

# 4 Wheel Drive Bot



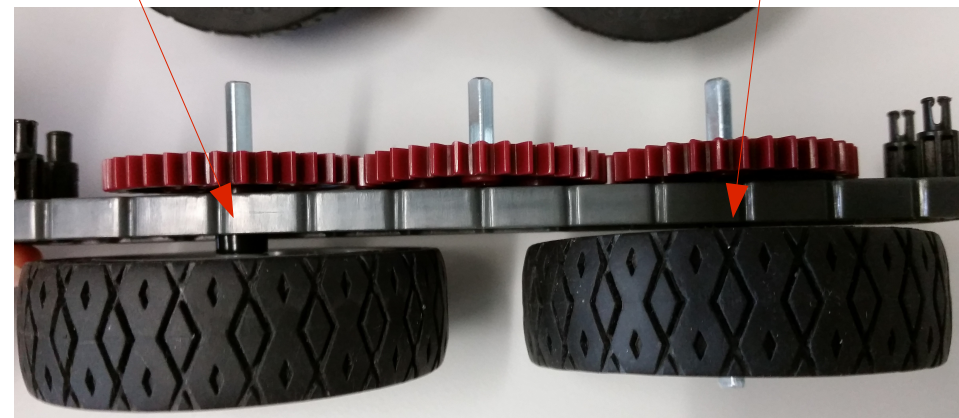


## Part 1: Creating the Drive Train



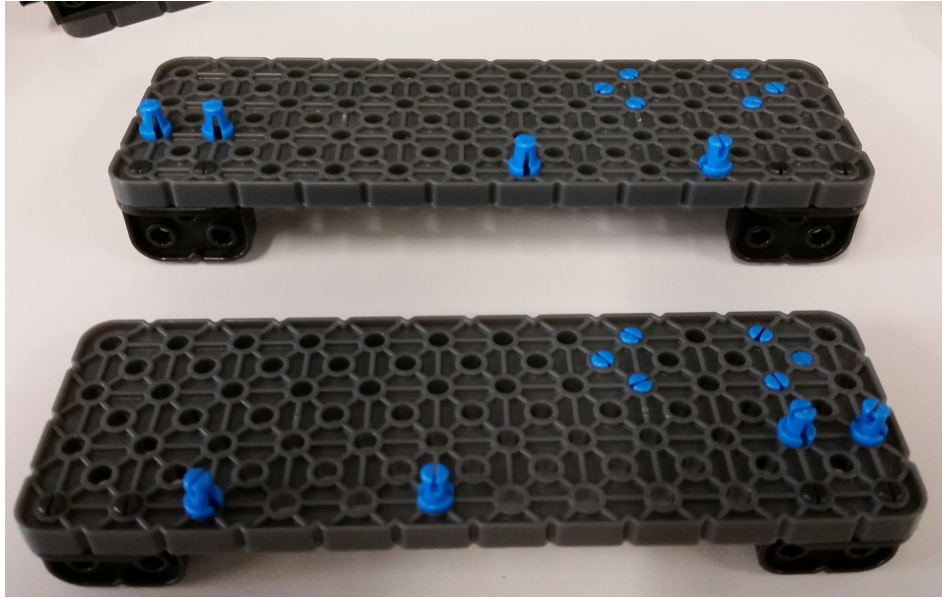
Create two identical pieces which look like this.

