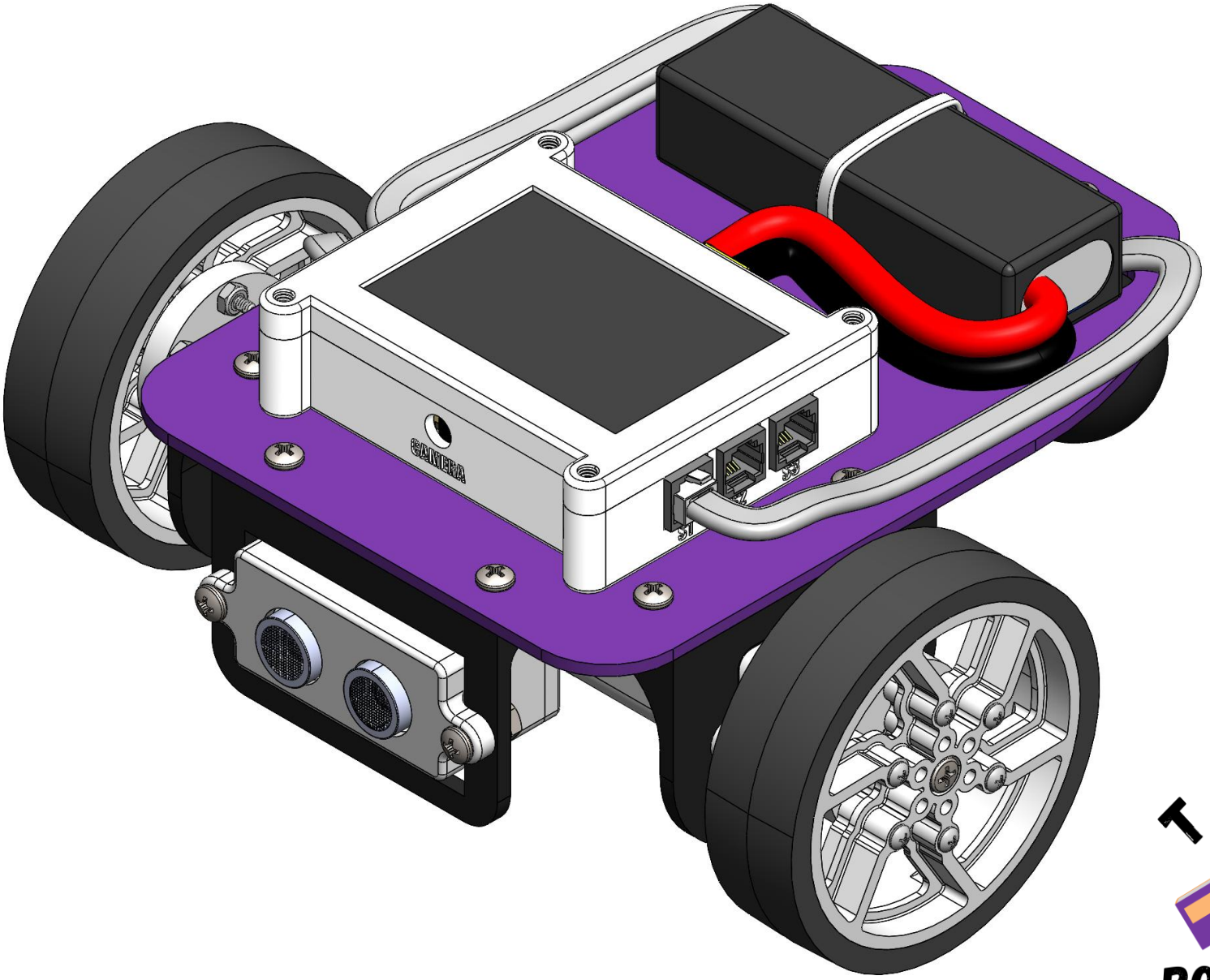
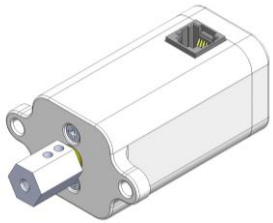
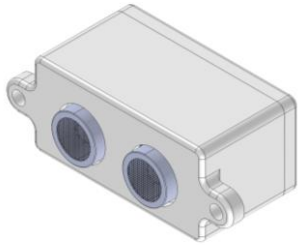
ASSEMBLY INSTRUCTIONS: PILOT

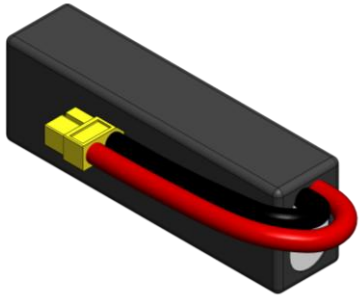


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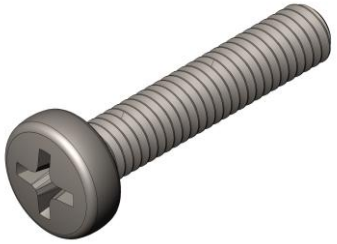
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1	CONTROLLER [C]	
2	USB C CORD [USBC]	
3	MOTOR [M]	
4	ULTRASONIC SENSOR [US]	

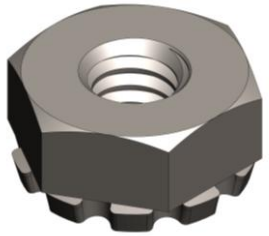
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5	WIRE [WR]	
6	BATTERY [B]	
7	BATTERY CHARGER [BC]	
8	SCREWDRIVER [SD]	

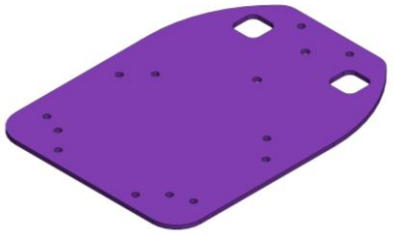
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9	OPEN WRENCH [OW]	
10	ALLEN KEY [AK]	
11	8-32 0.5" PHILIPS SCREW [S1]	
12	M4 SCREW 20MM [S2]	

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13	8-32 STAR NUT [N1]	
14	BACK PEG [PG]	
15	MOTOR MOUNT [MM]	
16	ULTRASONIC MOUNT [UM]	

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17	BASE PLATE [BP]	
18	ZIP TIE [ZT]	
19	TRACTION WHEEL [TT]	

