

F-4U Corsair

Electric powered RC model kit

Wingspan: 850 mm
Length: 740 mm
Take off weight: 350-450 g

The kit of this model is mostly made of extruded polypropylene (EPP). This material ensures extreme robustness and durability. Thanks to its handling and manoeuvring abilities, it is capable of relaxing flight as well as of more complicated aerobatic manoeuvres, eventually air combat.

Thanks to the material used for construction, the model will withstand many accidents without any damage. Even if any occurs, the repair is usually possible immediately at the airfield.

Prefabrication of all parts ensures minimum time needed for assembly. This model is not designated as a beginner model, therefore there is not every operation depicted and described in this instruction manual. Construction and finalisation of the model must be adapted to the powerplant which is intended to be used as well as to your own habits and practices.

List of parts:

EPP fuselage	3 pcs
Transparent cabin	1 piece
EPP wing parts	5 pcs
EPP control surfaces	2 pcs
Elevator joint	1 piece
Plywood parts	1 piece
Control cranks	3 pcs
Control rods	1 + 2 pcs
Plastic screw + female screw	1 + 1 piece
Instruction manual CD	1 piece

Other instruments and tools needed:

Cyanoacrylate glue with activator, polyurethane glue (Purex), epoxy glue, sharp knife

Recommended propulsion:

Engine	gear	regulator	propeller
Mega Acn 16/15/6-8	-	TMM 1210-3	APC 9x6
MPJ AC 25/25-26 Mk.2	MPJ 5:1	TMM 1210-3	APC 9x6
Mega RC 400/15/6	-	TMM 1210-3	APC 9x6
AXI 2208/26	-	TMM 1210-3	APC 9x6
Speed 300	MPJ 5:1	TMM 0810	APC 9x6

Accumulator: 2s (3s) Li-pol 1200 mAh

Model assembly:

We will start by cutting servo hats in the outer wing sections. Make these compartments a bit tighter, so that the servo would go fast in. In the inner parts, make shallow cuts for servo cables.

Start the wing assembly by cutting slots for plywood wing joints. Cut the same slot into both inner parts. Insert the joint and glue the center and inner sections together.

Cut slots for carbon reinforcement into outer and inner wing sections. Use a sharp knife, cutting vertically to the wing surface. Insert the carbon-fiber stripe into the slot and glue it by sparse cyanoacrylate glue. Let the stripe overtop approximately 10mm over the wing edge. Glue the wing sections together now. Use polyurethane glue (inside) and cyanoacrylate glue (periphery zone). Cut slots into ailerons and glue the control cranks into them. Use cyanoacrylate glue. Use the iron wire for aileron pushrods.

Make the cut for a bowden in the rear part of the fuselage. Glue the elevator bowden into it. Glue together the cross cutted lower part of fuselage. Do not glue the rear lower part yet, it will be glued later on, after settling and glueing the wing.

If necessary, cut a removable cover in the front upper part of the fuselage. Lock it by plastic screw with female. Carefully glue rear and center fuselage parts together. Use cyanoacrylate in combination with polyurethane glue.