*Remember to put dividers here.*

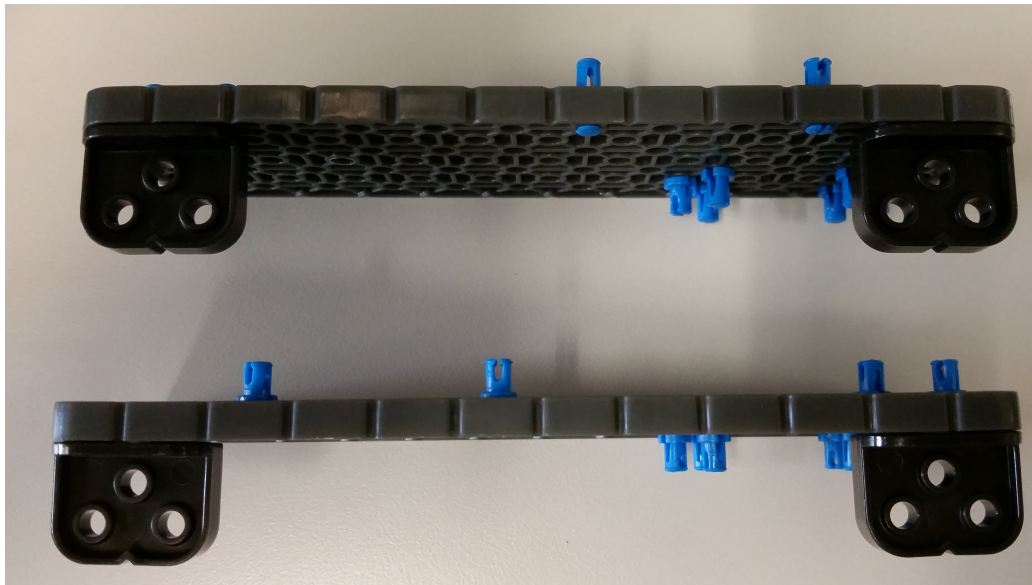




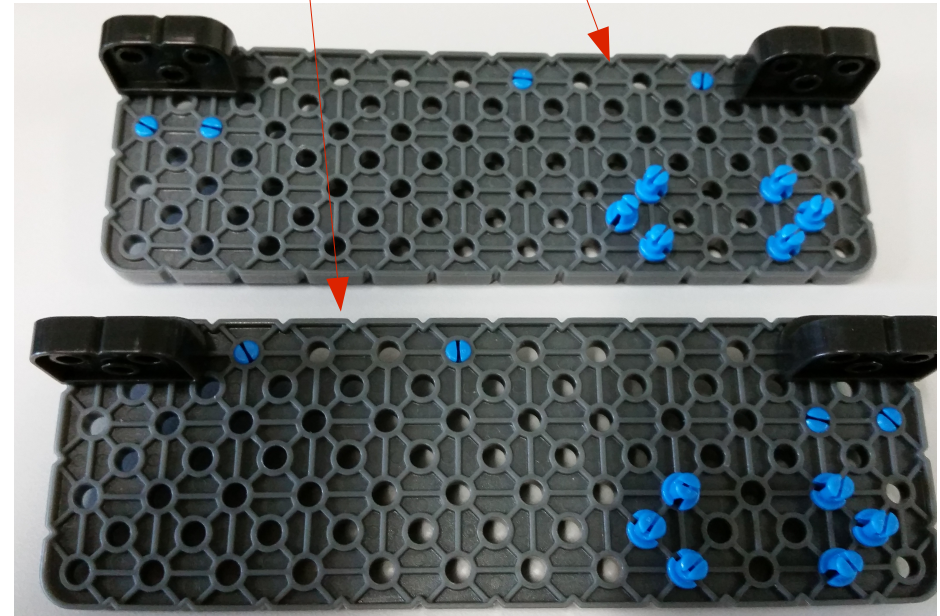
## Part 2: Mounting the Drive Train



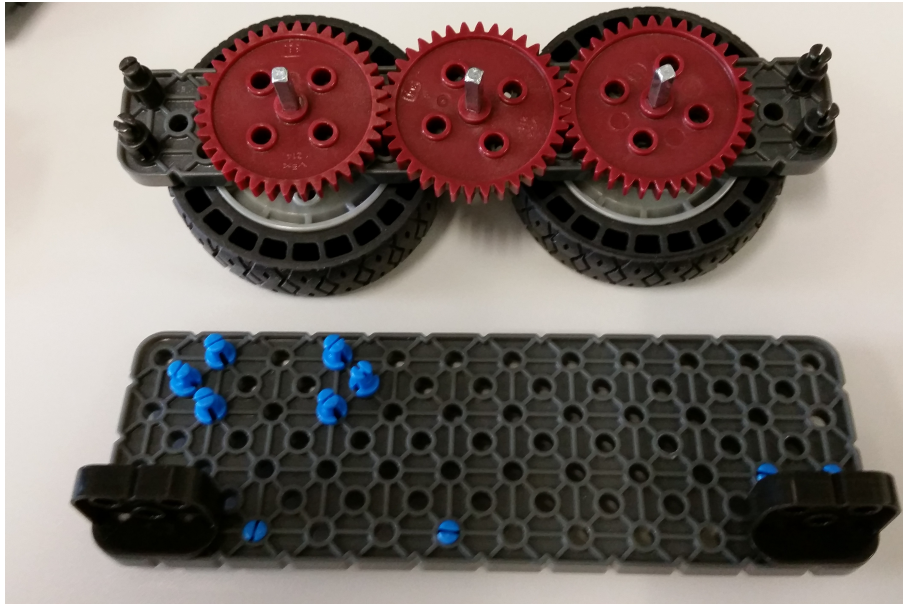
Create two of these pieces. They are not identical.



