

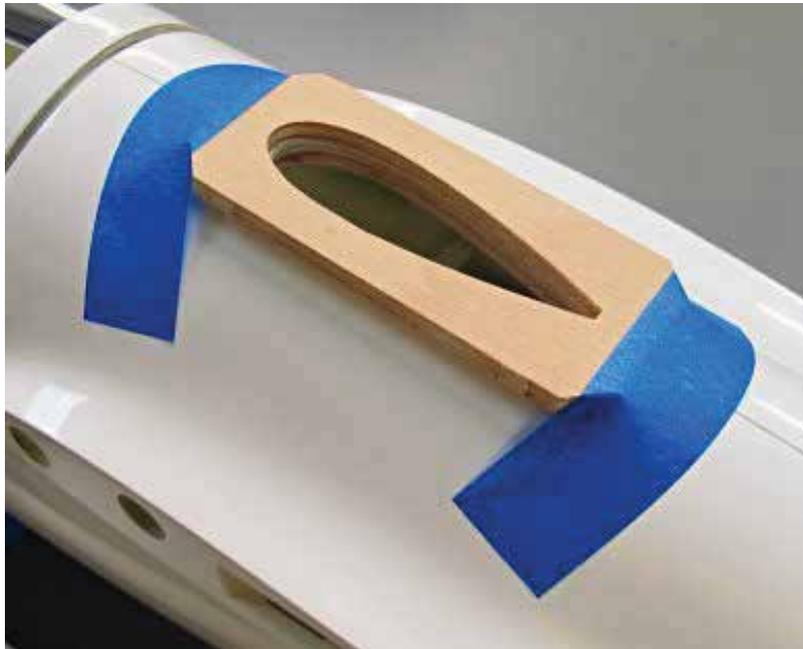
# Instructions for installation of the Sailplane Power Pod Launching System

## #0201111

*When locating the pylon, be sure to match the pylon thrust line to the elevator incidence. Our extensive testing has shown that up or down thrust is not necessary or helpful. Also, make sure that the pylon has no offset to the left or right. Take your time and be precise. Once installed, if you have a small, accidental, deviation, a little elevator to throttle mix will generally keep you flying straight and true.*

### Step 1:

After deciding where to place your Power Pod, you will use the included plywood brace, with the air-foil cut-out, to mark the fuselage for cutting. Make sure to align the cut-out as close to square (left to right) as possible. When cutting out what has been traced onto the fuselage, it is best to cut the opening slightly smaller than you need so that you can finish with files to get a nice snug fit. Clean up the cut-out and carefully dry fit the Power Pod to the hole that you have created.



### Step 2:

Shape the brace that you used to mark the fuselage so that it fits against the inside of the fuselage to reinforce the new mounting hole. This will include cutting and sanding to shape the part to fit. Take your time with this step. Once you have shaped the part to fit as closely as possible, carefully bond the part to the inside of the fuselage. You will need to make sure that it lines up with the cut-out in the fuselage. When we do the install, we use an aerospace grade epoxy (Hysol) to fill the voids between the plywood and the fiberglass around the edge of the opening for the Power Pod. You may need to sand, file, or otherwise shape the opening once everything has set-up. This is to make sure that the fit has not been compromised.



### Step 3:

Make any necessary modifications to the base of the Power Pod to fit around internal structures in your chosen mounting location. We chose to incorporate the main wing spar tube to increase the strength of our installation shown in the photos. You can see where we modified the Pod support to fit around the spar. You can determine the length of the mounting tube at this time and cut it to fit. When sizing the mounting tube, be sure that the aluminum tube does not reach up into the pod far enough to get in the way of installing your motor. You can also epoxy the tube into the pod and epoxy the threaded end into the tube at this time (you must have your bracing locations identified in order to know the length of the mounting tube.)