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[BP] x1



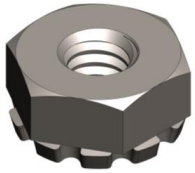
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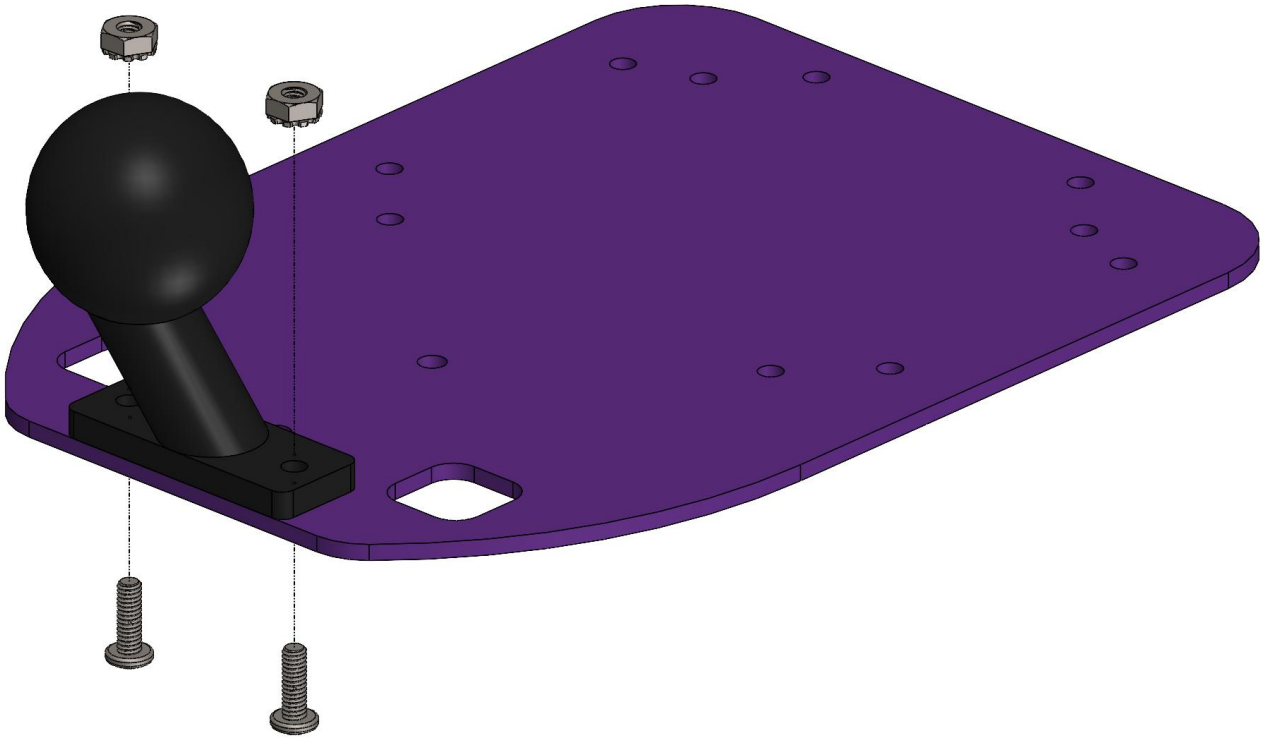
[S1] x2



[N1] x2



1



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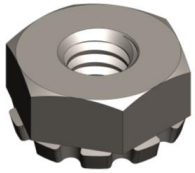
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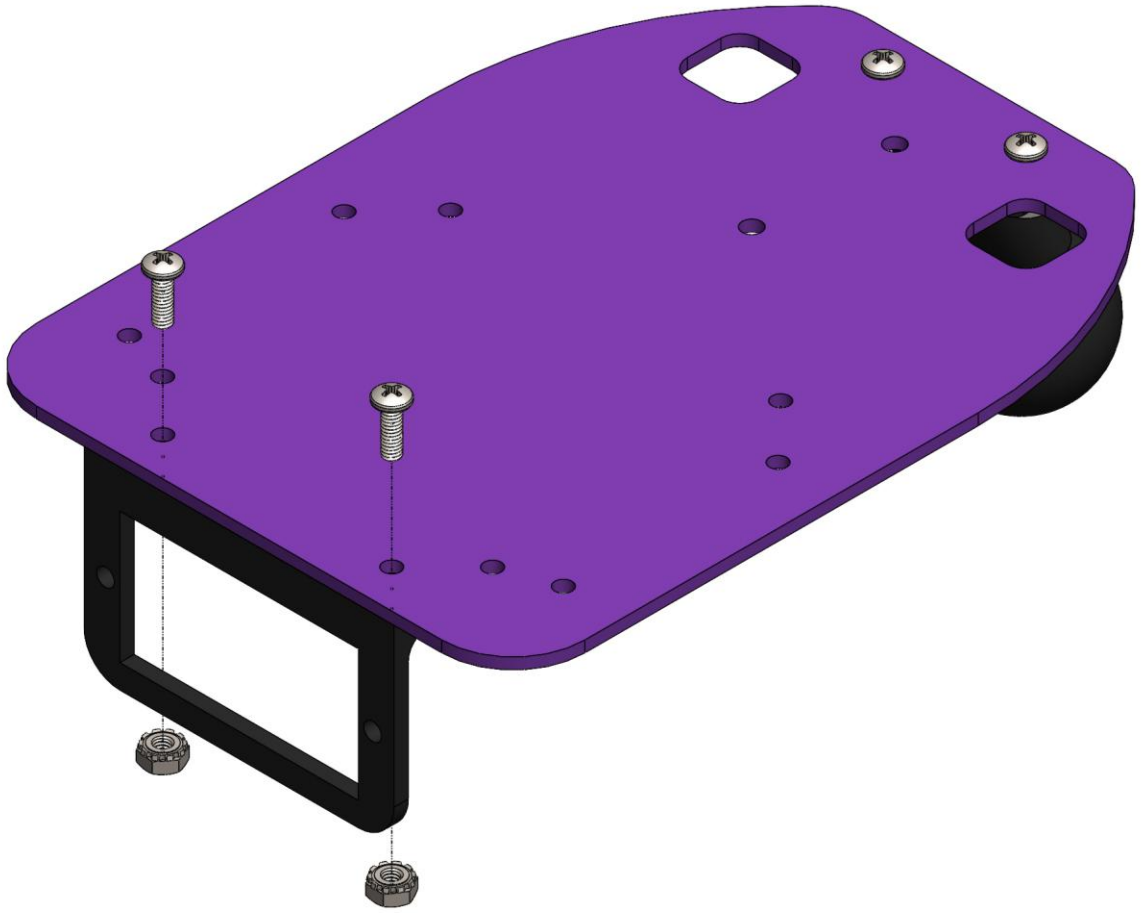


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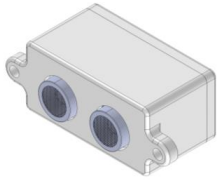
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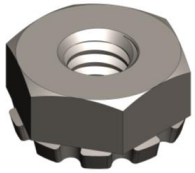
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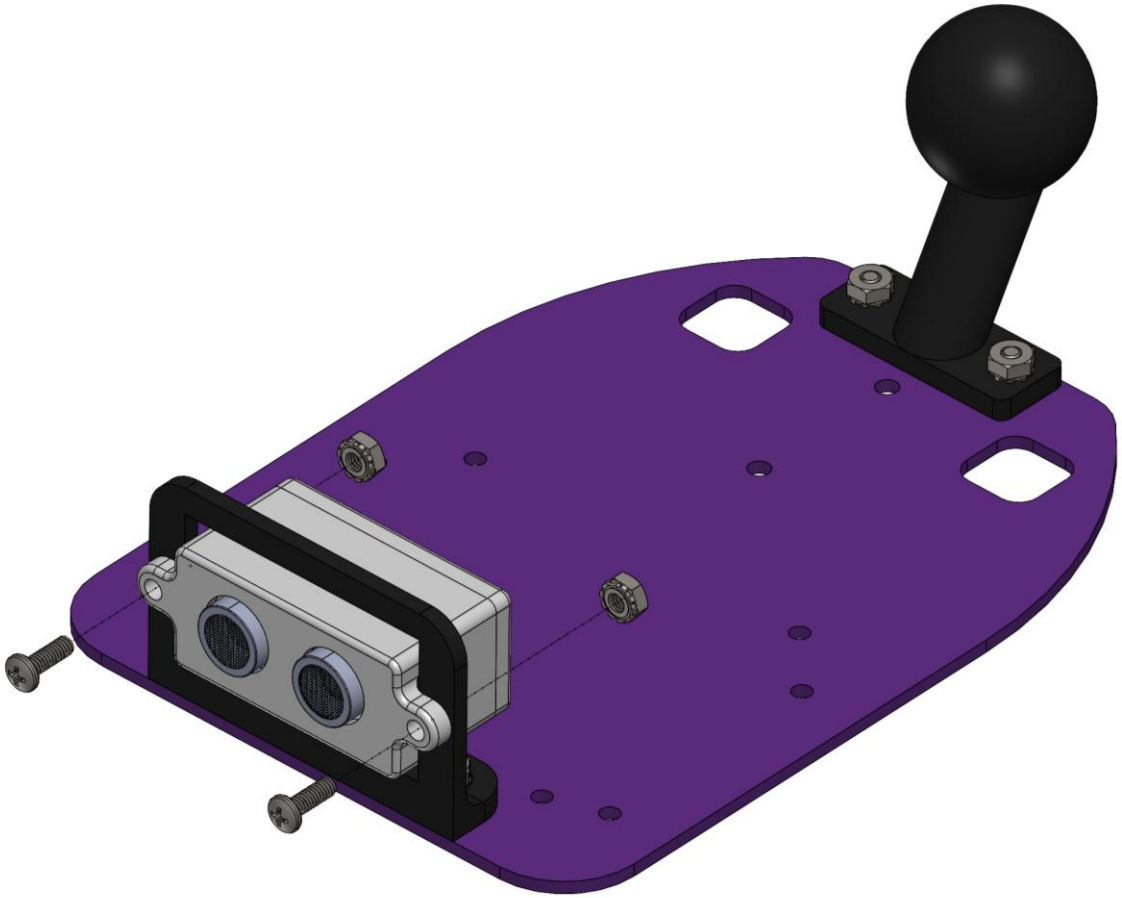


