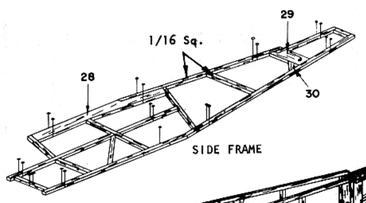
FUSELAGE ASSEMBLY

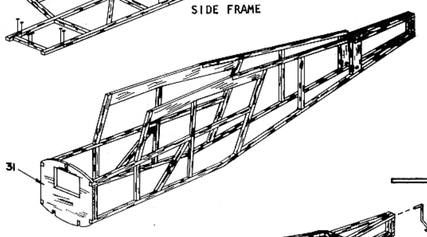
STEP 1

Important--Be sure to read Introductory Note on other side of plan before starting assembly of this model. Remove any creases in plan. Tape down to building board, and cover with Saran Wrap 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 of full-size pattern. Gear is now cemented between bulkheads #32's, as shown on dotted location on #32. Solid black lines on full-size side view is the fuselage side frame. Cut 1/16" square strips carefully to length, pin & cement in place. Add parts #28 thru #30. Allow side frame to dry before removing from board, then build another identical side frame.



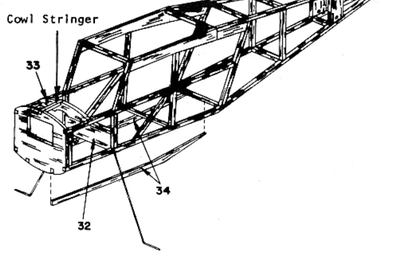
STEP 2

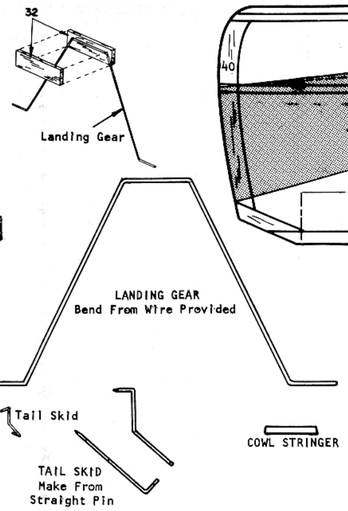
Assemble fuselage sides by cementing them together at rear. Be certain ends are perfectly flush with each other, then cement #31 to front as shown. Allow to dry.

