

FUSELAGE ASSEMBLY

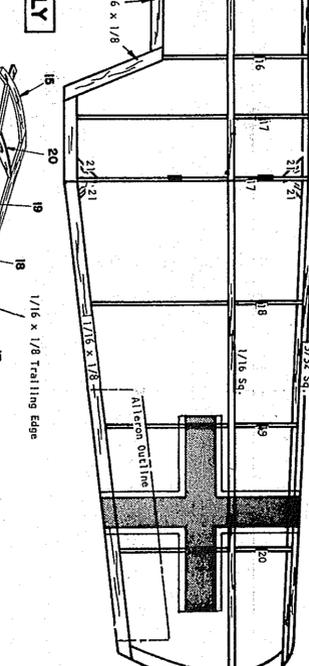
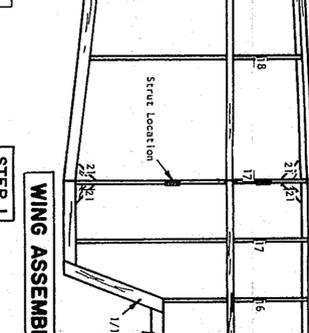
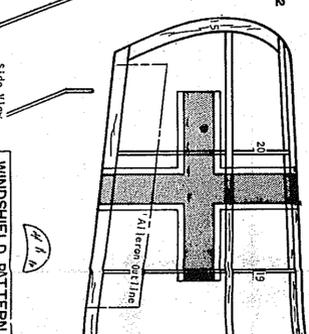
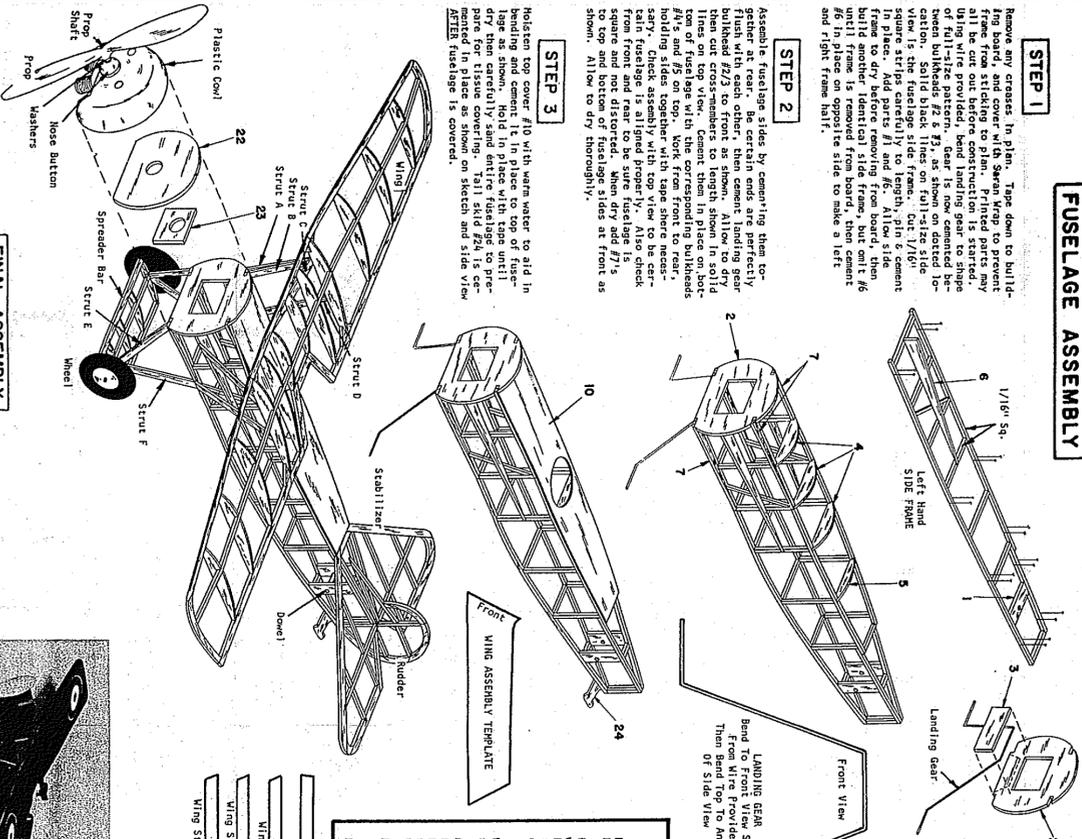
STEP 1
Remove and cement in place. Tape down to hulling board and cover with Scotch tape to prevent frame from sticking to plan. Printed parts may all be cut out before construction is started. Using wire provided, bend landing gear to shape between bulkheads #2 & #3, as shown on dotted location. Sald black lines on hull-size side view is the fuselage side frame. Cut 1/16" x 1/8" strips of tissue paper to make a 1/16" x 1/8" side frame to dry before removing from board, then build another identical side frame, then cement #6 in place. Add parts #1 and #5. Allow side frame to dry. Cement #2 to make a 1/16" x 1/8" and right frame half.

