










VIPER HORIZONTAL SPINNER ADD-ON



Kit Includes:

1	 D2822 Brushless Motor	1	 5.5" Titanium Blade
1	 20A Brushless Controller	8	 6-32 x 1/4" Screws
1	 H-Spin Motor Mount	4	 M3x5 Phillips Screws
1	 FingerTech Blade Mount	3	 M2x12 Phillips Screws
		4	 #6 Washers

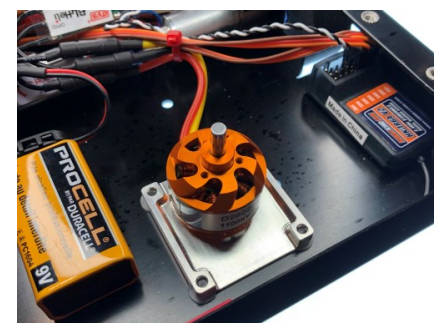
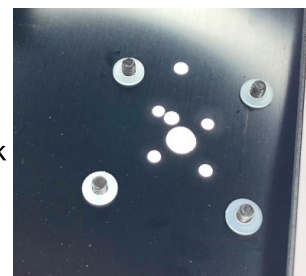
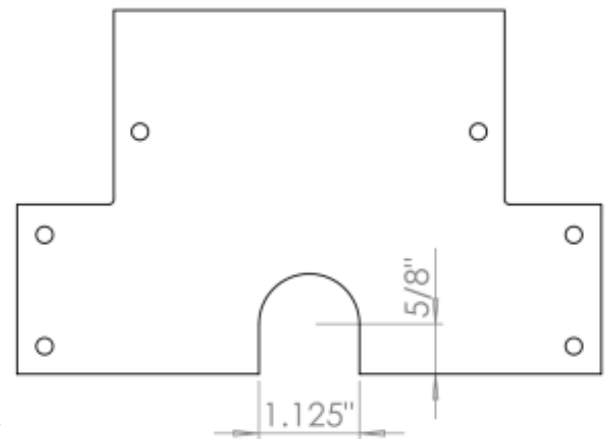
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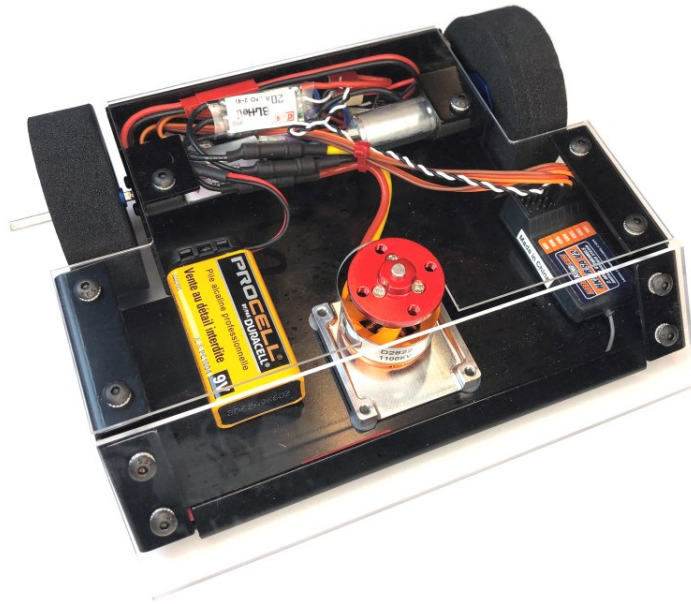
-	Twist-ties / Zip ties	-	Phillips Screwdrivers #1, #2
-	5/64" Hex Wrench (came with your Viper kit)	-	Safety C-clamp
-	Threadlock liquid (medium strength)		



This robot kit can be dangerous if not used properly. Never spin the blade outside of an arena or safety enclosure. If testing the motor, remove the blade.

1. Remove the top armor from your Viper kit and modify it as shown. (Pre-cut sets are available on our website.)
2. Mount the **Brushless Motor** to the **H-Spin Motor Mount** using four **M3 Phillips Screws** and threadlock liquid.
3. Fasten the mounted motor to the Viper chassis using four **Washers**, four **6-32 x 1/4" Screws**, threadlock, and a 5/64" hex wrench.
4. Plug the **Brushless Controller** into the Throttle channel (Ch3) of your receiver with black wire towards the edge.
5. Plug the red/black wires of the **Brushless Controller** into the red/black terminal blocks of your Viper.
6. Plug the three **Brushless Controller** output wires into the **Brushless Motor**.
7. Secure the **Brushless Controller**. Make sure to keep all wires from touching the spinning motor. Twist-ties or zip ties can be helpful.
8. With wheels off the ground, power on the transmitter and robot. The **Brushless Controller** plays three musical tones then beeps twice (low, high) to indicate everything is ready. If you don't hear the second (high) tone, it is because the transmitter throttle stick is not safely all the way down.





8. Move the throttle stick up until the motor spins. Note the direction so you know which orientation to mount your blade. If you want to reverse the direction, swap any two of the three motor wires. Power off the robot and transmitter.
9. Reattach the top and front armor panels. Do not use threadlock on plastic- it will weaken and crack it!
10. Attach your **Blade Mount** to the **Brushless Motor** using three **M2 x 12mm Screws**, threadlock and a #1 Phillips screwdriver. (Let the threadlock cure before spinning the weapon or it will spray everywhere.)
11. Secure your **Titanium Blade** to the **Blade Mount** using four **6-32 x 1/4" Screws**, threadlock, and the 5/64" hex wrench.
12. Use a small C-clamp to secure the weapon whenever it is not inside the arena. Remove only once the transmitter and robot are powered up and communicating properly.
13. All done! Use this spinner to destroy your opponents!

