Robot Inspection Checklist

Team Number:_____ **Team Name**: _____

Grade Level: Elementary School ☐ Middle School ☐ **Division**: _____

Inspection Item	Rule #
☐ At the start of the match, the robot must only (1) contact the Floor and Field Perimeter, (2) fit within a 11" x 19" area, bounded by the Starting Position and (3) be no taller than 15". A Robot **may not expand beyond its 11" x 19" x 15" starting area constraint at any time** during the match and must demonstrate how it will keep to this limit. Robots that can expand beyond this size will be permitted to pass inspection as long as the drive members agree to never drive in this configuration during a match and will accept responsibility for these actions.	**<R4>** **<R5>**
☐ Robot is constructed ONLY from official **Robot** components from the VEX IQ product line and the mechanical/structural components from the VEX Robotics by HEXBUG product line. All rubber bands must be identical in length and thickness to those included in the VEX IQ product line.	**<R7>** **<R8>**
☐ Robot uses no more than 6 (six) VEX IQ Smart Motors. Additional motors cannot be used on the robot, even ones that are not connected.	**<R11>**
☐ Robot uses no more than 1 (one) single VEX IQ battery pack or 6 (six) AA batteries. Additional batteries cannot be used, even ones that are not connected.	**<R12>**
☐ Robot uses ONLY 1 (one) VEX IQ Robot Brain. Robot uses ONLY 1 (one) VEX IQ Controller to drive during Teamwork and Robot Skills Challenge matches.	**<R10>**
☐ Robot installed VEX IQ Brain can communicate with the **VEX IQ Controller and is properly paired using VEX IQ 900 MHz radio, VEX IQ 2.4 GHz radio, or VEX IQ Smart Radio**.	**<R10>**
☐ No Robot parts have been modified with the exception of cutting metal VEX IQ or VEX EDR shafts to any custom length.	**<R13>**
☐ Robot does not have components that are intentionally detachable, pose an unnecessary risk of entanglement, or pose a risk of potential damage to the playing Field Elements or other robots.	**<R14>**
☐ Any Robot decorations are nonfunctional and do not affect performance.	**<R8>**
☐ Robot displays, on 2 (two) opposing sides, clearly visible, the VEX IQ Challenge license plates with the team number clearly written on them.	**<R3>**

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

Final Inspection *(Circle when passed)* **Pass**

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 Student Signature: _____ **Date:** _____

Inspector Signature: _____ **Date:** _____