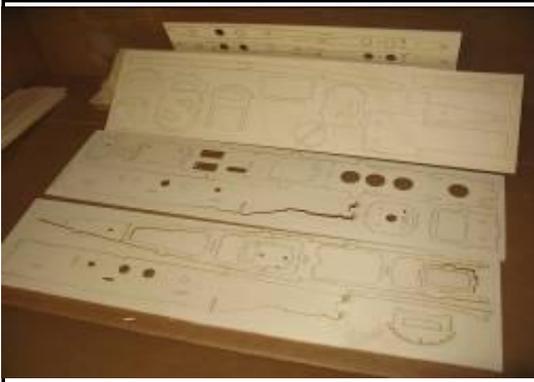


1



Parts layout, use the supplied supplement to the plans to identify the components needed for assembly.

2



Assembly of the internal light ply structure. Note the position of the servo cut out and the oval just in front of them. This determines the bulkhead orientation as the rest of the fuselage is completed.

3



I suggest trial fitting all the pieces together before gluing to understand their placement and order of operations. Use the following series of pictures to aid you through the assembly process.

4



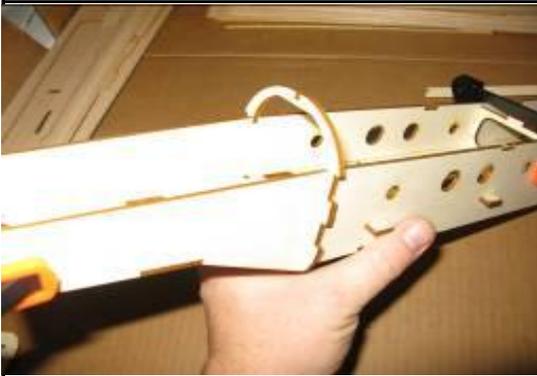
Start with F-10 (inside firewall), F-6 the fuselage light ply doublers, F-3 the servo tray/ battery tray platform and F-17. This can be glued together at this point and clamped til dry.

5



Slide F-15 up from the bottom, and glue in place.

6



Slide F-14 in from the top and glue in place.

7



Install F-16 slide into place from the bottom. Hold off on gluing until all of the landing gear plates are installed and glue everything at once. Care should be taken when this former is installed so that F-1 lines up when installed.

8



Install F-4 between F-15 and F-16.

9



Install F-5 on top of F-4 (in the orientation shown, actually F-5 is to the bottom of the fuselage or the plate that the landing gear attaches to). After you are satisfied with the landing gear plate installation. Glue everything together. Then install F-18 and F-23.

10



Install the second F-18 bulkhead at the rear of the doubler structure and attach to the F-23 Keel support.

11



Install F-19. Note the orientation of the ovals. Line up the oval in F-19 to the same side as the oval in front of the servo tray.

12



Install F-1 top decking.

13



Install F-12 between F-14 and F-10

14



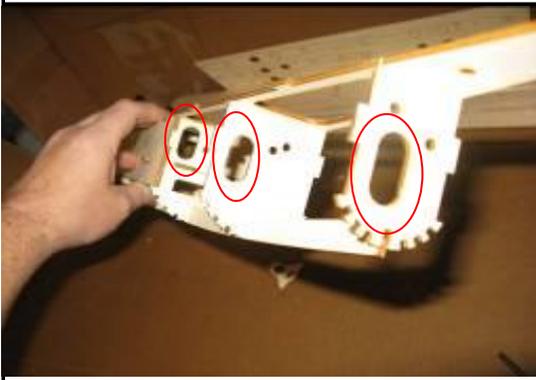
Install F-11

15



Install F-20 and F-22 as shown.

16



Note: All of the ovals need to be orientated to the same side.

17



I normally use wood glue for all gluing operations. If you feel more comfortable with CA. Feel free to use it. I use it in spots to act as a clamp to hold parts while drying.