[S1] x2



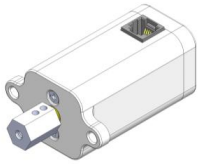
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[M]

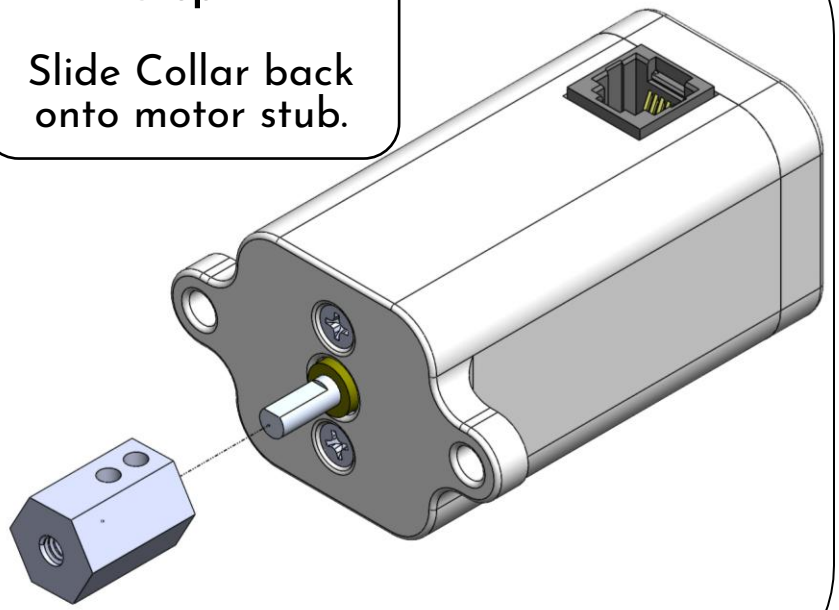


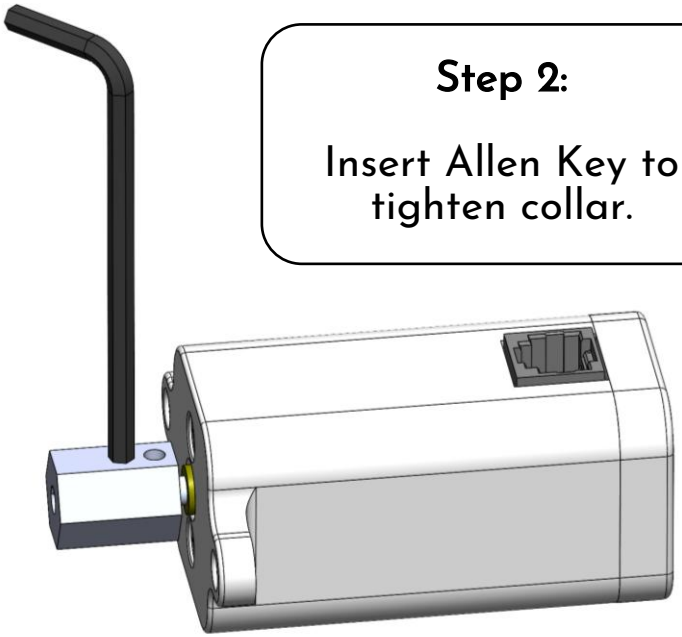
x2

4

Step 1:

Slide Collar back onto motor stub.





Step 2:

Insert Allen Key to tighten collar.

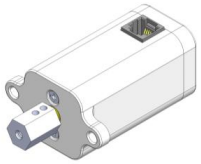
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5

