

# Robot Inspection Checklist

Team Number: \_\_\_\_\_ Division: \_\_\_\_\_

Inspection Item	Rule #
<input type="checkbox"/> Team is only competing with ONE robot. They have no spare or replacement robots. Multiples of subsystem 3 is permitted.	<R1>
<input type="checkbox"/> Team testifies that the designing, building and programming of the robot was done only by the students on the team.	<R2>
<input type="checkbox"/> Robot displays at least one (1), clearly visible, VEX IQ Challenge license plates, or custom plates (of similar size) with the team number clearly written on them.	<R4>
<input type="checkbox"/> The Robot fits within the starting size of 11" x 19" x 15", bounded by the Starting Position.	<R5> <R6>
<input type="checkbox"/> Robot is constructed ONLY from official <b>Robot</b> 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. 1/8 <sup>th</sup> metal shafts from the VEX EDR product line are legal.	<R7> <R8>
<input type="checkbox"/> Any Robot decorations are nonfunctional and do not affect performance.	<R8>
<input type="checkbox"/> Robot installed VEX IQ Brain can communicate with the <b>VEX IQ Controller and is properly paired using VEX IQ 900 MHz radio, VEX IQ 2.4 GHz radio, or VEX IQ Smart Radio.</b>	<R9>
<input type="checkbox"/> Robot uses no more than (6) VEX IQ Smart Motors. Additional motors cannot be used on the robot, even ones that are not connected.	<R10>
<input type="checkbox"/> Robot uses no more than (1) single VEX IQ battery pack or (6) AA batteries. Additional batteries cannot be used, even ones that are not connected.	<R11>
<input type="checkbox"/> VEX IQ firmware (VEXos) is up to date. <a href="http://vexrobotics.com/vexiq/resources/vexos">vexrobotics.com/vexiq/resources/vexos</a>	<R12>
<input type="checkbox"/> No Robot parts have been modified with the exception of cutting <b>metal</b> VEX IQ or VEX EDR shafts to any custom length.	<R13>
<input type="checkbox"/> 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 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: \_\_\_\_\_