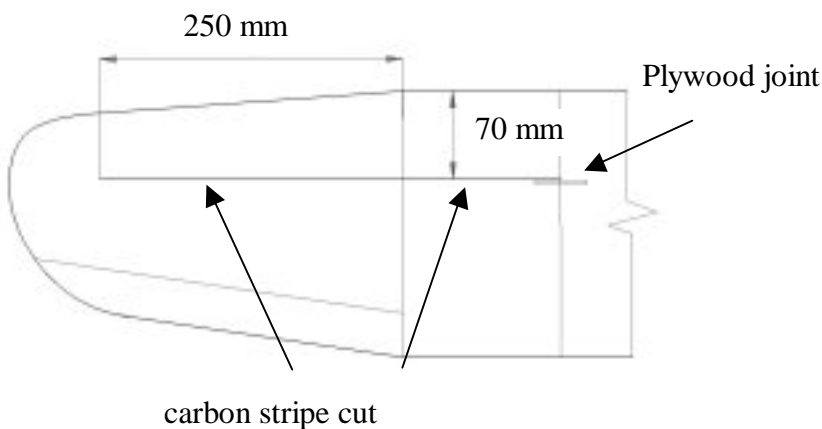
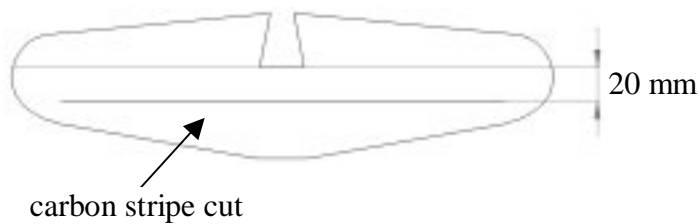
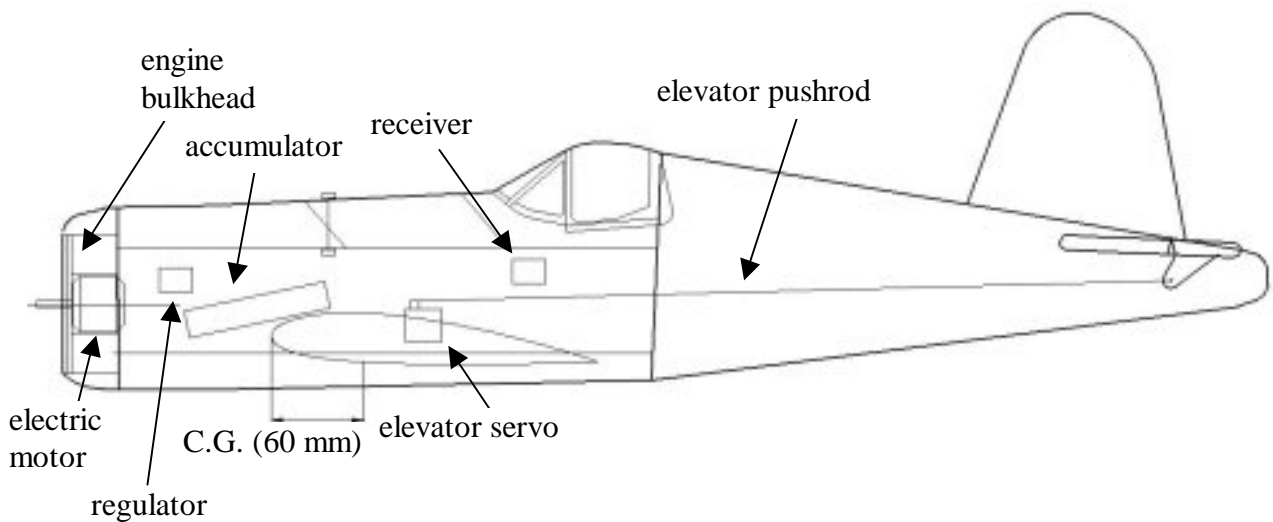
Adapt the engine mounting according to the used engine. Glue it to the front part of the fuselage using epoxy glue. Do not forget to make some bleeder holes for engine, batteries and regulator cooling. Glue this unit to the center part of the fuselage.

Now, glue the completed wing to the slot in the fuselage. Work carefully, using polyurethane glue.

In the center part of horizontal stabilizer, cut a slot for carbon stripe. Glue it by cyanoacrylate glue in here. Now, make up the elevator joint, using iron wire. Glue it in. Now, glue the Horizontal and vertical stabilizers to the fuselage. Be careful about their perpendicularity. Glue the control cranks into cuts. Now, glue the cabin edging. Glue cabin itself to the fuselage using contact glue.