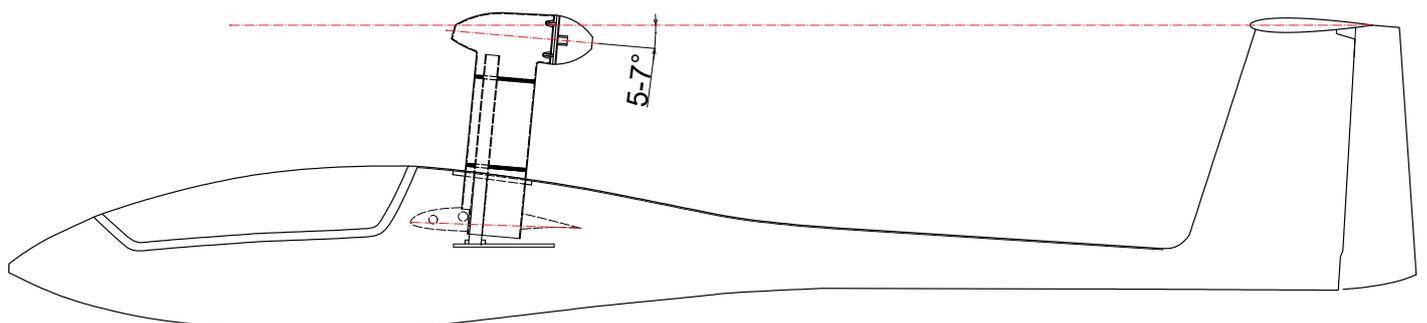
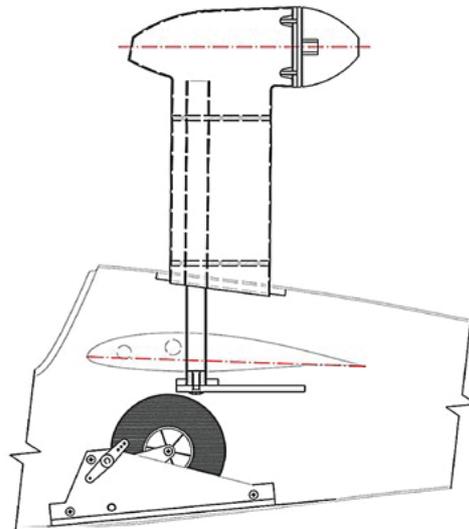
**Step 4:**

The fiberglass blade stoppers, used to keep the blade tips away from each other when the blades close, must be custom fit to your application as each blade has a different major chord and will need more/less space. At this time, you can fit an optional custom Sailplane Power Pod Spring Set for Folding Spinner. These keep the folding blades in their closed position when the system is at rest.



**Step 5:**

Cut the supplied internal plywood bracing to fit into the desired location within your fuselage. The piece with the fitted, round hole goes on top to hold the aluminum mounting tube and the solid brace goes on the bottom (shown bonded together). You will need to drill a hole in the solid brace piece for the hold-down bolt to go through. The hold-down bolt must be centered with the fitted hole in the top layer. These two braces can be dry-fitted in place with the mounting tube nested into its fitted hole. Once lined up, you can add epoxy fillets where the brace assembly meets the fuselage sidewalls. Make sure that you are happy with the Power Pod alignment before this is done as it is almost impossible to do so later.





**Included:**

- (1) Fiberglass Pod with Aluminum Mount
- (1) Aluminum Folding Turbo Spinner with 5mm and 6mm collets + spring set
- (1) Installation Aluminum Tube
- (1) Plywood Top Reinforcement
- (1) Plywood Bottom Reinforcement
- (1) Plywood Installation Platform
- (1) Installation Bolt w/Nut, Washer

**CAUTION !**

This model construction kit is not a toy and is not suitable for children under the age of 14.

Incorrect use of this material could cause material damage or personal injury.

You are fully responsible for your actions when you use this model.

Fly at a safe distance from occupied zones. Be sure that no one else is using the same frequency as you.