



# Competition Inspection Checklist

Time of Inspection: \_\_\_\_\_

Inspection Type:                      Initial                      Mandated                      Random

|                                    |  |
|------------------------------------|--|
| <b>Size Inspection</b>             |  |
| <input type="checkbox"/>           | Robot fits within the Sizing Box (18"x18"x18) without exerting force on box sides or top.  |
| <b>Overall Inspection</b>          |  |
| <input type="checkbox"/>           | Team Number is visible from the top, is written in 3" tall, 3/4" stroke on a contrasting background or are a standard team nameplate |
| <input type="checkbox"/>           | Robot does NOT contain any components which will be intentionally detached on the playing field.                                     |
| <input type="checkbox"/>           | Robot does NOT contain any components that could damage the playing field or other robots.   |
| <input type="checkbox"/>           | Robot does NOT contain any sharp edges or corners.   |
| <input type="checkbox"/>           | Robot poses NO obvious unnecessary risk of entanglement either mechanical or MAGNETIC.   |
| <input type="checkbox"/>           | Radio Crystals are easily accessible.  |
| <input type="checkbox"/>           | Robot flag holder is present and adequately holds the flag during normal operation.  |
| <input type="checkbox"/>           | ALL decorating components on the robot NOT meeting VEX inspection criteria are non-functional  |
| <b>Parts Inspection</b>            |  |
| <input type="checkbox"/>           | All robot components are official VEX (or identical to) products as sold on VexRobotics.com  |
| <input type="checkbox"/>           | Robot does not utilize any of the VEX packaging materials, or materials other than those listed.                                     |
| <input type="checkbox"/>           | None of the electronics are from the VEX-RC "blue" product line.   |
| <input type="checkbox"/>           | Robot has only one VEX Microcontroller.  |
| <input type="checkbox"/>           | Total number of servos and motors is not greater than ten.   |
| <input type="checkbox"/>           | Robot uses a maximum of two VEX Y-PWM cables.  |
| <input type="checkbox"/>           | Robot uses one power pack as the only power source. No other batteries are legal.  |
| <input type="checkbox"/>           | Robot uses a maximum of two RF receivers.  |
| <b>Additional Parts Inspection</b> |  |
| <input type="checkbox"/>           | Robot uses only magnets from K&J Magentics, part number BX041-N50.   |
| <input type="checkbox"/>           | Robot uses only heat-shrink tubing from McMaster-Carr, parts numbered 7132K511-7132K583  |
| <input type="checkbox"/>           | Robot contains no more than ten elastic bands, and they are #32 type.  |
| <input type="checkbox"/>           | Robot contains no more than 80" of 1/8" diameter nylon rope.   |
| <input type="checkbox"/>           | Robot contains no more than 6" of 3/4" wide velcro.  |
| <input type="checkbox"/>           | Robot contains no more than 12" x 15" of non-slip pad.   |
| <b>Construction Inspection</b>     |  |
| <input type="checkbox"/>           | No electrical components have been modified from their original state.   |
| <input type="checkbox"/>           | No method of attachment NOT provided by VEX is used.   |
| <input type="checkbox"/>           | If thread-lock is used, it is used for securing screws and fasteners ONLY.   |
| <b>Software Inspection</b>         |  |
| <input type="checkbox"/>           | Robot contains the VEX v7 Master Code and runs autonomously for the first 20 seconds after the transmitter link-up.                  |

Reason for Failure (if any):

I hereby state that all of the above is true, and to the best of my knowledge all rules and regulations have been abided by.

Inspector: \_\_\_\_\_

Participant: \_\_\_\_\_