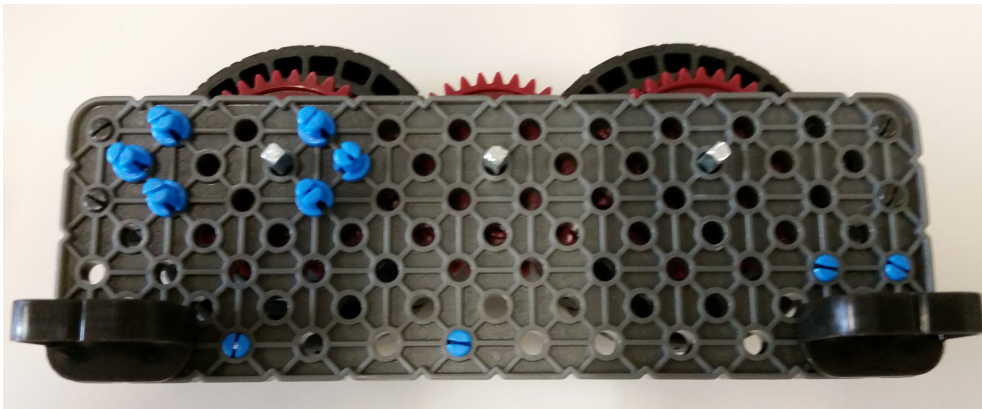
*Difference*



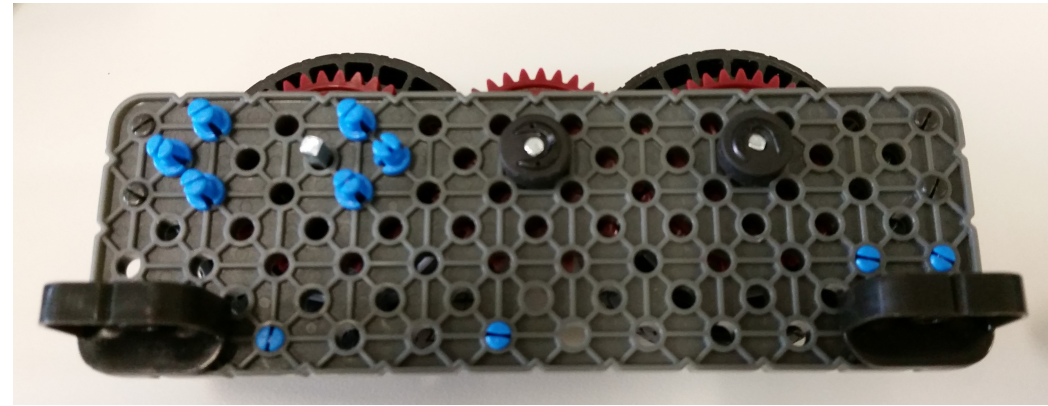




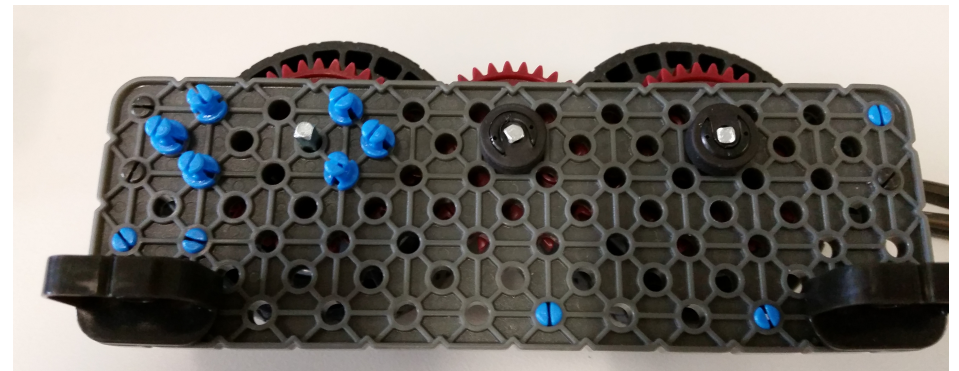
Prepare this parts and connect them like so



Put bushings on only these two axles.