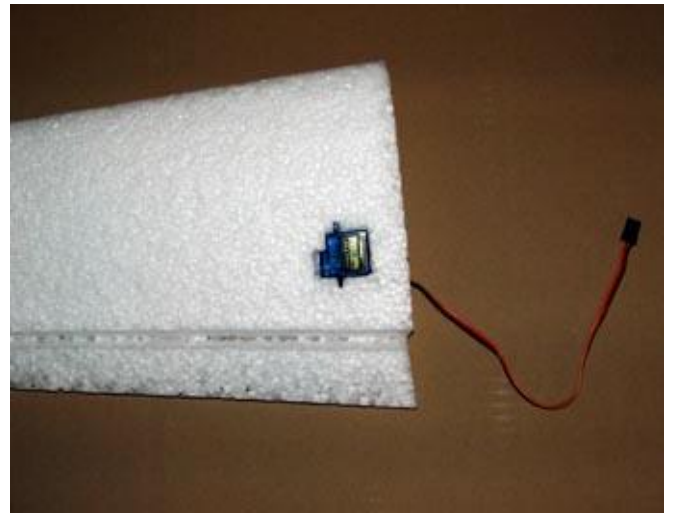
For surface finishing, use water-based polyurethane paint. Put it on, using small foam roller, brush or air-brush. You can also create scriptures and markings by paper templates, nailed to the model surface. Put the color on using brush with vertically cutted hair. The paint must be dense.

This instruction manual serves only as a guide during your model assembly. Every builder can adopt the building process to his own abilities and skills.





1) Cut the servo compartment



2) Insert the aileron servo



3) Make cut for wing plywood joint



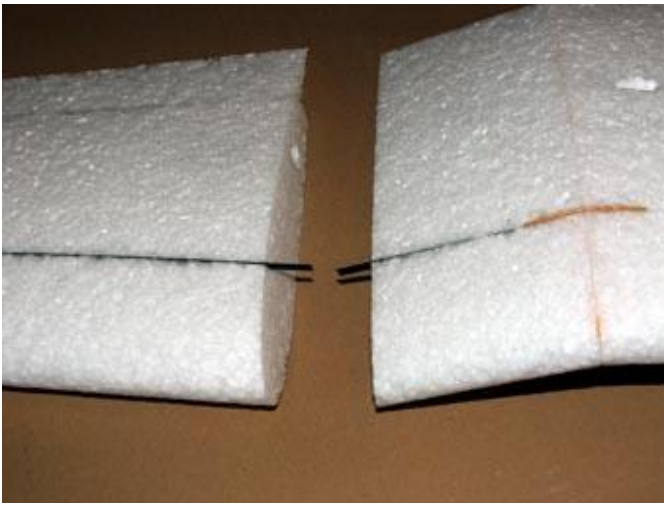
4) Glue the plywood wing joints to the center part



5) Glue center and inner wing sections together



6) Make a cut for carbon stripe using sharp knife



7) Insert and glue carbon stripe



8) Glue the wing sections together



9) Cut the removeable cover, lower fuselage part



10) Glue the cross-cutted lower fuselage part



11) Make the cut for bowden, rear fuselage part



12) Glue both fuselage sections together



13) Glue parts of engine cowling



14) Drill engine mounting holes and glue the engine bulkhead



15) Try the engine placing before glueing



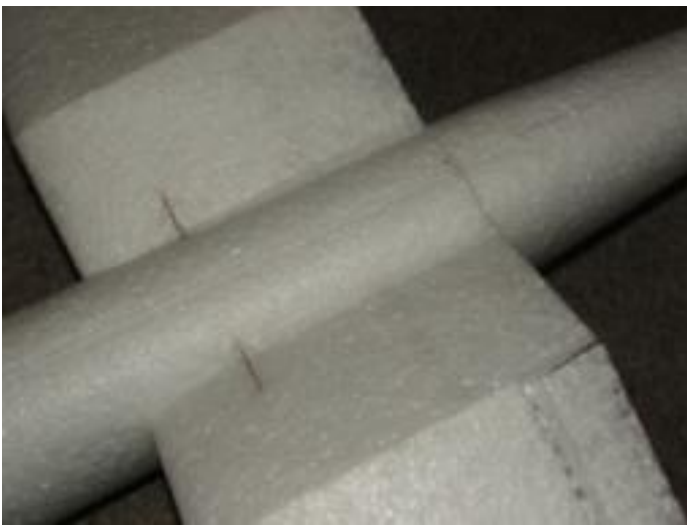
16) Glue whole unit to the front fuselage section



