



Robot Inspection Checklist – V5



Team Number: _____ Division: _____

Size Inspection

<input type="checkbox"/> Robot fits within starting size restrictions (18" x 18" x 18") without touching walls or ceiling of the sizing tool. Team ID Plates must be installed for sizing inspection.	R4, R28
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Overall Inspection

<input type="checkbox"/> Team is only competing with ONE robot. They have no spare or replacement robots.	R1
<input type="checkbox"/> Robot displays colored VEX Team Identification plates on at least (2) opposing sides.	R28
<input type="checkbox"/> Robot does NOT contain any components which will be intentionally detached on the playing-field.	G5
<input type="checkbox"/> Robot does NOT contain any components that could entangle or 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 on/off switch is accessible without moving or lifting the robot.	R24

VEX Parts Inspection

<input type="checkbox"/> ALL Robot components are (or are IDENTICAL to) OFFICIAL VEX Products as sold on VEXrobotics.com (No 3D printed functional parts are allowed)	R5, R6, R7
<input type="checkbox"/> Robot does not use VEX products not intended for use as a robot component or any VEX packaging.	R5
<input type="checkbox"/> ALL Components on the Robot NOT meeting VRC Inspection Criteria are NON-FUNCTIONAL decorations	R12
<input type="checkbox"/> Any grease is used only in moderation on components that do not contact the field, objects, or other robots.	R7
<input type="checkbox"/> Any non-shattering plastic on the robot was cut from a single sheet of 0.070" material not larger than 12"x24".	R9
<input type="checkbox"/> Robot has only (1) VEX V5 Robot Brain	R15
<input type="checkbox"/> Robot utilizes the VEXnet wireless communication system.	R11
<input type="checkbox"/> None of the electronics are from the VEXplorer, VEXpro, VEX-RCR, VEX IQ, or VEX Robotics by Hexbug.	R5
<input type="checkbox"/> Total number of Smart Motors is not more than eight (8) without use of pneumatics or six (6) with use of pneumatics.	R17
<input type="checkbox"/> Robot contains no VEX 2-wire Motors.	R17
<input type="checkbox"/> Robot uses one (1) V5 Robot Battery Li-Ion 1100mAh.	R19
<input type="checkbox"/> Team only utilize VEX Battery Chargers.	R19
<input type="checkbox"/> Robot is controlled by up to two (2) V5 Controller.	R20
<input type="checkbox"/> NO VEX electrical components have been modified from their original state.	R21
<input type="checkbox"/> NO Method of attachment NOT provided by the VEX Design System is used. (Welding, Gluing, etc.)	R22
<input type="checkbox"/> Robot uses a maximum of two (2) VEX pneumatic air reservoirs. (Maximum 100 psi per air reservoir)	R26
<input type="checkbox"/> Robot contains no Components obtained from the V5 beta program.	R5
<input type="checkbox"/> If any custom cables are used, they are made only with official V5 Cable Stock.	R23
<input type="checkbox"/> Any NON-FUNCTIONAL decorations do not imitate Game or Field objects as a distraction for the vision sensor.	R12
<input type="checkbox"/> Robot Brain has the latest firmware listed on VEX.com/firmware	R21
<input type="checkbox"/> Remind team to calibrate and test Vision Sensor on competition fields before first match	

Field Control Check

<input type="checkbox"/> Robot successfully completes the "Field Control Check" Procedure. See Inspection Guide.	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 (Circle) Pass Fail

Student team member accepts these Inspection results and agrees that this robot was designed, built, and programmed by qualified students on this team, with little assistance from the adult mentor(s):

Team Signature: _____

Inspector Signature: _____