STEP 2

Assemble fuselage sides by cementing them together at rear. Be certain ends are perfectly flush with #2/3. Then cement landing gear. Then cut cross-members to length shown in solid lines on top view. Cement them in place on bottom of fuselage with the corresponding bulkheads holding sides together with same care necessary. Check assembly with top view to be certain fuselage is aligned properly. Also check from front and rear to be sure fuselage #7 is straight. Cement #10 to top and bottom of fuselage sides at front as shown. Allow to dry thoroughly.

STEP 3

Hasten top cover #10 with warm water to aid in bending and cement it in place to top of fuselage. Then cement #11 and #12. Tail fin #14 is cemented in place as shown on sketch and side view. Tissue fuselage is covered.



INTRODUCTORY NOTE

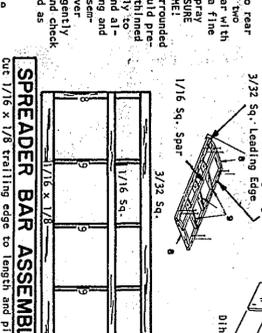
Paint scale is fun to build and fun to fly. Building, however, does require careful attention when cutting out the parts and assembly. Well built and good flying model. Model is built directly on plan. Pins are used to hold the parts in place while frame is drying. When the parts are dry, the model is ready to be painted. Pins may weaken the structure. We recommend that model be built with white glue such as Tite Bond or Elmer's Glue. Use sprayer model airplane cement is used VERY SPARINGLY on plastic parts. Light coats must be used so that plastic is not distorted. Follow covering instructions on bottom of fuselage. The following material is not included in kit: Flat sandpaper, fine sandpaper, fine sandpaper, making tape.

STEP 2

Using your sharp razor blade, cut completely out the spar from the outer panel. Keeping center section pinned down, remove panels from the surface and cement outer panel back in place, trailing tips 1/2" from spar. Immediately cemented in place and assembly permitted to dry THOROUGHLY. When dry, sand frames smooth rounding trailing edges and tips into leading edges.

TISSUE COVERING

Frame is covered tissue dry. Use clean dope to stretch tissue. Apply the light coat of dope to allow to dry. Cut tissue to shape required, and about 1/4" overlap all around. Apply a second coat of dope to the frame, then put the tissue over the frame. When dry, excess tissue is trimmed off with sharp blade. If any wrinkles develop, cut out wrinkled area, bounded by nearest frame-ends with red tissue. Except rudder which is covered white. COVER BOTTOM OUTER PANELS OF WING using 1 piece for each panel. Cover top of wing with 1 piece. Cover bottom of wing with 1 piece. If any portion of wrinkles is encountered on tips of center section, use separate pieces of tissue. COVER STRUT AND RODS with single piece of tissue. Label using one piece of tissue for each. Side view.