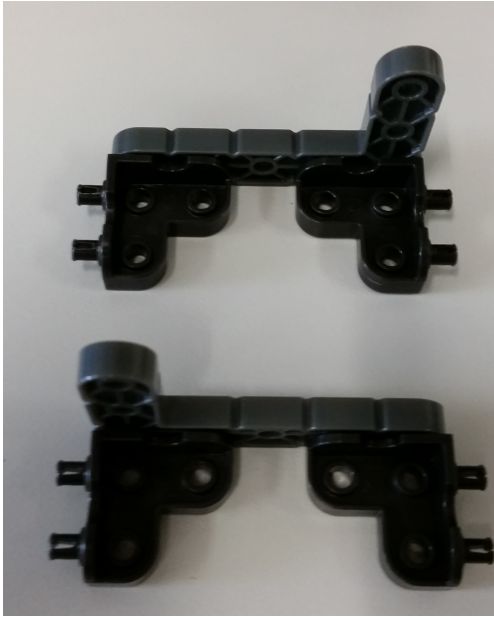


Do the same for the other set of pieces.

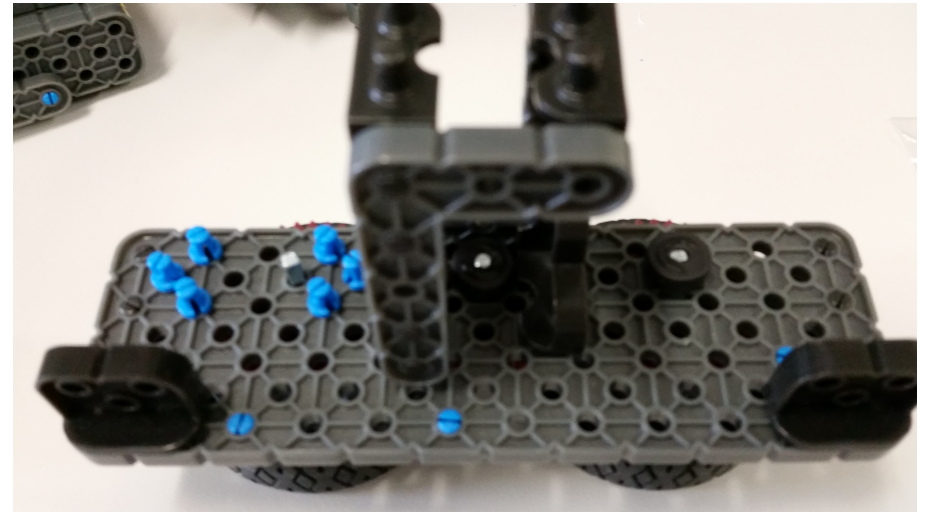




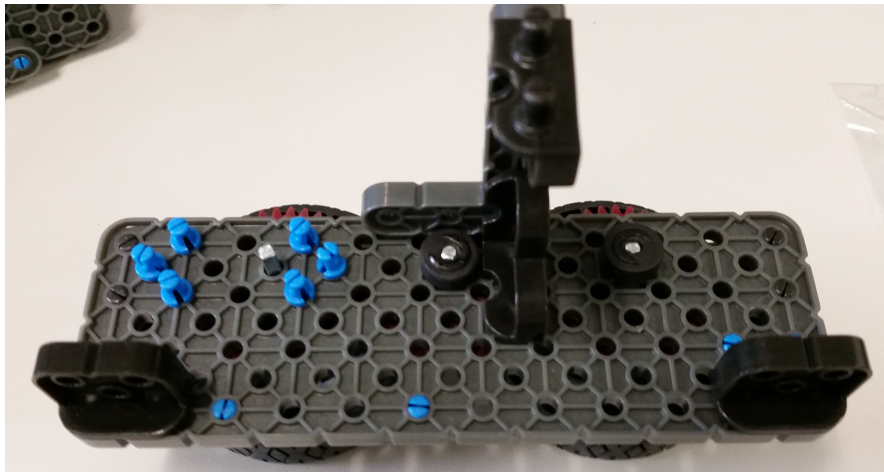
### Part 3: Connecting the Sides



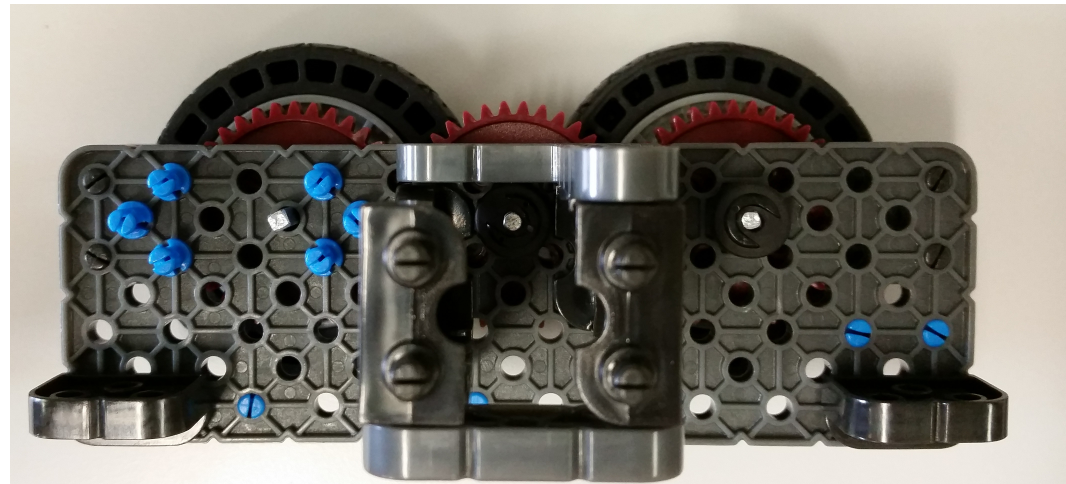
Attach the other like so.



Create these two parts and attach one like so.