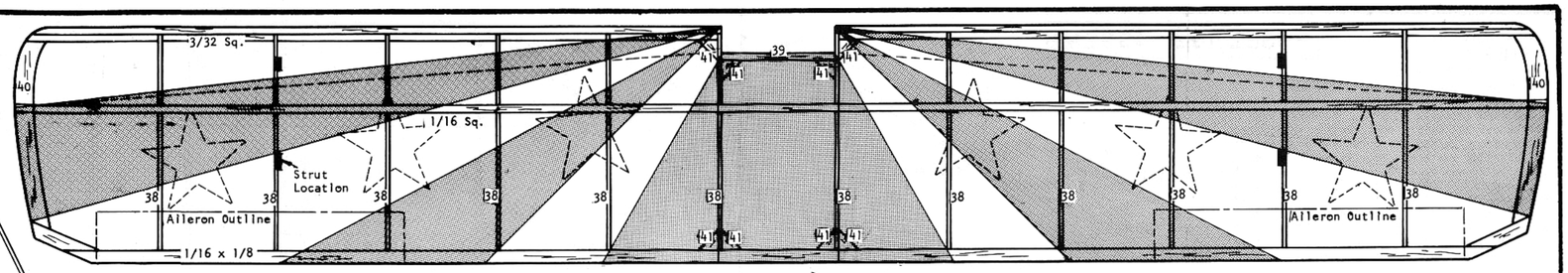


STEP 3

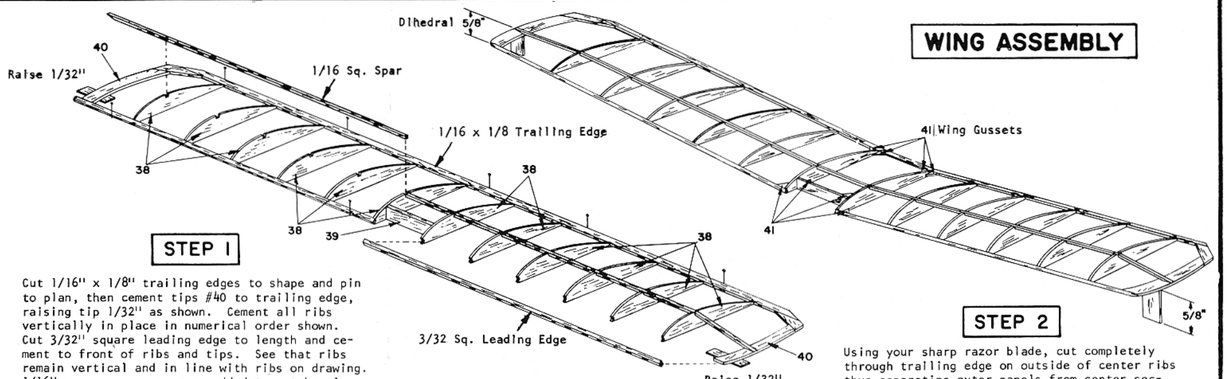
Cement landing gear bulkhead assembly #32 between fuselage sides at second upright, then cut cross-members to length shown in solid lines on top view. Cement in place working from front to rear, holding sides together with tape where necessary. Where sharp bends occur, strip may be cracked or nicked with razor to remove strain. Both sides must be treated the same in order to avoid distortion. Check assembly with top view to be certain fuselage is aligned properly. Also check from front and rear to be sure fuselage is square and not distorted. When dry, cut top cowl stringer using pattern provided. Bevel bottom of #33, then cement #33 in place leaning forward so that top center stringer sets up proper angle as shown. When dry, add #34's to bottom. Clip head off straight pin, bend tail skid to shape shown on pattern then cement to end of fuselage.







WING ASSEMBLY

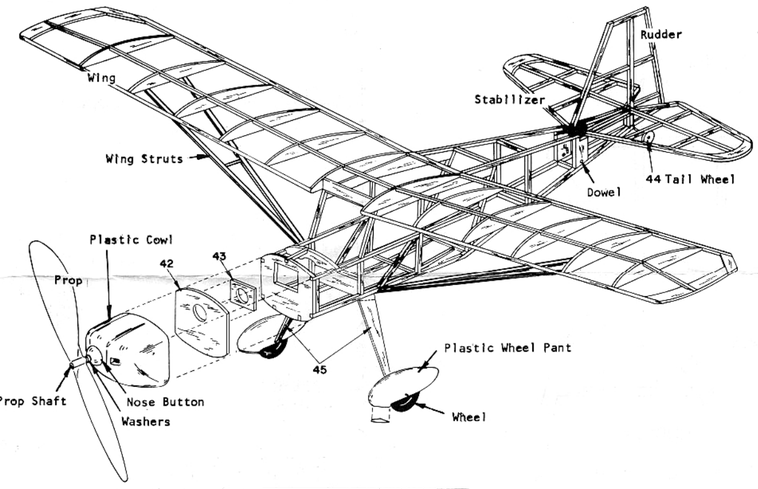


STEP 1

Cut 1/16" x 1/8" trailing edges to shape and pin to plan, then cement tips #40 to trailing edge, raising tip 1/32" as shown. Cement all ribs vertically in place in numerical order shown. Cut 3/32" square leading edge to length and cement to front of ribs and tips. See that ribs remain vertical and in line with ribs on drawing. 1/16" square spars are now added to notches in top of ribs as shown. All cemented in place except at center ribs #38, which must be free to move when installing dihedral in next step. Spars are cracked at tip rib to angle down fitting flush with tip. Add center brace #39. Allow wing frame to dry thoroughly.

