



**BUILDING AND FLYING INSTRUCTIONS:**

- 1 - Ready the pieces and all contents carefully.
- 2 - Check shape of pieces to prevent splitting.
- 3 - Remove all dust spots from the sheets.
- 4 - Check parts for defects for use in wing, fuselage, stabilizer, elevators, rudder fin, rudder etc.

**WIND ASSOCIATION:**

- 5 - The top forward spar is now positioned.
- 6 - Position ribs P-3, W-4, W-5, W-6, W-7, W-8.
- 7 - Note which ribs have an alignment hole to hold level. These are trimmed off later on.
- 8 - Rib and W-10 is now installed.
- 9 - Connect the leading and trailing edges in place.
- 10 - The top forward spar is now positioned.
- 11 - Note the rib on top near W-10 x 1/4" spar.
- 12 - Connect W-10 in place.
- 13 - All plywood wing spars are now installed.
- 14 - Add rib W-11, W-12 and W-13.
- 15 - Note that over rib block is attached.
- 16 - Assemble opposite panel in like manner.
- 17 - Remove from pins and add rib W-14.

**WING ASSEMBLY DETAIL**

- 18 - Connect the plywood backrest, locate rest of ribs.
- 19 - Drill a 1/8" dia. hole for the mounting bolt.
- 20 - Check the rest of the ribs with weight equal to that of the control line wire.
- 21 - Attach 1/20" sheet wire as needed to plank wing. Cut diagonally with straight edge after carefully measuring to get wire needed for each area top and bottom.
- 22 - After entire wing is sheet planked, install the wing to blocks.
- 23 - Sand the wing structure smooth.

**STABILIZER:**

- 24 - The stabilizer is assembled to match the same general pattern as the wing.
- 25 - Note the stabilizer engine plywood "T" shaped center to reinforce with wire cables.
- 26 - Stabilizer is assembled on the plan, inverted, with forward "T" facing upward.
- 27 - Avoid section in symmetrical, so stabilizer is glued over other reverse from plan.
- 28 - Install die-cut stabilizer ribs W-15, W-16 and W-17.
- 29 - Position rib W-18 and plywood "T" parts.
- 30 - Connect the leading edge in place, allow to dry.
- 31 - Remove from pins and add rib W-19.

**FOX .09 ENGINE INSTALLATION**

- 32 - Install top 3/32" x 1/4" shoring pins as necessary to meet the plywood.
- 33 - Allow necessary to dry, allow completely.
- 34 - Remove the shoring from the pins.
- 35 - Do not trim elevators to the stabilizer till later.
- 36 - Refer to the basic fuselage side view right center of the plan.
- 37 - Pin the top and bottom keel strips P-10, P-11, P-12 and P-13 in place on this basic assembly view.

**FOX .15 ENGINE INSTALLATION**

- 38 - Locate engine with straight edge into or double slot, one latched against the other.
- 39 - Add additional gear detail from wire provided and feel line tubing.
- 40 - Install fuel tank, forward edge and bottom full aluminum (metal) tank. Forward edge and bottom full aluminum (metal) tank. Other detail is visible on the drawings.
- 41 - After a final smooth sanding with fine sand paper, apply two coats of clear dope to entire model and allow to dry well. Lightly sand again, and follow with a coat of wood filler and another sanding. Apply several coats sanding until finish and smooth. Apply several coats sanding until finish and smooth. Apply several coats sanding until finish and smooth. Apply several coats sanding until finish and smooth.

**FLYING:**

- 42 - The fly on 22" lines to calm air. Check for free-running condition. If you can't move elevator by hand on the line there is room for improvement. Check for correct control. Up action on control should be a crosswind. In preparation to back up to keep line taut at all times and keep model lower as it swings into the wind, restricting back on the downwind leg.
- 43 - For best flight, keep line taut at all times and show and calm or lower your line for correct elevator response. This will prevent over-controlling, but use more wire covered if to correct position. Use full power at all times. Set handle wire a turn each at take-off to allow for leaning into the air. Keep low to the ground, and forward for landing. Heavy landings with wing "Wilder".

**Controlines**  
**GRUMMAN F4F**  
**WILDCAT**

DESIGNED AND DRAWN BY: BOB MCGOWEN      LENGTH - 20"  
 FULL SIZE PLANS      KIT NO. 5-8  
 KIT ENGINEERED BY: BILL EISENBERG      20-1/2" WINGSPAN      3/4" x 1" SCALE

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