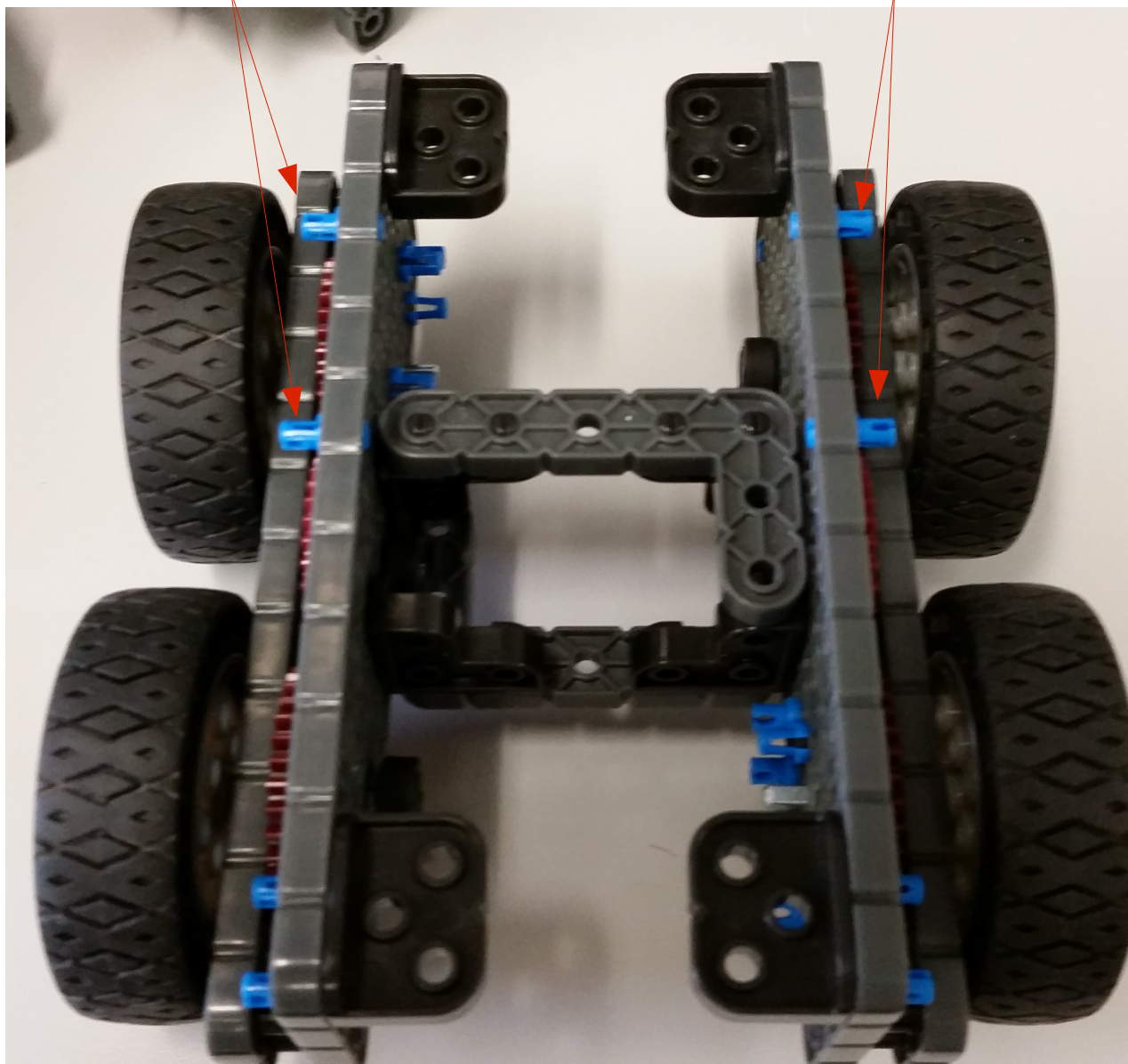
*Top View*