[MM] x1



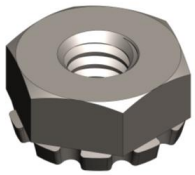
[M] x1

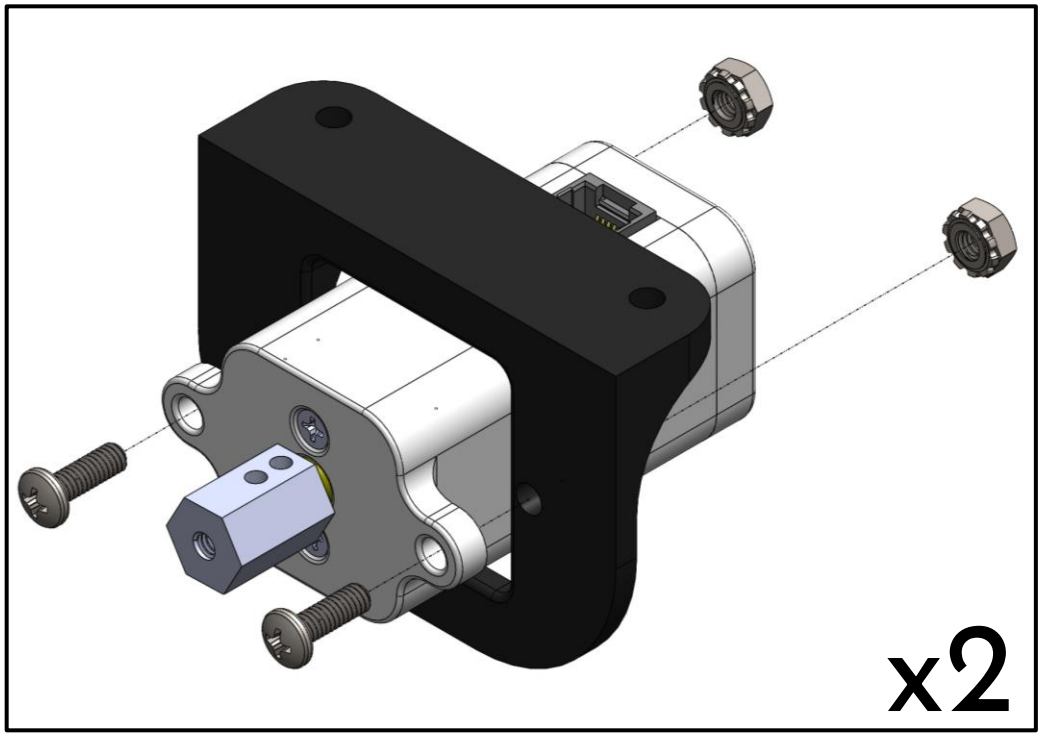


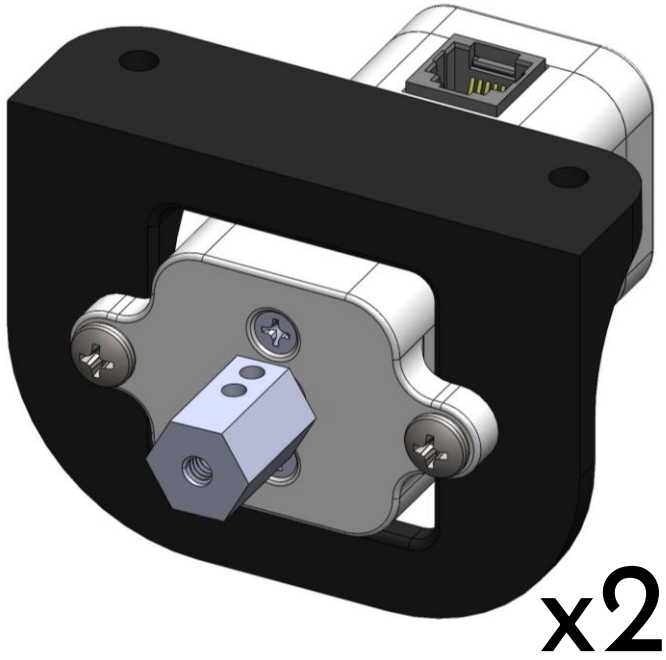
[S1] x2



[N1] x2







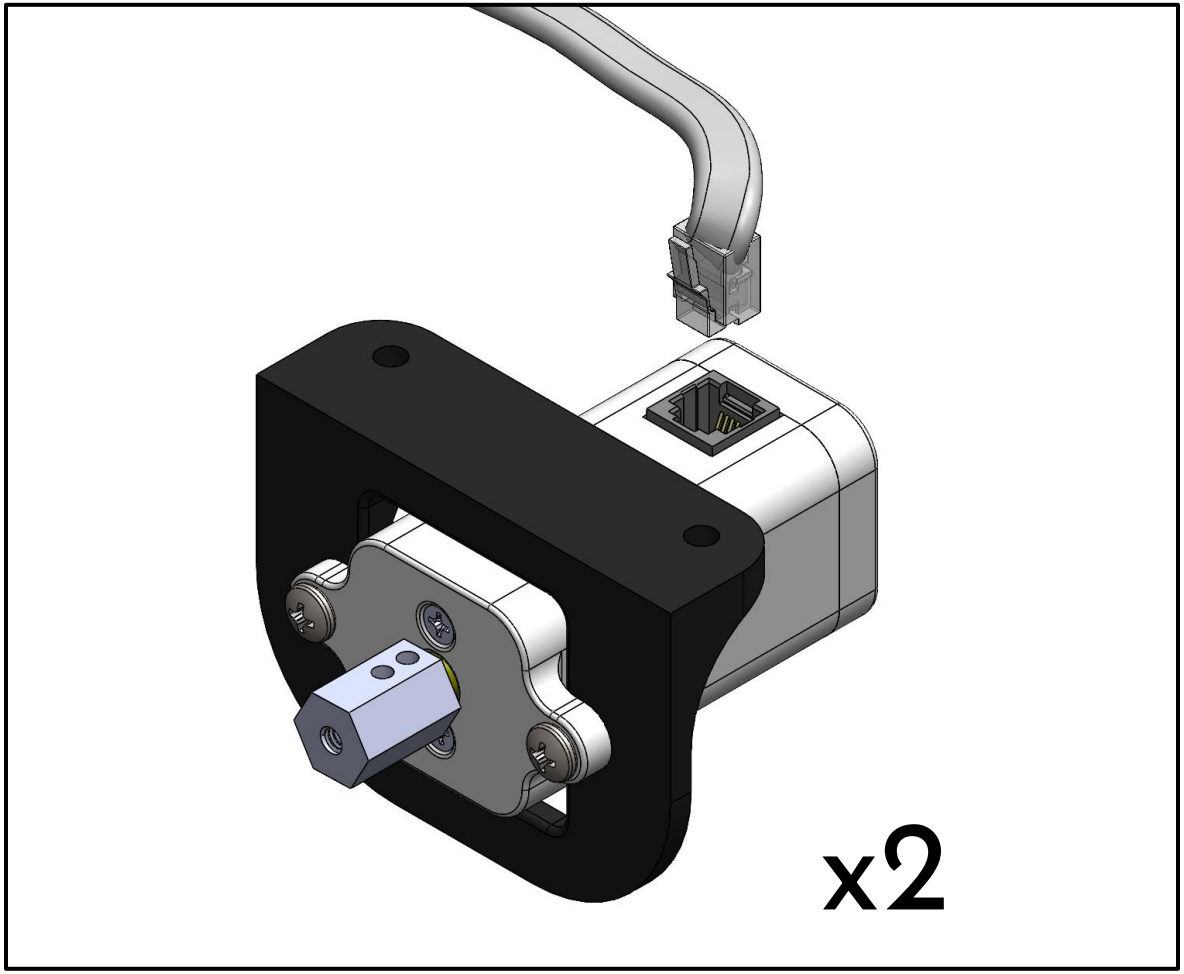
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[WR]



x2

6

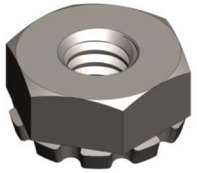


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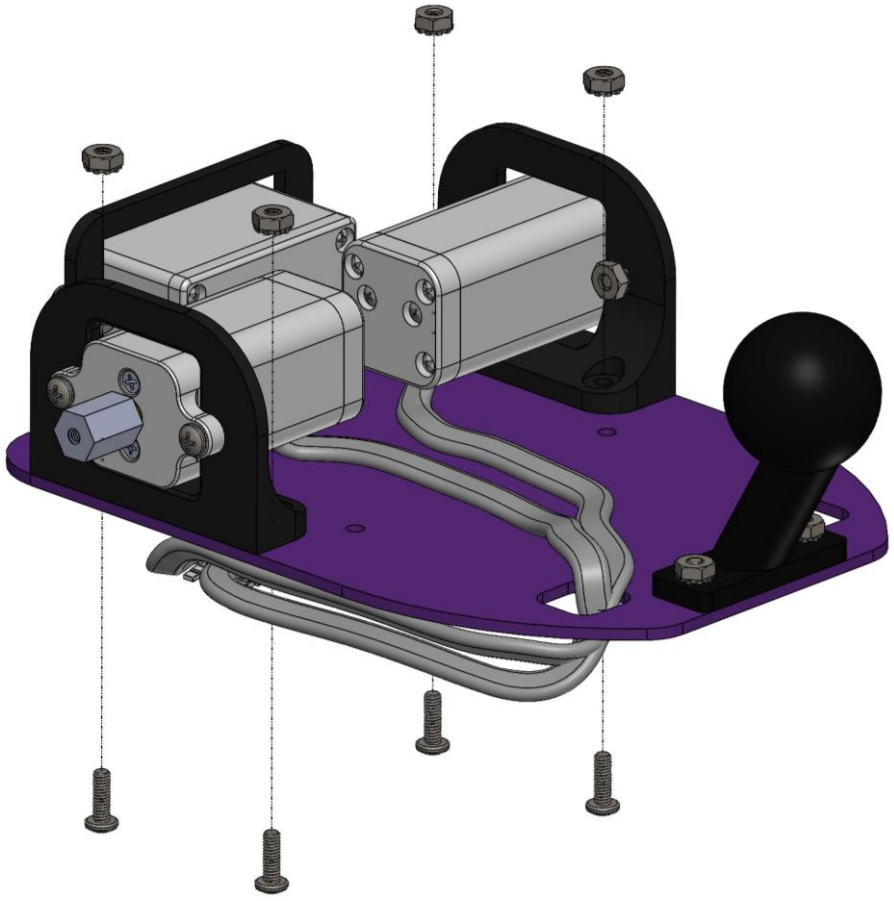
[S1] x4



[N1] x4



7



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[C]



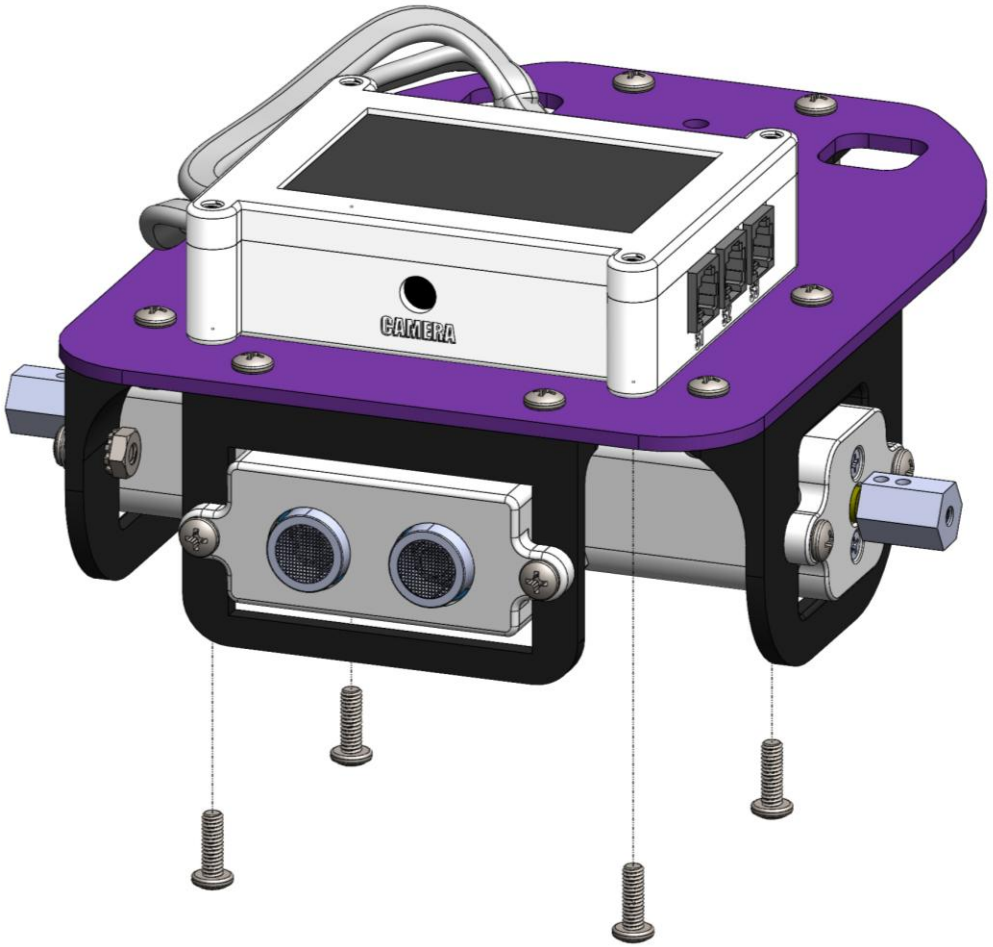
x1

[S1]



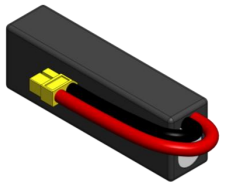
x4

8



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[B]



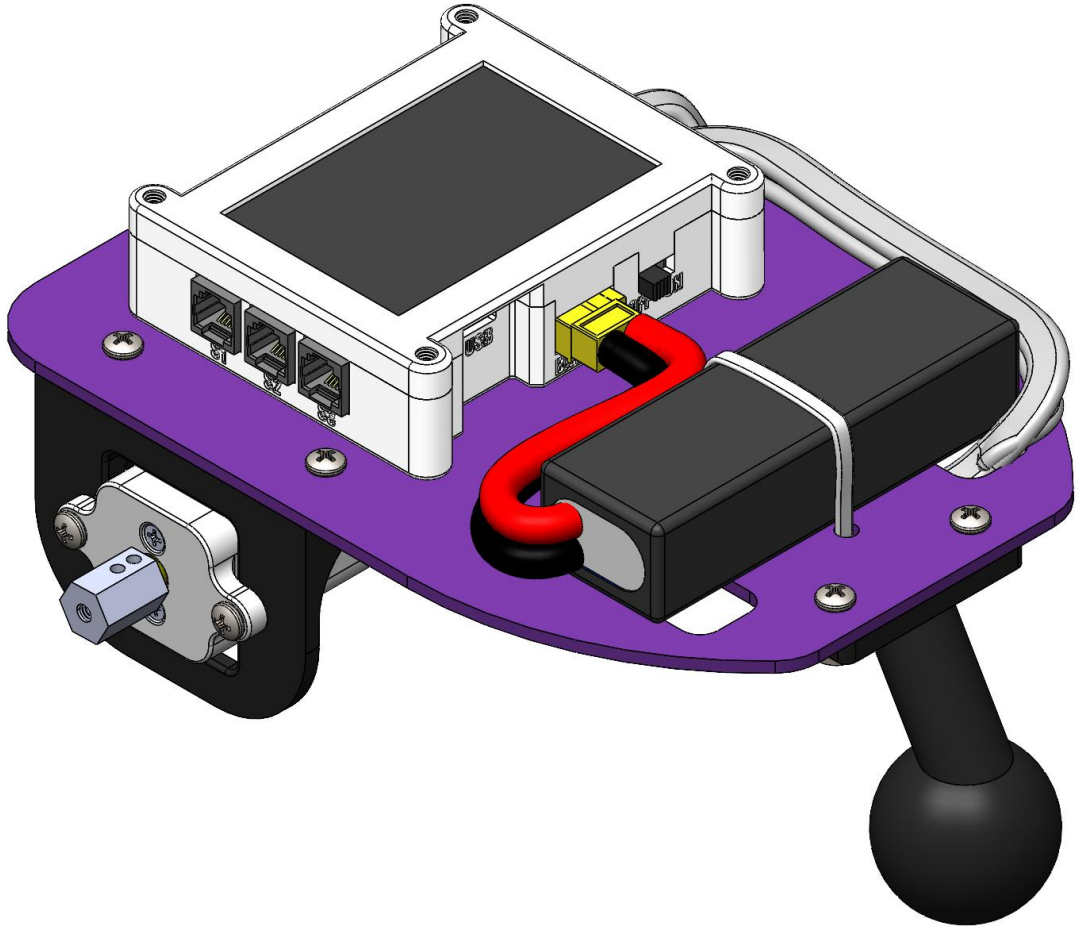
x1

[ZT]



x1

9

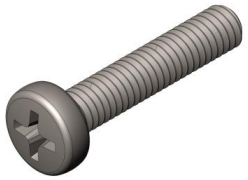


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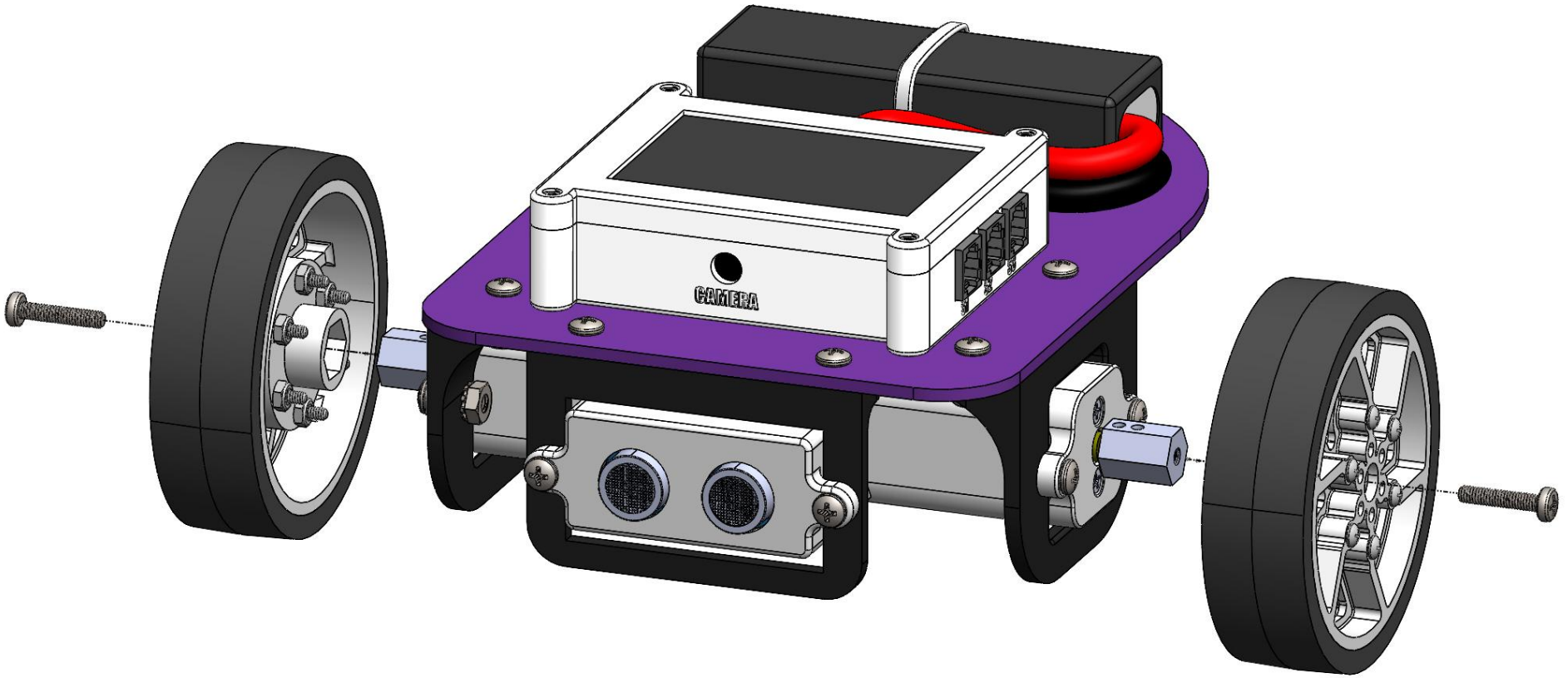
[TT] x2



[S2] x2



10



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[WR]

