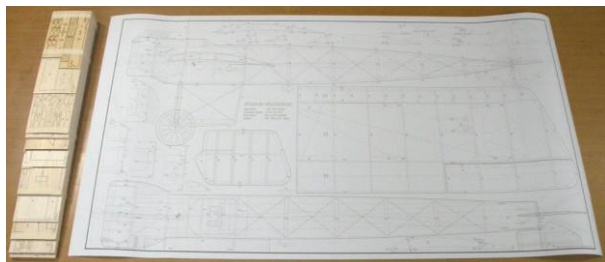


Fokker Eindecker INSTRUCTIONS

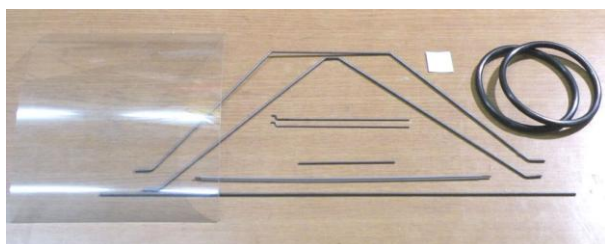
www.estarmodels.com

● KIT INCLUDES

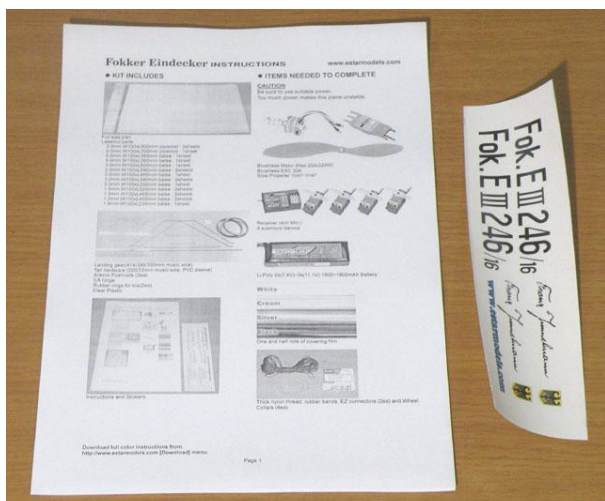


Full size plan.
Lasercut parts.

- 3.0mm W100xL600mm plywood : 3sheets
- 2.0mm W100xL300mm plywood : 1sheet
- 5.0mm W100xL565mm balsa : 1sheet
- 5.0mm W100xL365mm balsa : 1sheet
- 3.0mm W100xL600mm balsa : 1sheet
- 3.0mm W100xL590mm balsa : 2sheets
- 3.0mm W100xL465mm balsa : 1sheet
- 3.0mm W100xL340mm balsa : 2sheets
- 3.0mm W100xL330mm balsa : 1sheet
- 1.5mm W100xL525mm balsa : 2sheets
- 1.5mm W100xL465mm balsa : 2sheets
- 1.5mm W100xL405mm balsa : 2sheets
- 1.5mm W100xL230mm balsa : 1sheet



Landing gear (2.0mm Music wire 414, 395, 350mm)
Tail hardware (1.5mm Music wire 220, 72mm, PVC sleeve)
Aileron Pushrods (2ea)
CA hinge
Rubber rings for tire(2ea)
Clear Plastic



Instructions and Stickers.

● ITEMS NEEDED TO COMPLETE

CAUTION

Be sure to use suitable power.
Too much power makes this plane unstable.



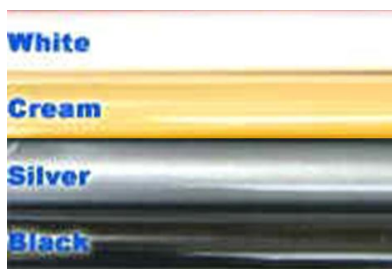
Brushless Motor (Max 20A/220W)
Brushless ESC 30A
Slow Propeller 1047~1147



Receiver (4ch Min.)
4 submicro Servos



Li-Poly 3s(11.1V) 1800mAh Battery



One and half rolls of covering film.



Thick nylon thread, rubber bands
EZ connectors (2ea) and Wheel Collars (4ea)

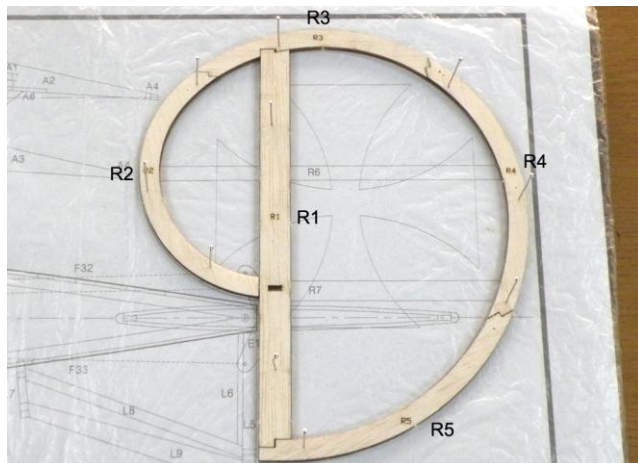
Download full color instructions from
<http://www.estarmodels.com> [Download] menu.