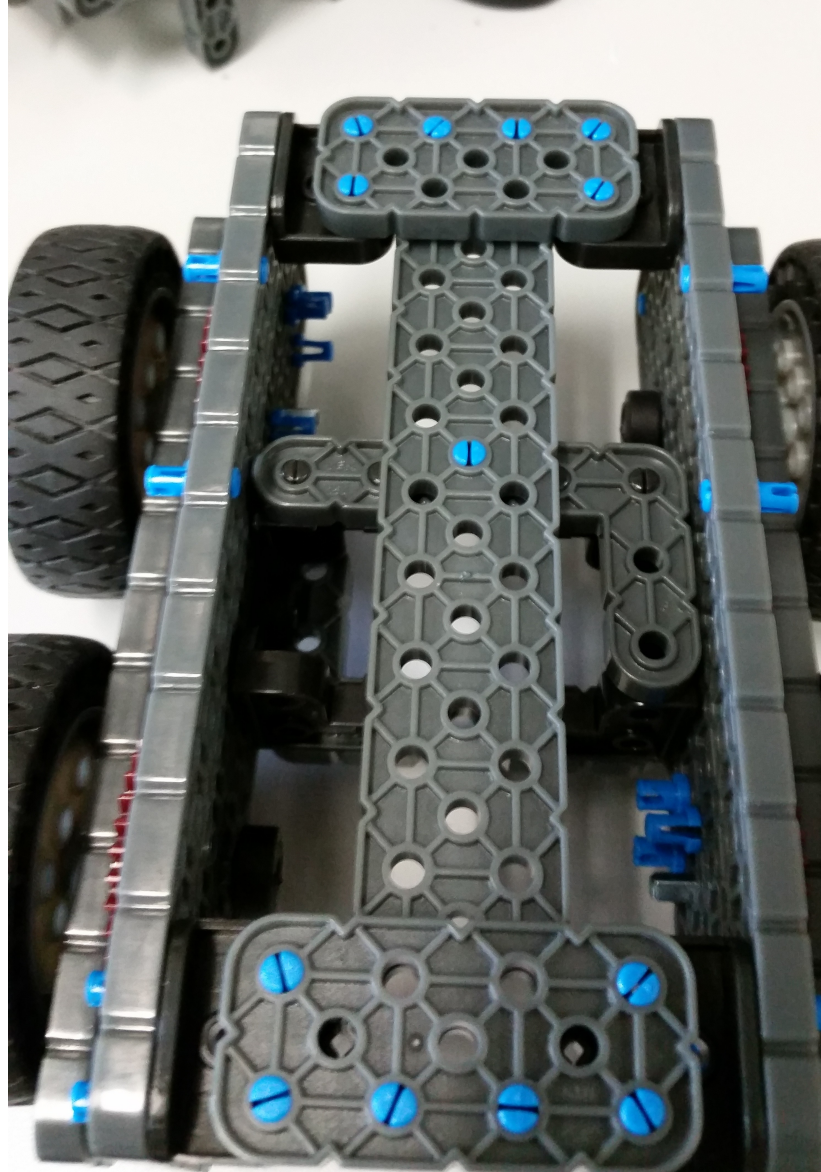
Attach the other side like so.

