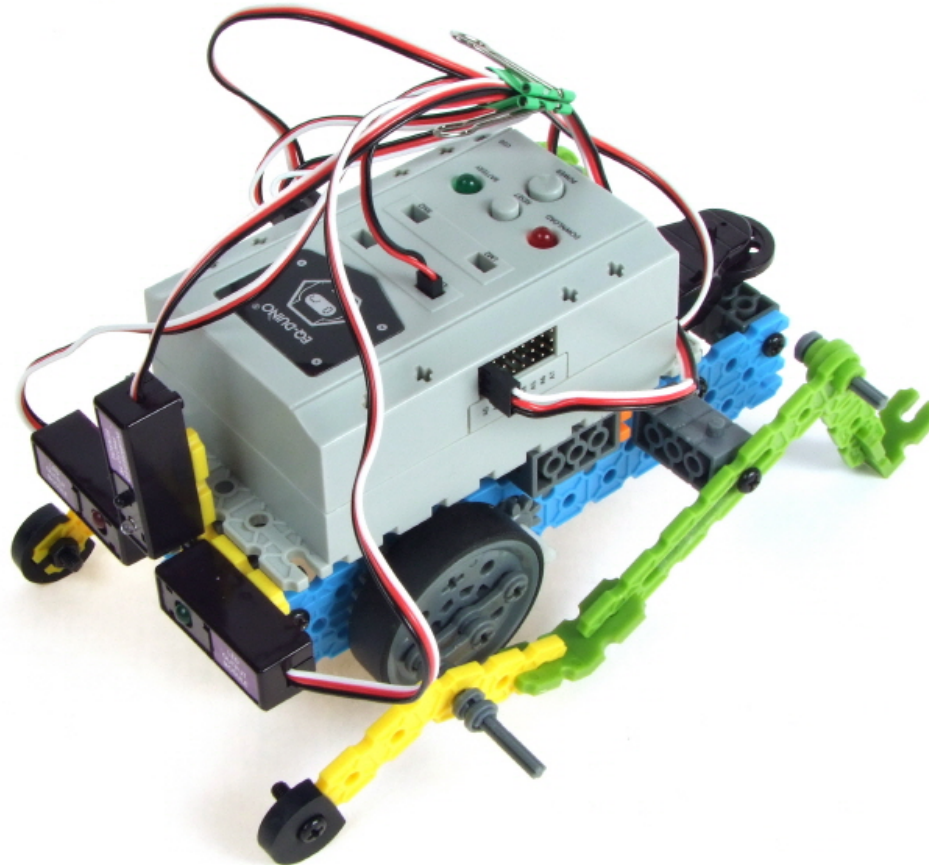
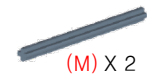
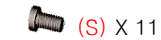
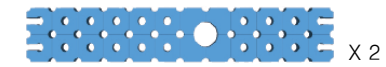


## 12. Bug Robot

If you press the touch sensor, the bug robot will move to the forward.  
If you touch the IR sensor, the bug robot will move to the backward.  
During the bug robot to move, the LED turn on and off.



