

RECF ENGAGE

ROBOTICS COMPETITION

Pass: _____

Team Number: _____ Team Signature: _____ Inspector Signature: _____

Check the box next to each rule when the robot is confirmed to be in compliance. Initial next to the word "Pass" above when the robot passes inspection.

Base Rules		Non-Electronic Components		Electronic Components	
☐	Robot is safe, and can't damage the field, people, or other robots.	☐	Robot only uses structural / mechanical components from the below product lines:	☐	Robot is easy to turn off / disable by using the power button or unplugging the battery.
☐	Official team number is clearly visible from two sides of the robot on securely attached license plates. Size of license plates is between 1.25" H x 3.25"W and 1.5" H x 3.5" W, and less than 0.75" thick.	☐	<ul style="list-style-type: none"> • VEX IQ® • VEX GO® • VEX® HEXBUG* • LEGO® Mindstorms® • LEGO® SPIKE™ Prime • LEGO® SPIKE™ Essential 	☐	All electronic components are only from the VEX IQ® or LEGO® system as defined in rule 2.2. Robot cannot mix electronic systems.
☐	Robot starting size is no larger than 11" W x 20" L x 15" H.	☐	Misc. components follow below rules:	☐	Robot has exactly one (1) robot brain, one (1) robot controller (or device that can control the robot via application) and one (1) robot battery.
☐	Robot does not expand to more than 11" W and 24" L.	☐	<ul style="list-style-type: none"> • 1/8" VEX V5® metal shafts are permitted. • Zip ties are plastic and no larger than 4" x 0.12". • Tape, cable carriers, hot glue, and cable track are only used for cable / tube management. • Rubber bands are no larger than 8" x .25". • No grease or lubricants of any kind. 	☐	If Robot is using the VEX IQ® electronic system: Robot has at least one (1) VEX IQ® Radio.
Please have student team members briefly identify all electronics, pneumatics, and every custom plastic piece on the robot.				☐	Robot has no more than six (6) motors.
Pneumatic Components		Custom plastic and decorations		Questions for team members	
☐	All pneumatic components are from the VEX IQ® system only. <i>Note: Pneumatic devices may only be charged to a max of 100 PSI during competition.</i>	☐	Robot has no more than six (6) total pieces of custom plastic, including both flat cut and 3D printed plastic. <i>Note: Custom license plates, 3D printed adapters, and 3D printed spacers are legal and not counted towards the custom plastic maximum.</i>	☐	Do you affirm that every element of your robot, including design, build, and programming, is solely the result of the effort of student team members?
		☐	Flat cut plastic pieces are each no larger than 3" x 5" in size and no thicker than 0.125" (1/8"). 3D printed plastic pieces are each no larger than 3" x 3" x 1" in size.	☐	Do you affirm that all custom plastic is designed or customized by student team members and made of only the legal material types described in rule 2.2?
☐	Robot does not have modified pneumatic components other than tubes/wiring cut to length and minor cosmetic labels.	☐	Decorations do not affect other robots.	☐	Do you understand the game rules as written in the most recent volume of the game manual?

*The HEXBUG brand is a registered trademark belonging to Spin Master Corp.

Corresponds with version 2.0 of the RECF Engage game manual, released September 29, 2026.