*Make sure these pegs are line up*





## Part 4: Bracing the Chassis



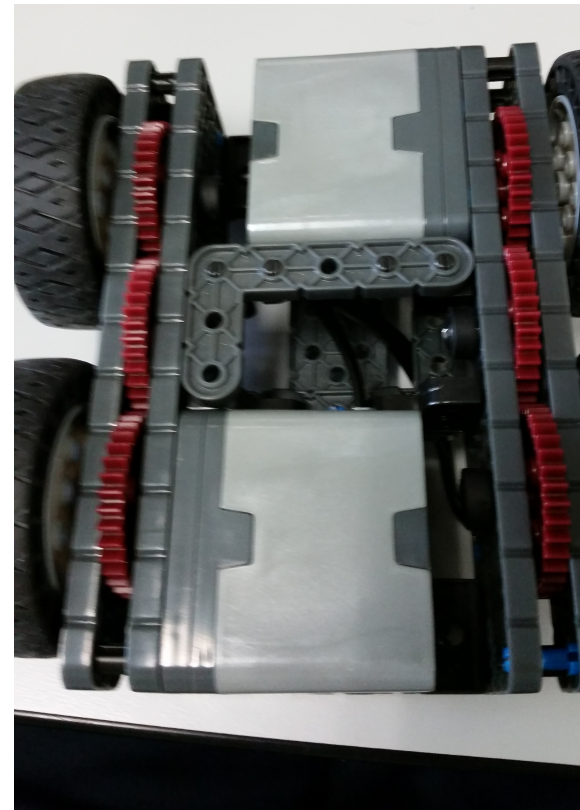
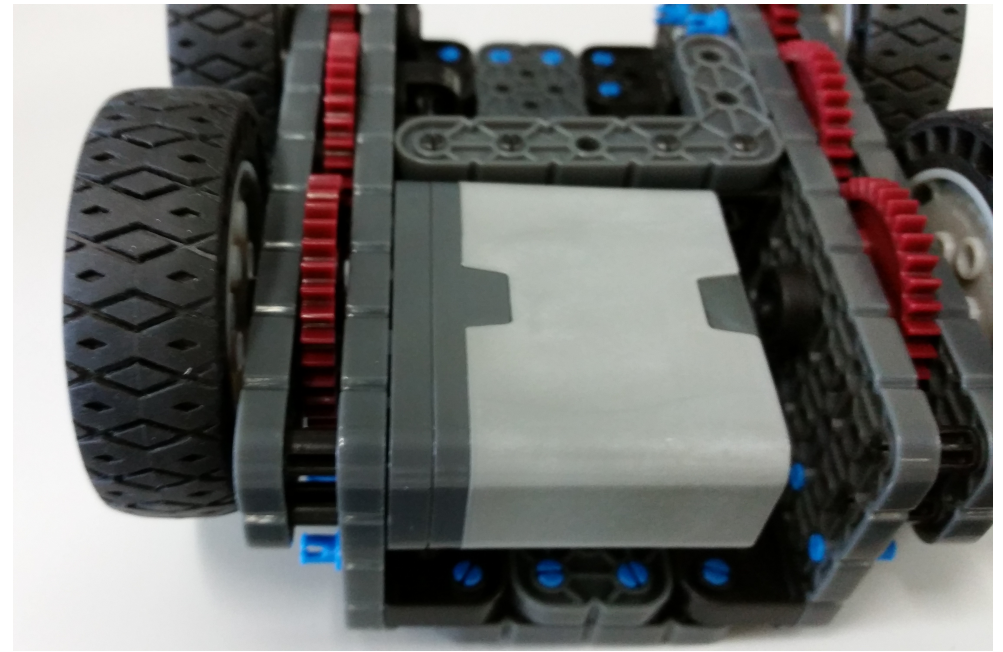
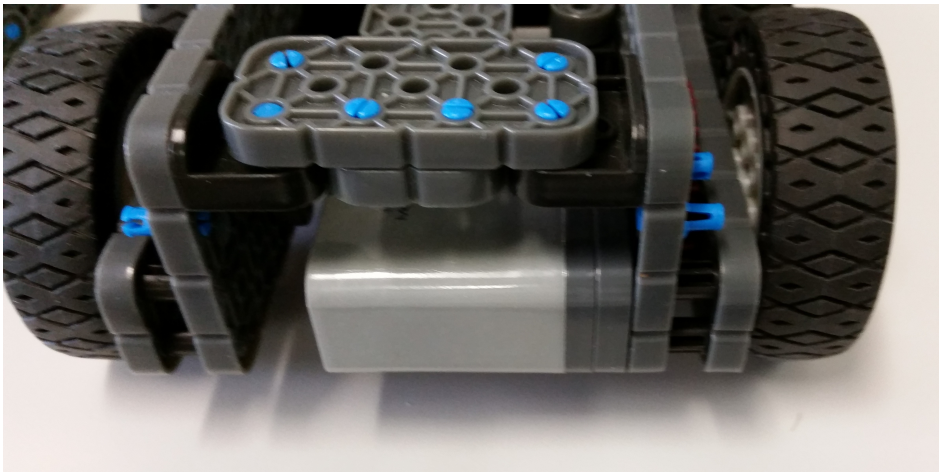
Create the following piece and attach it like so.