● PREPARATION

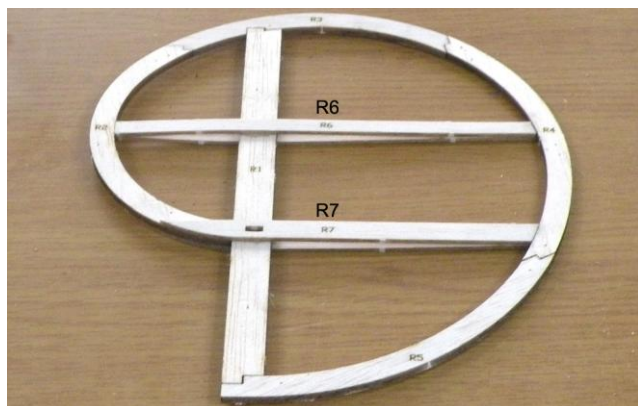


Remove parts from laser-cut panel and group as shown above.

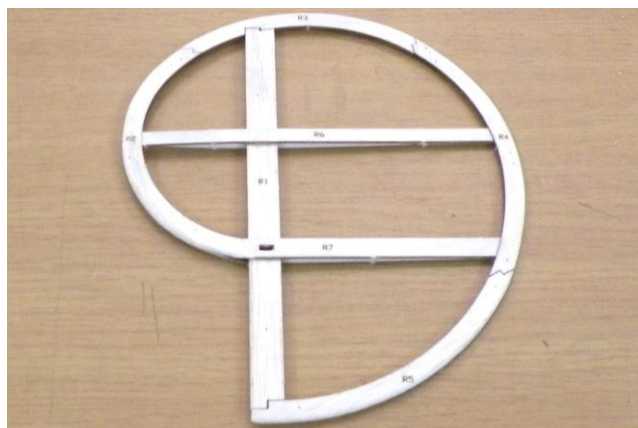
● VERTICAL TAIL



1. Lay waxed paper or PE film over the plan. Pin the vertical tail parts(R1-R5) on the plan and glue together with thick CA.

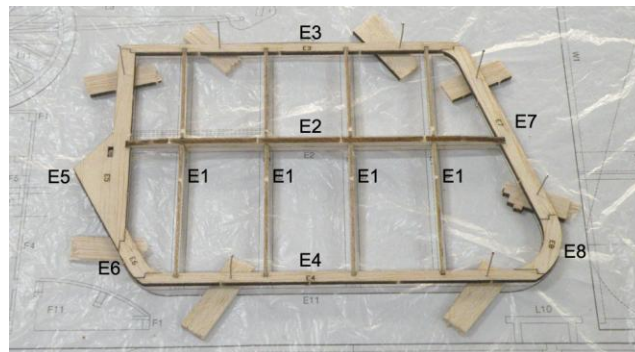


2. Remove vertical tail from the plan and glue the parts(R6-R7). Apply **thick CA glue** at each joints for reinforcing.

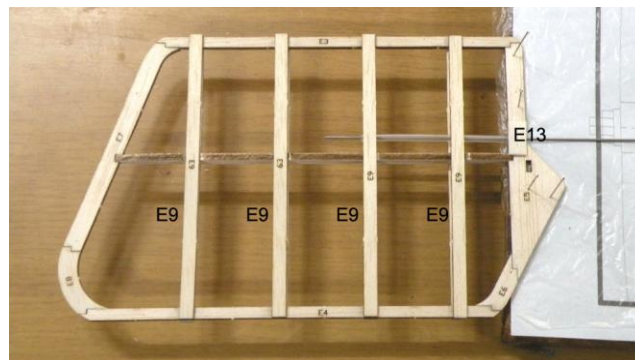


3. Carefully sand surfaces.

● HORIZONTAL TAIL



1. Lay waxed paper or PE film over the plan. Pin the horizontal tail parts(E1-E8) on the plan and glue together with thick CA. Use scrap balsa as a supports for the edge parts.

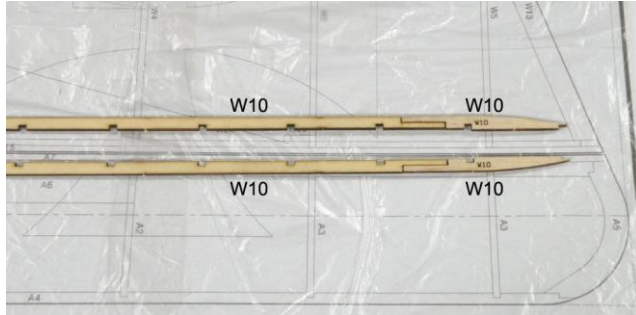


2. Remove horizontal tail from the plan and glue the capstrips(E9). Cut PVC sleeve(L=75mm) and insert to the hole of ribs and glue it.

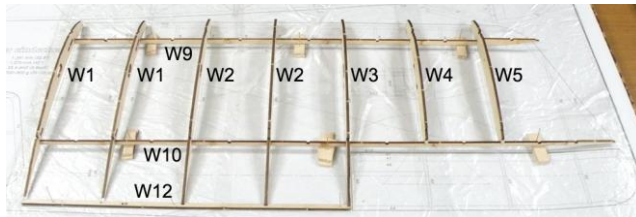


3. glue the leading and trailing edge (E10-E11). Apply **thick CA glue** at each joints for reinforcing and then carefully sand surfaces.