# Part List



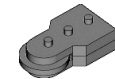
DC shaft X 2



IR sensor X 1

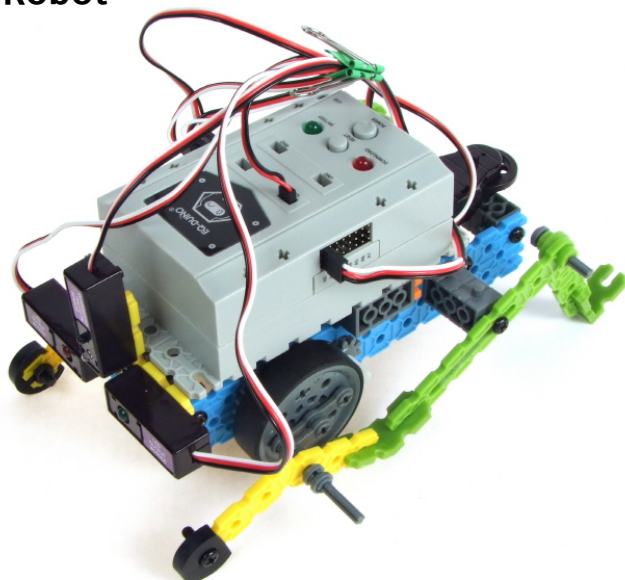


LED X 2

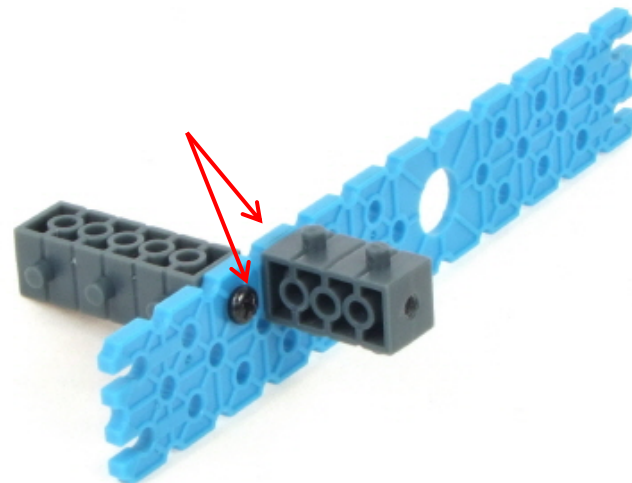
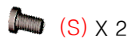


Touch X 1

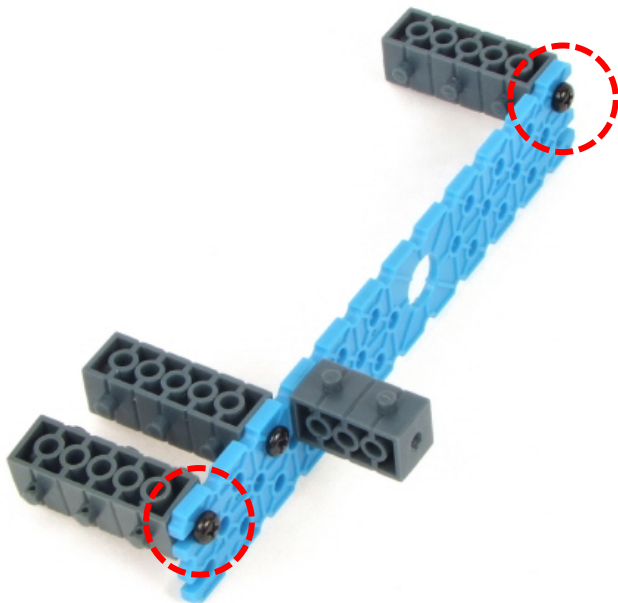
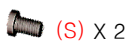
# Bug Robot



