2025-2026 Robot Inspection Checklist

Team Number: _____ **Robot #** _____ of _____

Team Verification

	Initial
☐ Team testifies that the designing, building, and programming of the robot was done only by the students on the team.	
☐ Team has fully read and understands the game manual and Q&As, including but not limited to G1-G4, R1-R4, T1, & T3.	
☐ Team and coach have fully read and understand the Code of Conduct and Student-Centered Policy.	

Size Inspection

☐ 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"x24"x24"/914.4mm or 22"x22"x22"/558.8mm maximum). Robot License Plates must be installed for sizing inspection.	<VUR1> <VUG2>

Overall Inspection

☐ Robot has red or blue (not both!) Robot License Plates mounted on exactly two (2) opposing sides, with the team number displayed legibly in white text.	<R6>
☐ 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.	<GG8-9> <GG9> <R19>

Electronics Inspection

☐ Robot Brain has the latest firmware listed on VEX.com/firmware. If an event uses the Smart Field Control System, the robot brain must be named with the team number & letter (with no spaces).	<R10>
☐ No VEX electrical components have been modified from their original state.	<R28>
☐ Robot Brain power button is accessible without moving or lifting the robot.	<R9>
☐ Robot has only (1) VEX V5 Robot Brain.	<VUR10>
☐ Robot has at least one VEX radio. Robot utilizes the VEXnet wireless communication system and no other wireless communication during matches.	<VUR10>
☐ 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>
☐ Robot uses one (1) V5 Robot Battery and no other power sources to power the Brain.	<VUR12e>
☐ Additional sensors and electronics are connected to the V5 Robot Brain via unmodified, externally accessible ports; none directly electrically interface with VEX motors and/or solenoid.	<VUR12b>
☐ Power to additional sensors and electronics (if used) is provided by a lithium ion, lithium iron or nickel metal hydride battery pack that operates at a maximum of 12 volts nominal.	<VUR12d>
☐ Robot does not include commercially-available Electromechanical Assemblies.	<VUR13>

Pneumatics Inspection

☐ All pneumatic components are commercially available and rated for 100 psi or higher.	<VUR14>
☐ Pneumatic devices are not charged above 100 psi.	<VUR14a>
☐ Components have not been modified from their original state.	<VUR14d>

Detailed Components Inspection

☐ Robot only uses VEX products that are intended for use as a robot component, and doesn't use any VEX packaging.	<R19j>
☐ Robot does not have excessive anti-static compound, cooling spray, grease, or lubricant that could transfer to the field or game objects; no aerosol lubricant.	<R20b-c>
☐ Robot does not use VEX electronics that are specifically listed as being banned.	<VUR2>
☐ Fabricated Parts were made from legal Raw Stack used allowed manufacturing process as demonstratable by the team.	<VUR3> <VUR4>
☐ The robot does not include unapproved materials in the form of raw stock that was post-processed by drilling, machining, or other method or removing material	<VUR5>
☐ The robot does not include unapproved materials in the form of extrusions, including non-rectangular aluminum or gear stock	<VUR5>
☐ The robot does not include unapproved materials in the form of non-VEX pre-assembled items or kits that form a single, more complex component, including gear boxes, claw mechanisms, and swerve drive modules	<VUR5>
☐ The robot does not include unapproved materials in the form of non-VEX commercial off-the-shelf items that are intended to be used with minimal modification, including wheels, gears, timing belts, and pulleys	<VUR5>
☐ The robot does not include unapproved materials in the form of materials that are intended to be cast or sintered, including resin / powdered-bed 3D printing and molten metal used for sand casting	<VUR5>
☐ No materials on the robot pose a safety or damage risk to the event, other teams, or field elements.	<VUR6>
☐ All Fabricated Parts have corresponding documentation that demonstrates the team's design and construction process for those Fabricated Parts. Minimum acceptable documentation is an engineering drawing with multiple view of the part.	<VUR7>

Sensors

	Y/N
☐ Does your robot use any sensors that are dependent on the quality and/or consistency of field lighting (e.g., optical sensor, vision sensor, or GPS sensor)?	

Final Inspection Pass *(Circle when passed)* **Inspector Signature:** _____

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 Member Signature: _____