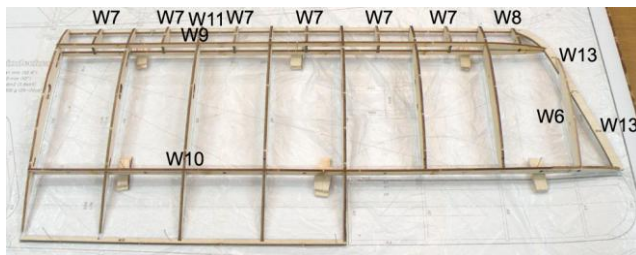
● RIGHT WING



1. Glue rear spars (W10) together with thick CA.



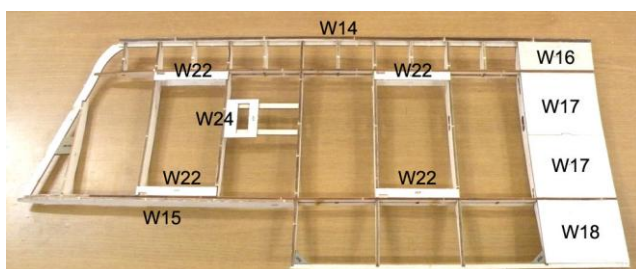
2. Lay waxed paper or PE film over the plan. Pin fore lower spar(W9), rear lower spar(W10), trailing edge(W12) on the plan. Use scrap balsa as a supports for the spars. Assemble wing ribs(W1-W5).



3. Assemble fore riblets(W7-W8), upper spars(W9-W10), wingtip(W13) and wingtip rib(W6). Glue together with thick CA.



4. Glue wingroot upper panels(W19-W21), small sheets(W22), servo trays(W23), gusset(W26) and wingtip support(W13A).

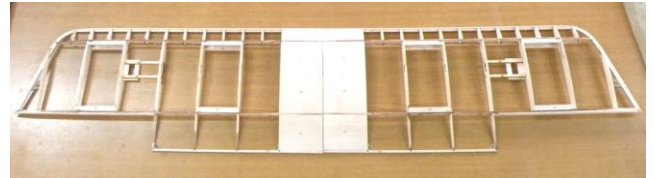


5. Glue wingroot lower panels (W16-W18), small sheets(W22), servo bay(W24), leading edge(W14) and wingtip trailing edge(W15). Apply **thick CA glue** at each joints for reinforcing.

● LEFT WING

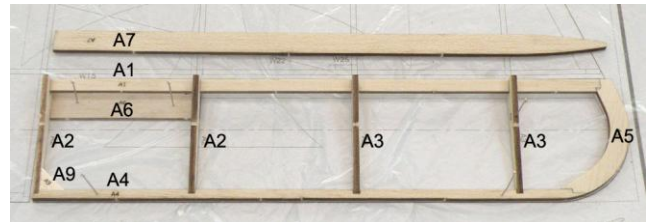


1. Assemble left wing as same way of right wing.



2. Carefully sand surfaces.

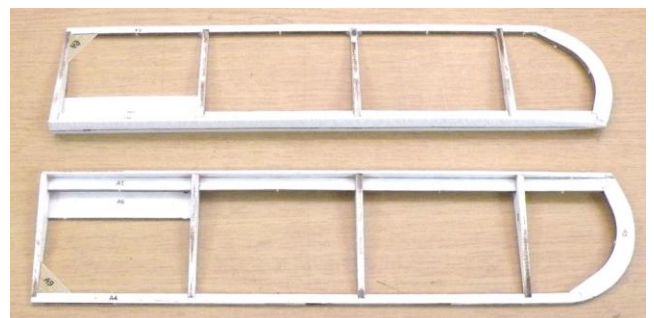
● AILERONS



1. Lay waxed paper or PE film over the plan. Pin trailing edge(A4)and small sheets(A6) on the plan and assemble aileron ribs(A2-A3), tip(A5), sub leading edge(A1), gusset(A9) and leading edge(A7).

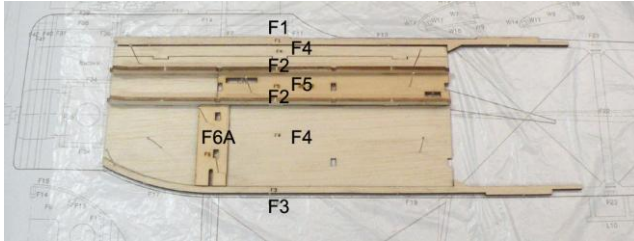


2. Apply **thick CA glue** at each joints for reinforcing and then carefully sand surfaces.

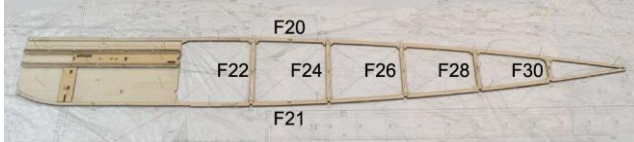


3. Assemble left aileron as same way of right aileron.

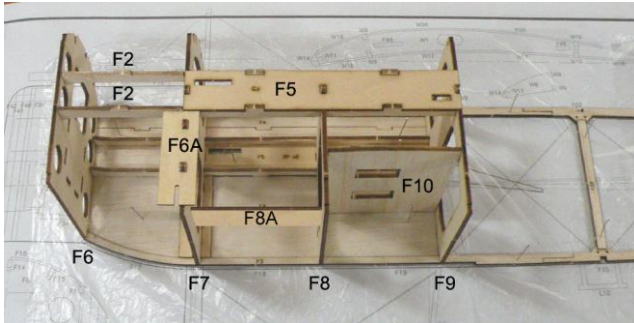
● FUSELAGE



1. Lay waxed paper or PE film over the plan. Pin the fuselage fore right side panel(F4), doublers(F5,F6A) and longerons(F1-F3) on the plan and glue together with thick CA.