1



2

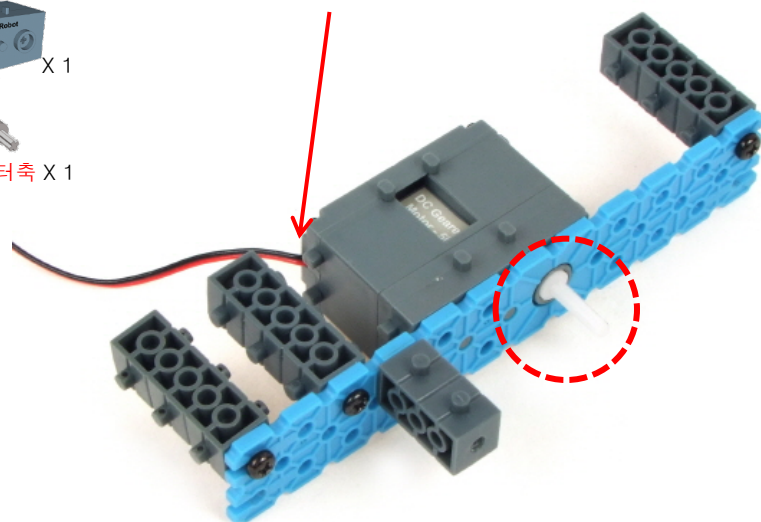


3

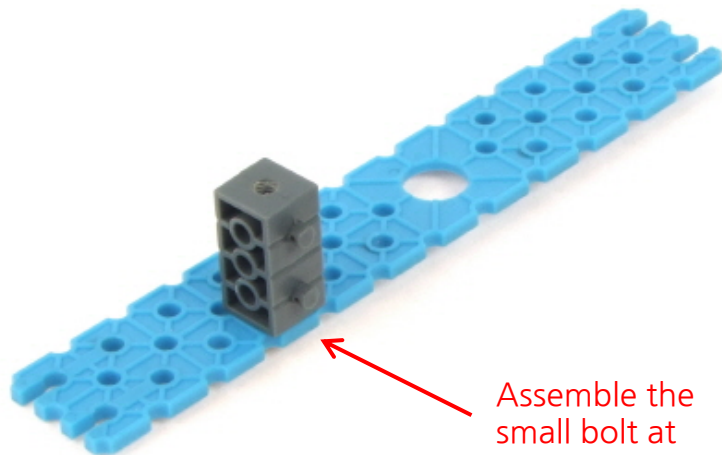
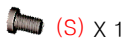


