



Robot Inspection Checklist



Division: _____ Team Number: _____
Robot: _____ of _____

Size Inspection

<input type="checkbox"/> Robot fits within starting size restrictions (24" x 24" x 24" or 15" x 15" x 15") does not touch walls or ceiling of the sizing box! <i>Robot should be measured WITH Team ID # Plates installed.</i>	R4, VUR1
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Overall Inspection

<input type="checkbox"/> Robot displays Colored VEX Team Identification Number on at least (2) opposing sides.	R20
<input type="checkbox"/> Robot does NOT contain any components which will be intentionally detached on the playing field.	G4
<input type="checkbox"/> Robot does NOT contain any components that could damage the playing field or other robots.	R3
<input type="checkbox"/> Robot does NOT contain any sharp edges or corners.	R3
<input type="checkbox"/> Robot poses NO obvious unnecessary risk of entanglement.	R3
<input type="checkbox"/> Robot on/off switch is accessible & Microcontroller lights are visible without moving or lifting the robot.	R17

VEX Parts Inspection

<input type="checkbox"/> ALL non-team-fabricated (i.e. within VUR3) Robot components (except sensors or electronics) are (or are IDENTICAL to) OFFICIAL VEXpro, VEX EDR, and VEX IQ Products.	R5, R6, R7
<input type="checkbox"/> Robot can use an unlimited amount of non-shattering plastic	VUR3
<input type="checkbox"/> Robot can use an unlimited amount of composite materials such as G10, FR-4 or carbon fiber.	VUR3
<input type="checkbox"/> Robot can use an unlimited amount of plastic 3D printed parts.	VUR3
<input type="checkbox"/> Robot can use an unlimited amount of steel and aluminum.	VUR3
<input type="checkbox"/> Robot does not use VEX products not intended for use as a robot component or any VEX packaging.	R5b
<input type="checkbox"/> ALL Components on the Robot NOT meeting VRC Inspection Criteria are NON-FUNCTIONAL decorations.	R7d
<input type="checkbox"/> Any grease is used only in moderation on components that do not contact the field, objects.	R7e
<input type="checkbox"/> Robot has only (1) VEX V5 Robot Brain.	VUR4
<input type="checkbox"/> Robot contains no VEX 2-wire Motors.	R12c
<input type="checkbox"/> Robot uses one (1) V5 Robot Battery Li-Ion 1100mAh.	R14b
<input type="checkbox"/> Robot contains no Components obtained from the V5 beta program.	R5e
<input type="checkbox"/> Sensors & Electronics MUST be connected to the VEX Microcontroller, and can only be connected via any of the externally accessible ports. They cannot directly electrically interface with the VEX motors.	VUR7
<input type="checkbox"/> An additional battery may be used solely for powering additional sensors and electronics.	VUR7c
<input type="checkbox"/> If any custom cables are used, they are made only with official V5 Cable Stock.	R16c
<input type="checkbox"/> Team only utilize VEX Battery Chargers.	R14b
<input type="checkbox"/> Robot is controlled by up to two (2) V5 Controller.	R15
<input type="checkbox"/> NO VEX electrical components have been modified from their original state.	R15a
<input type="checkbox"/> NO Method of attachment NOT provided by the VEX Design System is used. (Welding, Gluing, etc.)	R15b
<input type="checkbox"/> Robot Brain has the latest firmware listed on VEX.com/firmware	
<input type="checkbox"/> If Vision sensor is used, it has been calibrated & tested on competition fields or team accepts responsibility for doing so	

Field Control Check

<input type="checkbox"/> Robot successfully completes the "Field Control Check" Procedure. See Inspection Guidelines	R22
<input type="checkbox"/> Robot enters Autonomous mode when prompted with no driver control for duration of Autonomous	R21
<input type="checkbox"/> The Hand-held Controller(s) ONLY control the robot when robot is in Driver mode	R21

Final Inspection: **Pass** **Fail**

Final Inspection Pass/Fail: _____ Inspector's Signature: _____ Team Initials: _____