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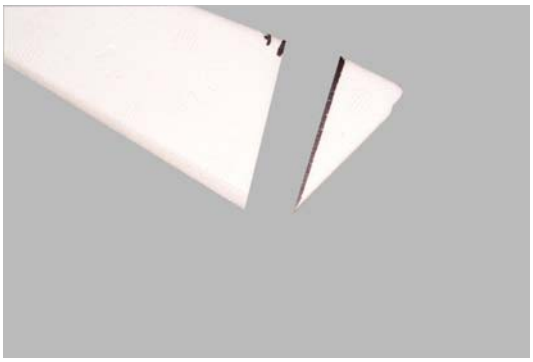
Locate the stab and fin and layout the rudder and elevator location on each.

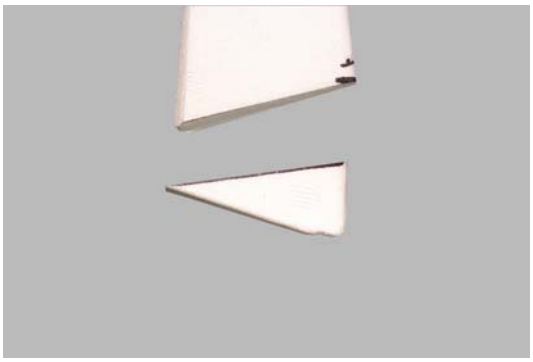
Measure in 1-1/4" on each tip of the elevator and draw a line across the rear.

Measure in 2-3/8" on the bottom of the fin and 1-1/4" on the top of the fin and mark off the rudder. Using an exacto knife and a straight edge cut along these lines.

Using a sanding block, sand a bevel on the leading edge of the rudder and elevator.



Measure up the trailing edge of the rudder 1-1/4" and from that point to the bottom of the rudder at the leading edge remove that piece of foam. This is so the elevator will not hit the rudder when it goes up.



Cut two piece of 1/8" lite ply 5/8" square and recess one in the rudder at the bottom front corner on the left side

and one in the elevator 1" to the right of center on the top side of the elevator.

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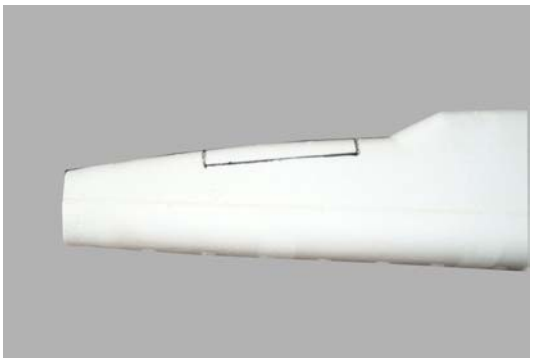
These are the mount pads for the control horns. Epoxy in place.

Install three hinges on the rudder and four on the elevator.

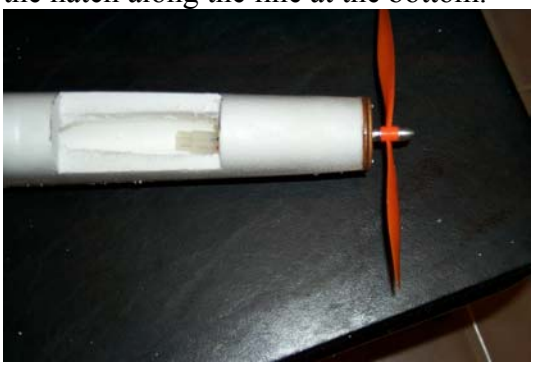
Glue the hinges in with epoxy.
Mount the control horns on the ply plates using number two sheet metal screws.

The fin can now be glued to the stab making sure it is perpendicular to the stab.

Glue the two fuselage halves together and described in the instruction for the glider. Layout the location of the hatch on the nose.



Measure back from the nose 3-1/2" for the front of the hatch. Measure 4" back from that line for the rear of the hatch. Measure 1" up from the seam at the front of the hatch and 1-1/2" up from the seam at the rear of the hatch. Using a saw cut the hatch at the front and rear down to the line at the bottom. Using a knife cut the hatch along the line at the bottom.



You can now remove the foam and have an access hatch to get to the motor and speed control. The hatch can be held in place with tape.

At the rear of the fuselage you will need to remove a section of foam from the rear of the stab mount to allow the elevator to go down.

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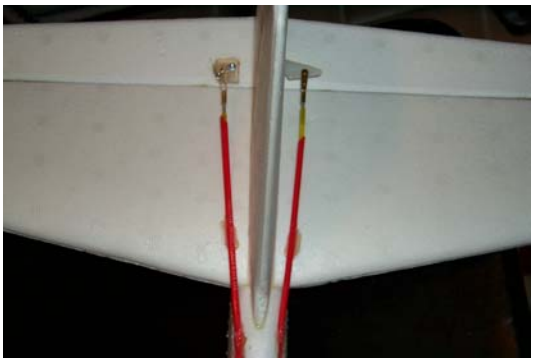
Set the stab in place and mark the location of the hinge line. From that point to a point 1-1/4" down at the rear remove the foam.

