

PLEASE READ

The manufacturer of this kit is not liable for any property damage or bodily injury resulting from the use or misuse of this product.

It requires the use of cutting instruments and glues to assemble. Minors should be closely supervised by a responsible adult during construction and flying of this model. It is designed to be powered by a rubber band. any other power source is not approved by the manufacturer.

It is designed to be flown indoors in a gymnasium or similar large hall with proper permission and safety precautions observed. Check your local regulations. It may be flown outdoors in zero wind conditions while observing proper safety precautions.

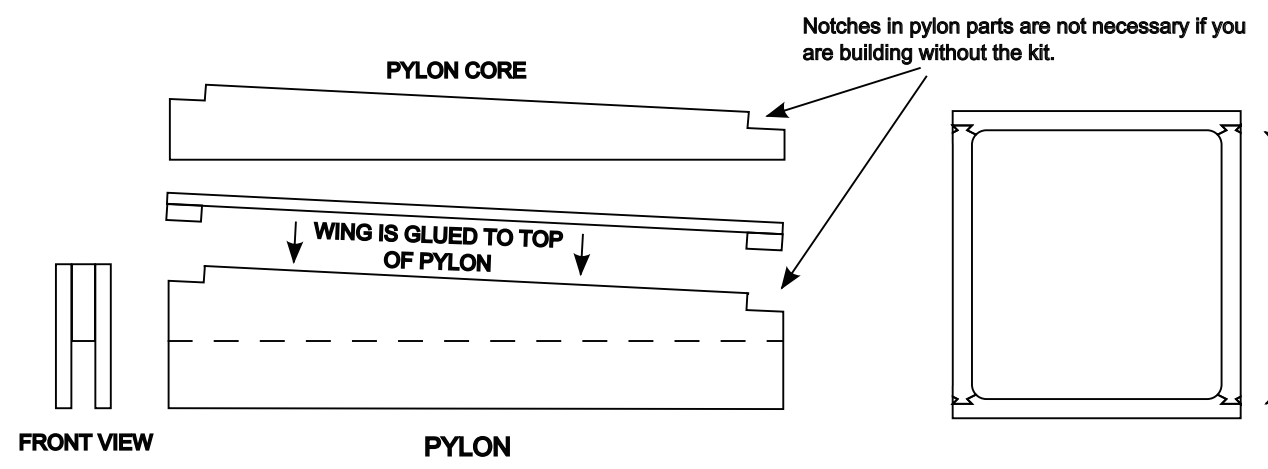
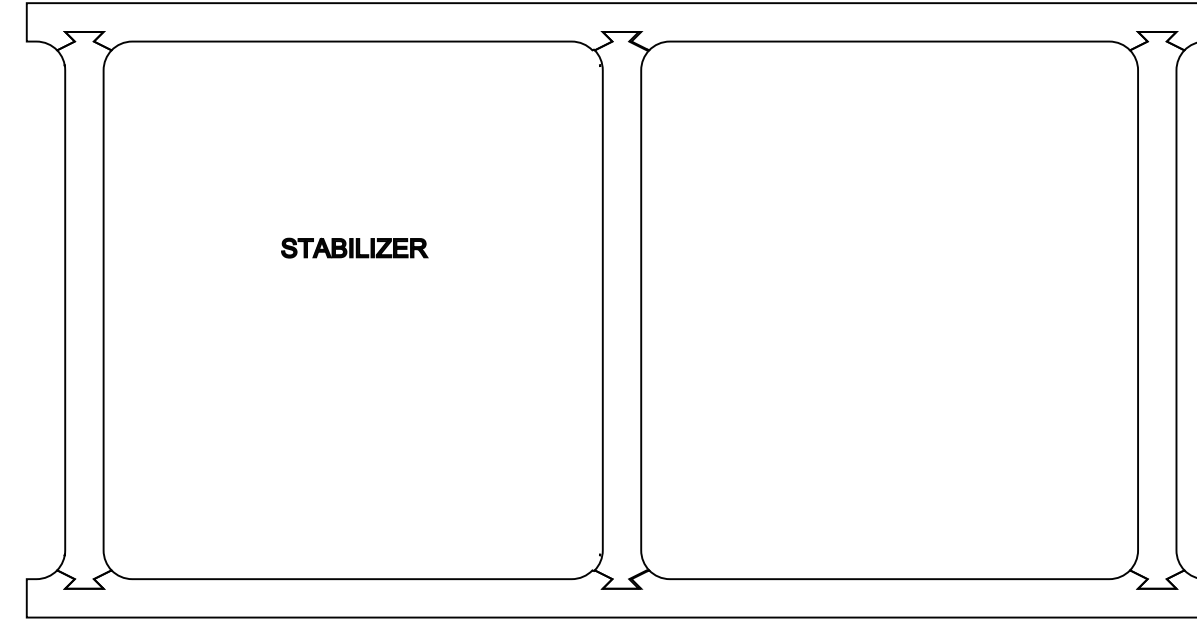
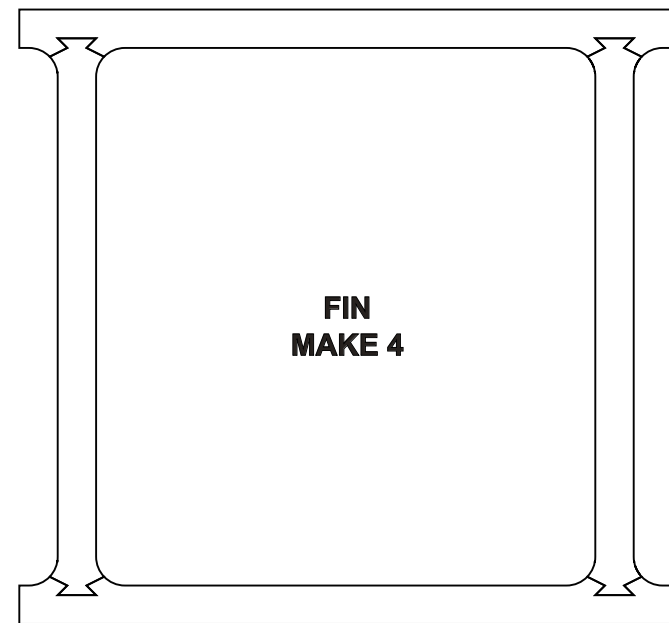
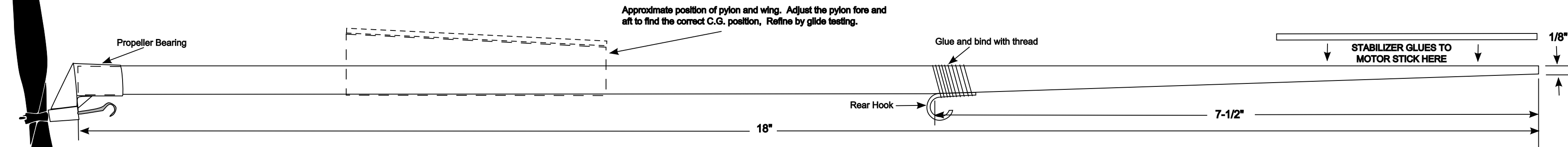
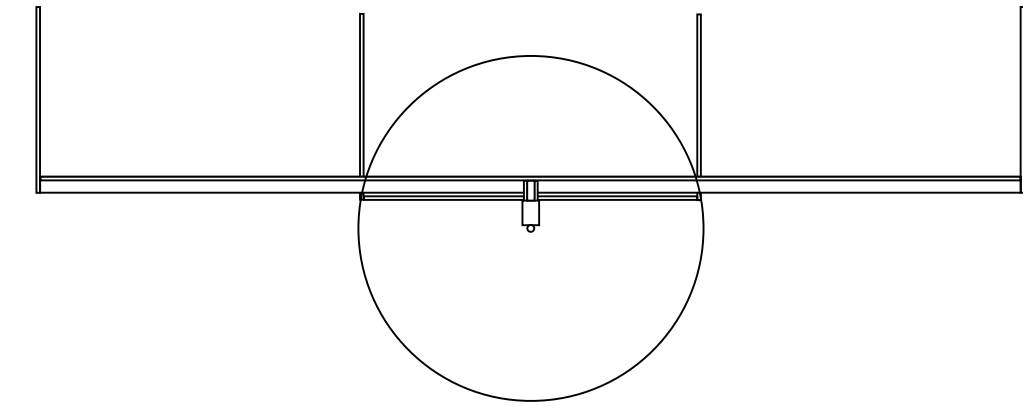
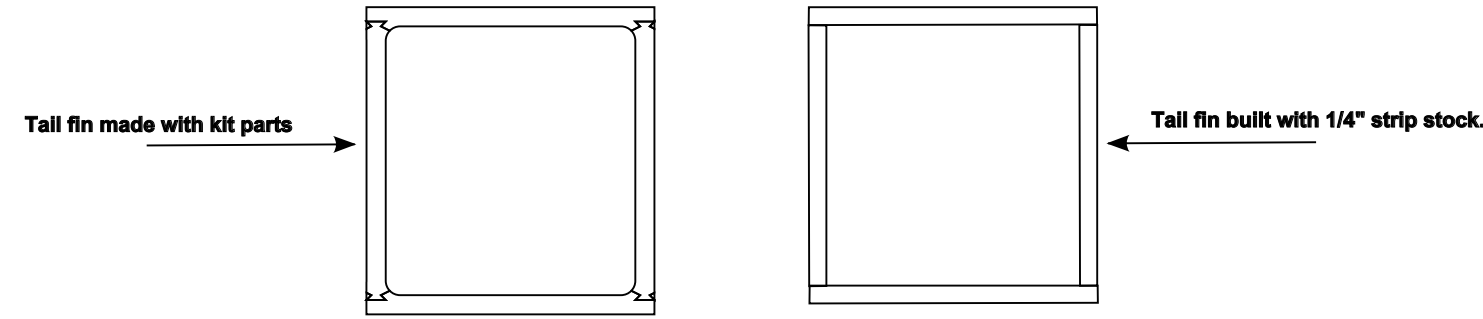
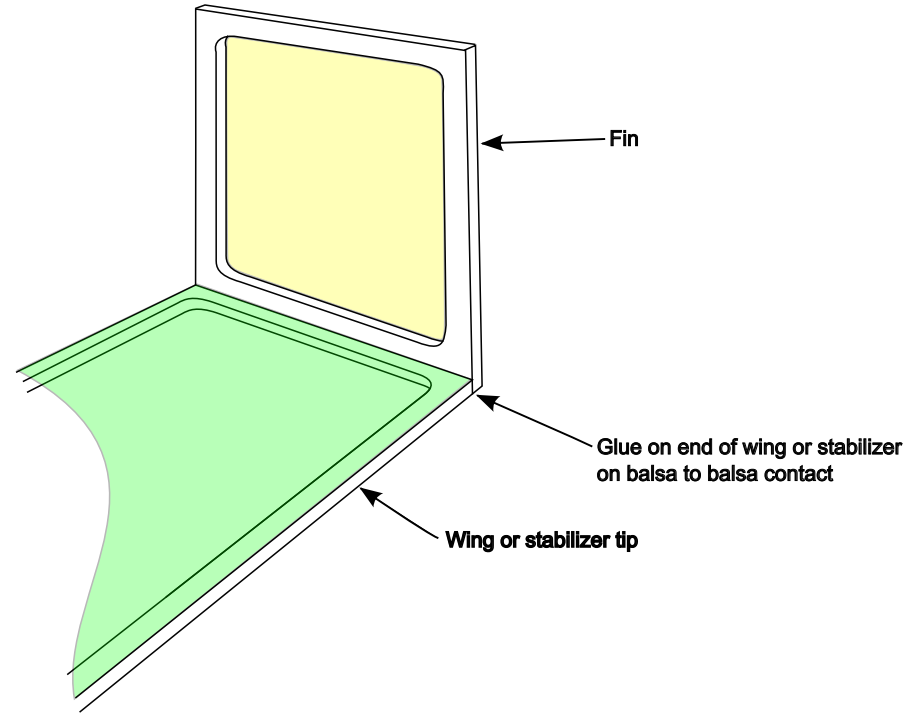
ASSEMBLY INSTRUCTIONS - KIT