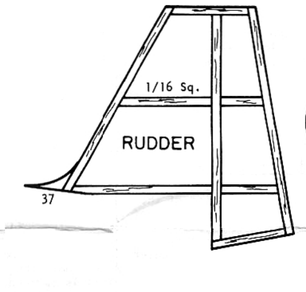
STEP 2

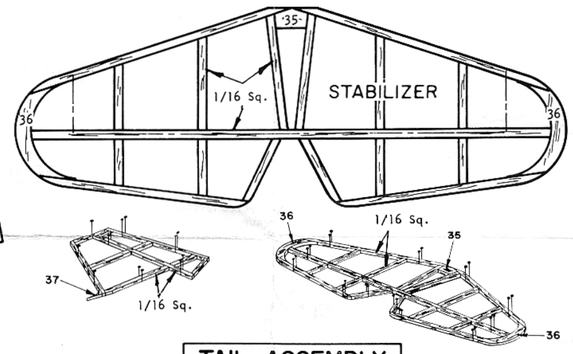
Using your sharp razor blade, cut completely through trailing edge on outside of center ribs thus separating outer panels from center section. Keeping center section pinned down, remove panels from flat surface and cement outer panels back in place, raising tips 5/8" as shown for dihedral. Wing gussets #41's are now immediately cemented in place and assembly permitted to dry THOROUGHLY. When dry, sand frame smooth rounding trailing edge and tips into leading edge.



TISSUE COVERING

Frame is covered tissue dry. Use clear dope to attach tissue. Apply a light coat of dope to the outside edges of the area to be covered and allow to dry. Cut tissue to shape required, about 1/4" oversize all around. Apply a second coat of dope to the frame, then put the tissue in place smoothing into frame and working out any wrinkles. When dry, excess tissue is trimmed off with sharp blade. If any wrinkles develop, cut out wrinkled area (bounded by nearest framework) and recover section. Wing is covered with white tissue with red tissue trim. COVER BOTTOM OUTER PANELS OF WING using 1 piece for each panel: Cover top of wing in 3 pieces; center section and outer wing panels. If any problem of wrinkles is encountered on tips, use separate pieces of tissue. COVER STAB AND RUDDER with single piece of red tissue for each side. Fuselage is covered with red tissue with white trim. COVER TOP & SIDES OF FUSELAGE using one piece of tissue for each. Top section of cowl is covered with 1 piece of tissue, as is the bottom of the fuselage section with #34 stringers. Rear of fuselage is covered with another piece of tissue. Using a fine spray (such as from a perfume atomizer) spray tissue lightly with water to shrink. BE SURE TOP AND BOTTOM ARE SPRAYED AT THE SAME TIME! Set aside to dry on end, so that it is surrounded by air permitting equal drying. This should prevent warps. Apply 2 coats of clear dope thinned with equal parts of thinner (50/50). Apply to top and bottom surfaces AT SAME TIME and allow to dry in same manner. Using full-size plan as pattern, cut red tissue trim and apply to wing with thinned dope. Do likewise with white stripes on fuselage. When dry, apply a third coat of thinned dope to all covered surfaces. Check that wing and tail surfaces are free of warps before assembling. Warps can be removed by holding over steam (from boiling kettle) and twisting gently in opposite direction. Hold until cool and check again. Model is now ready to be assembled as described in Final Assembly.





TAIL ASSEMBLY

Pin and cement number parts together over plan. Complete assemblies by adding 1/16" square strips. cut to fit, and cement in place. Allow frames to dry thoroughly before removing from flat surface then sand smooth, rounding edges. Cover as described in Covering Note.

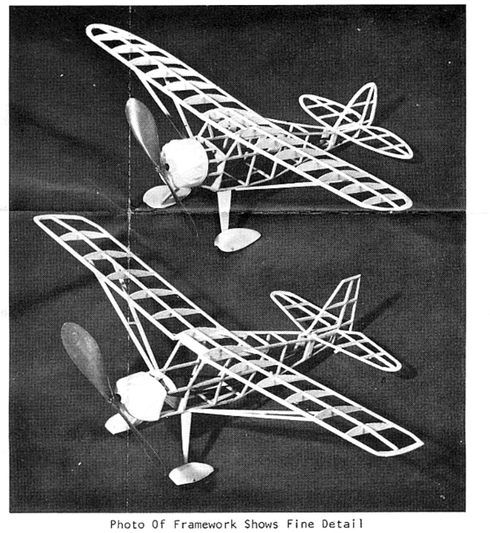
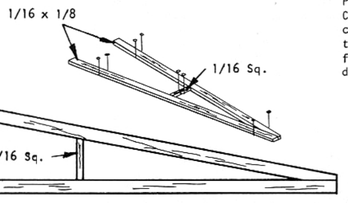
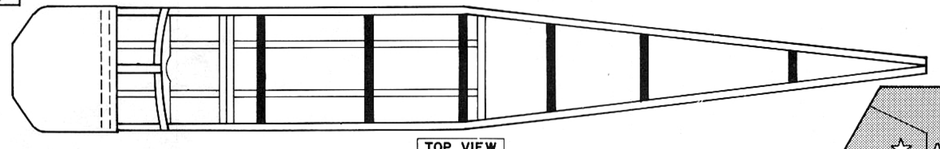


