

# Appendix 1: Forms

## Overview

This section contains the following form for use by *FIRST* Vex Challenge teams:

- Competition Inspection Checklist

# Competition Inspection Checklist

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

Inspection Type: \_\_\_\_\_ Initial \_\_\_\_\_ Mandated \_\_\_\_\_ Random

## Size Inspection

<input type="checkbox"/>	Robot fits within the Sizing Box (18" x 18" x 12") without exerting force on box sides or top.	R4
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## Overall Inspection

<input type="checkbox"/>	Team Number is visible from 2 sides, is written in 3" tall, 3/4" stroke on a contrasting background.	R10
<input type="checkbox"/>	Robot does NOT contain any components which will be intentionally detached on the playing-field.	R3
<input type="checkbox"/>	Robot does NOT contain any components that could 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 poses NO obvious unnecessary risk of entanglement	R3
<input type="checkbox"/>	Radio Crystals are easily accessible without robot disassembly.	R11

## Vex Parts Inspection

<input type="checkbox"/>	ALL Robot components are OFFICIAL Vex Products (from RadioShack or VexLABS.com)	R5
<input type="checkbox"/>	Robot has only (1) Vex Microcontroller.	R5
<input type="checkbox"/>	Total number of servos and motors is not more than (8).	R5
<input type="checkbox"/>	Robot uses (1) Vex Power Pack as the ONLY power source.	R5
<input type="checkbox"/>	Robot uses a maximum of (2) RF receivers.	R5

## Additional Parts Inspection

<input type="checkbox"/>	Robot contains no more than 5 elastic bands, and they are #32 type.	R5
<input type="checkbox"/>	Robot contains no more than 24" of 1/8" dia. Nylon rope.	R5
<input type="checkbox"/>	Robot contains no more than 6" of 3/4" wide Velcro.	R5
<input type="checkbox"/>	Robot contains no more than 12" x 15" of Non-Slip Pad.	R5

## Construction Inspection

<input type="checkbox"/>	NO Vex electrical components have been modified from their original state.	R9
<input type="checkbox"/>	NO Method of attachment NOT provided in Vex kit is used.	R9
<input type="checkbox"/>	If thread-locker is used, it is used for securing hardware ONLY.	R9

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 of the 2005-2006 FIRST Vex Challenge have been abided by.

\_\_\_\_\_  
Inspector

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Team Student Representative