1. Layout the wing, stabilizer and four fin leading and trailing edge pieces.
2. Plug the ribs in place. All the ribs are the same size. Using C/A (Superglue) is fastest but use any glue you prefer. Glue on the wing center reinforcements.
3. When the glue joints are dry cut and sand the ribs off the ends of the wing, stabilizer and fins. Sand the tips flush. The side with the center reinforcements is now the bottom of the wing.
4. Cover the frames with tissue or light trash bag material. Tissue can be applied with permanent glue stick. If you want to shrink the tissue by misting with water or rubbing alcohol the parts must be pinned down to prevent warping. If you cover with trash bag material use 3M #77 contact cement on the balsa wood only, tape the covering down on a flat surface and lay the frames down on the plastic covering. When it has set lift the frames and trim the covering at the edges.
5. The pylon is glued up of three parts as shown in the drawing with the inclined edge at the top.
6. Taper the bottom edge of the rear of the motor stick (tail boom) to 1/8 inch at the rear starting 7-1/2 inches from the back. Mount the rear rubber hook at 7-1/2 inches from the back. Glue it and bind with thread as shown in the drawing.

7. Glue a fin on each wing tip, balsa to balsa, with the covering on the outside as shown in the drawing. Glue a fin on each stabilizer tip, balsa to balsa, with the covering on the outside as shown in the drawing.
8. Glue the stabilizer to the top of the motor stick at the back. Make sure that it is square.
9. Push the propeller bearing onto the front of the motor stick as shown on the drawing.
10. Glue to wing to the top of the pylon as shown. Position the pylon on top of the motor stick.
11. Make a 1/8 inch rubber motor loops about 12 inches long. Install it between the propeller shaft and the rear hook.
12. Move the pylon fore and aft to get the balance point between approximately 1-7/8 inch from the wing leading edge.
13. Pin the pylon to the motor stick and check the balance by gliding the model.
14. Wind the motor 400 to 600 turns a to fly. You can put a trim tab on one of the tail fins to adjust the turn.

ASSEMBLY INSTRUCTIONS - NO KIT

1. Using 1/4 inch by 3/32 inch balsa strips layout and pin down the wing, stabilizer, and fin leading and trailing edges. Use 18 inch long strips for the wing leading and trailing edges. Since they will be in one piece there is no need for the center reinforcements. (See drawings below.)
2. Cut the ribs from the same size strip stock and glue in the leading and trailing edges. Again, all the ribs are the same size.
3. Cut the pylon sides from 3/32" sheet balsa to the pattern on the plan.
4. Cut an 18 inch long piece of 1/8 inch by 3/8 inch balsa for the motor stick. Cut the pylon center from a piece of 1/8 inch by 3/8 inch balsa and the top to the pattern on the plan.
5. Continue with step 4., above, in the build from kit instructions.



CUT AND SAND THE NUBS FLUSH ON THE FINS, STABILIZER AND WING TIPS AFTER GLUING
Illustration half size