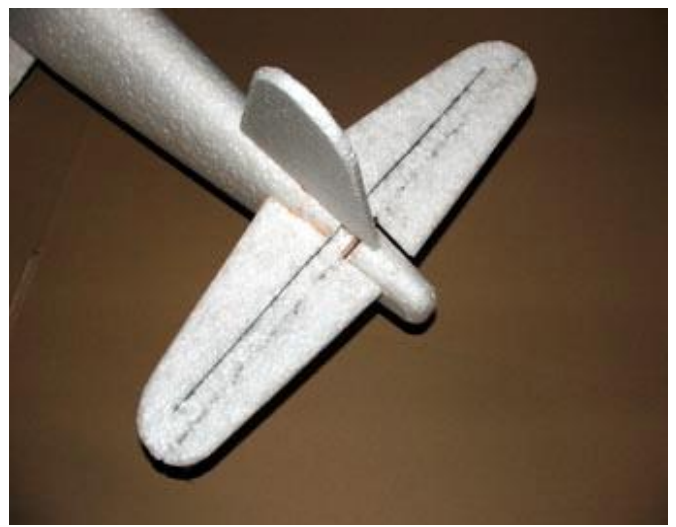
17) Make a cut and glue the carbon stripe



18) Join the elevator using U-shaped iron wire. Glue the control crank into the cut



19) Plug the wing into the fuselage



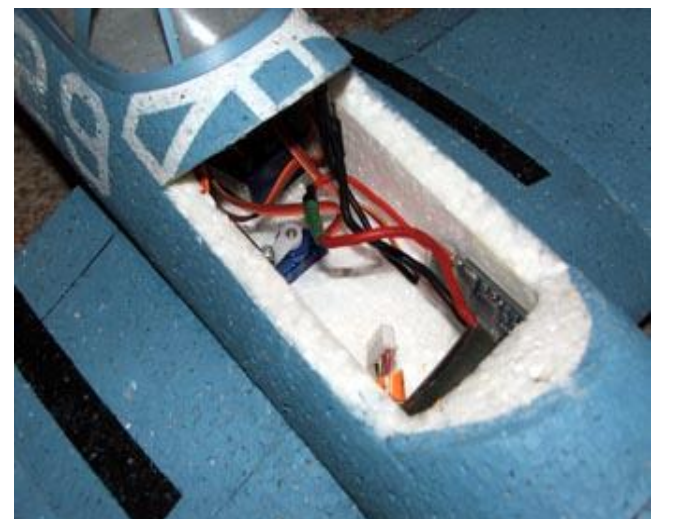
20) Glue the empennage



21) Push rods made up from iron wire



22) After the paint, glue the cabin



23) Place the RC equipment as necessary to get the C.G. position. Place the accumulator as far in the front as possible

Detachable wing variation



Cut the lower fuselage part



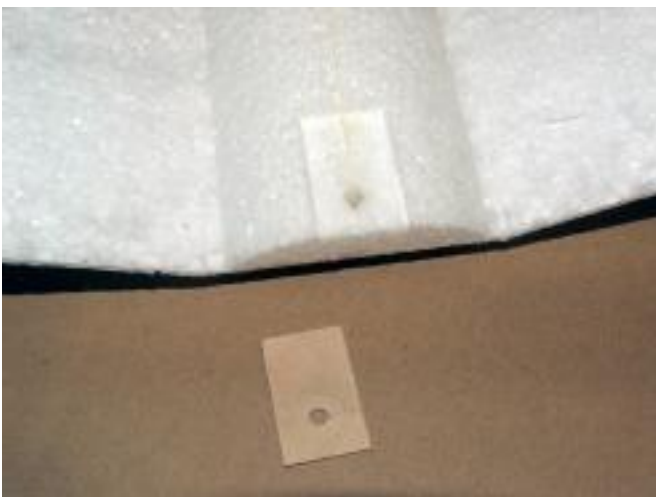
Glue the cutted part to the lower wing surface



Glue the front plywood part



Glue the rear plywood part for plastic female screw placement



Make a shallow cut in the rear part and glue the plywood reinforcement



Drill a hole and glue the stick



Finally, check the centre of gravity position. In case of using the heavier power unit, put necessary balance in the rear part. For beginning, set the control surfaces angle to app. 30°. Choose calm wind weather for first flights. **Always fly in safe manner, so that no one including yourself could not get hurt or endangered!!**

Many happy moments with your new model!

Libor Mašík
Kobeřice
Czech Republic
www.lm-model.cz