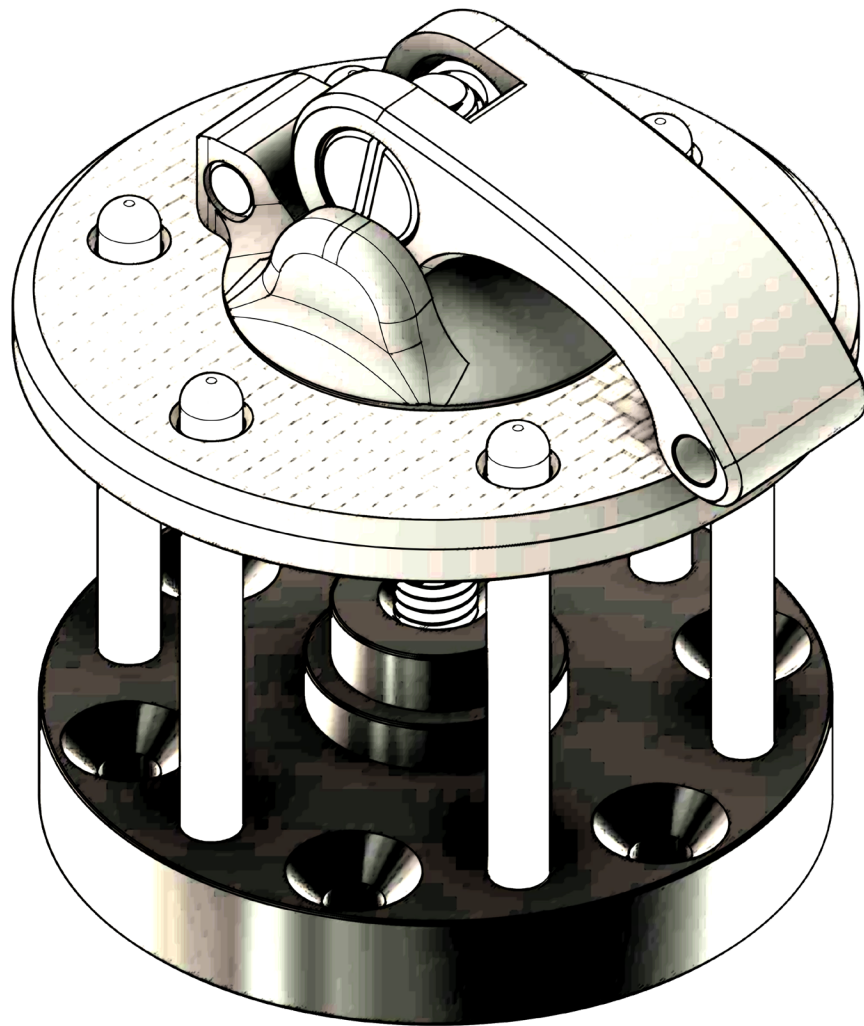


Quick-Release Hub Manual



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Introduction

Thank you for purchasing the Iris Paramotor Quick-Release Propeller Hub. Before installing the product, please take the time to read this manual carefully. The purpose of the manual is to provide users with the information they need to use our product safely as well as warranty information. If any part of this manual does not make sense or is unclear, please do not hesitate to contact Iris Paramotor for clarification or additional help.

Please keep in mind that being a company that strives to innovate and improve our products on a regular basis, products will change and evolve over time. Some information, diagrams and photos in this manual may become outdated. Usually, any time a major revision of a product occurs we will take the time to update this manual, but you may find an old version of the manual on other websites and although much of the information should apply to your exact product, please take care to check for a new revision on our website. If the latest version has any issues, we welcome and appreciate your input to fix the information ASAP.

