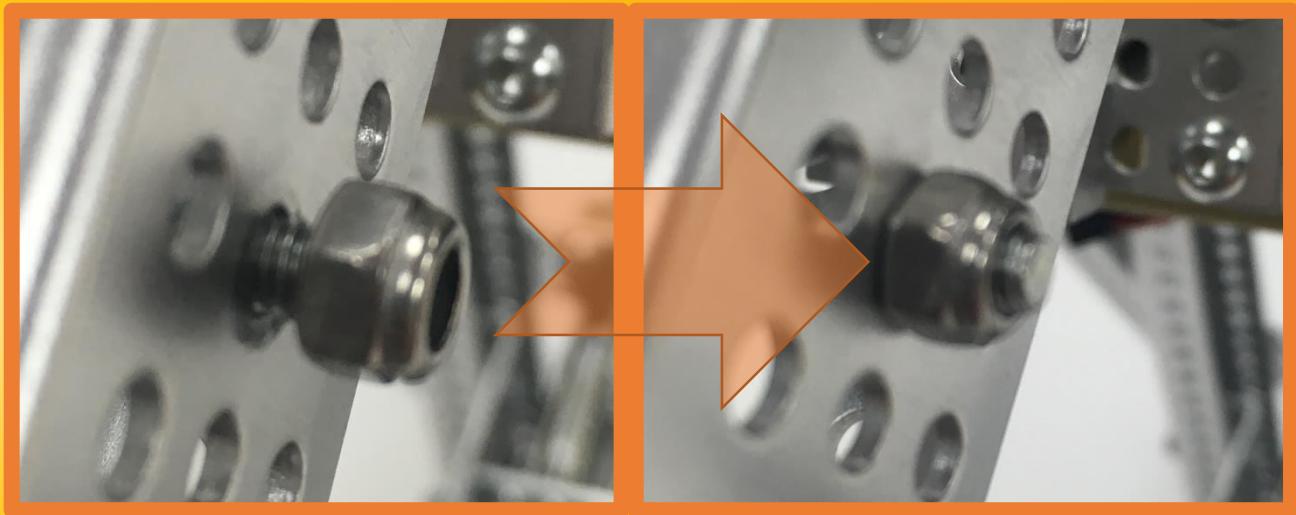
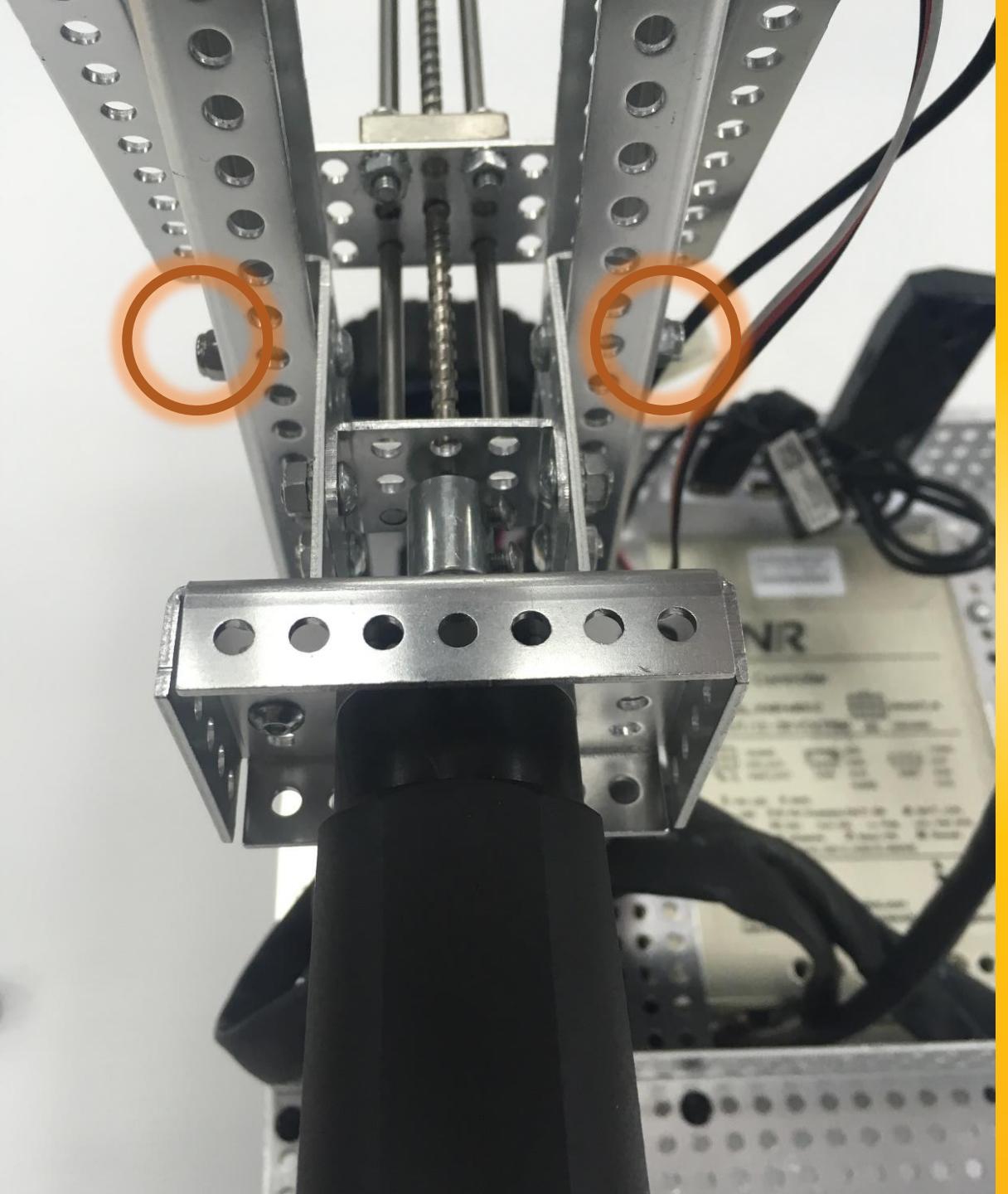


