

RADIO CONTROL INSTALLATION

Because of the relatively small size of this fine scale Cherokee model, it is recommended that only the lightest Radio equipment be installed. None of the Radio Control Equipment or Installation material is included in the kit, it must be supplied by the model builder. In order to maintain the balance point shown on side view, mount the Radio equipment in the Cabin area. Access to this equipment is made through a Trap Door, which is fitted in the center section of the Fuselage directly below the wing. Trap door should be of substantial strength and hinged on the front end. Opposite end can be held in place with a rubber band stretched across hooks on each side of Fuselage, or tiny screws into hardwood blocks to receive them. If model is to be flown Rudder only, mount Rudder with cloth hinges (see detail), making sure that it swings freely. Location of hinges is shown on full size Rudder drawings. If model is to have elevator control follow hinging and linkage instructions in Control Line Note. If Ailerons are to be operable drill hole thru wing ribs for nylon tubing (not supplied) used for pushrods and install tubing according to manufacturer's instructions. Hinge Ailerons to Wing with Poly Hinge material. Leading Edge of Wing, back to main spar must be sheet covered with 1/32" sheet material on models with operating Ailerons. Since R/C equipment is varied, no specific installation directions can be given. Install the R/C equipment according to the R/C manufacturer's instructions. All installations for securing R/C in Fuselage should be made before covering Fuselage. When model has been completely finished, it must balance as shown on side view. If necessary, add weight, but DO NOT ATTEMPT TO FLY UNTIL BALANCE HAS BEEN ACHIEVED. Check Wing and Tail for warps. If any have developed, remove with steam method as described in Covering Instructions. Wait for calm weather for test flights. Field test R/C equipment before flying, as described in manufacturer's instructions. Start Engine and THROTTLE DOWN slightly down at a point 50 to 60 ft. in front of you, and release at approximate flying speed. Model should fly in straight line and either maintain slightly low altitude. If model turns to either side, Rudder or Engine may be offset to opposite side to achieve a straight flight, which is how it should glide and fly. If model glides well, but stalls under power, point front of Engine down (down thrust) by placing shim under mount. Increase Engine RPM as adjustments are made, checking R/C controls before each flight. GOOD LUCK! GOOD FLYING!

