Tournament Robot Inspection - VEX V5

Team Number:_____ **Division:**_____

☐	Team is only competing with one (1) robot, no spare or backup robots	<R1>
☐	Robot has two (2) license plates: red or blue (not both), mounted on opposing horizontal sides that show legible team number in white font	<R4>
☐	Robot has no intentionally detachable components, entanglement hazards, or parts that may damage the field or other robots	<GG8> <GG9>
☐	Robot fits within an 18” x 18” x 18” volume before expansion in all legal starting configurations, with license plates attached	<R3>
☐	Robot does not expand beyond 50 inches vertically, and 24 inches horizontally	<SG2> <SG3>
☐	Robot uses one (1) official VEX V5 Robot Brain and no additional microcontrollers	<R6>
☐	Power button and/or battery connection are clearly visible and accessible without moving the robot	<R7>
☐	Brain has the latest firmware installed and is properly named with Team Number	<R8>
☐	Combined motor voltage does not exceed 88W equivalent, including those not plugged in	<R10>
☐	All Drivetrain motors are limited to a combined maximum of 55W and are not shared with any other subsystem	<R11>
☐	Robot uses one (1) official VEX V5 Battery and no other power sources	<R12>
☐	Robot uses at least one (1) VEX radio and only VEXnet wireless communication	<R13>
☐	Robot is controlled by no more than two (2) VEX V5 Controllers	<R15>
☐	Robots may be built using ONLY official VEX V5 Electronics - no Electronics have been modified	<R16>
☐	All components are not intended to damage other robots or field elements	<R18>
☐	No electronics from V5 beta, other VEX product lines, or VEX Robotics by HEXBUG	<R18>
☐	Only official VEX components are used; no packaging or non-robot VEX items	<R18>
☐	No 3D printed parts or decorations, including non-functional decorations and license plates	<R18>
☐	No excessive grease, anti-static spray, or aerosol lubricants. No grease on V5 Smart Motors or motor cartridges.	<R19>
☐	Hot glue used only for cable strain relief	<R19>
☐	Rope/string is ≤ ¼” (6.35mm) thick	<R19>
☐	Rubber bands no larger than 7.5” long and 0.25” wide	<R19>
☐	Plastic zip ties no larger than 12” long and 0.25” wide	<R19>
☐	If custom wires are used, wires use only official VEX V5 Smart Cable stock	<R20>
☐	Tape is used only for allowed purposes (labels, license plate backing, pneumatic fittings, decoration, securing ends of VEX cables)	<R21>
☐	Non-VEX screws/nuts match VEX dimensions, shoulder screws with a shoulder length <= 0.20" and a diameter <= 0.176"	<R22>
☐	No welding, soldering, or adhesive bonding of structural components	<R27>
☐	Thread-locker used only for securing hardware	<R27>
☐	All pneumatic components are legal and unmodified	<R25>
☐	If team has pneumatics, a maximum of two (2) Air Tanks are used (≤100 psi). VEX Pressure Gauge required.	<R25> <R26>
☐	If plastic is used, it is non-shattering	<R24>
☐	No more than twelve (12) pieces of custom plastic; each from one (1) flat sheet that is ≤ 4” x 8”	<R24>
☐	No custom plastic thicker than 1/16” / 0.070” (1.78mm)	<R24>

Yes / No	Team confirms all designing, building, coding was performed only by student members
Yes / No	Team has read and understands the Game Manual and official Q&A rulings
Yes / No	Team has read and understands the Student-Centered Policy

Final Inspection: ☐ PASS ☐ PARTIAL (changes required before match play)

Inspector Signature:_____

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