VEX Robotics Competition - *Sack Attack*

Robot Inspection Checklist (VEXnet or Crystal)

Team Number: _____

Size Inspection

	Robot fits within starting size restrictions (18" x 18" x 18") does not touch walls or ceiling of the sizing box! *Robot should be measured WITH Robot Flag & Team ID # Plates installed.*	R4

Overall Inspection

	Team is only competing with **ONE** robot - they have no spare or replacement robots.	R1
	Robot displays VEX Team Identification Number on at least (2) opposing sides.	R18
	Robot does **NOT** contain any components which will be intentionally detached on the playing-field.	G10
	Robot does **NOT** contain any components that could damage the playing-field or other robots.	R3
	Robot does **NOT** contain any sharp edges or corners.	R3
	Robot poses **NO** obvious unnecessary risk of entanglement.	R3
	Robot on/off switch is accessible & Microcontroller lights are visible without moving or lifting the robot.	R16
	Robot Flag Holder is present and adequately holds the flag during normal robot operation.	R19
	When installed the Robot Flag is non-functional and does not extend outside the sizing box.	R19ab

VEX Parts Inspection

	ALL Robot components are (or are IDENTICAL to) OFFICIAL VEX Products as sold on VEXrobotics.com	R5 R6 R7
	Robot does not use VEX products not intended for use as a robot component or any **VEX** packaging.	R5b
	ALL Components on the Robot NOT meeting VRC Inspection Criteria are **NON-FUNCTIONAL** decorations	R7d
	Any grease is used only in moderation on components that do not contact the field, objects, or other robots.	R7e
	Any non shattering plastic on the robot was cut from a single sheet of 0.0625" material not larger than 12"x24".	R7f
	Robot has only (1) VEX EDR Microcontroller (Cortex or PIC)	R9
	Robot utilizes the VEXnet wireless communication system, or VEX 75 MHz Crystals when allowed	R10
	None of the *electronics* are from the VEXplorer system.	R10b
	Total number of Servos and Motors is not more than ten (10).	R11
	Each 2-wire motor is plugged into its own 2-wire port or into a Model 29 motor controller	R11a
	A motor may only be controlled by a single controller port	R11b
	Robot uses a maximum of (1) Y-Cable per each 3-wire Motor Port (cannot "Y" off a 2-wire Motor Port)	R12
	Robot uses (1) VEX 7.2V (Robot) Power Pack as the primary power source.	R13
	If the Robot has a Power Expander, it has a 2nd 7.2V (Robot) Power Pack	R13
	Robot uses a maximum of (1) VEX Power Expander	R13b
	If Using VEXnet, Robot has a charged 9V Backup Battery connected	R13c
	Robot is not controlled by more than (2) VEX hand-held transmitters.	R14
	NO VEX electrical components have been modified from their original state.	R15a
	NO Method of attachment NOT provided by the VEX Design System is used. (Welding, Gluing, etc.)	R15b

Field Control Check

	Robot successfully completes the "Field Control Check" Procedure - See Inspection Guidelines	R20
	Robot enters Autonomous mode when prompted - with no driver control for duration of Autonomous	R20
	The Hand-held Controller(s) ONLY control the robot when robot is in Driver mode	R20

Pass / Fail: _____   Inspector Initials: _____   Team Initials: _____