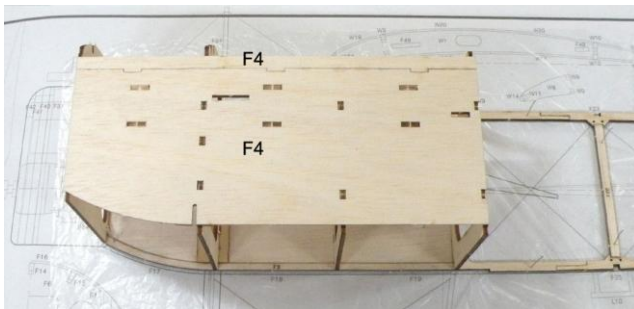


2. Pin the fuselage rear right side panel(F20-F21,F22, F24,F26,F28,F30) on the plan and glue together with thick CA.

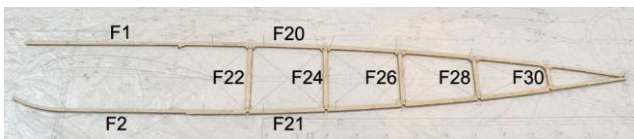


3. Assemble bulkheads(F6-F9) and longerons(F2), doublers(F5,F6A), battery tray(F8A) and servo tray(F10). Glue together with thick CA.

Attention Check your battery size before assemble bulkheads(F6-F8). If necessary, enlarge battery space.



4. Assemble fore right side panel(F4) and glue.



5. Pin the parts for fuselage rear left side panel(F1-F2,F20-F21,F22, F24,F26,F28,F30) on the plan and glue together with thick CA.



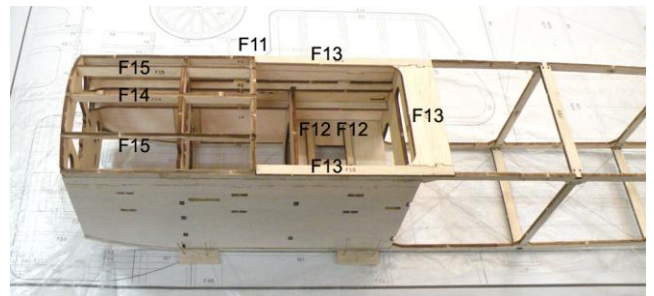
6. Glue fore and rear left side panel.



7. Glue horizontal spacers(F23,F25,F27,F29,F31,F31A) with thick CA.



8. Glue rear fuselage upper panel(F32).



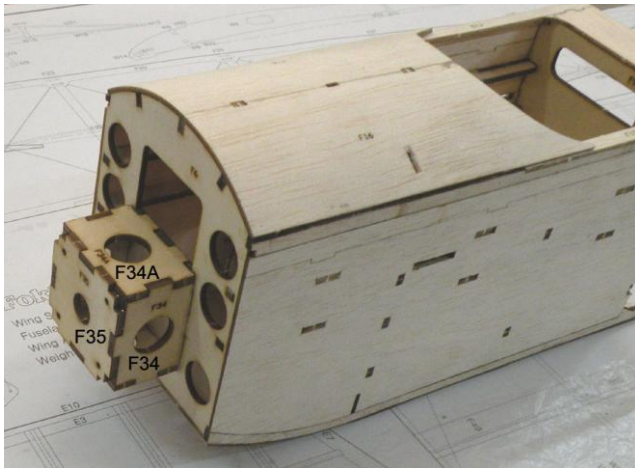
9. Assemble and glue stringers(F14-F15), instrument panel(F11), servo mounts(F12) and cockpit fairing(F13).



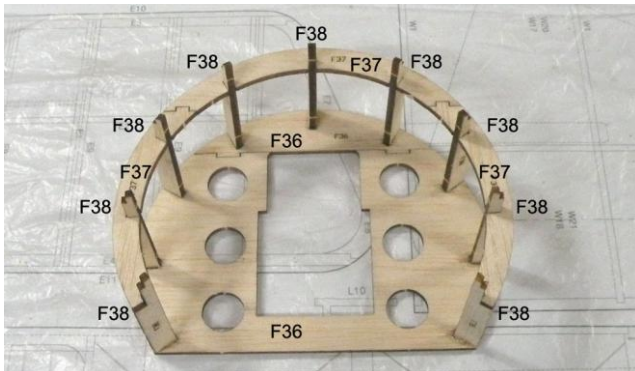
10. Glue fore fuselage upper panel(F16).



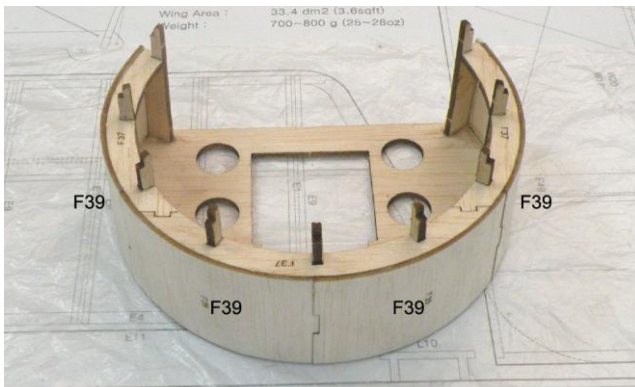
11. Glue fore fuselage lower panel(F17-F19) and rear fuselage lower panel(F33).