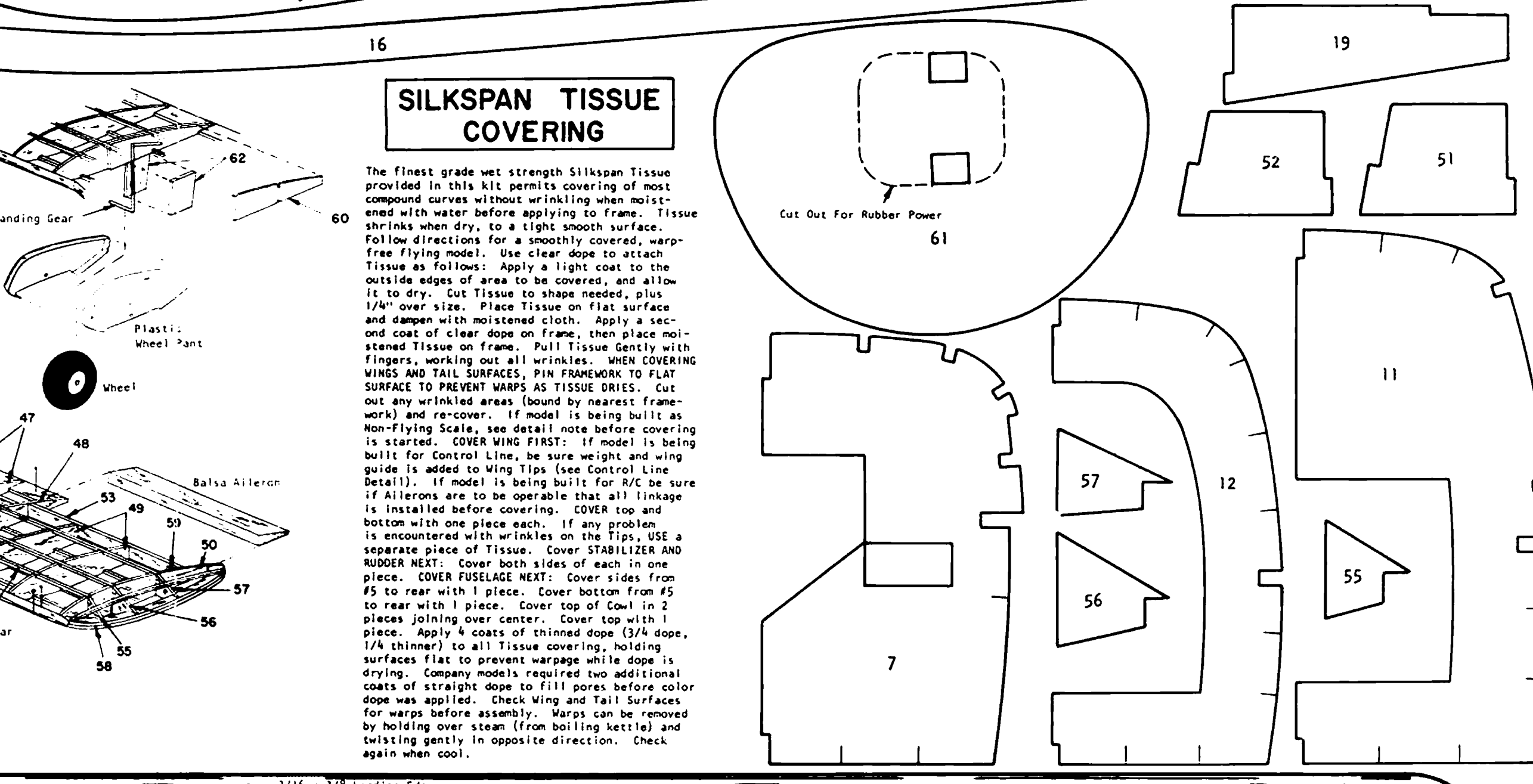
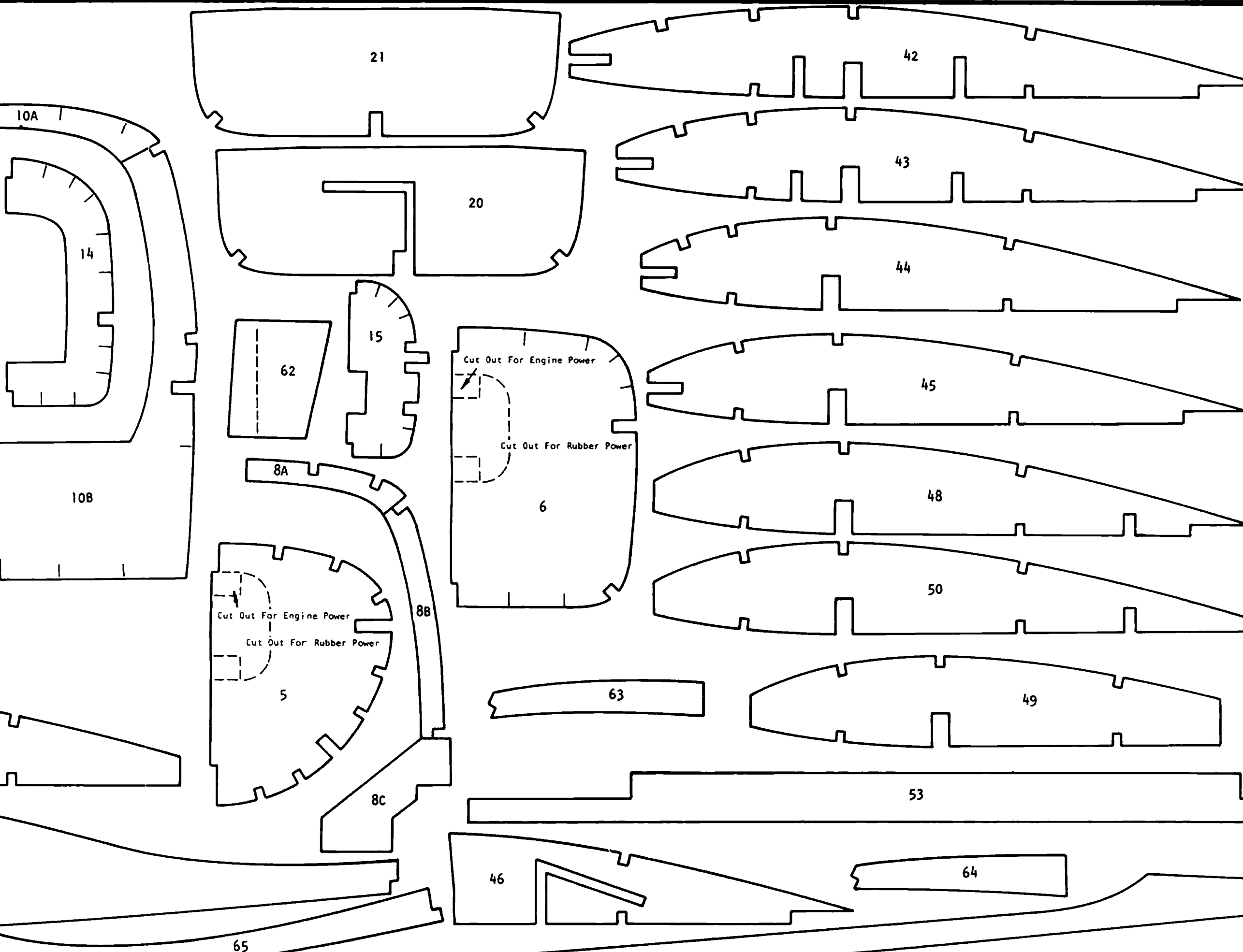
DANGER
RULES FOR SAFE FLYING