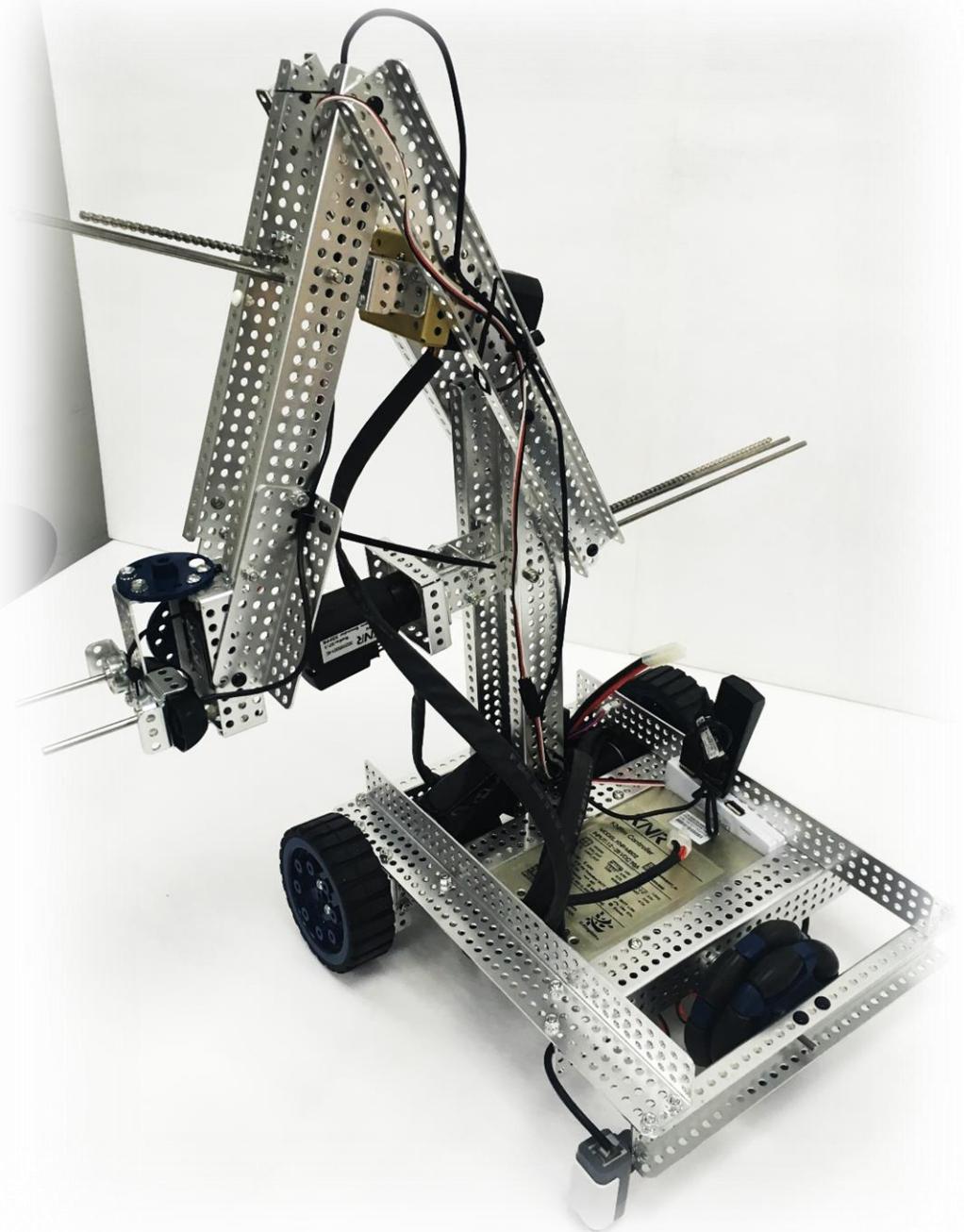
2x













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