## Part 5: Attaching the Motors



Attach the motor to the designated pegs



Make sure the motor is secure and attach the other side.



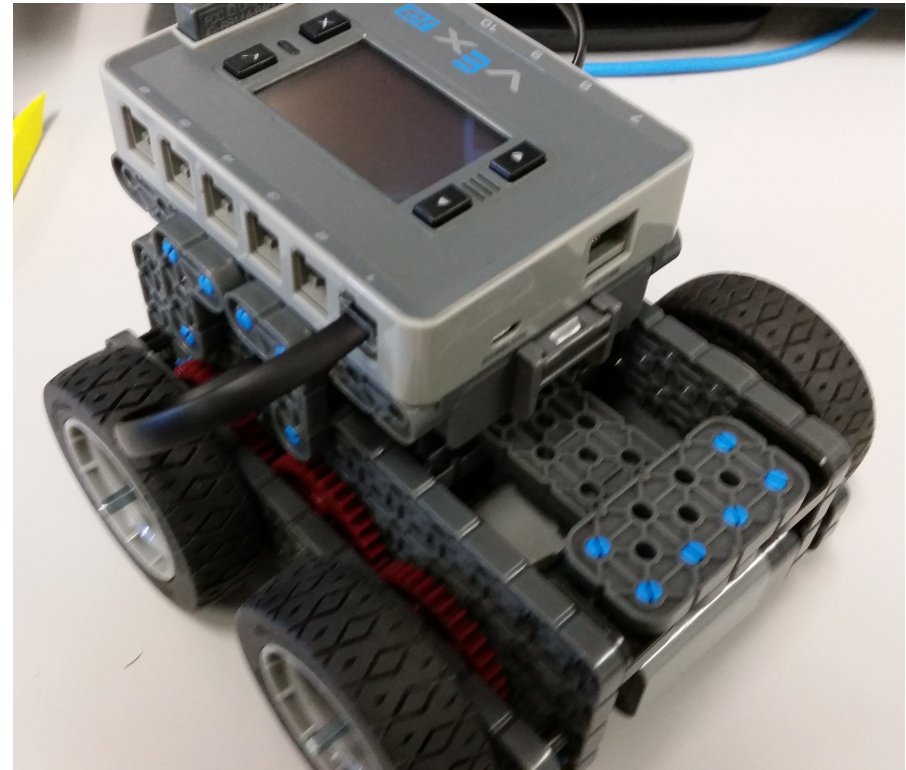
## Part 5: Attaching the VEX-IQ



Attach 4 L-Brackets to the VEX-IQ



Secure it to the chassis like so.



## Robot Complete

