# The Completed Look of the Build



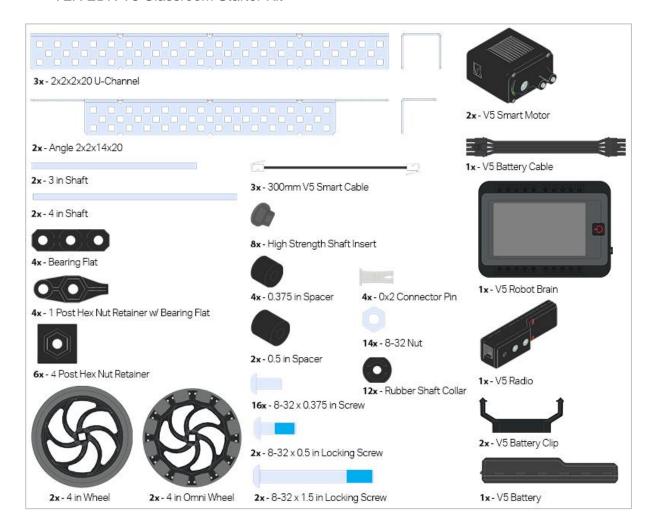
Completed VEX EDR Speed Build

This robot is designed so that it can be built quickly and driven around either autonomously or with the V5 Controller.

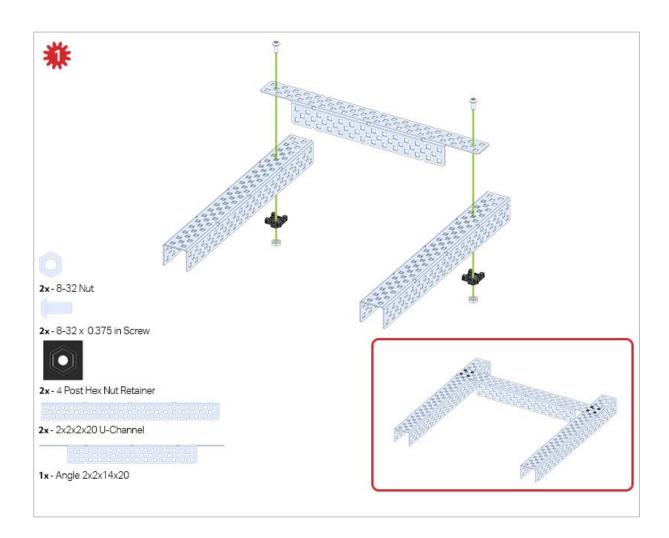
### Parts Needed

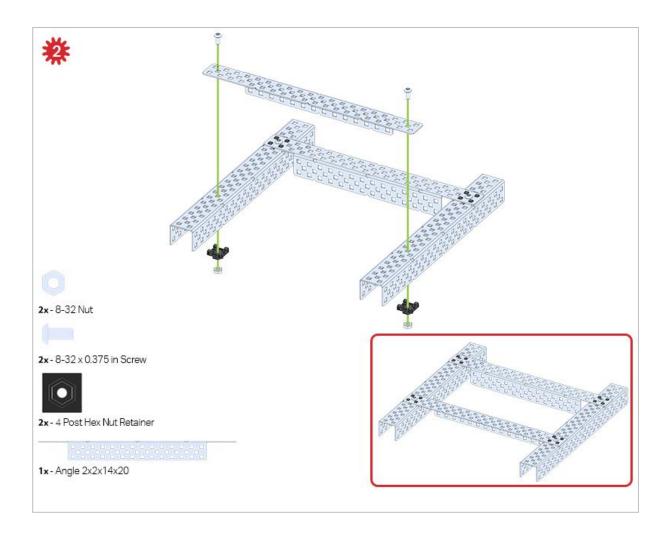
#### Can be built with:

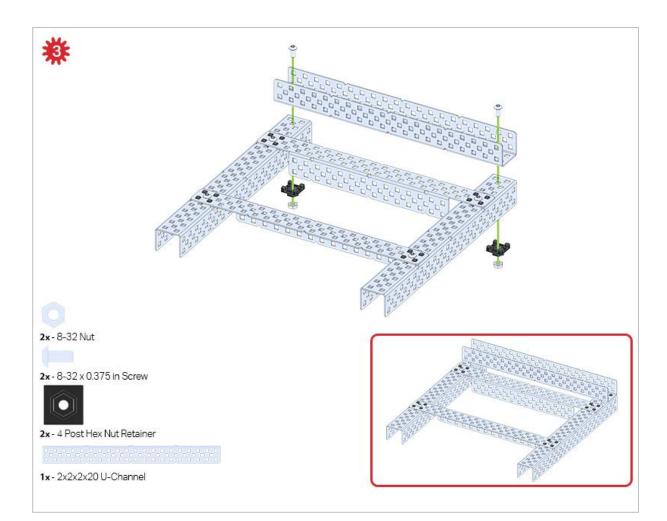
VEX EDR V5 Classroom Starter Kit

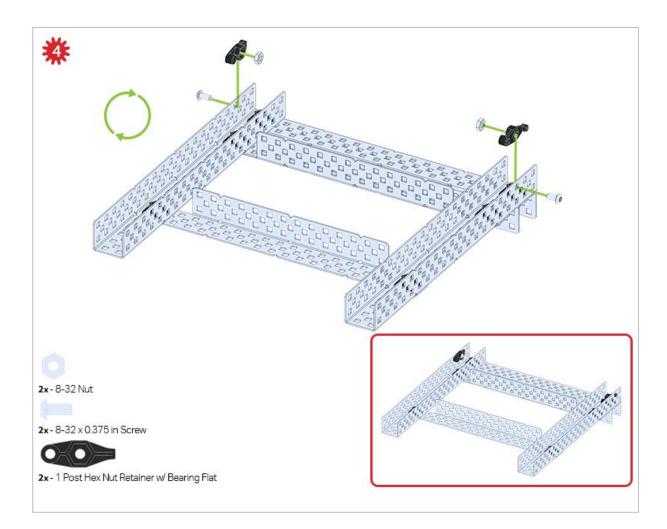


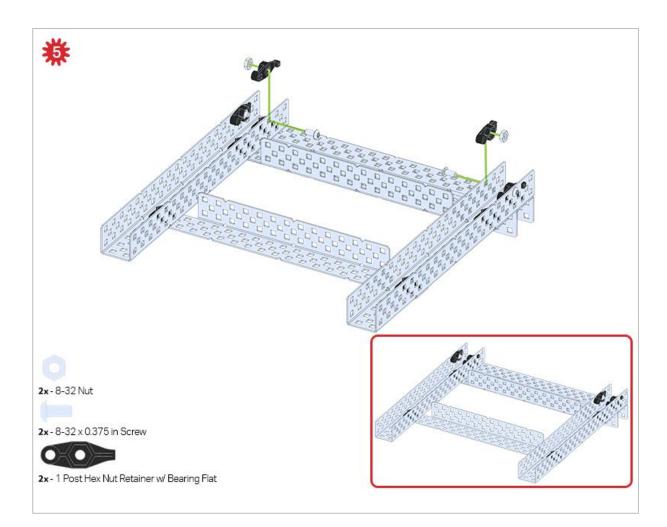
# **Build Instructions**

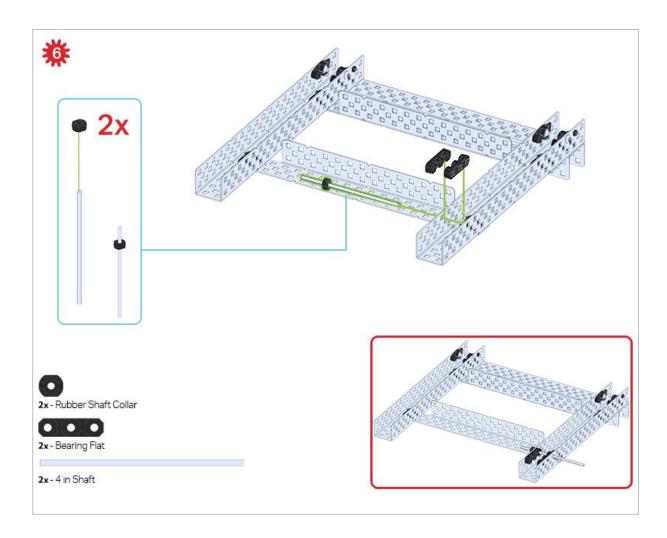


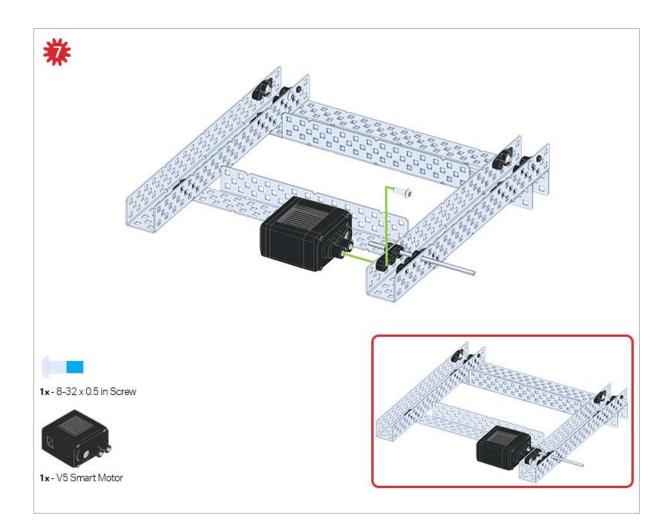


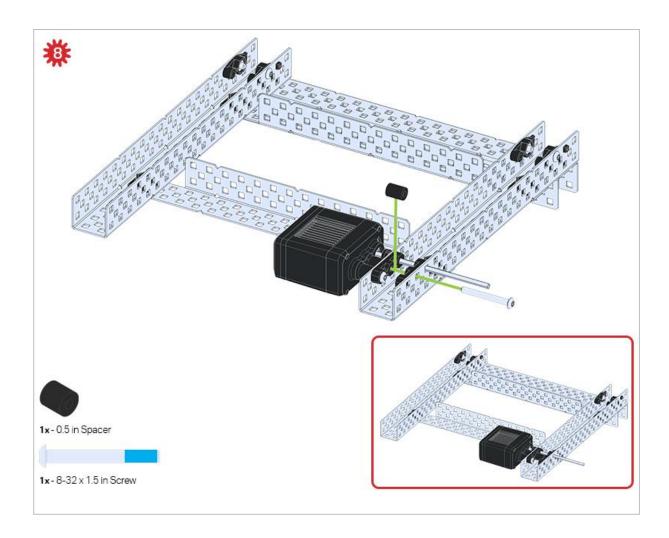


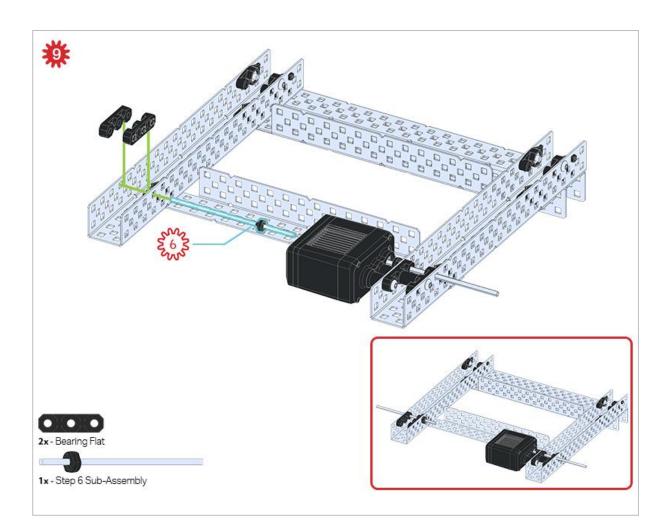


