

Your XC-3 plane kit includes:

- 1 Ea. Fuselage
- 1 Ea. 4 3/4" X 16" Coroplast sheets
- 2 Ea. Green wire 18" inches long.
- 1 Ea. Control Surface Template sheet
- 1 Ea. Front tip/ Canard Holder
- 1 Ea. Tail Holder
- 1 Ea. Canard Adjuster
- 1 Ea. Wing Clip

Tools required:

Pencil Scissors or Xacto Knife Ruler or Square

Additional Items purchased separately:

Super glue

Launch Pole (Purchased from Lowe's, Tractor Supply Company, etc.) scissors xacto style knife or utility knife with hook blade

Additional Terms used in this manual.

- Fuselage This means the body of the airplane. In this case it's the wood.
- Substrate This is the term in manufacturing used for the material you make things from. We will be using it to make the wing, canard, and vertical stab.
- Canard In aeronautics, a canard is a wing configuration in which a small forewing or foreplane.
- Vertical Stabilizer Sometimes called a tail fin, Provides stability to the flight.



The flutes are the holes that run along the length of wing material.

Each 4 3/4" x 16" Coroplast sheet will have enough material to make one complete set of control surfaces for the XC-3 glider. Control surfaces are the tail fin, canard and wing.











9. Now it is time to bend the winglets. Lay the wing on a table and extend the wing tip past the table edge about 3". Lay a square or a ruler along the same pencil line from the above step. Pushing down on the ruler with one hand and bending the wing tip up with the other. Bend each winglet to 90 degrees. For flight, bend winglet back down to 30



10. Attach the tail to the fuselage. There will be a slight gap to put the wing in. Put a thumbtack into the hole on the side.

11. Place the wing into the gap

11. Attach Wing Support. Secure with thumbtacks. Add two more tacs to secure wing to fuselage.

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12. Place front tip on fuselage and secure with thumbtacks





15. Use the template to cut out the vertical stabilizer. Set the fuselage on a table with the nose pointing up. Insert the tail fin in the slot provided at the end of the fuselage. Inspect the tail fin for a good fit. Remove the tail fin and place a small amount of super glue on each side of fin that is covered by the fuselage. Insert tail fin until it is flush with bottom of fuselage; let the glue dry.