

Robot Inspection Checklist

Team Number: _____ Robot Inspection Status (circle): PASS / FAIL

Robot Size Inspection Robot is presented at inspection with all mechanisms (including all components of each mechanism), configurations, and decorations that will be used on the Robot during the competition. Separately test the Robot in all of its unique starting (pre-match setup) configurations. The Robot fifs within the Sizing Tool without exerting undue force on the Sizing Tool sides and Robot Motion Warning Label is attached if servo motors move during the Robot initialization. Robot Motion Warning Label is attached if servo motors move during the Robot initialization. Robot does not contain any components that could damage the Playing Field or other Robots. Robot does not contain materials that are hazardous. Robot does not contain saminal-based, liquid, or gel materials. Robot does not contain animal-based, liquid, or gel materials. Robot does not contain materials that would cause a delay of game if released. Robot does not contain elements that electrically ground the Robot frame to the Playing Field. Robot does not contain in bydraulic devices. Robot does not contain vydraulic devices. Robot devices are present and meet requirements. RRG01> RRG01> RRG05> RRG05> RRG05> Robot dechanical Parts and Materials Rules The Main Power Switch is installed property, labeled, readily accessible, and visible to competitio							
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REV SPARK Mini Motor Controllers and REV Servo Power Modules are powered by the Robot main battery or a REV Control or Expansion Hub XT30 port.				<re05>a</re05>			
Robot main battery or a REV Control or Expansion Hub XT30 port.				<re05>a(iⅈ)</re05>			
				<re05>a(ii)</re05>			
		İ		<re05>a(iii)</re05>			

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		Light sources (including LEDs) are not focused or directed in any way, except for the REV	<re05>a(iv)</re05>		
		Robotics 2m Distance Sensor. Light sources are powered by allowed methods.	<re13> <re05>a(v)</re05></re13>		
		Video recording devices, if used, are powered by an internal battery and their wireless			
		communication capability is turned off.	<re14></re14>		
		The smartphone Robot Controller Android device (if used) is powered by its internal battery or	<re05>b</re05>		
		by the built-in charging feature of the REV Expansion Hub.	<i\l03>b</i\l03>		
		Exactly one Robot Controller (a) smartphone Android Device + REV Expansion Hub or b)	<re06></re06>		
		REV Control Hub) is required. One additional REV Expansion Hub is allowed.	<re08></re08>		
		The only allowed Motor and Servo Controllers are: REV Expansion Hub, REV Control Hub,	<re09></re09>		
		REV Servo Power Module, REV Spark Mini Motor Controller, and VEX Motor Controller 29.			
		Robot contains no more than eight (8) DC motors of the allowed models.			
		Robot contains no more than twelve (12) servos. They must be compatible with the attached			
		REV Expansion Hub, REV Control Hub, REV Servo Power Module, or VEX Motor Controller	<re11></re11>		
		29 and not exceed the manufacturer specifications for the controller.			
		Robot contains only allowed sensors and they are connected only to the REV Expansion Hub	DE:-		
		or the REV Control Hub.	<re12></re12>		
		Power and motor control wires must use consistent color coding with different colors used for			
		the positive (red, white, brown, or black with a stripe) and Negative/Common (black or blue)	<re15>f</re15>		
		wires.			
		Power, motor control, servo and sensor wires are the correct size.	<re15>i</re15>		
		If electronics are grounded to the <i>Robot</i> frame, the only approved method is the REV			
		Robotics Resistive Grounding Strap. If needed, the REV Robotics Anderson Powerpole to	DE45 I		
		XT30 adapter may connect to the Resistive Grounding Strap. No other grounding straps or	<re15>k</re15>		
		cables are allowed.			
		Approved electrical and electronic devices may be modified to make them more usable; they	DE40		
		may not be modified internally or in any way that affects their safety.	<re16></re16>		
✓	~	Wheel/Tread Playing Field Damage Test - Optional	Rule #		
		Robot did not damage the Playing Field tile. [This is an optional test that is performed only	.107		
		when an Inspector believes that the drivetrain tread may damage a Playing Field tile.]	<107>		
~	~	Team Scoring Element Inspection	Rule #		
		The Team Scoring Element is subject to the Robot Mechanical Parts and Materials Rules in	-TE04:		
		section 7.3.2.	<te01></te01>		
		Maximum size of the <i>Team Scoring Element</i> is 4 inches (10.16 cm) by 4 inches (10.16 cm) by			
		8 inches (20.32 cm). The minimum size of the <i>Team Scoring Element</i> is 3 inches (7.62 cm)	<te02></te02>		
		by 3 inches (7.62 cm) by 4 inches (10.16 cm).	-		
		Team Scoring Element must be labeled with their Team number (numerals only, for example,			
		"12345").	<te03></te03>		
		Team Scoring Element does not use or resemble any current season's COTS scoring	<te04></te04>		
		elements.	<te05></te05>		
			11 E 007		

General Comment(s) or Reas	on(s) for Failure (if any	/):	
Robot Inspector			

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