

WING CONSTRUCTION & CENTER SECTION

1. Pin all wing saddle cores to wing cores before cutting out wing joiner supports. (Note Picture)
2. From leading and trailing edges, measure in $3 \frac{1}{2}$ " and from there towards center cut out $\frac{3}{4}$ " slot 6" into core, making sure of left and right outer panels. (Note Picture) Slots may be cut with ordinary hand tools such as knife, hand saw, sabre saw, etc.
3. If slot is too large, shim with scrap balsa after you epoxy in wing joiner block. Temporarily bolt joiner together with saran wrap in between. (Note Picture)
4. Epoxy joiners to trailing edge side and leading edge side first. If slot is too large, fill in with scrap balsa to inner side and epoxy joint thoroughly.
5. Cut out landing gear slot and landing gear support wells, $1 \times \frac{1}{2}$ deep x 9" long. Block must rest against wing joiner block. Cut landing gear block 9" from 12" piece. Cut (2) $1\frac{1}{2}$ " support blocks. These blocks are epoxied in under landing gear block. (Note Picture) Make sure all dimensions are correct before you make any epoxy joints.
6. Epoxy gear block assembly together before inserting into wing. When epoxy has cured, drill $\frac{3}{16}$ " hole for landing gear leg stiffener. Wrap gear stiffener and landing gear with soft wire, and solder. It is important that this is a good solder joint.
7. Take gear assembly and fit into cavity to check the fit; also check to see if wells for supports are deep enough. (Note Picture)
8. Epoxy gear assembly into center section of wing. Gear assembly meets with wing joiner and makes a strong section, supporting the landing gear as well as the wing joiner. (Note Picture)
9. Repeat the same procedure for the other side of the center section.
10. Set center section down on flat surface and fill in excess cavity with scrap foam which you cut out. Epoxy the foam and sand smooth to wing core. Now cut out slot in center section for your aileron servo wires. Slot is $\frac{3}{4}$ " deep by $\frac{5}{8}$ " wide. Cap is $\frac{1}{8} \times 1 \times 36$ " balsa. Cut out top of wing to flush mount $\frac{1}{8} \times 1$ " balsa cap. (Note Picture)