Safety Warning



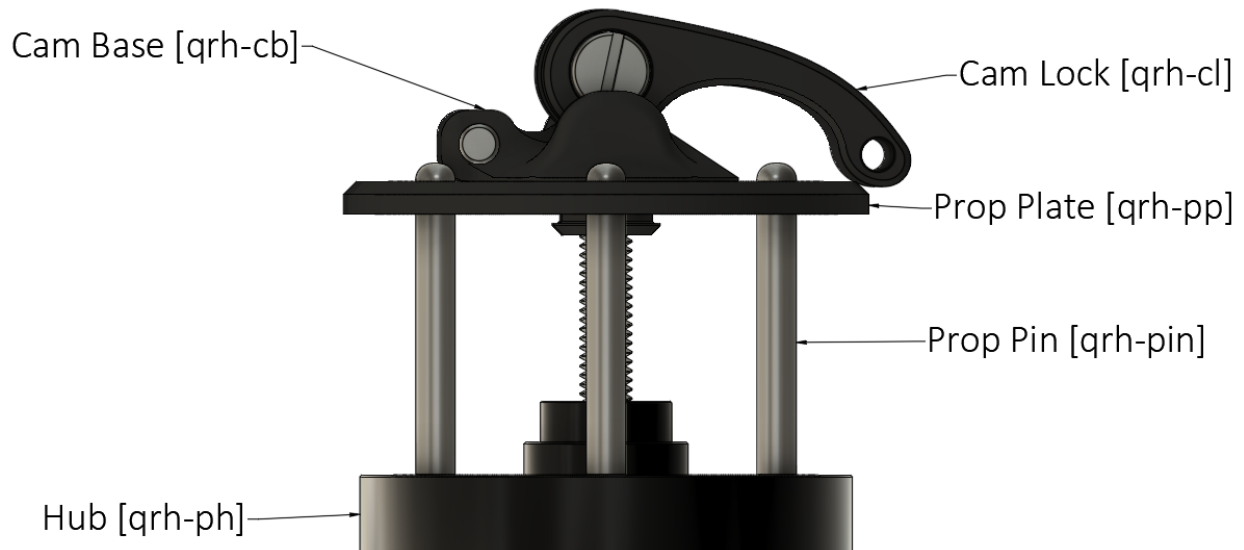
Warning, you are installing an unapproved modification on your engine that attaches the propeller. Improper use or installation can cause serious injury or death. For some engine manufacturers this product may void warranty.



- **Never** ground-start your engine. If you need to test this product, either start your engine on your back, strapped to a solid object like a tree and use a prop safety strap.
- You **must use a properly balanced propeller that is approved by your engine manufacturer.**
- Install **only** with provided hardware with no additional spacers.
- Never overtighten the cam lever. Doing so may cause damage to your propeller or the cam mechanism which can lead to failure in flight.
- Regularly inspect the whole assembly for unusual wear or damage.
- Do not modify this product in any way. Any modification can lead to improper function or imbalance which can result in engine damage or the propeller being unlocked in flight.
- Never run the motor without the propeller attached to the hub.

Part Diagram

Below is the parts diagram. Please note that some items are replaced as assemblies (for example, the Cam Lock comes with that T-nut and the readded portion connected).



Cam Base [qrh-cb]: Nylon Cam Base with Counter-Balance pin. This part is replaced as an assembly (including pin) and it snaps into the Prop Plate without hardware.

Cam Lock [qrh-cl]: Nylon Cam-Locking Lever. This assembly includes the Cam Lever, T-Nut and Threaded rod.

Prop Plate [qrh-pp]: Carbon Fiber Prop Plate.

Prop Pin [qrh-pin]: 6x Prop Pins. When ordering replacements, please specify if yours are Titanium.

Hub [qrh-ph]: Main Hub.

Installation Bolts [qrh-m6b or qrh-m8b]: 6x Installation bolts. These are m6 (Vittorazi, HE, EOS, Simonini) and m8 (Minari and others) depending on engine model.

Installation Instructions

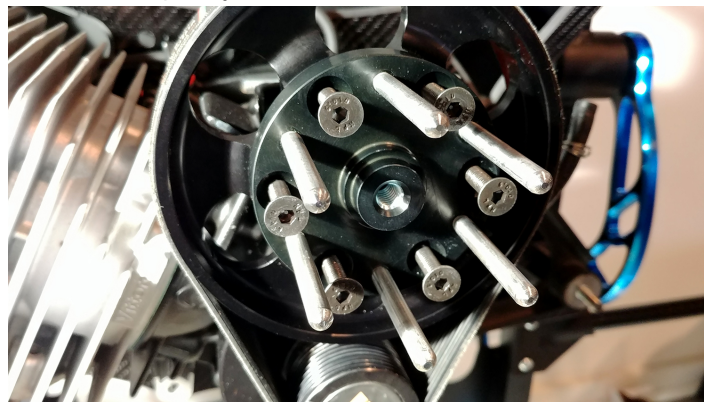
1. Remove your prop and any spacers and wipe down the upper reduction pulley with a rag. Clean off any residue with rubbing alcohol.



Warning, you do not need an additional prop spacer when using our hub for any standard propellers including Helix, however, **some manufacturers use an extra spacer to move the propeller further back** to add clearance between the frame and the prop and to prevent prop strikes. If your frame requires one, **you must use longer bolts that fully engage the threads in the upper reduction pulley**. Please note that this is not a supported configuration for our product, and we cannot guarantee proper operation and thus running in this configuration will void any warranty claims.



