

2812 1534Kv Brushless Motor Instructions

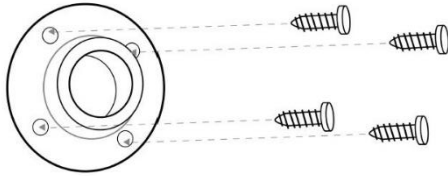
Specifications:

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 or greater
Suggested Propeller	7x6-E
Max Current	15.5A
Thrust	730g (1.61lbs)

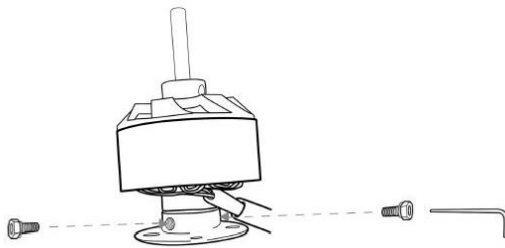
Product Includes:

Qty	Item
1	2812 Brushless Motor
3	3.5mm Bullet Plugs (Soldered)
1	Motor Base
1	M2.5 Hex Allen Key
1	Prop Saver
2	O-Ring
4	#6 Screw
6	M3 x 6mm Fastener
2	M3 x 8mm Fastener
2	M3 Lock Nut

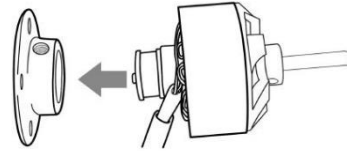
1. Use the #6 Screws or M3 x 8mm Fasteners & M3 Lock Nuts to mount the Motor Base. You may be only able to use two #6 Screws or two M3 Fasteners depending on your setup.



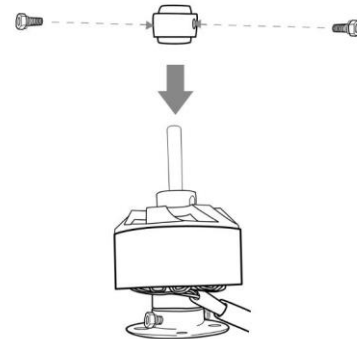
3. (It may be easier to skip to step #4 and do this step last) Use 2x M3 Fasteners and the Allen Hex Key to tighten the 2812 Motor in place. The M3 Fasteners should only be snug. If they are over tightened, the motor wont spin freely and it could damage the bearings beneath.



2. Insert the 2812 Motor into the Motor Base.

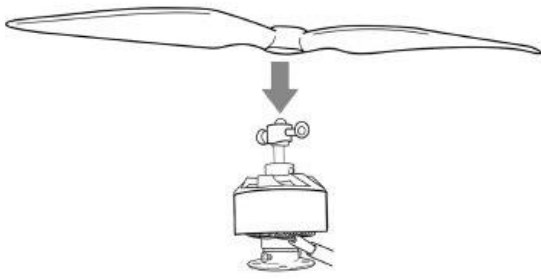


4. Get two M3 x 6mm Fasteners and a Prop Saver. Place the Prop Saver on the Shaft and tighten the M3 Fastener tightly on the appropriate location on the shaft using the Allen Hex Key.



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 haven't become loose or missing.

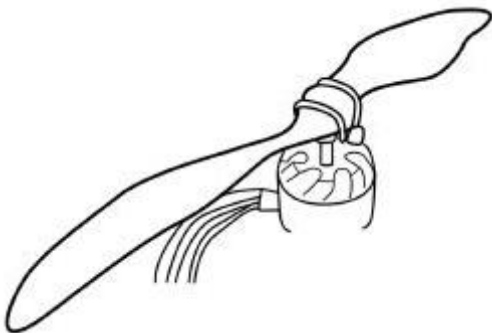
5. Get a propeller and Allen Hex Key.



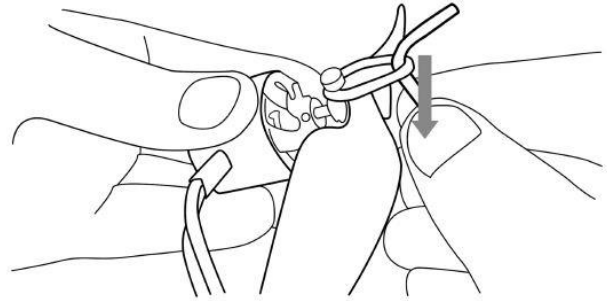
The Prop Saver is designed to allow the propeller to fold back when it hits the ground. To do this place the Prop Saver towards the tip of the shaft. It shouldn't be too far out that the propeller wobbles when it spins, but not too far back that the prop can't fold back.

You can also mount the Prop Saver against the motor housing if you don't want the propeller to fold back. This can be useful on Pod Mounted Airplanes.

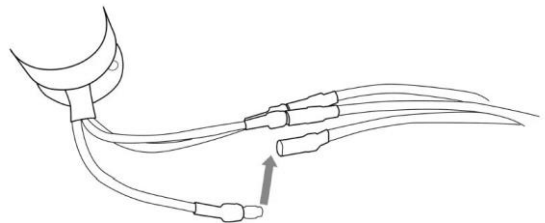
7. This is what the assembly should look like when you are done.



6. Use the Allen Hex Key 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.

If there are any questions or comments, feel free to contact us the following ways.

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