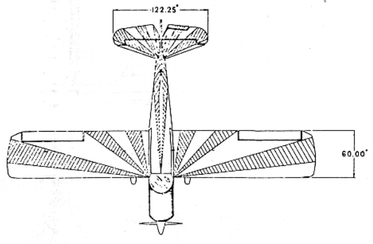
Photo Of Framework Shows Fine Detail

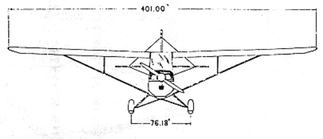


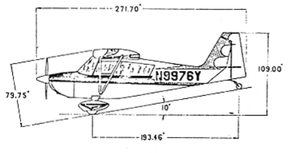
WING STRUT DETAIL

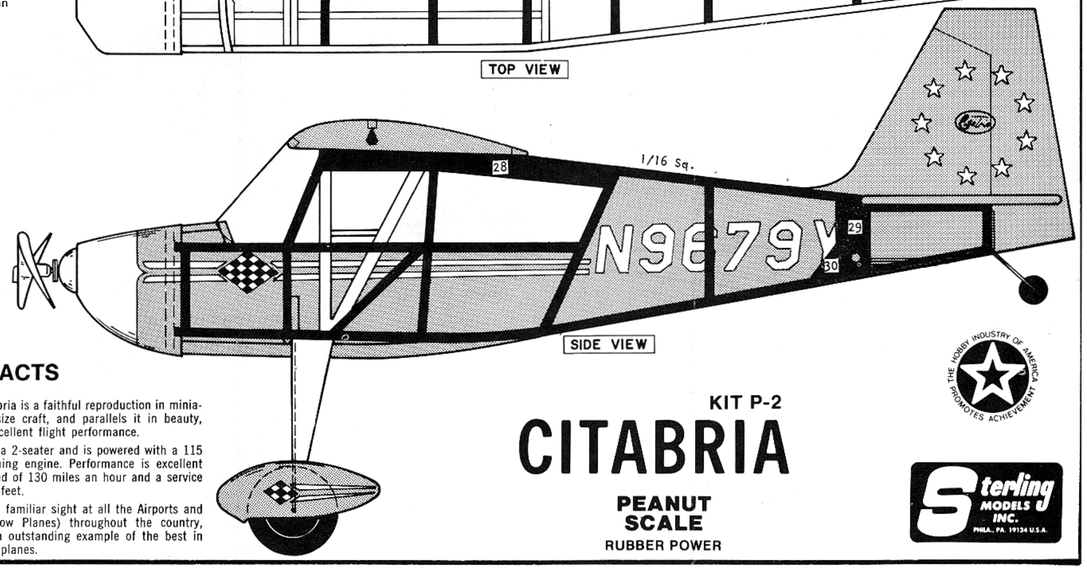
Cut 1/16" x 1/8" strips to length, tapering bottom as shown. Cut 1/16 Sq. strip to length then pin and cement together over full-size plan. When dry sand smooth, rounding corners. Make two assemblies.