FINAL ASSEMBLY

Although sketch shows model uncovered, all components are actually covered (as described in the instructions) with VERY LIGHT COATS of wood model air-stabilizer and rudder to rear of fuselage, being certain stab is horizontal, rudder vertical. Wing is assembled to fuselage by cutting a wing pin template to top center of fuselage and setting pin in place (centered). Cement wing struts A, B, C and D in place on each side as shown in sketch and side view. Check that wing is aligned with fuselage. Check that wing is aligned with fuselage. Cement landing gear strut E to back of E and bottom of fuselage as shown. Cement of wire landing gear then cement strut F to back of E and bottom of fuselage as shown. Cement slip wheels on axles and a drop of cement to corresponding axle. Cement #22 to fuselage as shown. Cement #23 to fuselage as shown. Cement #24 to fuselage as shown. Cement #25 to fuselage as shown. Cement #26 to fuselage as shown. Cement #27 to fuselage as shown. Cement #28 to fuselage as shown. Cement #29 to fuselage as shown. Cement #30 to fuselage as shown. Cement #31 to fuselage as shown. Cement #32 to fuselage as shown. Cement #33 to fuselage as shown. Cement #34 to fuselage as shown. Cement #35 to fuselage as shown. Cement #36 to fuselage as shown. Cement #37 to fuselage as shown. Cement #38 to fuselage as shown. Cement #39 to fuselage as shown. Cement #40 to fuselage as shown. Cement #41 to fuselage as shown. Cement #42 to fuselage as shown. Cement #43 to fuselage as shown. Cement #44 to fuselage as shown. Cement #45 to fuselage as shown. Cement #46 to fuselage as shown. Cement #47 to fuselage as shown. Cement #48 to fuselage as shown. Cement #49 to fuselage as shown. Cement #50 to fuselage as shown. Cement #51 to fuselage as shown. Cement #52 to fuselage as shown. Cement #53 to fuselage as shown. Cement #54 to fuselage as shown. Cement #55 to fuselage as shown. Cement #56 to fuselage as shown. Cement #57 to fuselage as shown. Cement #58 to fuselage as shown. Cement #59 to fuselage as shown. Cement #60 to fuselage as shown. Cement #61 to fuselage as shown. Cement #62 to fuselage as shown. Cement #63 to fuselage as shown. Cement #64 to fuselage as shown. Cement #65 to fuselage as shown. Cement #66 to fuselage as shown. Cement #67 to fuselage as shown. Cement #68 to fuselage as shown. Cement #69 to fuselage as shown. Cement #70 to fuselage as shown. Cement #71 to fuselage as shown. Cement #72 to fuselage as shown. Cement #73 to fuselage as shown. Cement #74 to fuselage as shown. Cement #75 to fuselage as shown. Cement #76 to fuselage as shown. Cement #77 to fuselage as shown. Cement #78 to fuselage as shown. Cement #79 to fuselage as shown. Cement #80 to fuselage as shown. Cement #81 to fuselage as shown. Cement #82 to fuselage as shown. Cement #83 to fuselage as shown. Cement #84 to fuselage as shown. Cement #85 to fuselage as shown. Cement #86 to fuselage as shown. Cement #87 to fuselage as shown. Cement #88 to fuselage as shown. Cement #89 to fuselage as shown. Cement #90 to fuselage as shown. Cement #91 to fuselage as shown. Cement #92 to fuselage as shown. Cement #93 to fuselage as shown. Cement #94 to fuselage as shown. Cement #95 to fuselage as shown. Cement #96 to fuselage as shown. Cement #97 to fuselage as shown. Cement #98 to fuselage as shown. Cement #99 to fuselage as shown. Cement #100 to fuselage as shown.

FLIGHT INSTRUCTIONS

DO NOT ATTEMPT TO FLY MODEL UNTIL BALANCE (AT AROUND SHOWN ON SIDE VIEW) HAS BEEN ACHIEVED. ADD WEIGHT TO FRONT OR BACK IF NECESSARY, check using steam method described in covering note. Model is now ready. Pick a calm day for test flying. Wind propeller clockwise, release propeller. Model will glide down at a point on the ground and then falls off and stalls (AFTER MODEL WAS BALANCED). Bend elevators down slightly, using rubber band. Bend elevators up. If model veers too much to one side, bend rudder to opposite side. If model glides well but stalls, dives, or turns under power, cement 1/16" brass shim to front.

bulhead which will angle coak to opposite direction. (down or side thrust). Increase or decrease the power and therefore more turns in rubber motor. For longer flights and competition, it is recommended that model lubricant (available at most hobby shops) be used. Apply Model's Rubber Winder is highly recommended. It is available at your dealer at a very reasonable price. To store winds in motor, stretch rubber out 3 to 5 times the length of motor. Feel rubber from time to time to be certain that it does not get so tight that it breaks. Upon reaching motor, motor should be completely wound. GOOD LUCK AND GOOD FLYING!

They Fly As Great As They Look