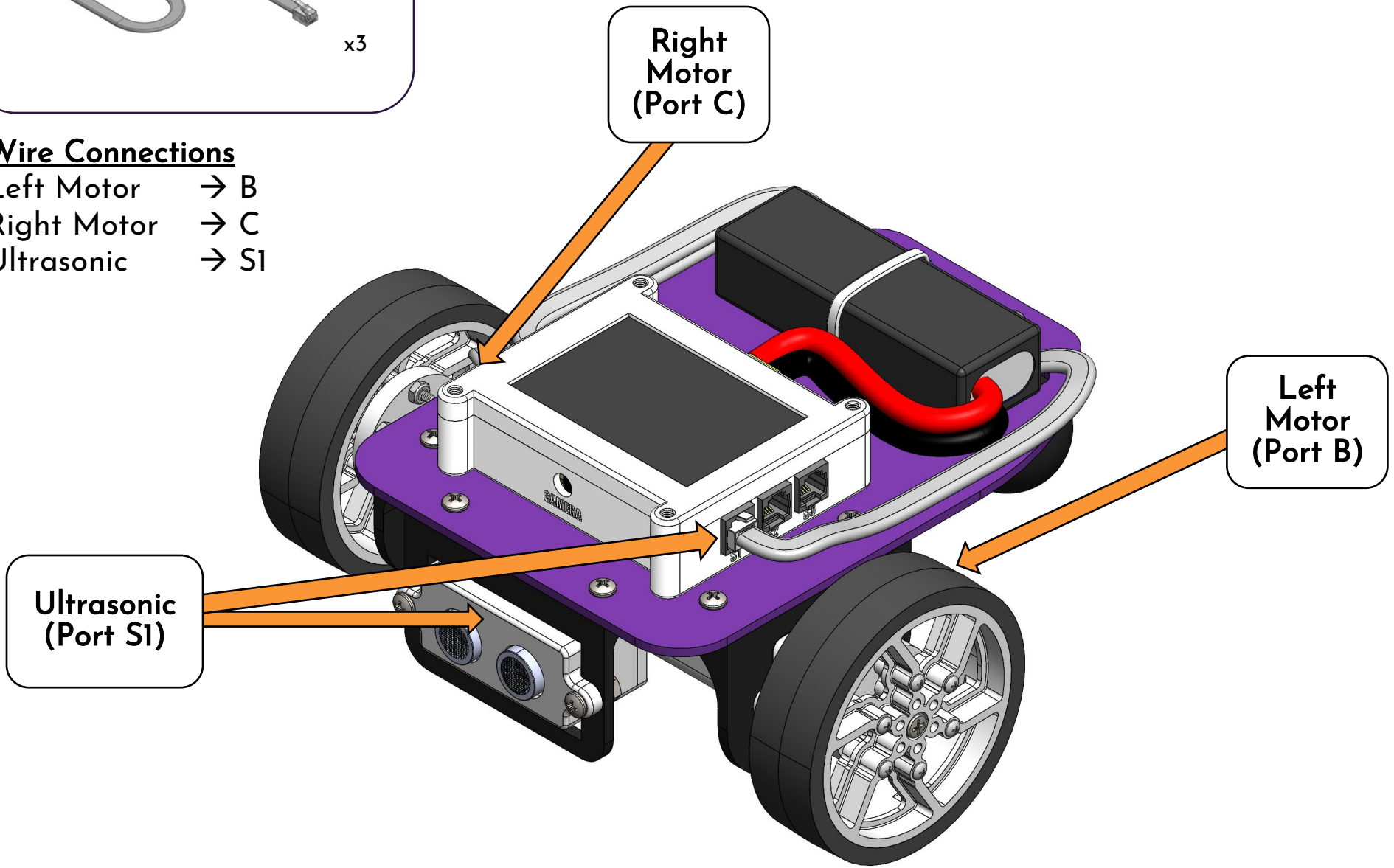


x3

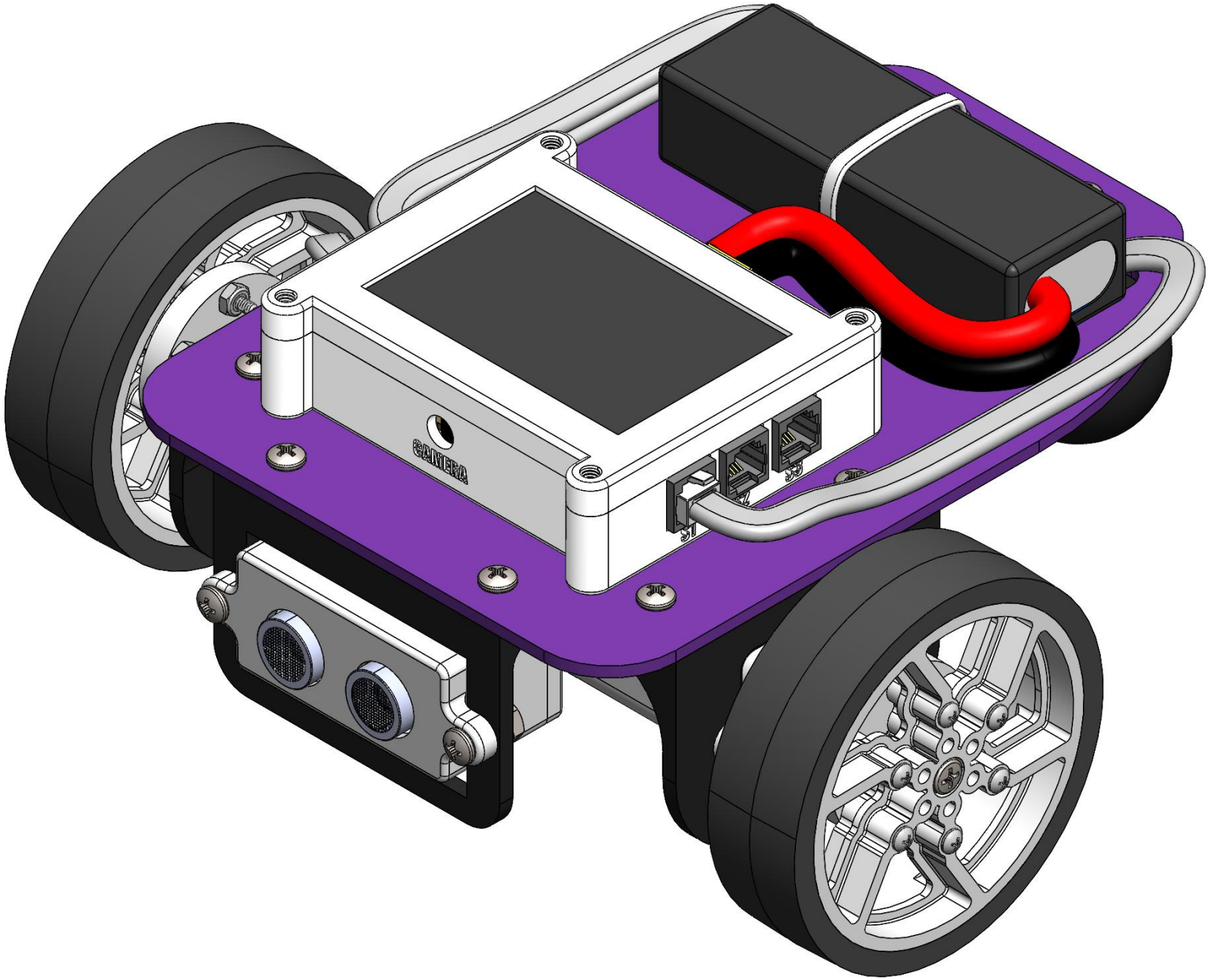
10

Wire Connections

Left Motor → B
Right Motor → C
Ultrasonic → S1



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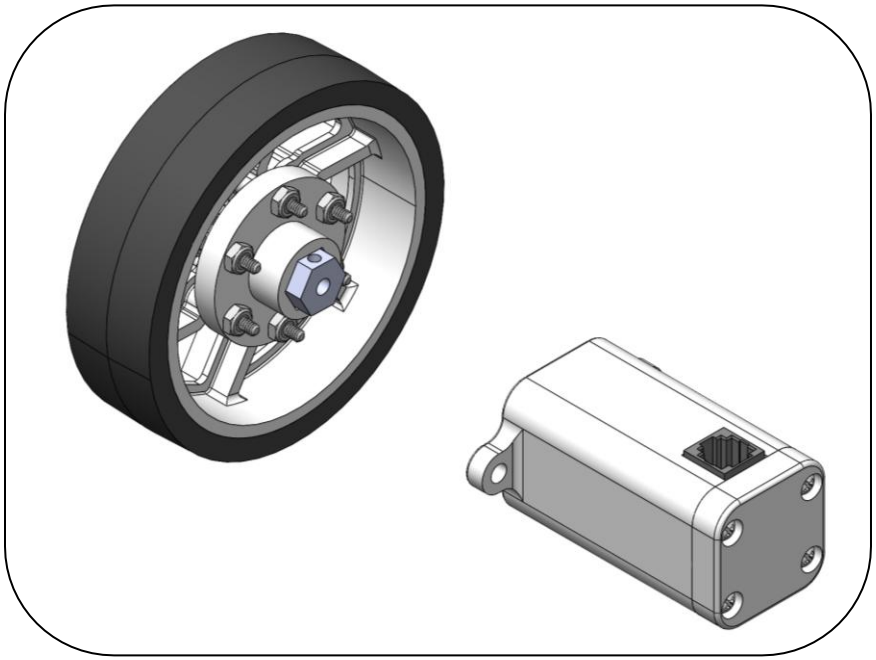


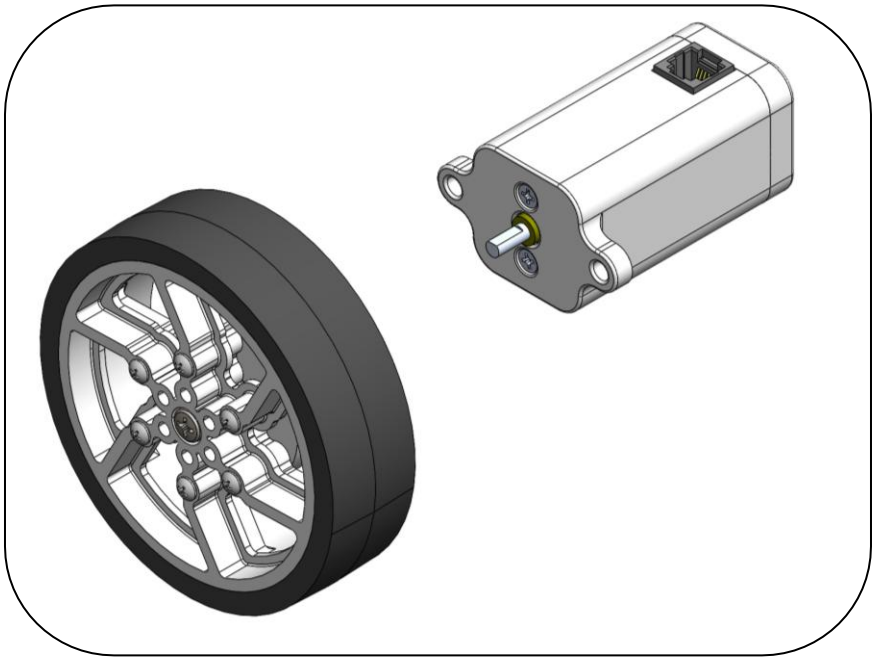
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ROBOT TROUBLESHOOTING

