

## Raven Locking Tailwheel Assembly

Thank you for purchasing the Raven locking tailwheel assembly, we strive to build the highest quality parts and if you have any questions or concerns please do not hesitate to contact us.

If you are installing the weld in model make sure it is welded in straight and true as there is no adjustment after it is installed.

If you are installing the bolt on model follow these steps:

Bolt the tailwheel to the fuse at the front but only clamp the U shaped retainer to the tail post using small C clamps or Vice Grips. Roll the airplane on a level surface to make sure it tracks straight or adjust as necessary, then when that is set then mark and drill the holes and round the edges of the clamp to match your fuse then paint and bolt in place.

The lock release cable assembly can be made a couple of different ways, the easiest way is to simply run the cable into the cockpit and anchor to a point somewhere on a vertical tube. Then slip a piece of clear tubing over the cable (about 12" long) right behind the anchor point, to release the lock you just simply pull on the cable. The second way is to fabricate a lever that releases the lock, you can also add a detent to hold it in the unlocked position for easier ground handling.

When running the cable you can add guides made from 3/16" aluminum tubing using Adel clamps to secure them where needed. Of course if you are still fabricating the airframe you can weld in clamps to hold the tubing or use fairleads such as used for rudder cables.

6" model - Be sure to install the cable so it is taut when the tailwheel is in the locked position, not too much tension to hold the lock lever off of its stop but enough so that there is no play in the cable.

4" model - The cable needs to be adjusted so that it actually holds the lever off of the stop in the locked position, it needs to be set so that the lever does not hang down too far (this will make it difficult to swivel into the locked position). But it does need to be far enough into the slot to make sure the wheel is firmly locked.

The only maintenance needed is to check the bolts and cable retainers during your walk around and keep the top surface of the swiveling part (where the lock rides) and the bottom of the lock lightly greased.

If you have further questions please contact us at: (604) 576 9871 Or email us at:

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