DC모터축 X 1

Notice the position of DC motor cable



4



Assemble the  
small bolt at  
bottom

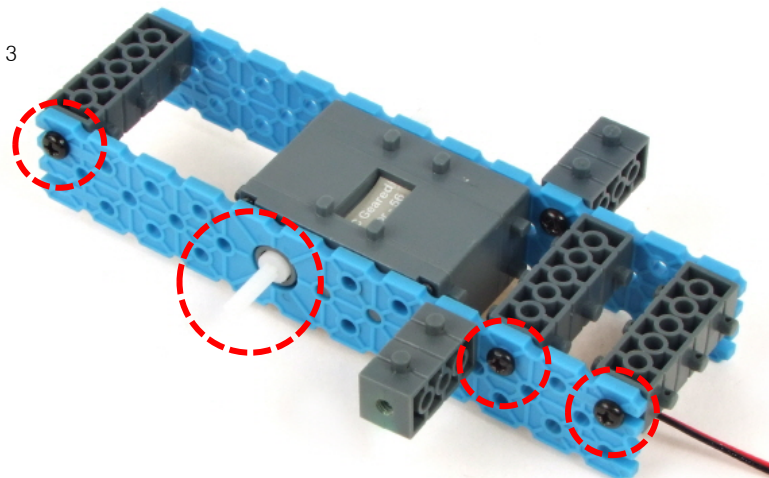
5



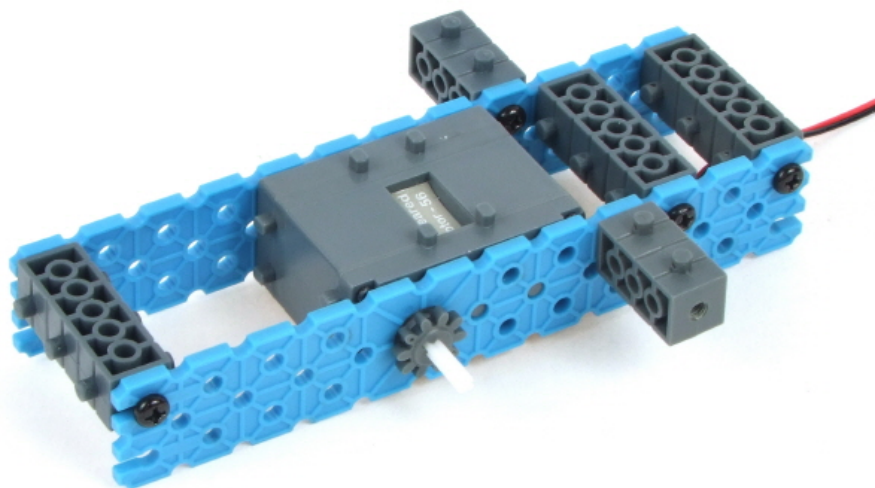
DC shaft X 1



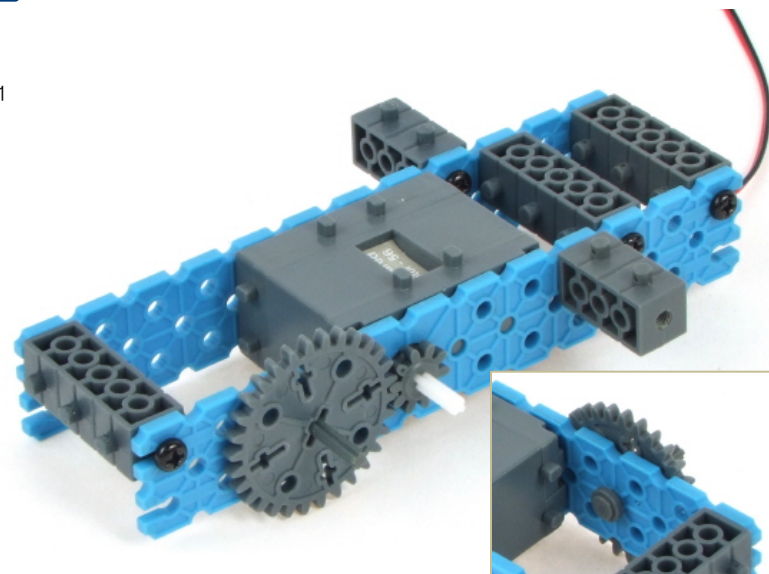