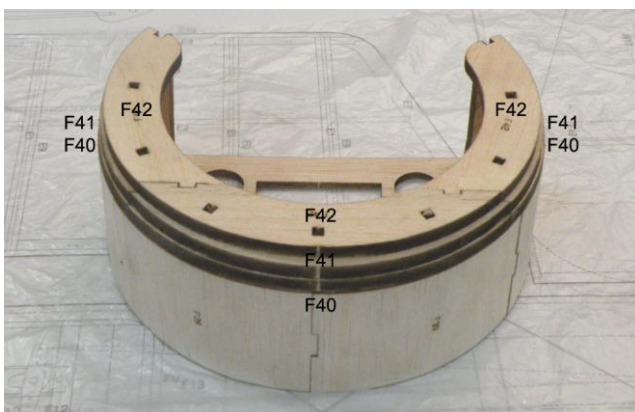
12. Assemble and glue motor mount(F34,F34A,F35).



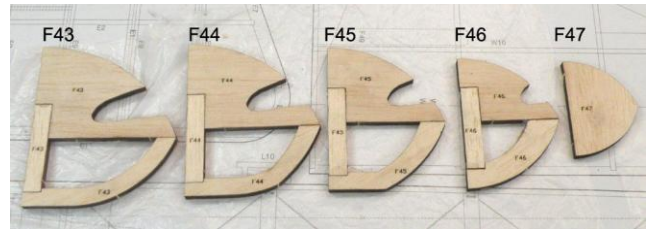
13. Assemble and glue fire wall(F36), cowling stiffeners(F38) and cowling ring(F37).



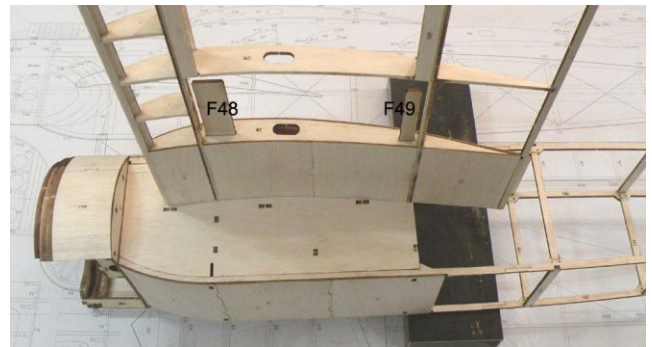
14. Glue cowl fairing(F39).



15. Glue fore cowl parts(F40-F42).



16. Assemble and glue rear cowl parts(F40-F42) as shown above.



17. Temporary insert wing jонers(F48-F49) and left wing.



18. Assemble and glue parts(F40-F42) as shown above.

Caution Do not glue it in this step. If necessary, glue it temporarily.



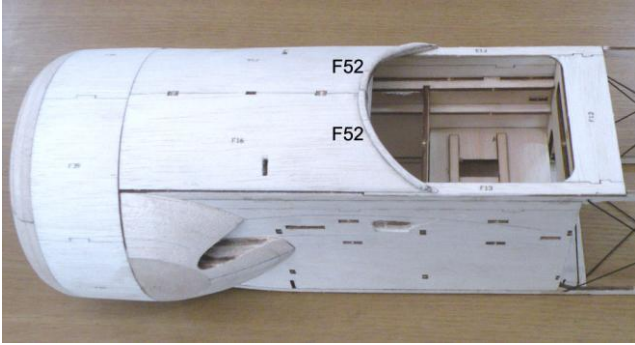
19. Assemble left side.



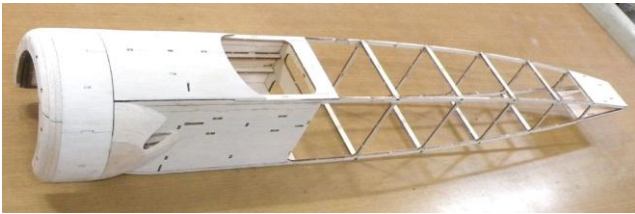
20. Carv and sand surfaces.



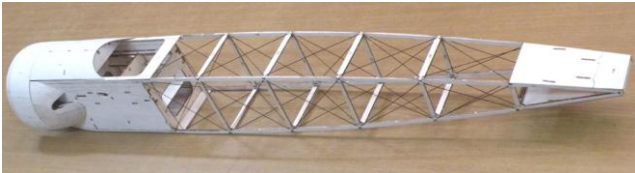
21. Glue cowl in place.



