

VEX Worlds Robot Inspection Checklist

Division: ___

Team Number: _____



Size Inspection

Robot fits within starting size restrictions (18" x 18" x 18") with Team ID Plates installed.	<r5></r5>		
All vertical Robot extensions or combinations of extensions that will expand above 18" before Endgame fit within a single vertical cylinder 2" in diameter and are below 24". Robot does not expand horizontally beyond 18" in any direction before Endgame.	<\$G5>		
Overall Inspection			
Team is only competing with ONE robot. They have no spare or replacement robots. Multiples of subsystem 3 are permitted	<r1></r1>		

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Robot displays colored VEX Team Identification plates on at least (2) opposing sides, with only (1) color visible and the team number displayed in white text.	<r24></r24>
Robot does NOT contain any components which will be intentionally detached on the playing field.	<g5></g5>
Robot does NOT contain any components that could entangle or damage the playing field or other robots.	<r4></r4>
Robot does NOT contain any sharp edges or corners.	<r4></r4>
Robot Brain power button is accessible without moving or lifting the robot.	<r23></r23>
Team testifies that the designing, building, and programming of the robot was done only by the students on the team.	<r2>, <g2>, <g6></g6></g2></r2>

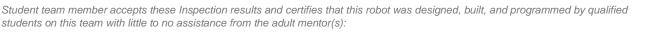
VEX Parts Inspection

contained inside a pneumatic sub-system is only being used to actuate legal pneumatic devices. Robot contains no components obtained from the V5 beta program. If any custom cables are used, they are made only with official V5 Cable Stock. Any NON-FUNCTIONAL decorations do not imitate game or field objects as a distraction for the V5 Vision Sensor.	<r6> <r21> <r12></r12></r21></r6>
Robot uses a maximum of two (2) VEX pneumatic air reservoirs (maximum 100 psi per air reservoir) and the compressed air	<r17></r17>
from legal parts are allowed. NO method of attachment NOT provided by the VEX Design System is used (welding, gluing, etc.).	<r20></r20>
NO VEX electrical or pneumatic components have been modified from their original state. Custom motor cartridges created	<r20></r20>
Robot uses only one (1) vs Robot Battery Li-Ion Trouman. Robot is controlled by no more than two (2) V5 Controllers.	<r10></r10>
Robot contains no VEX 2-wire Motors and no 5.5W V5 Workcell motors. Robot uses only one (1) V5 Robot Battery Li-Ion 1100mAh.	<r10></r10>
Total number of V5 Smart Motors is not more than eight (8). Robot contains no VEX 2-wire Motors and no 5.5W V5 Workcell motors.	<r16> <r16></r16></r16>
None of the electronics are from the VEXplorer, VEXpro, VEX-RCR, VEX IQ, VEX Cortex, or VEX Robotics by Hexbug. This includes the EXP Brain, EXP Controller, and EXP battery.	<r6></r6>
Robot utilizes the VEXnet wireless communication system and no other wireless communication during matches.	<r15></r15>
Robot has only (1) VEX V5 Robot Brain and no additional microcontrollers.	<r14></r14>
Any non-shattering plastic (0.070" or thinner) on the robot fits within the space of a single sheet of material not larger than 12"x24".	<r9></r9>
ALL components on the robot NOT meeting VRC inspection criteria are NON-FUNCTIONAL decorations.	<r12></r12>
Robot does not use VEX products not intended for use as a robot component or any VEX packaging.	<r6></r6>
ALL robot components are OFFICIAL VEX V5 components as sold on VEXrobotics.com or materials used as color filters, minimal grease or lubricant, minimal anti-static compound, hot glue for cable connections, unlimited amount of rope/string, with a thickness/diameter between 1/8" (3mm) and 1/4" (6.35mm), rubber bands and zip ties that are identical to those included in the V5 product line, cable protection materials and tape for connections and labeling, and certain non-VEX screws, nuts and washers.	<r6>, <r7>, <r10>, <r11> <r13></r13></r11></r10></r7></r6>

Team has fully read and understands the game manual and Q&As, including but not limited to G1, G2, G3, G6, R1, R2, and T1.
Team and coach have fully read and understand the Code of Conduct and Student-Centered Policy.

Final Inspection Pass (Circle when passed)

Inspector Signature: _____



Team Member Signature:

Coach Signature: _____

