

Team Number: \_\_\_\_\_ Robot: \_\_\_\_ of \_\_\_\_\_

## Size Inspection

<input type="checkbox"/> Robot fits within starting size restrictions (24"/609.6mm x 24" x 24" or 15"/381mm x 15" x 15") and horizontal expansion limit (24"/914.4mm maximum in a single direction). Robot License Plates must be installed for sizing inspection.	<VUR1>
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## Overall Inspection

<input type="checkbox"/> Robot displays colored Robot License Plates on at least two (2) opposing sides, with only one (1) color visible and the team number displayed legibly in white text.	<R10>
<input type="checkbox"/> Robot does not have components that are intentionally detachable, pose an unnecessary risk of entanglement, or pose a risk of potential damage to the field elements or other robots.	<G6> <R6>
<input type="checkbox"/> Robot Brain power button is accessible without moving or lifting the robot.	<R26>
<input type="checkbox"/> Team testifies that the designing, building, programming, & fabrication of the robot was done only by the students on the team.	<R2> <G2> <G4> <VUR7>

## VEX Parts Inspection

<input type="checkbox"/> ALL robot components (except sensors or electronics) are OFFICIAL and legal VEX products (or legal identical versions) or listed as an exception below: <ul style="list-style-type: none"> <li>▪ Robot can use an unlimited amount of non-shattering plastic</li> <li>▪ Robot can use an unlimited amount of legal raw stock (sheets, billets, bars, hollow bars/rods/tubes, rods/wires/filament)</li> <li>▪ Robot can use an unlimited amount of plastic 3D printed parts</li> <li>▪ Robot can use an unlimited amount of rope/string</li> <li>▪ Any grease is used only in moderation on components that do not contact the field or game objects</li> <li>▪ Robots can use commercially available springs</li> <li>▪ Robots can use any commercially available fastener</li> <li>▪ Fabrication techniques such as bending, welding, and bonding are permitted</li> <li>▪ Any commercially available pneumatic components that are rated at least 100 psi are permitted and the compressed air contained inside a pneumatic sub-system is only being used to actuate legal pneumatic devices</li> </ul>	<R8> <R20> <R21> <R22> <VUR2> through <VUR9> <VUR14>
<input type="checkbox"/> Robot does not use commercial, prefabricated parts that are not part of the VEX line or fabricated parts that were not made by team members.	<VUR5> <VUR7>
<input type="checkbox"/> Robot does not use VEX electronics that are specifically listed as being banned.	<VUR2>
<input type="checkbox"/> Robot does not use VEX products not intended for use as a robot component or any VEX packaging.	<R7>
<input type="checkbox"/> ALL components on the robot NOT meeting inspection criteria are NON-FUNCTIONAL decorations that do not imitate game or field objects as a distraction for sensors.	<R9>
<input type="checkbox"/> Robot has only one (1) VEX V5 Robot Brain and no additional VEX microcontrollers.	<VUR10>
<input type="checkbox"/> Robot must use one (1) or two (2) V5 Robot Radios, and no other types of wireless communication protocol.	<VUR10>
<input type="checkbox"/> Robot uses only unmodified V5 Smart Motors and/or EXP Smart Motors. No other motors, servos, or electronic actuators are used on the Robot.	<VUR11>
<input type="checkbox"/> Robot uses one (1) V5 Robot Battery Li-Ion 1100mAh as the primary power source.	<VUR12>
<input type="checkbox"/> Sensors & electronics MUST be connected to the V5 Robot Brain via any of the externally accessible ports. They cannot directly electrically interface with the VEX motors.	<VUR12>
<input type="checkbox"/> No more than one (1) additional lithium ion, lithium iron or nickel metal hydride battery may be used solely for powering additional sensors and electronics. Only a V5 battery can power the V5 brain.	<VUR12>
<input type="checkbox"/> Robot is not controlled by more than two (2) V5 Controllers.	<R24>
<input type="checkbox"/> NO VEX electrical or pneumatic components have been modified from their original state.	<R15> <VUR13>

## Team Verification

	Initial
<input type="checkbox"/> Team has fully read and understands the game manual and Q&As, including but not limited to G1, G2, G4, R2, R18, T1, T4, and VUT1.	
<input type="checkbox"/> Team has fully read and understands the Code of Conduct and Student-Centered Policy	

\* Robot passes inspection when all checkboxes are complete, and this form includes inspector and team signatures.

## Final Inspection

Pass

(Circle when passed)

Student team member accepts these Inspection results and certifies that this robot was designed, built, and programmed by qualified students on this team with little to no assistance from the adult mentor(s):

Team Student Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Inspector Signature: \_\_\_\_\_

Date: \_\_\_\_\_