22. Glue cockpit coaming(F52).

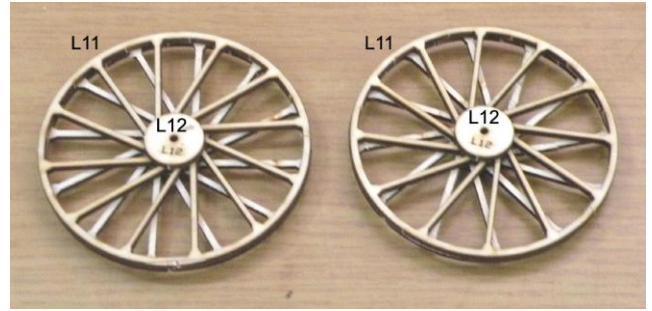


23. Carefully sand fuselage surfaces.

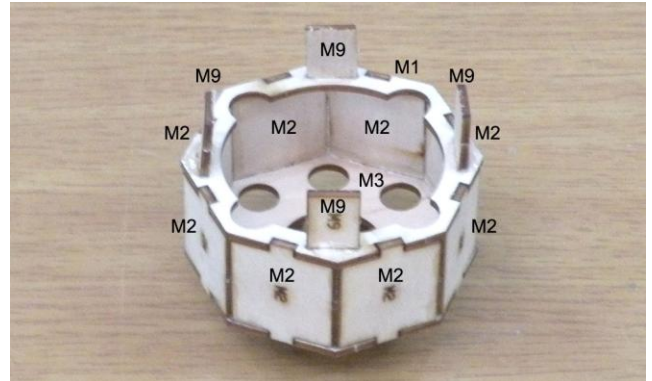


24. Thread fuselage diagonal wire bracing.

● WHEELS and DUMMY ENGINE



1. Glue wheels as shown(L11-L12)
Impregnate wheels with thin CA glue for reinforcing.



2. Assemble and glue crank case of dummy engine(M1-M3, M9).

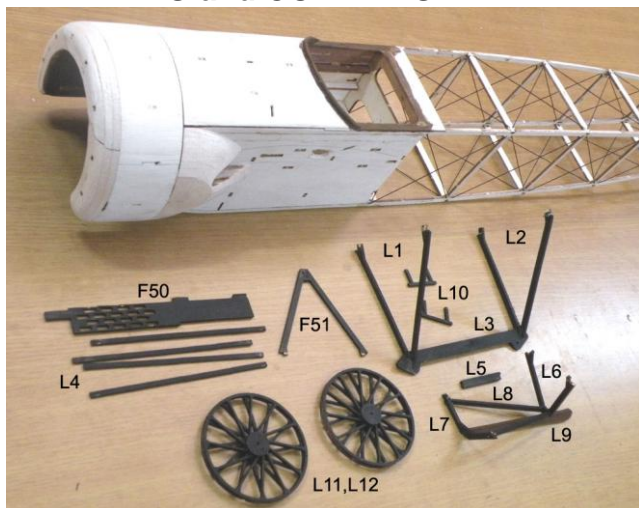


3. Roll up PVC film to the parts(M6) for dummy engine cylinders.
(Refer to dummy engine cylinder template on the drawing.)



4. Glue dummy engine cylinders to crank case.

● **PAINTING and COVERING**

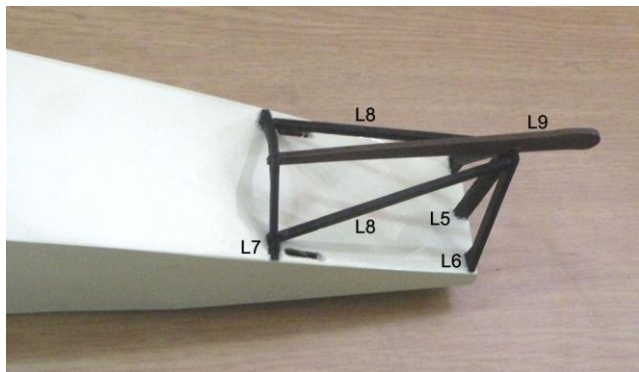


1. Paint cockpit coaming, cockpit inside, cowl inside, wheels, upper cabane strut, undercarriage struts, skid mounting struts, machine gun and dummy engine. Impregnate struts with thin CA glue for reinforcing.



2. Cover film as shown above.

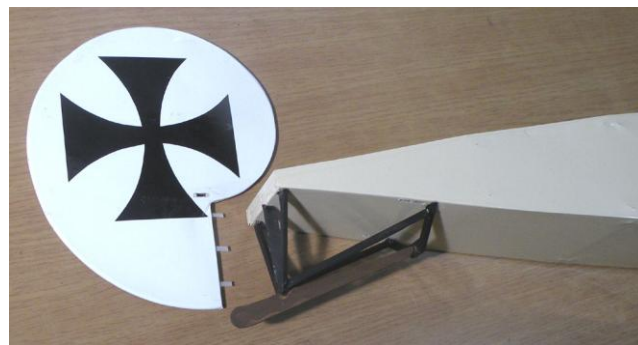
● **FINAL ASSEMBLY**



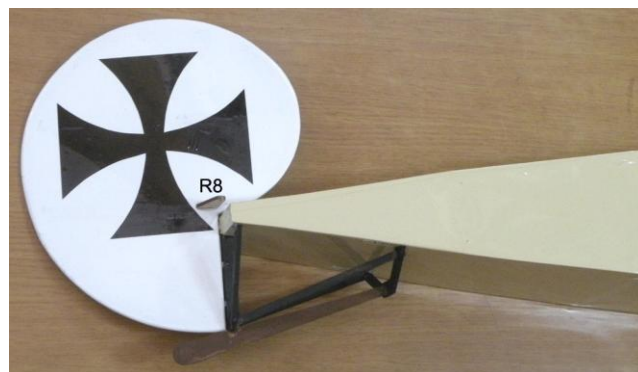
1. Glue skid mounting strut(L5-L8) and tail skid(L9).