18



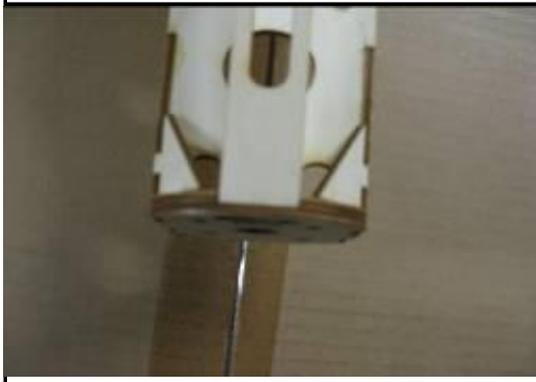
Install both F-7 balsa doublers to the light ply structure. Let this dry before installing the balsa sides.

19



Install F-6 Balsa sides.

20



Install F-13 between F-10 and F-15. Then install both F-28 gussets to the firewall. These gussets will be used to retain the cowl. I used 4-40 blind nuts and screws to hold the cowl. Small shims may be needed to center the cowl.

21



Install F-13A to the inside rear of F-13. I install a 10-24 nylon screw drilled and tapped through F-13 and F13A to retain the rear of the cowl. To use the E-flight motor you may need 1/8" motor spacers to obtain the proper spinner fit. This depends on the spinner used.

22



Assemble the cockpit floor using C-1 and C-2 glued together, with (2) C-3 and C-4. As shown below.

23



Assembled cockpit floor.

24



I have used several different methods of retaining the canopy. The object shown here is a Dress Snap. Magnets can be used as well it is your choice of what to use.

25



After your retention device is installed you will need to provide extra support to the rear of the canopy floor. Scrap balsa can be used for this operation.

26



I use 400 grit sandpaper to make my cockpit appear black, as shown here. A pc of sandpaper is installed over the C-3 formers to create a dashboard. This picture shows the fuselage being prepared for the canopy installation. Prior to installing the canopy, make sure you cowl is fully secured and lined up with the spinner and motor. This will yeild the best fit between the cowl and canopy at their intersection.

27



The small nylon shoulder washers shown are installed from the bottom up into F-1 and used as washers when the removable tail is used. The three balsa blocks shown make up the rear bottom of the fuselage (F-26, F-25 & F-27). Prior to installation you should take note of what type of tail skid will be used and make accomdations prior to installation.

28



Soda straw (large OD) can be installed to make guide tubes for the tail mounting system.

29



I have been using the RED outer sleeve for pushrod guides and solid 2-56 rods for pushrods without the white or yellow sleeving. Note, because the Fin assembly is only 3/16" wide and the rear of the fuselage is 1/4" wide you may choose to taper rear more to get a better fit.

30



Install your pushrod sleeves noting that they cross in the middle. Remove the oval in F-6 that best aligns with the exit of your tube. Install F-21, the rear turtle deck bulkhead.

31



With the Cowl and Canopy fully assembled and in place. You can trim and install the rear turtle deck. I covered the fuselage first prior to installation of the turtle deck.

32



The Fin is assembled as shown. The F-24 light ply plate is used as a clamping platform when the removable tail is used. 6-32 blind nuts are CA'd in place onto F-24 with the "brim" down and the legs up. The tines can be removed to insure proper fit.

33



Cover the fin prior to installation. With the stab in place secure F-24 to the fuselage using 6-32 x 1/2" screws. Next install your fin. Remove everything and place a pc of wax paper between the stab and fin assembly then glue the rear fillet in place.

34

At this point I have run out of pictures. But hopefully, the rest is self explanatory. The plastic parts are sanded with 320 and painted to match your covering. The elevators are joined using 3/32" piano wire bent into the shape of a "U". I have used CA hinges on all surfaces.

35

The landing gear is held in place with nylon screws. The wheel pants and axles are installed per the plans. I have been using the Brodak 1.5" spinner as it is very similar to the old Veco spinner. However, this may require modification to the stock collet system with the eflight motor. The hole in the backplate is 1/4" and the Collet has a shoulder that allows you to mount the APC prop without the small spacers supplied by APC. This will need to be turned down to insure proper fit. The Tru-Turn spinner system works great, provided you have the correct adapter kit.

	<p>Feel free to add pictures or notes to this spreadsheet as your input could be helpful to others.</p>
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