(S) X 3



6

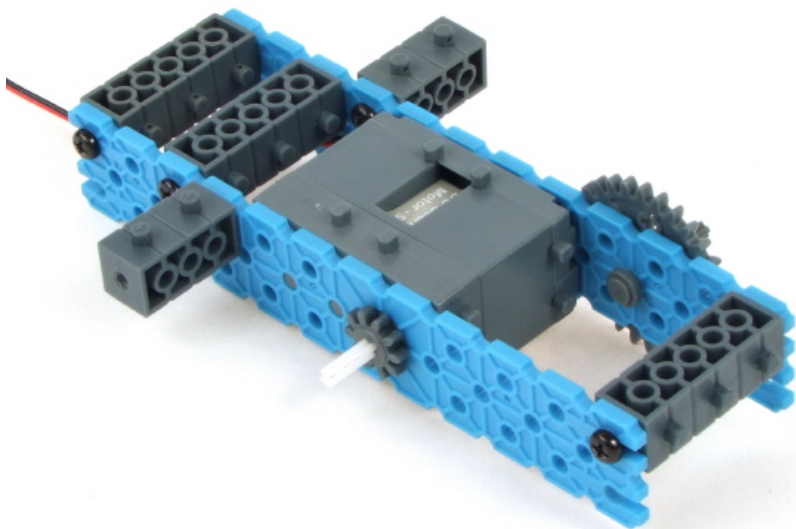


7

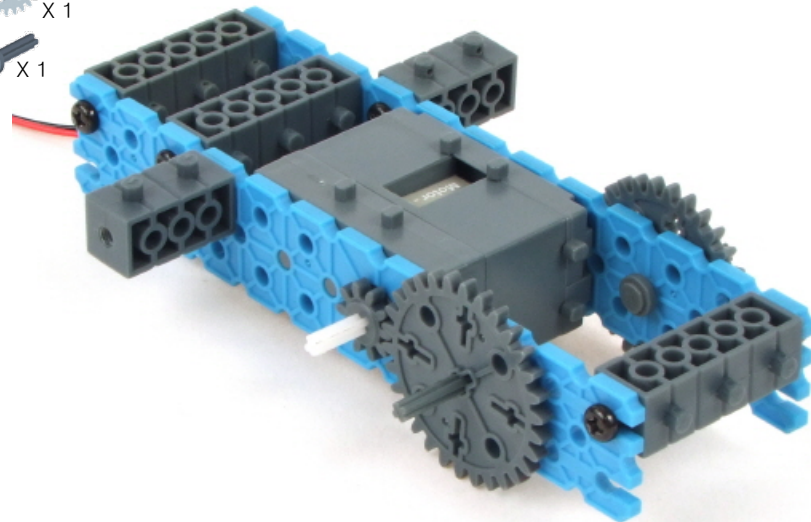




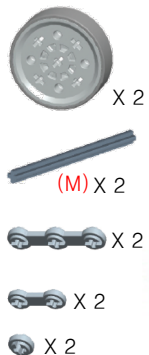
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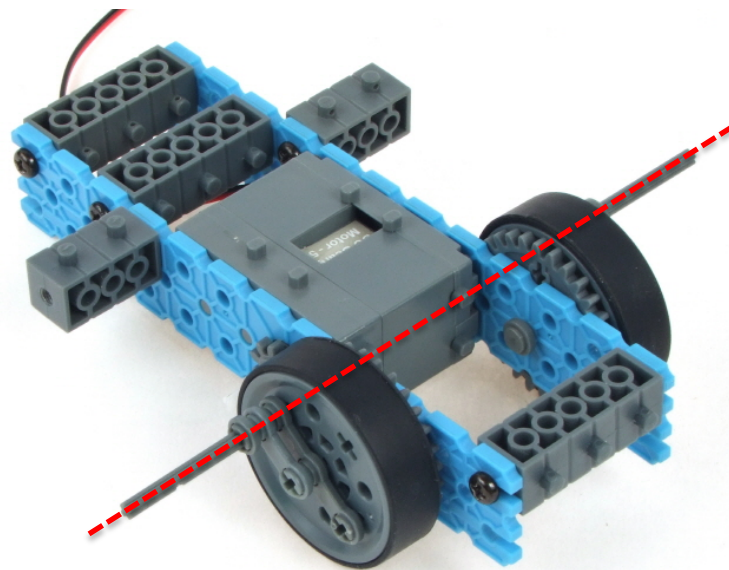
9



10



11

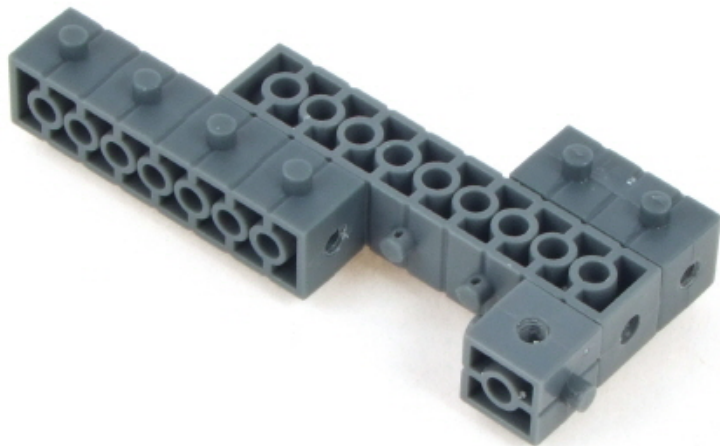


12

 X 1

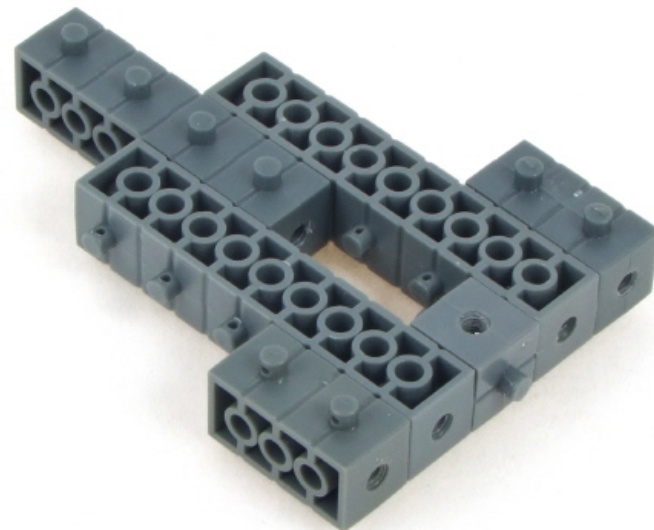
 X 1

 X 1

 X 1



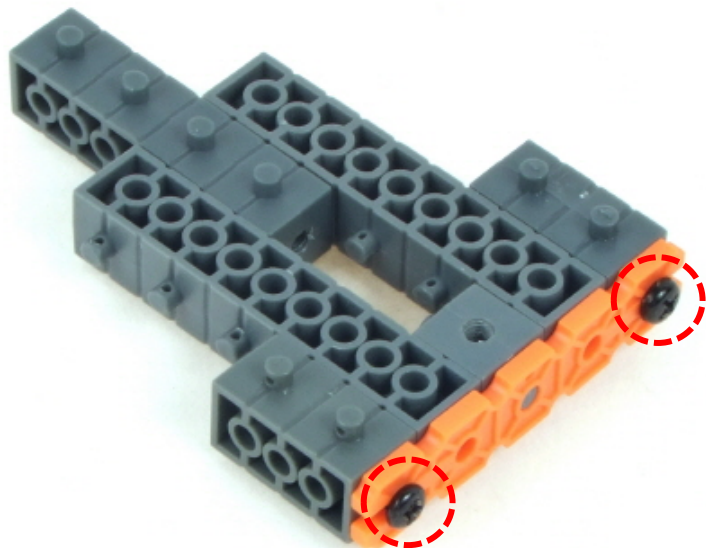
13

 X 1

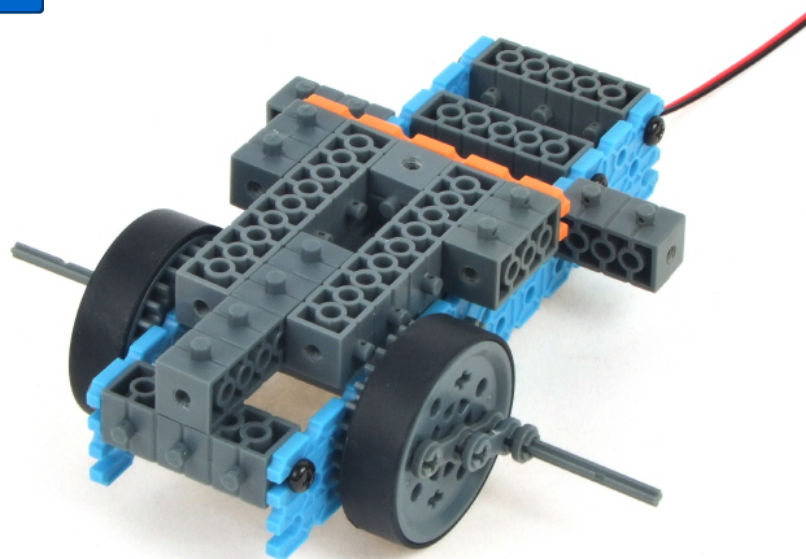
 X 1


14

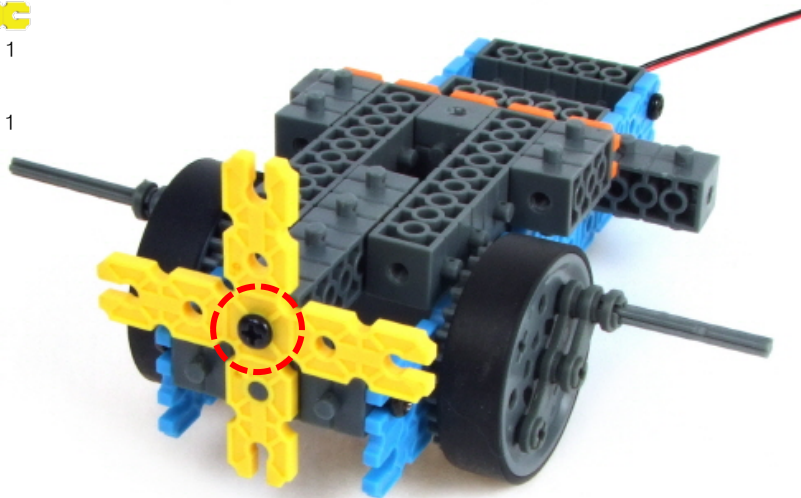
 X 1

 (S) X 2


15



16



17



18

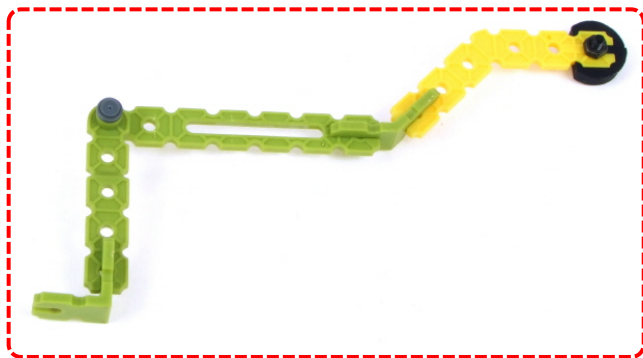
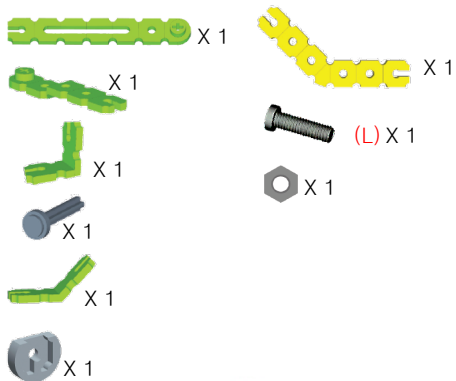


19





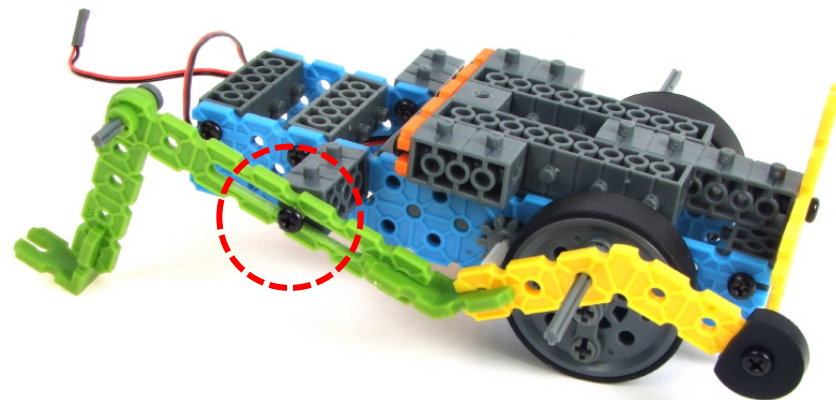
20



Assemble one more  
to symmetry

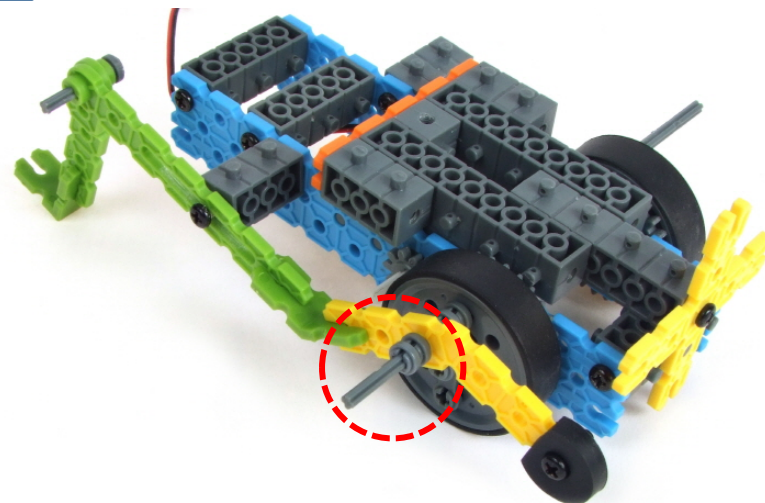


21





Do not fasten strongly to move the leg.

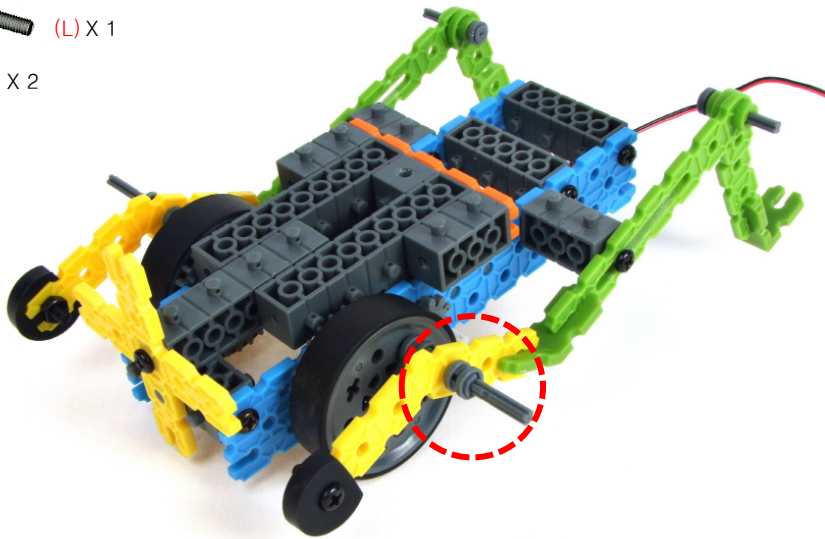
22





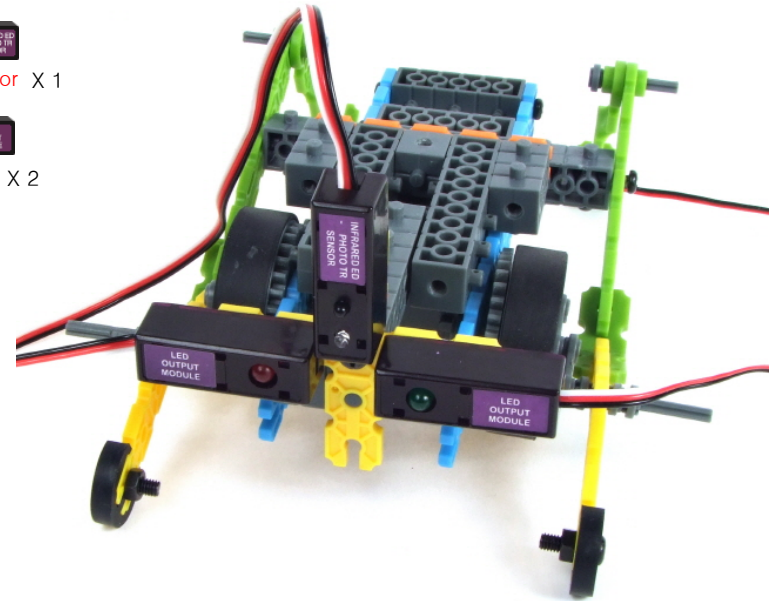
23

 (L) X 1  
 X 2

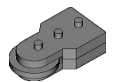


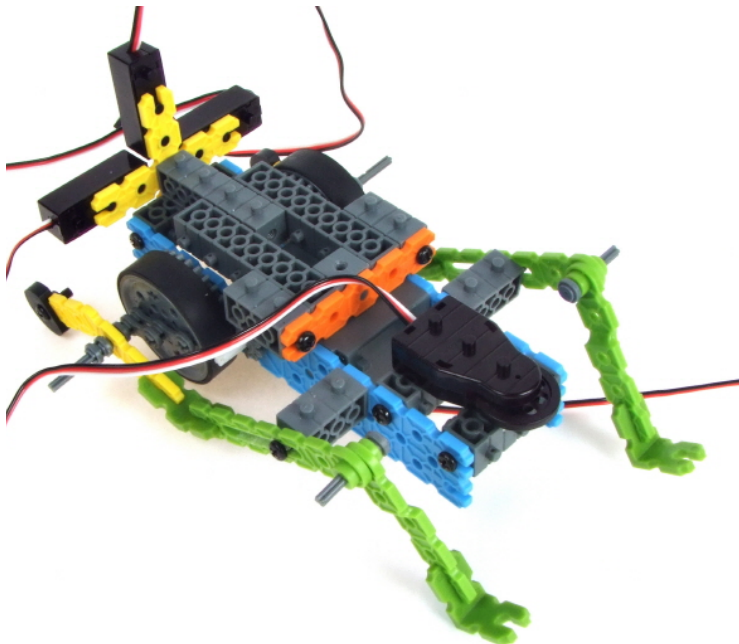
24

 X 1  
 IR sensor X 1  
 X 2  
 LED X 2



25

 X 1  
 Touch X 1



Finish

