

2812 1534Kv Brushless Motor Instructions

Thank you for using RC Electric Parts' 2812 Brushless Motor designed to meet your hobbies needs. We hope you enjoy this product as much as we do! If you have any issues, questions, or suggestions with our product feel free to contact us at RCElectricParts@gmail.com or on our website at www.RCElectricParts.com and we'll be happy to help you!

You can also find a digital online copy of these instructions at www.RCElectricParts.com/2812Motor

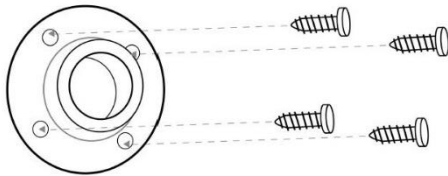
Specifications:

Model Number	2812
Motor Size	Φ28.7 x 32mm
Shaft Size	Φ3.17 x 48mm
Weight	50g
Kv (RPM*Volts)	1534Kv
Max Power	206W
Battery	2-3s Li-Po
Recommend ESC	<= 30A
Suggested Propeller	7x6-E & 8x4-E
Max Current	15.5A
Thrust	730g (1.61lbs)

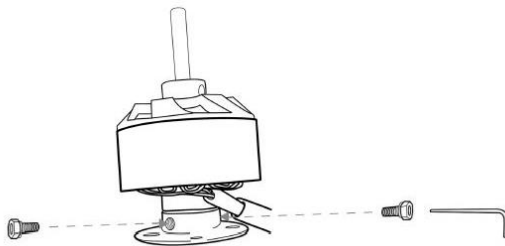
Product Includes:

Qty	Item
1	2812 Brushless Motor
3	3.5mm Soldered Bullet Plugs
1	Motor Base
1	Prop Saver
2	O-Ring
5	#4 Screw
5	M3 x 6mm Fastener
3	M3 x 8mm Fastener
3	M3 Locknut

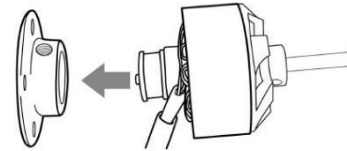
1. Use the provided #4 Screws or M3 x 8mm Fasteners & M3 Locknuts to mount the Motor Base. You may be only able to use two #4 Screws or two M3 Fasteners depending on your setup.



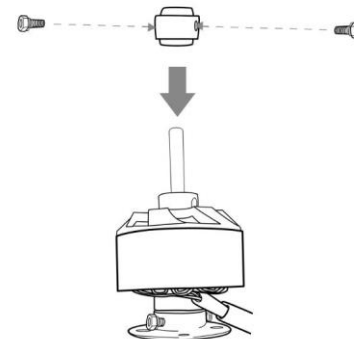
3. Use 2x M3 Fasteners and the Phillips screwdriver to tighten the 2812 Motor in place. The M3 Fasteners should only be snug. If they are over tightened, the motor wont spin freely and it could damage the bearings beneath.



2. (It may be easier to skip to step #4 and do steps 2 & 3 last). Insert the 2812 Motor into the Motor Base.

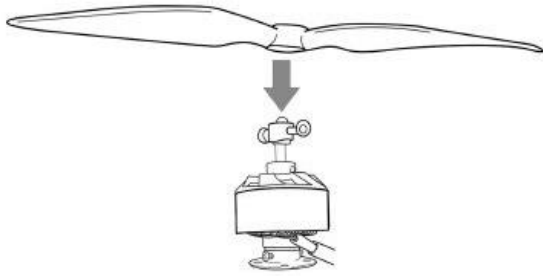


4. Get two M3 x 6mm Fasteners and a prop saver. Place the prop saver on the Shaft and tighten the M3 Fastener tightly on the appropriate location on the shaft.



It is recommended to use a thread locker to keep the screws from loosening themselves due to motor vibration. Check fasteners periodically to make sure they have not become loose or missing.

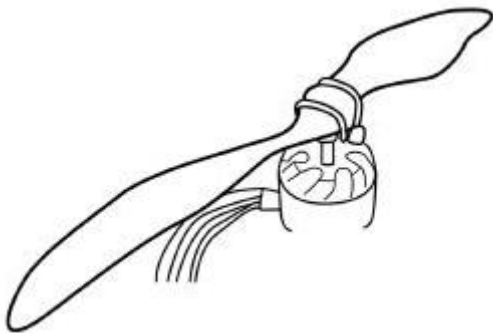
5. Get a propeller (**Sold separately on our website) and a Phillips screwdriver.



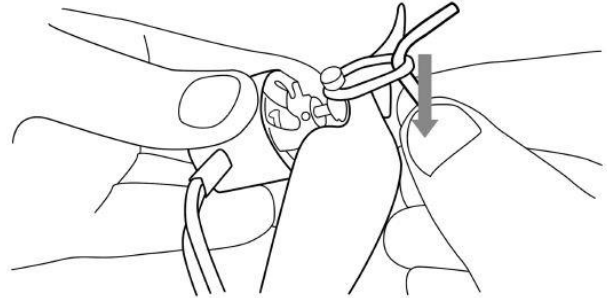
The prop saver is designed to allow the propeller to fold back when it hits the ground, so the motor shaft does not bend. To properly mount the prop saver, place it towards the tip of the shaft. The prop saver should not be too far out that the propeller wobbles when it spins, but not too far back that the prop cannot fold back.

You can also mount the prop paver against the motor housing if you do not want the propeller to fold back. This can be useful on pod mounted airplanes where you know the prop will not impact the ground upon landing.

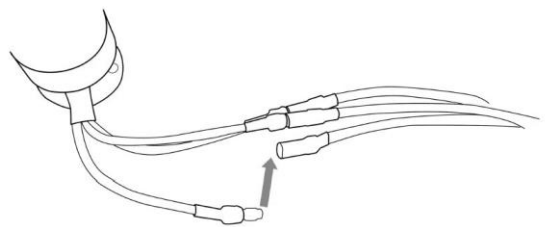
7. This is what the assembly should look like when you are done.



6. Use the Phillips screwdriver to put the O-Ring Over the propeller. This will secure the propeller to the 2812 Motor.



8. Plug in your Motor into a 30A or higher rated ESC.



*If all the rubber O-Rings break you can purchase more online. However, using a rubber band works just as well. Take one end and hook it on the prop saver Fastener and continue to wrap the rubber band back and forth between the two fasteners.

**Propellers sold separately, checkout our website at www.RCElectricParts.com/ to view or buy them. Recommended props are 7x6-E (for maximum performance) and 8x4-E (Slower and quieter).