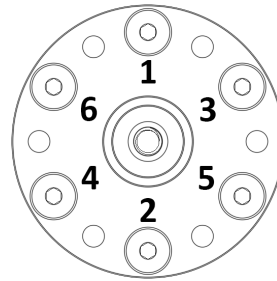
2. Remove the Cam Lock/Prop Plate assembly from the Quick Release Hub and place the main Hub (with pins) onto the upper reduction pulley lining up the bolt holes.
3. Insert the six supplied mounting bolts (M6 or M8 depending on your engine) and hand-thread them into the upper reduction pulley.



4. Using the long end of a 4mm Allen Key lightly tighten the six bolts in a crisscross pattern.

- Using a torque wrench with a 4mm hex bit, tighten mounting bolts using a standard crisscross pattern to the following specifications:

6mm – **13.4 Nm (9.8 ft-lb)** 8mm – **32.3 Nm (23.8 ft-lb)**

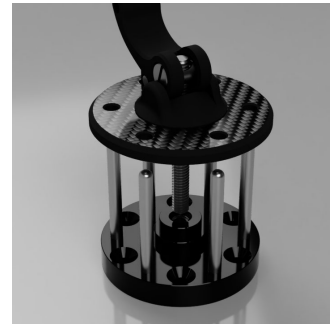


Using your Quick-Release

Installing/Removing the propeller using our system is very easy, however caution should be used as to not over-tighten the mechanism which can cause damage to the propeller (or the mechanism itself).

An important principle to understand is that the propeller is used in a push configuration. That means that thrust pushes the prop into the hub and the only purpose the prop hub and locking mechanism is to keep the propeller securely mounted to the motor. Excessive tension on the propeller is not required.

- Slide the propeller onto the prop pins.
- Flip the cam lever on the prop hub into the open position (so it sits above the counterbalance, with the lever pointing up).
- Line the threads from the cam mechanism with the matching threads on the Hub. Rotate the cam assembly slowly to engage the threads and thread it, making sure that the prop plate holes align with the pins.
- Tighten the cam mechanism until the prop plate touches the prop. You will feel slight resistance. Continue turning slowly and as you compress the prop you will feel some heavier resistance. This should be about 2 or 3 pins or 1/3 to 1/2 rotation.
- Lock the cam. It should not take excessive effort to turn the lever. If it does, back off the mechanism slightly. Likewise, if it takes very little effort to lock the cam, tighten the mechanism. Remember, the mechanism needs to be tight but not excessively tight to do its job.



Warranty Information

If you purchased this accessory from the Iris Paramotor website directly, you were asked to register at checkout. This is a required step for your warranty to be valid. If you purchased any of our products new from a dealer or other online store, they are responsible for any warranty claims. To receive warranty directly from Iris Paramotor, please register on our website (<http://iris-paramotor.com>) within 60 days of purchase and save your purchase receipt/invoice. Warranty for

accessories is not transferrable. Warranty for paramotors is only transferrable by contacting Iris Paramotor directly at time of sale.

Depending on specific situations which lead up to the warranty claim, we reserve a right to ask you to send us detailed photos of not just our product but any part of your engine or paramotor that directly interfaces with our product. For example: if this is a claim for our Quick Release Hub, you may be asked to show photos of your propeller and upper reduction pulley as well as hoop and netting.

Our Guarantee

We guarantee that all equipment we manufacture or assemble be free of manufacturing defects or operational issues. All parts are manufactured in house and checked for correct operation. Shall any part experience unexpected failure or arrive with a defect, it is our responsibility to replace the defective component, free of charge within a period of **one year** so long as the following conditions are met:

- The item was purchased one year or less from the day the warranty claim was submitted.
- The item was used within all standard operational conditions and installation procedures outlined in this manual (especially not in violation of any items in the Safety Warning and Installation Instruction sections).
- The warranty claim is for non-cosmetic malfunctions only. Please see our return policy for more information on cosmetic defects or improperly fitting parts.
- All maintenance was performed using only OEM components and maintenance procedures outlined in our manuals.

Limitations

The above warranty does not cover the following:

- Normal wear of parts from usage.
- Physical damage caused by crashes or prop strikes.
- **Any alteration or modification.**
- Improper maintenance or neglect.
- Use of incorrect hardware.
- Use of unapproved spacer.

Contact

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