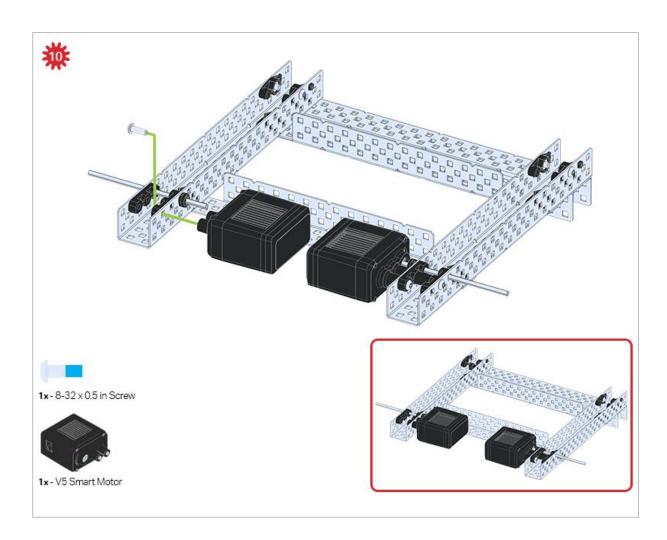


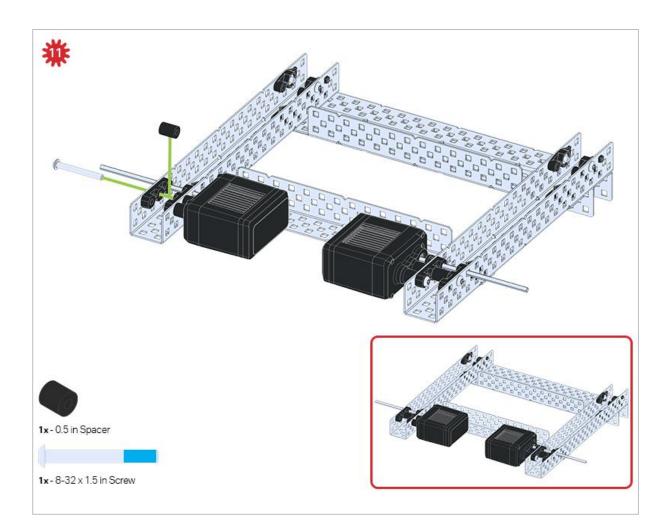


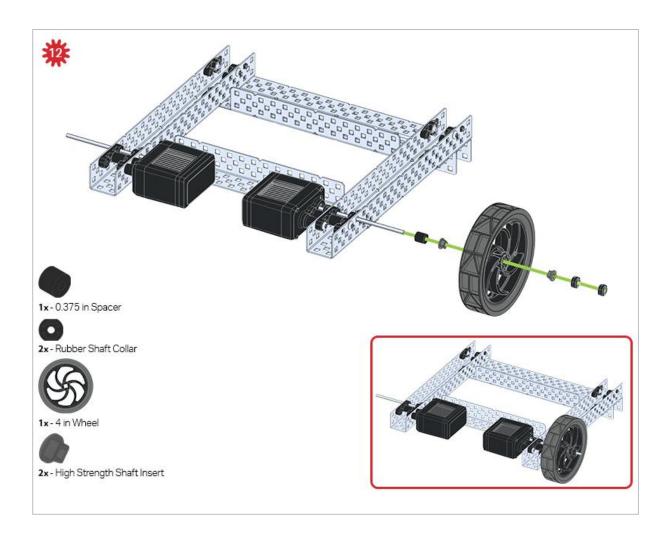


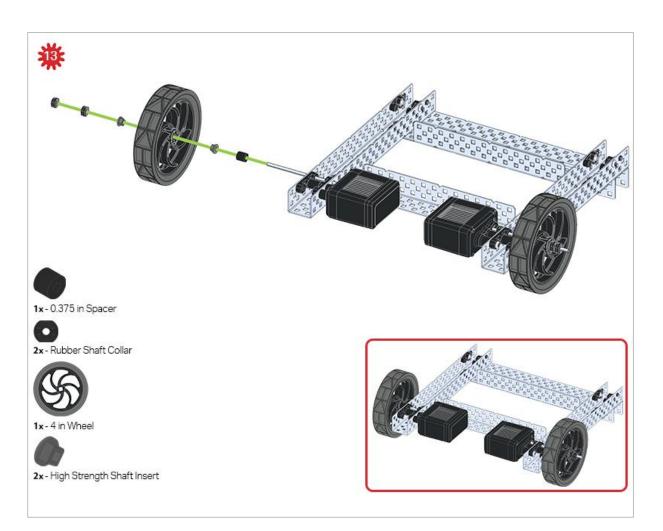


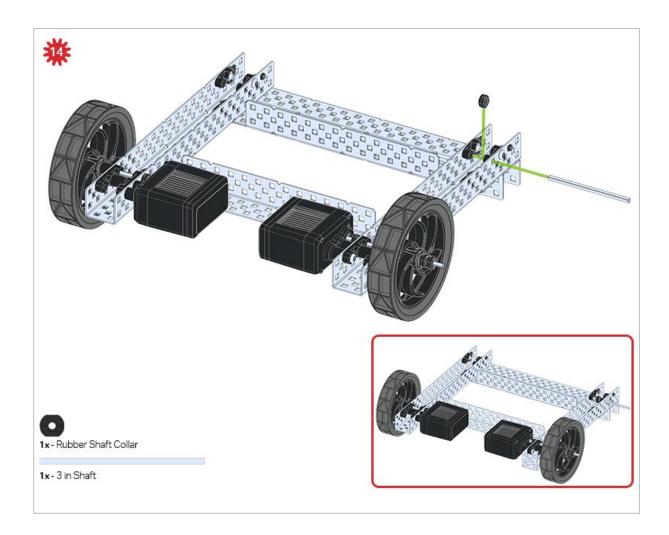


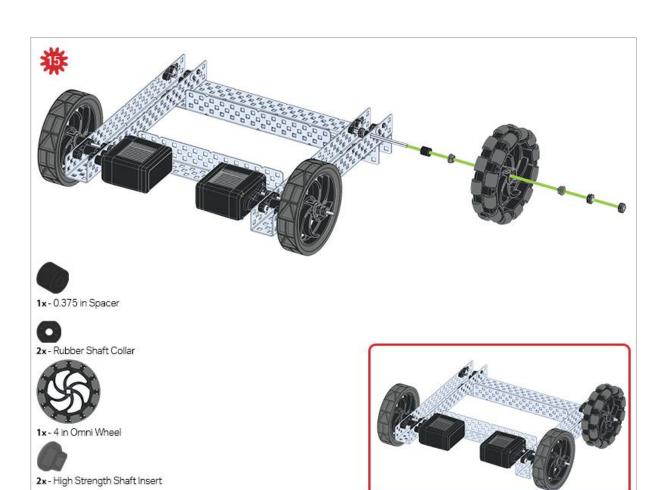




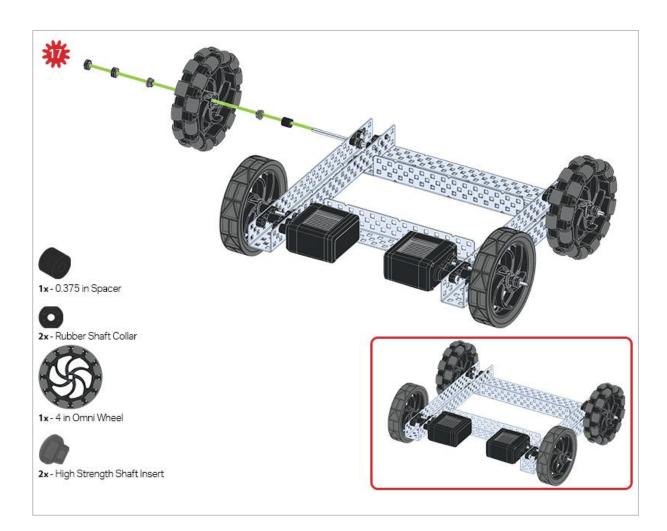


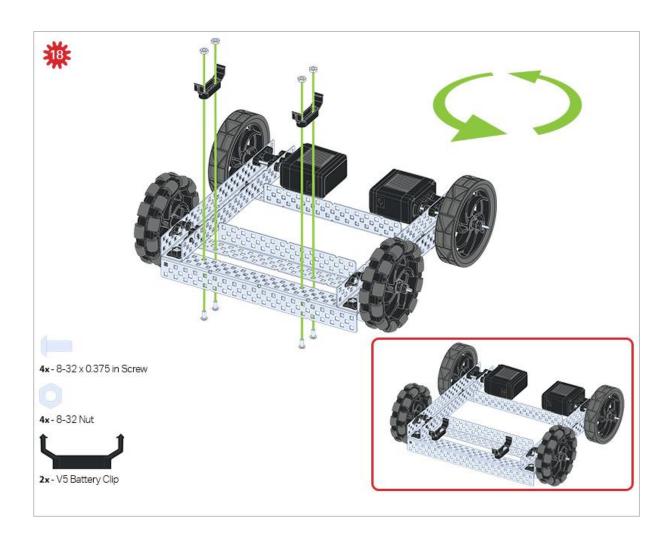


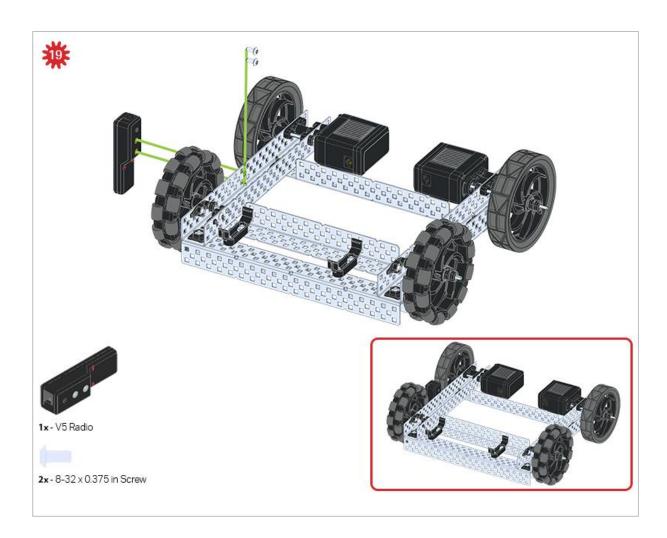