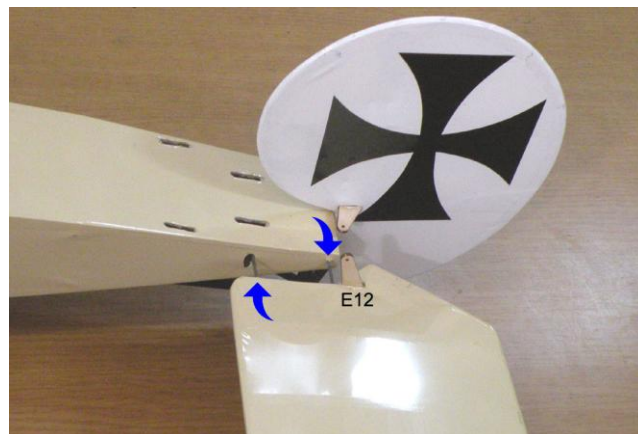
2. Cut CA hinges as shown above.



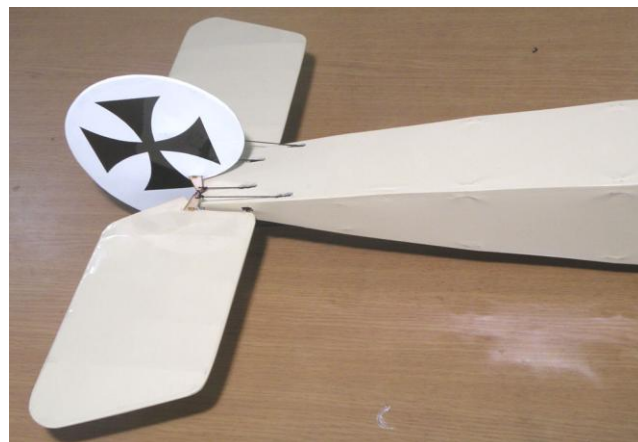
3. Make hinge slots and install hinges.



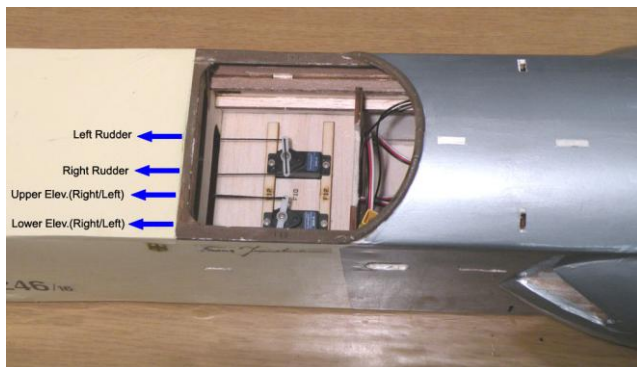
4. Glue plywood horns right & left(R8).



5. Insert and glue PVC sleeve to the fuselage(L=65mm). Insert and glue elevator joiners(1.5mm piano wire, L=220mm, L=72mm). Glue plywood horns right & left, upper & lower(E12).



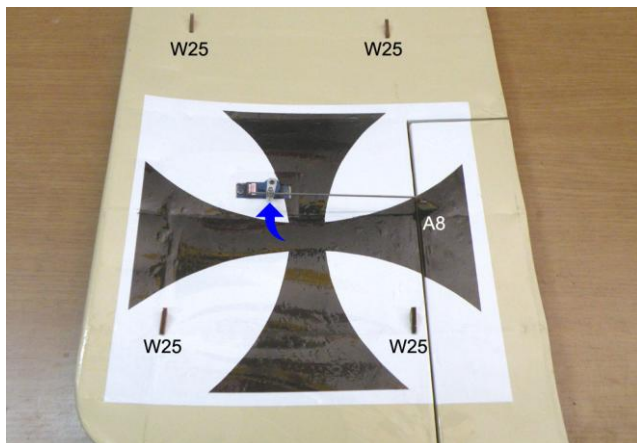
6. Connect control wires to the rudder and elevator horns.



7. Install rudder and elevator servos.



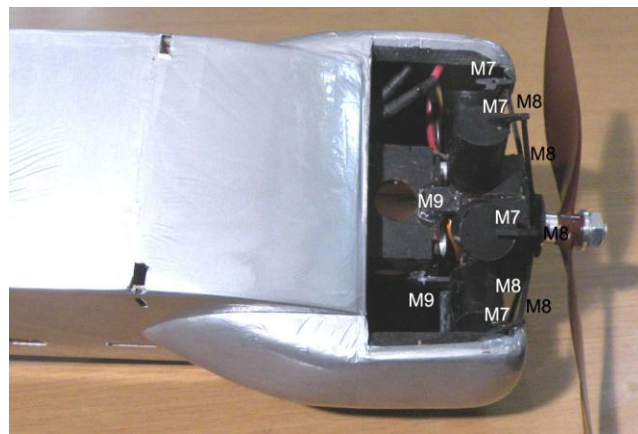
8. Glue the parts(W25), make aileron hinge slots and then install hinges.



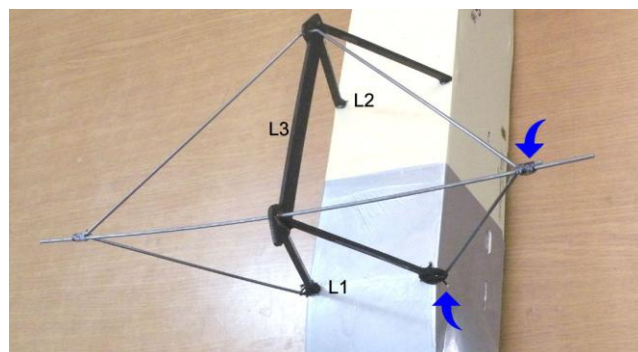
9. Glue the parts(W25), plywood horn(A8) and install aileron pushrod.



