

# VIPER SPINNER ADD-ON KIT



### Kit Includes:

1	1100KV Brushless Motor	1	FingerTech Blade Hub
1	12A Brushless Controller	4	M3 Phillips Screws

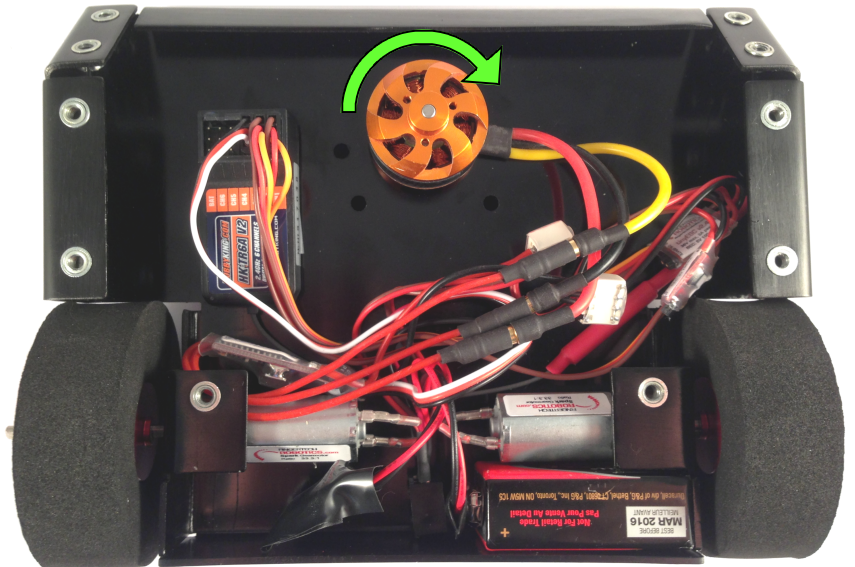
### Not Included:

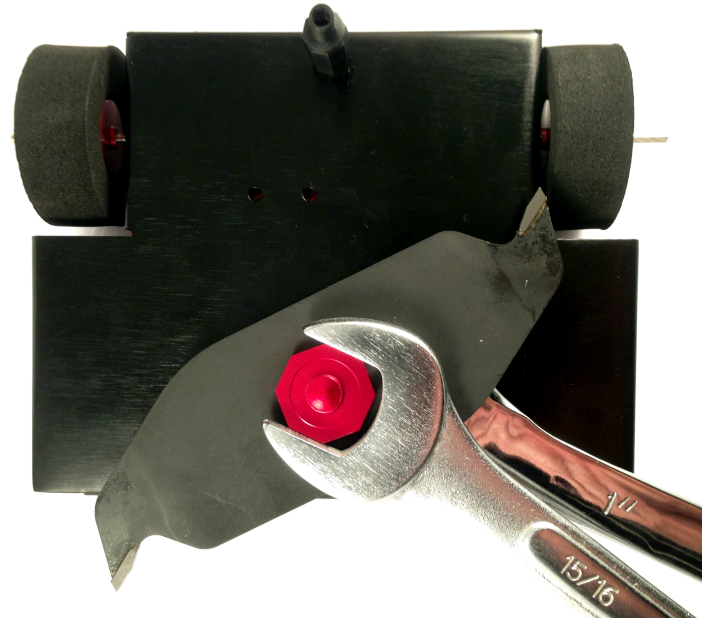
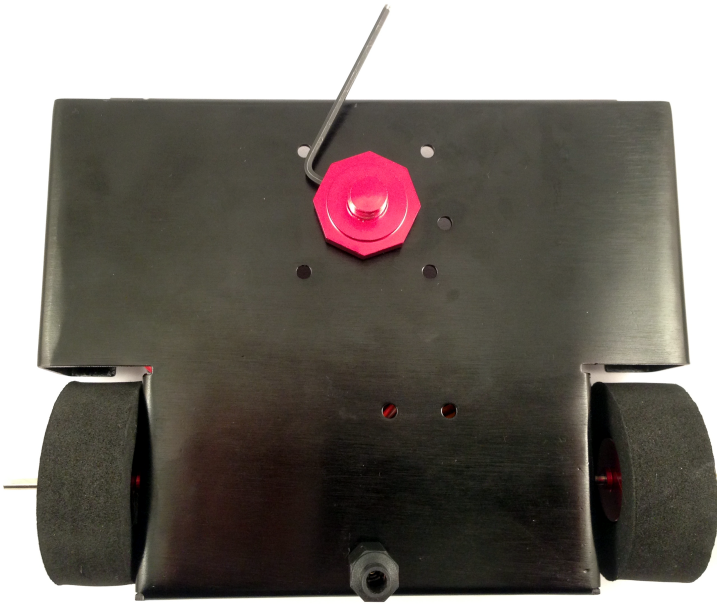
-	15/16" (or 24mm) Wrench	-	Phillips Screwdriver
-	1" (or 25mm) Wrench	-	Twist-ties
-	Weapon Blade	-	Safety C-clamp
-	Threadlock liquid (medium strength)		



**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 and front armor from your Viper kit.
2. Mount the Brushless Motor using four M3 Phillips screws and threadlock liquid.
3. Plug the Motor Controller into the Throttle channel (Ch3) of your receiver.
4. Plug the red/black wires of the Motor Controller into the red/black terminal blocks of your Viper.
5. Plug the three Motor Controller output wires into the Brushless Motor.
6. Secure the Motor Controller. Make sure to keep all wires from touching the spinning motor. Twist-ties can be helpful.
7. With wheels up, power on the transmitter and robot. The Motor Controller plays three tones then beeps to indicate battery voltage—2 beeps for 7.4V. If you hear a repeating beep, it is because the transmitter throttle stick is not safely all the way down.
8. Move the throttle stick up until the motor spins. Check the direction. If it does not spin clockwise, swap any two of the three motor wires and the direction will reverse. Power off the robot and transmitter.





10. Tighten the Blade Hub onto the flat spot of the motor shaft with the Viper's 5/64" hex wrench. Use threadlock on the setscrew to keep the blade from coming off. Leave just enough gap to fit your 1" wrench in after.
11. Secure your blade in the Blade Hub. Use 1" and 15/16" wrenches to tighten the blade hub after threadlock has been applied. Tighten well - you don't want it to come off!
12. Reattach the top and front armor panels.
13. 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.
14. All done! Use this spinner to destroy your opponents!