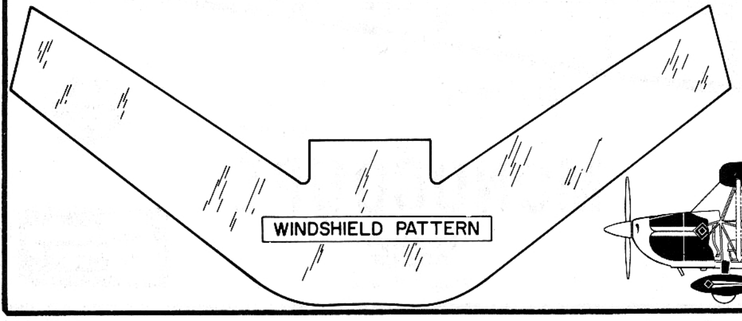


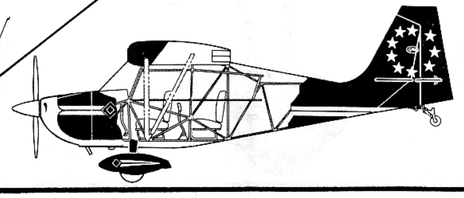




FINAL ASSEMBLY

Although sketch shows model uncovered, all components are actually covered (as described in Covering Note) before assembling model. Cement stabilizer and rudder to rear of fuselage, being certain stab is horizontal, rudder vertical. Cement wing to top of fuselage, trailing edge located as shown on side view. Check wing and tail alignment from front and top. Cement wing struts in place, location shown on side view and wing plan. #45 landing gear struts are sanded smooth, rounding edges, then cemented to wire landing gear, shown on side view and sketch. Top may be cut off at angle (shown in sketch) to permit flexing. Cut wheel pants from plastic sheet. Push pin through axle hole locations then install by placing wheel in pant, then sliding both onto landing gear axle, capturing wheel within pant. Bottom of strut is beveled to fit and pant is cemented to strut with very light coats of wood model airplane cement (HEAVY COATS MAY DISTORT PLASTIC). Add drop of cement to axle protruding through outside of pant. Place #43 into corresponding cut-out in #31, trimming if necessary for snug fit. Apply a coat of cement to front OF #43 ONLY then put #42 in place, aligning with #31, pressing #43 against #42. When cement is dry remove assembled #43 & #42. Cut cowl from plastic sheet. Place assembled #43 & #42 on flat surface, #43 down. Push rear of cowl over assembly so that #43 is flush with rear of cowl and #42 is recessed 1/16" within cowl. Cement in place with VERY LIGHT COATS of wood model airplane cement to prevent distortion. Using celluloid provided, cut windshield to pattern shape and cement in place. Slip nose button on propeller shaft, followed by the two washers. Insert shaft through rear of prop and make a 90° bend in end of shaft to engage prop. Install rubber loop by dropping thru fuselage. Push dowel thru hole in #29, thru rubber loop and into hole in opposite #29, thus capturing rubber. Bend wire hook out of paper clip and pull rubber loop out of fuselage and engage in propeller shaft hook. Slip tail wheel #44 onto tail gear as shown. Box wrap shows color trim. Main trim is applied with tissue as described in Covering Note. Use PLASTIC MODEL PAINT for any paint trim. Apply decals at location shown. Scale control surface outlines may be drawn carefully with India ink or thin strips of black tape. Your Peanut Scale Citabria is now finished. Be sure it balances at arrow shown on side view, and that you read flight instructions on other side of plan before flying. We would like your comments and suggestions on this kit and possible new kit selections. Write to: Sterling Models, Inc., 3620 "G" St., Phila., Pa. 19134, U.S.A. GOOD LUCK AND GOOD FLYING!





CITABRIA: LEGENDARY FACTS

The beautiful Citabria is manufactured by one of the oldest names in American aviation, Bellanca Aircraft Corporation. With this illustrious lineage, it is not surprising that the Citabria is just about unbeatable as a Fun Plane, a Primary trainer, or for Aerobatics.

Built to last, this sturdy airplane features tubular steel construction and damage resistant, life-time Dacron. This is the basis for the tremendous durability and strength that is needed for the hard day-to-day service delivered by the Citabria, as well as the fancy Aerobatics.

Our model Citabria is a faithful reproduction in miniature of the full size craft, and parallels it in beauty, durability, and excellent flight performance.

The Citabria is a 2-seater and is powered with a 115 to 150 HP Lycoming engine. Performance is excellent having a top speed of 130 miles an hour and a service ceiling of 17,000 feet.

Getting to be a familiar sight at all the Airports and Gliderports (as tow Planes) throughout the country, the Citabria is an outstanding example of the best in modern-day light planes.

KIT P-2

CITABRIA

PEANUT SCALE

RUBBER POWER

THE HOBBY INDUSTRY OF AMERICA PROMOTES ACHIEVEMENT

Sterling MODELS INC. PHILA. PA. 19134 U.S.A.