Robot Inspection Checklist

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

Grade Level: _____ Elementary School ☐ Middle School ☐

	Inspection Item	Ruling #
☐	At the start of the match, the robot must only (1) contact the Floor, (2) fit within a 11” x 20” area, bounded by the Starting Position and (3) be no taller than 15”. A Robot **may not expand beyond its 11” x 20” starting area constraint at any time** during the match.	**<R4>**
☐	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.	**<R6>** **<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.	**<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>**
☐	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.*

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:** _____