1. All equipment must be checked before each flight to make sure it is in good operating condition.
2. Fly only in a clear unobstructed area.
3. Model must never be flown in the vicinity of high tension lines or any electrical lines.
4. Model should never be flown when thunder and lightning storms are in the area.
5. Precautions should be taken to insure the safety of all spectators, modeler and property.

Sterling Models, Inc., Philadelphia, Pa., 19134, U.S.A.

DIE CUT PART NOTE

All die cut parts used in construction are given full size either on full size plan or individual layout. This will enable you to duplicate any part should it become necessary for any reason. Die cut parts contained in sheet as furnished in kit are also available from the factory as replacements.



WING ASSEMBLY

Build Wing panels on flat surface directly on Saran covered plan. Pin trailing edges #41's in place. Cut 3/16 x 3/8 main spars to length and pin in place vertically. Pin #53's in place vertically as shown, then cement all ribs in place by the numbers shown from #42 to #50 at the same time placing angle templates #51 and #52 between ribs #41 and #43. Note that #43 is vertical and #42 is not set at angle for proper dihedral. Cement #54 into notches in front of ribs from #42 to #45 as shown, then cut 3/16 x 3/8 strips for Leading Edge to length and cement to front of ribs. Cement Wingtips #58 in place centered on Leading Edge. Cement the 3/32 x 1/8 spars into notches in tops of ribs. Cement corner gussets #59's in place and allow wing to dry thoroughly (over night recommended). Remove Wing from flat surface and cement tip supports #55's, #56's and #57's in place as shown. Cement Landing Beers into notches in ribs #46 with Axtas pointing out then cement #60 in place against #46 sand-wiching gear between. Detail Drawing shows Fairings #62, Wheel, and Wheel Pant which are installed in Final Assembly. Pant is shown in half for clarity only. It is assembled as described in Plastic Parts Note. Cement the 3/32 x 1/8 lower strainers in place. Cement a length of 3/32 x 1/8 across top of Tip supports as shown from front of #58 to rear. Allow wing to dry thoroughly then sand smooth to prepare for tissue covering. Ailerons are cut to length and cemented in place unless model is to be Radio Controlled in which case see instructions in Radio Control Detail.