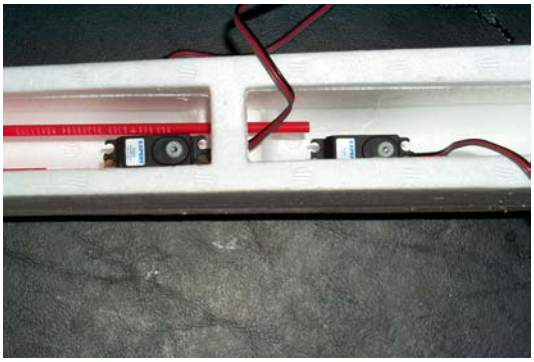
Using a long 1/4" drill, make holes in each side of the fuselage for the nyrods to exit.

Make the hole about 1" in front of the fin mount hole on the top of the fuselage and at the height of the stab. Turn the drill almost parallel to the fuse and make a slot where the nyrod can exit. Do this on each side of the fuselage. The right will be the elevator and the left will be the rudder.

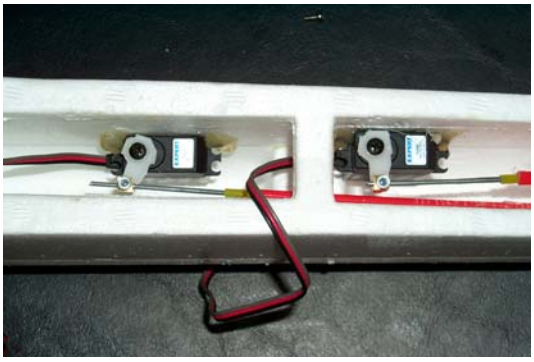
You can now glue the stab-fin assembly to the fuselage making sure it is square. Insert the nyrods in the fuselage and let them extend on top of the stab to within about 2" of the control horn. Using the hardware supplied with the nyrods, connect the inner nyrod with the control horn.



Mount the two servos in the fuselage. Mount them both on the same side, with one mounted as low as possible and the other mounted about 1/2" higher so the pushrods do not interfere with each other.



Use silicone and glue the servos in or use servo tape. Cut the nyrods off about 2"s behind the control horn. Using e-z connectors, connect the inner nyrod to the servo arm.



Cut a circle 1-7/8" in diameter from 1/8" lite ply to make the motor mount ring.

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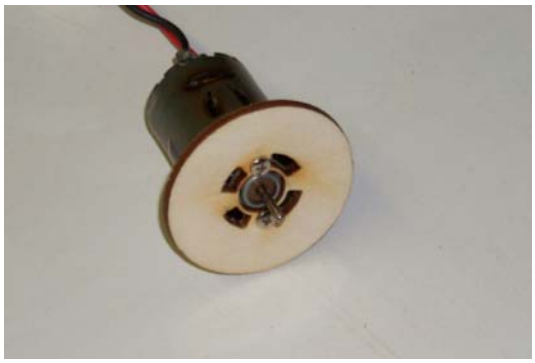
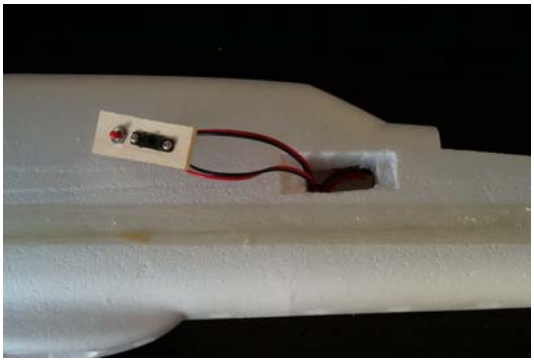
Cut the center out leaving a 3/8" ring. Epoxy this to the nose of the plane to mount the motor.

Cut another 1-7/8" circle and layout the holes to accept the motor. Be sure and include the cooling holes to let air into the motor.



The motor can be slid into the front of the fuselage and two number two screws will hold it to the ring you epoxied in place. Align the holes in the rear of the motor so they are on the top and bottom of the fuse. Measure back from the nose ring and cut a cooling hole on the top and bottom of the fuselage at the rear of the motor.

Install the speed control in the hatch on the front and cut a hole in the side of the fuselage to accept a piece of 1/8" lite ply 1" wide and 2" long to mount the switch and motor start button on.



Glue the ply wood switch plate in place after mounting the switch.

Use the two 1/4" dowels and glue the wing halves together with epoxy. You will need to reinforce the wing with 3/4" wide nylon reinforced strapping tape. Starting at the tip in the center of the cord, pull a piece of tape all the way to the other tip. If you pull it too tight you can bow the wing. Do the same thing on the bottom of the wing now. Now add two more pieces one in front and one in back of the full length piece about half the span of the wing and centered up between the leading edge and the center piece of tape and the trailing edge and

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the center piece of tape. Do the same thing on the bottom of the wing.

Glue the wing hold dowels in the holes in the fuselage. It is a good idea to run a piece of the strapping tape down each side of the fuselage from the nose to the tail centered up on the seam.

The battery pack for the motor can be slid in the wing saddle and pushed up into the nose and the receiver mounted just in front of the servos.

The model should balance 4-3/4" behind the leading edge at the fuselage. The elevator throw should be 1/2" up and down and the rudder throw should be 3/4" left and right.

Motor used: Maxx Products Acc340 Promax 400 7.2volt

Prop used:

Speed Control:

Battery pack: