

	LM 1/16"X1/4" CAP STRIPS			
/32" DIA. WIRE	1/4"X3/8" L.E.(PIN DOWN BING 1/16"X3/8" SPAR SUPPORT	AS SHOWN)	ION PIN BOTTOM T.E LET DRY THEN A	E. DOWN FIRST ADD TOP T.E.
EAR WEBS RTICAL 1/16" SHEET	W1	THIS VIEW SHOWS BASIC CONSTRUCTION LESS TOP PLANKING AND CAP STRIPS	W1	1/8"X1/4" SPRUCE SPARS W1
T RIBS-	1/16"X1/4" BALSA STRIPS FOR FILL-IN BETWEEN TOP & BOTTOM T.E.		-1/16" X1-7/16 SHEET T.E.	
Assem rear st assem tubing. Cut the onto th Lightly 1/16 so strengt the sta atop th mount all con	FIN able the stab mount. Start by gluing a piece of ab mount piece. Make sure it is centered ver ably. Glue strips of 3/32" balsa in the top and . When the glue is dry, sand off the excess 3 e 3/16 sq. uprights to length and pin to plan. The fuselage so just lightly cement the corners of cement the 3/16 x 1/4 main spar to the fin ji q. and the 1/16 sheet gussets in place. Pay if th. When dry remove from the board and cer abilizer mount as shown on the side view of the for stabilizer push rod as shown on the plan throw have been installed.	of 3/32" brass tubing to the forward face of the tically. Glue the forward stab mount piece to bottom slots above and below the 3/32" brass/32" square balsa strips. The fin jig will be removed after the fin is builts to hold the structure together until that time. G. Cement the upper FT and lower FB fin ribut to the grain direction, very important for ment built up fin assembly to main fin post. A he plans and cement the stabilizer mount in the fin top in place, when dry cut slot in stab the stability.	e	
Cement the fro 1/16" plywood sq. balsa on to stabilizer to air	NO STABILIZER ont and rear stabilizer pieces together, carefully a ribs in place. Cement the 3/32 O.D. brass tubes op of the tubing to closeout slot, sand off excess foil shape as shown on the plans.	TE GRAIN DIRECTION FOR TOP align and cement the in place, cement 3/32 when dry. Sand	P & BOTTOM SHEETING	OOD RIBS
	3/32" SQ ON OF THE 3/32	TOP AND BOTTOM TUBING		3/32" TUBING FOR
	— 3/16" BALSA SHEET		ST.	ABILIZER MOUNT
1/4" \$	SQ BALSA PUSHROD			
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TYPICAL PUSHROD ASSEMBLY

3/32" SHEET TOP & BOTTOM



trailing edges in place. Cement all the ribs in place as shown, angle the center section rib using the rib angle template. Cement the leading edge in place, make sure the rib is 1/16 below the top edge of the 1/4 x 3/8 leading edge. (This is

support in place. Discard the 1/16 x 3/8 support and sheet cover the bottom leading edge and the bottom center section only. Before cementing the 1/16 plywood ribs in place, mark balsa rib so that the holes will be aligned with the spars, if plywood rib is too high or too low the 3/16 tubing will be difficult to install. Cement the 1/16 plywood ribs in place. Using 1/16 plywood rib as a template drill holes thru the three center section ribs for the brass tubes and then cement or epoxy in place, both front and rear tubes. Add 3/16 sq. on top of the rear tube between the ribs as shown, when dry sand flush with top of airfoil. Cement trailing edge wedge in place between first and second ribs as shown. Cement the 1/16 x 1/4 fillin between top and bottom trailing edges as shown on plans. Add the vertical grain shear webbing as shown and allow to dry. Next cement all the top sheeting and wing tips in place then cement all the cap strips in place. When dry shape

press the iron over the wood until a firm bond is obtained. For working around corners and round areas, the film may require slightly more heat. It can be worked by pulling and heating the film at the same time. Each individual may have a slightly different technique

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the top and bottom 3/16" sq. cross braces to size. Now check the two 1/16" plywood belicrank mounts for fit into the fuselage and for the belicrank shaft. Drill holes into the balsa sheet sides to accommodate the belicrank shaft. When fit is satisfactory, cement the two plywood bellcrank mounts to the fuselage sides. Now match up the two sides and trim them so they are identical. Install the bellcrank just before cementing the tail end of the sides together. The belicrank should move back and forth freely and have approx.

then cement on the nose block. Next cut out the clearance for the bellcrank and stabilizer pushrod in the top longerons as shown on

edge of the canopy floor to match the angle of the rear angle. Glue the two 1/16" plywood rails to the bottom of the canopy floor. The tabs and slots will shape the rails to match the curve of the fuselage longerons. Sand the bottom edge of the canopy rear piece to match the angle of the canopy floor. Glue the canopy rear piece to the assembly. Glue a 1/"x1/16" round magnet in each magnet hole. The magnets should be flush with the outer surfaces and their polarity should match their fuselage counterpats for attraction. Cement on the clear plastic. Before adding the bottom sheeting to the fuselage check out the radio gear installation. Cement 3/16 x 3/8 spruce (2) servo mounts in correct position. Prepare the pushrods, pushrods are 1/4" sq. hard balsa; however, almost any quality pushrod system should be acceptable. Once the radio installation has been checked out and radio gear mounting pieces have been fitted or cemented in place, the fin assembly should be cemented into place after clearance openings have been cut for the elevator pushrod and also tin uprights which will protrude down into the fuselage and be cemented. After fin is cemented on check out the control movements making sure there is no binding and rods, bellcrank and clevises move freely with adequate travel. After removing the radio gear cement on the bottom fuselage sheeting and sand the entire structure smooth, rounding corners to the degree desired. Add the 1/8" plywood tail skid and fillet well with epoxy and do the same for the front skid should you decide to

Before putting on the finish, cut slots for the rudder hinges which will be epoxied into place after the finish is completed. Also check the rudder movement when epoxy is applied to assure

stabilizer halves in place; if stabilizer slides on wire too freely, kink wire slightly. Slide the wing dihedial wires into one wing half. Slide other half of wing on wires. Rubber band wing to fuselage. Place the wing cover on the wing. The magnets will hold it in place. Balance assembled model at

1/16" PLYWOOD SKID