MOTOR WHEEL FALLING OFF

Sometimes the motor wheels loosen and fall off the robot and look like this:



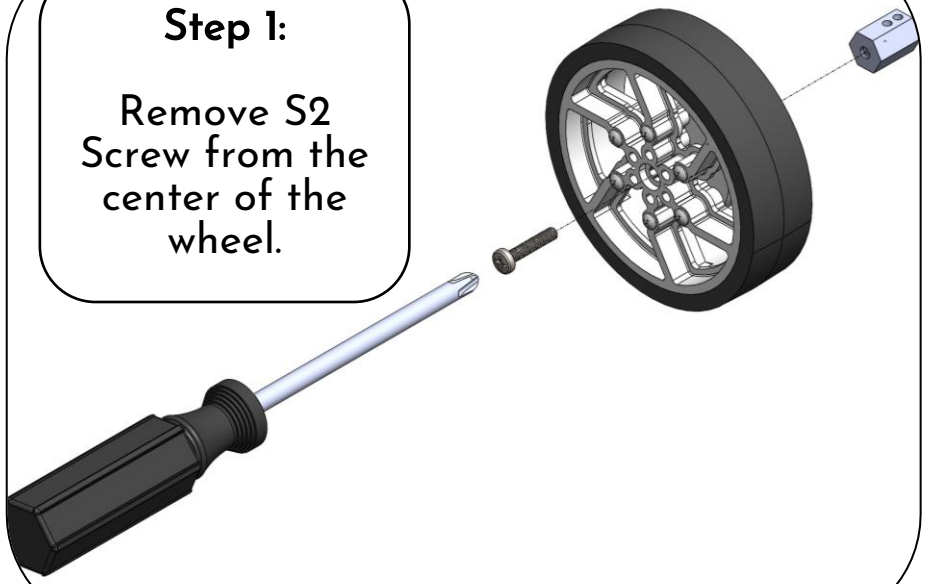


Follow the steps on the next page to fix this issue.

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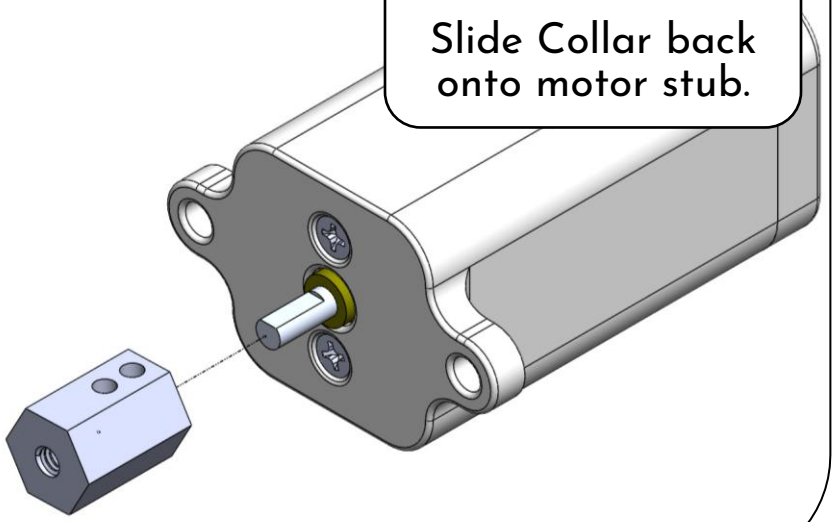
Step 1:

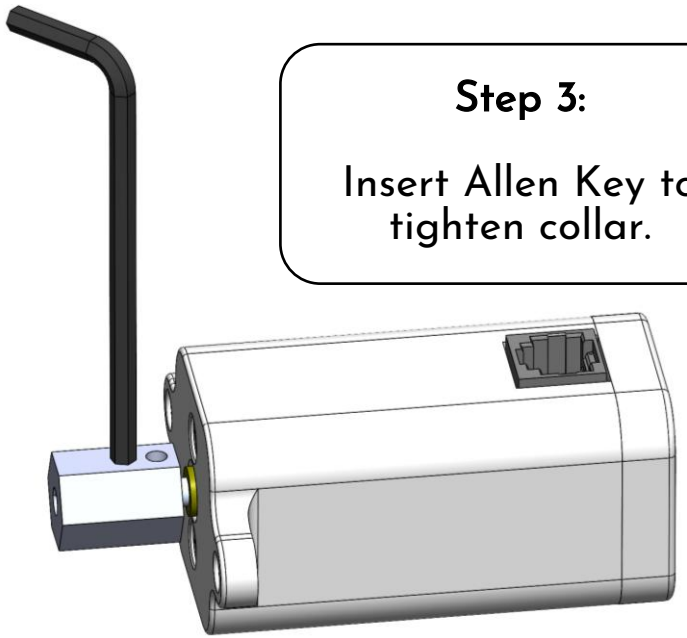
Remove S2 Screw from the center of the wheel.



Step 2:

Slide Collar back onto motor stub.



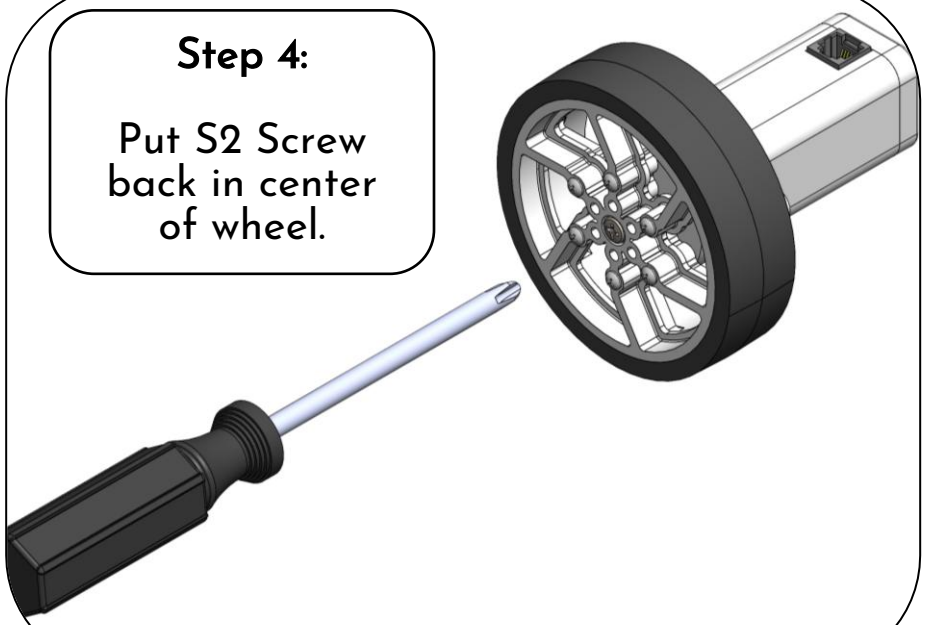


Step 3:

Insert Allen Key to tighten collar.

Step 4:

Put S2 Screw back in center of wheel.



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