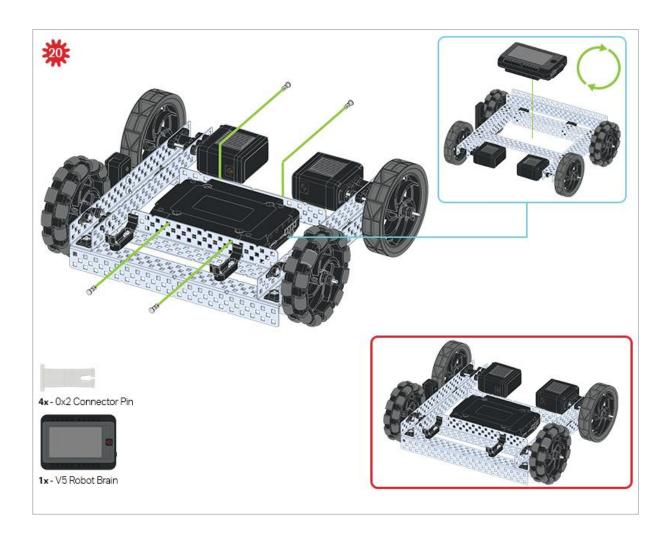




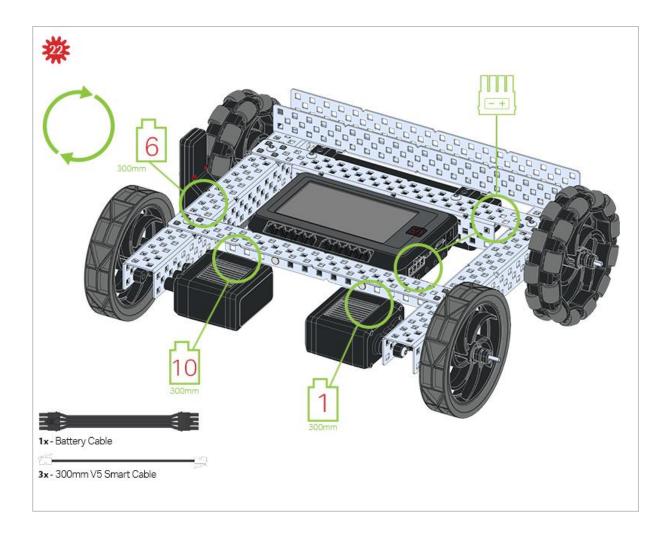












### **Build Instruction Tips**

Check the Appendix for info on how to use the new Hex Nut Retainers.

Step 4: The green icon indicates that the build needs to be flipped over (upside down).

- Step 6: Only one of the two sub-assemblies made in this step is used right now. The other will be used later in step 9.
- Step 7: Make sure your Smart Motors are oriented in the correct direction (screw holes facing the outside of the build and the shaft hole towards the inside).
- Step 10: Make sure your Smart Motors are oriented in the correct direction (screw holes facing the outside of the build and the shaft hole towards the inside).
- Step 18: The green icon indicates that the build needs to be rotated (180 degrees).
- Step 20: The blue call out shows what the orientation of the Robot Brain should be if the build were flipped right side up. Make sure the 3 wire ports on the Robot Brain are facing the V5 Radio!



•	Step 22: The green call outs indicate which port on the Robot Brain to plug each device into using their respective cable.