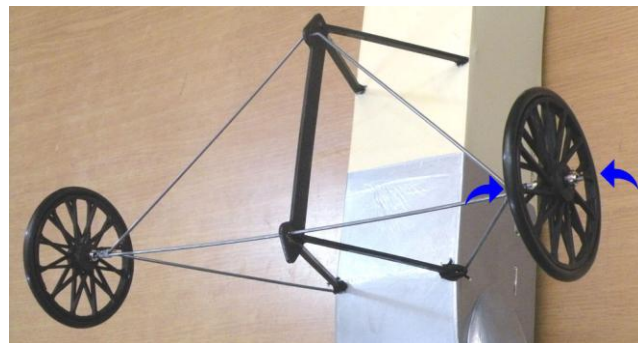
10. Install motor.



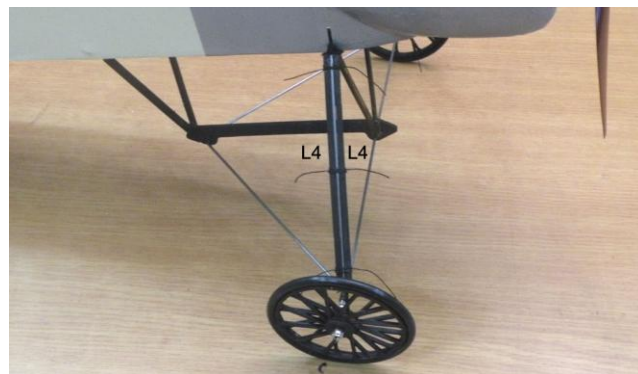
11. Glue dummy engine to the motor mount with M9 parts.



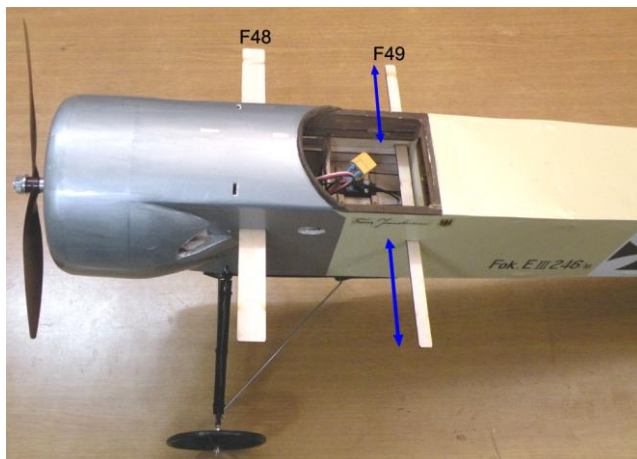
12. Glue undercarriage fore(L1), rear(L2), center strut(L3). Install main landing gear, main gear axle, gear strut and tie with thread and then apply with thin CA glue. Tie main landing gear and fore strut with elastic cord to function as a shock absorber.



13. Glue rubber rings to the wheel with thin CA. Install wheel and collars.



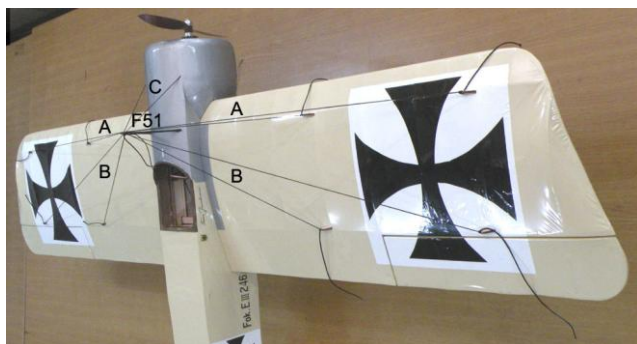
14. Glue plywood landing gear(L4) and tie with thread.



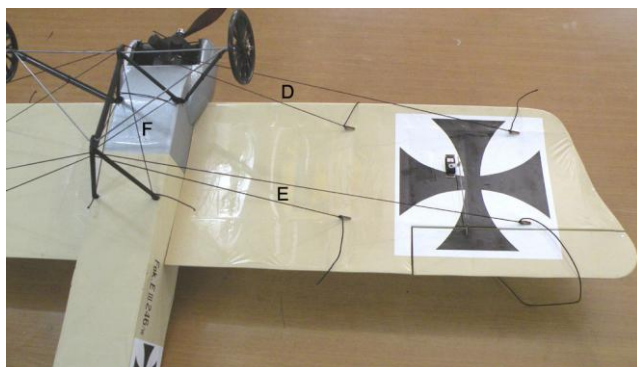
15. Insert and glue wing joiner(F48-F49). It must be same length with left and right.



16. Insert wing to the wing joiner.



17. Glue upper cabane strut(F51) and tie upper front spar bracing wires(A), rear spar bracing wires(B) and strut fore bracing wires(C).



18. Tie lower front spar bracing wires(D), rear spar bracing wires(E) and undercarriage strut bracing wires(F). Sight the trailing edge of both wings and check for warps. Adjust tension of bracing wires to straighten wings



19. Glue windshield, step(L10) and machine gun(F50). (Refer to windshield template on the drawing.)

● PRE-FLIGHT CHECK

CG.

Check CG. (CG location is shown on the drawing.)

Control Throws.

The following control throws are recommended starting points. After you are familiar with this plane, you may increase, or decrease.

- Ailerons : 16mm(5/8") up down.
- Elevator : 10mm(3/8") up and down.
- Rudder : 19mm(3/4") right and left.