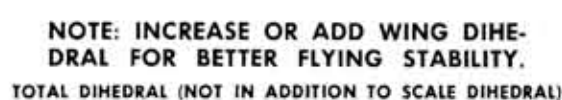
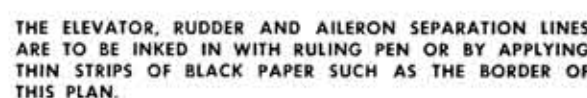
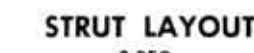
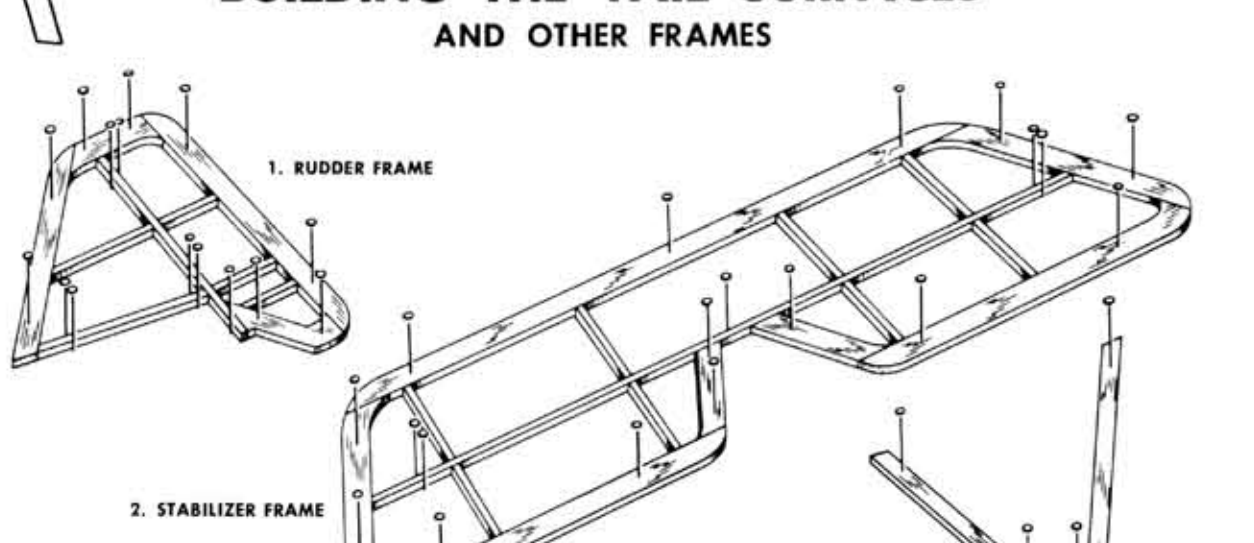
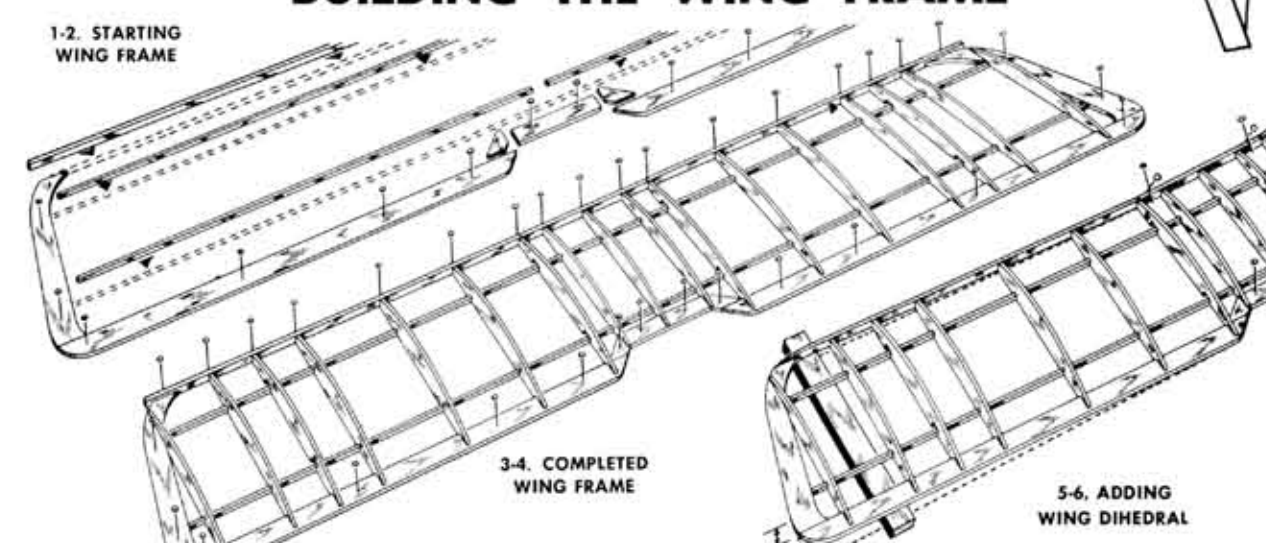


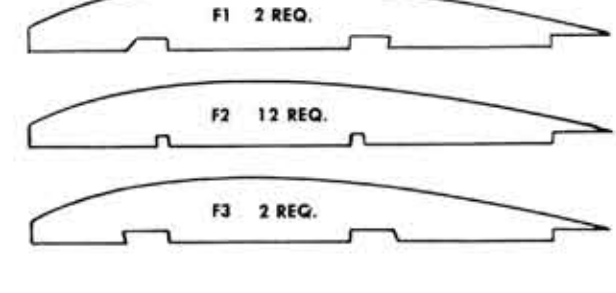
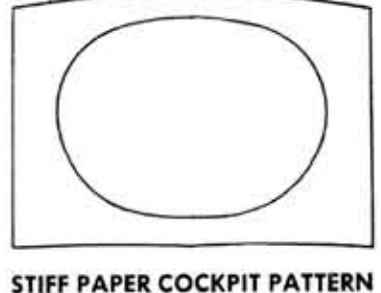
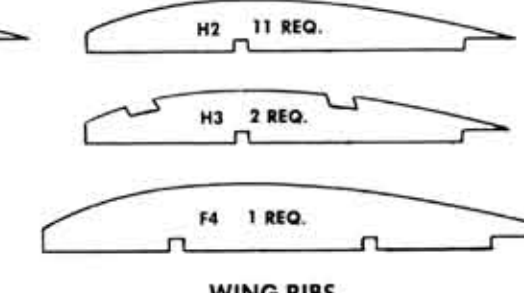
for a rubber motor replacement, ask for
T-56 Rubber Thread
 available in various sizes at your local hobby shop



BUILDING THE WING FRAME



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4. LANDING GEAR STRUT
- Pin to plan, and cement respectively to each other, all rudder parts "C". Cut $1/16$ " sq. members to size and cement in position.
- Build stabilizer frame in a similar manner using parts "D" and $1/16$ " sq. members.
- Remove frames from plan and sandpaper lightly, rounding all edges.
4. Pin landing gear parts "K" to strut layout after cementing pieces together.
5. For models with N or V cabane struts, assemble parts "J" over layout. For models with N or V wing struts, assemble parts "K" over layout.



DO NOT USE REGULAR CLEAR DOPE OVER DECALS BECAUSE IT WILL DAMAGE THEM. USE 410 M CLEAR PLASTIC PAINT WHICH WILL ALSO FUEL-PROOF — AVAILABLE AT YOUR DEALERS. WE ALSO RECOMMEND THE USE OF AMBROID PLASTIC CEMENT FOR BONDING PLASTIC TO PLASTIC AND PLASTIC TO WOOD. USE REGULAR MODEL CEMENT FOR BONDING WOOD PARTS TOGETHER.

When attaching the tissue covering to the frames, it is best to use thinbed out clear dope as an adhesive instead of cement or full strength dope. Mix thinner and dope about 50-50 for proper consistency. Only apply the thinner and dope to the frames. Do not cover the tissue or the frame work within area covered by section of tissue.

UPPER AND LOWER SURFACES: Cover top and bottom of sides and bottom of frame. Cover curved areas of fuselage in separate sections — vertically between frames. Dry fit tissue over curved sections to see how much of the tissue is required. Trim tissue to fit. Do not apply tissue to the tissue slightly larger than area to be covered then trim off excess after attaching to frame.

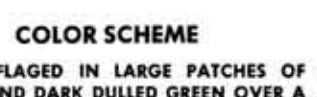
WINGS: Cover bottom of wings with single pieces of tissue. Cover top of wings between center section and tip ribs with one piece of tissue. Cover leading edge of wings with single piece of tissue.

TAIL SURFACES: Cover both sides of rudder and top and bottom of stabilizer with single pieces of tissue.

After covering is completed and all excess tissue is trimmed off, spray tissue with water from an atomizer and let dry until covering becomes smooth and taut. For best flying performance, the covering should be stretched and smoothed. The application of clear dope he applied to the surfaces. (If model is to be used for display only, it is not necessary to stretch and smooth the covering.)

FINISHING: Lightly sandpaper remaining bare parts and apply one coat of dope to all surfaces.

1. With a sharp razor, remove tissue from around notches in wing ribs that receive the wing and cabane struts. Also remove tissue from around the wing and cabane struts.
2. Cement bottom wing to the fuselage. NOTE: Some models have short stringers between the formers at the bottom wing center section. These stringers must be removed before cementing the wing to the fuselage.
3. Cement stabilizer and rudder to fuselage. Align carefully before cement dries hard.
4. Cement wing struts into prepared notches in fuselage.
5. Cement top wing struts in notches in bottom wing.
6. Cement wing tip to tail struts. Line up carefully before cement dries hard.
7. Cement landing gear to fuselage and bottom of wing.
8. Cement the bottom landing gear to the bottom landing gear struts. Cement tail "kid" in place.
9. Cement the tail fin to the fuselage through right and left landing gear struts beneath the sub-wing – cement solidly in place.
10. Slip wheels on axles and bend up ends with a pair of needle nose pliers.
11. Cut celluloid windbreaker to shape and cement in position in front of cockpit. (Pattern furnished on plan), EXCEPT for the bottom of the cockpit. The bottom of the cockpit must be held in place by placing softened clay inside the front and bottom of fuselage between the front formers and the fuselage firmly in place so that it will not become dislodged during flights.



ENGINE 160 H
MAXIMUM SPEED
CEILING



Prepare for building your model by accumulating necessary tools and materials such as pins, cement, single edge razor blade or modelers knife, wax paper, common pins, fine sandpaper, dope, brush, etc. All frames are built on the opposite side of plan. Lay plan on a workboard and pin wax paper over layouts to prevent parts from sticking to plan during assembly. Carefully remove all parts from the die-cut sheets and lay on workboard with the identifying letters face up.



ADJUSTING AND FLYING THE MODEL

1. Catch wings for possible warps. If warped, correct by holding the warped section over steam from a boiling kettle and twisting gently in the opposite direction until the wing is straightened — be careful and don't get scalded!
2. Test glide model over grassy area by gently thrusting the wing forward and down to level the wing. If the model is unstable, correct by gently bending stabilizer either up or down to compensate for a dive or climbing stall. ("up" stabilizer for dive — "down" stabilizer for stall.)
3. Test climb by gently pulling the wing back and up by bending rudder in opposite direction of curved flight.
4. Wind propeller 100 turns (clockwise when facing nose of model) and gently thrust into prevailing wind. If the model is unstable, correct by gently pulling the wing back and up by bending rudder slightly to the right to give the model a climbing right turn. Longer flights can be made after the tests by winding propeller motor up to 200 turns.