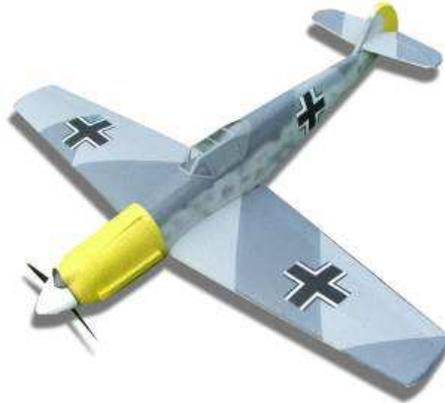


Bf-109E

Modular radio controlled aircraft model



Wingspan:	1100 mm
Length:	960 mm
Flight Weight:	700-900 g

Model of known German fighter of World War II. It is one of the first version that appeared on the battlefields in the beginning of the war and is known mainly from 'Battle of Britain'

Modular model aircraft is largely made of extruded polypropylene EPP. This material model provides considerable resilience and durability. Model due to its characteristics allows a pleasant flying and demanding aerobatics or aerial combat.

Model due to the material used, many will survive the crash without injury and, if damage is directly on the flight patch area.

The model is largely prefinished and its completion will take little time. The model is not intended beginners, because it is not in the instructions described in detail each operation. Construction and completion of the model must adapt to the selected drive and practice builder.

List of construction work:

The hull of the EPP	5 pcs
Enclosure (transparent)	1 pc
Half of the EPP wings	2 pcs
Helm of the EPP	2 +2 pc
Clutch elevator balsa	4x 10 mm
Plywood parts	5 pcs
The control lever	3 pcs
Ties kormidel	1 + 2 pc
Plastic screw+ nut	1 + 1 pc

Other necessary tools to build:

The second adhesive, activator of the second adhesives, polyurethane adhesive (Purex), epoxy, sharp knife

Suggested drive:

the series motor AXI 2808/24 or equivalent, controller 40A

Battery: 3S Li-pol 2200 mAh

Propeller: 9 / 5 - 10 / 5 "

Construction of the model:

Before the actual construction carefully study of the building instructions and prepare instruments for building. Construction guidance is only a guide to building your own. The construction modifying presumption equipment and mainly of own construction capabilities.

brushless motor
AXI 2814/16

controller

elevator servo

battery

receiver

rod elevator

motor
bulkhead 1

2

C.G. 66 mm

4

servo wings

3

Underside of the wings

2 x pin Ø 4 mm

60 mm

3

80 mm

Top of the wing

carbon tape

66 mm

plywood

2

4

3

1a

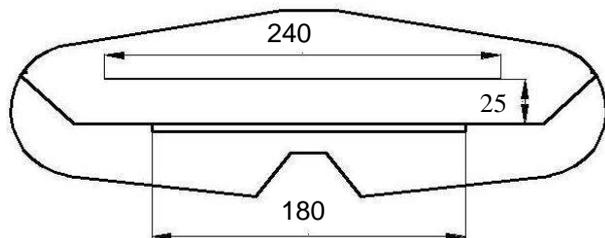
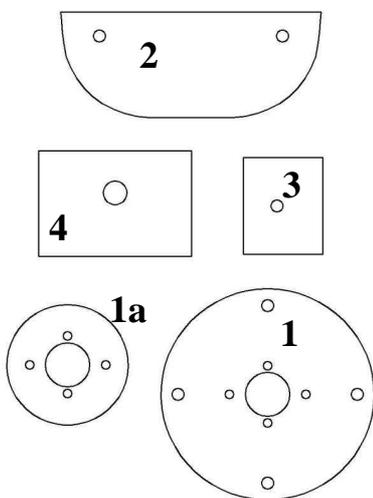
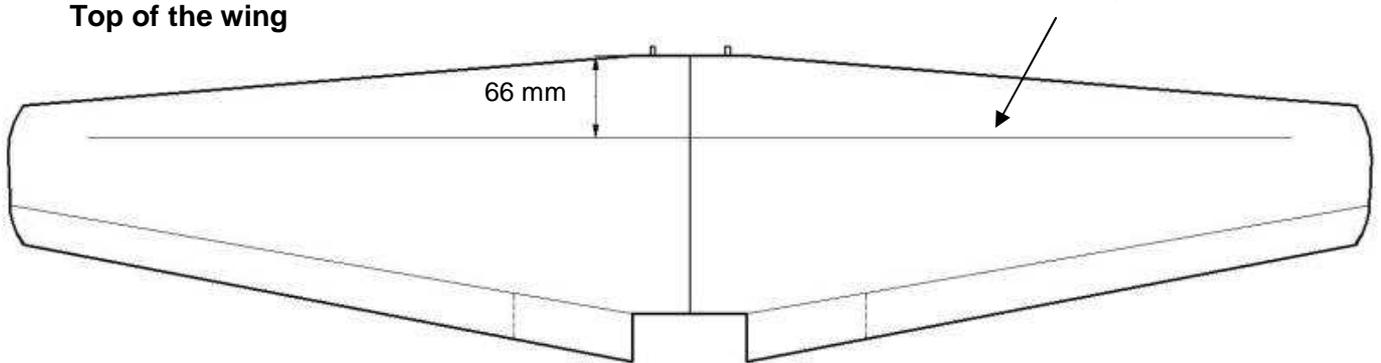
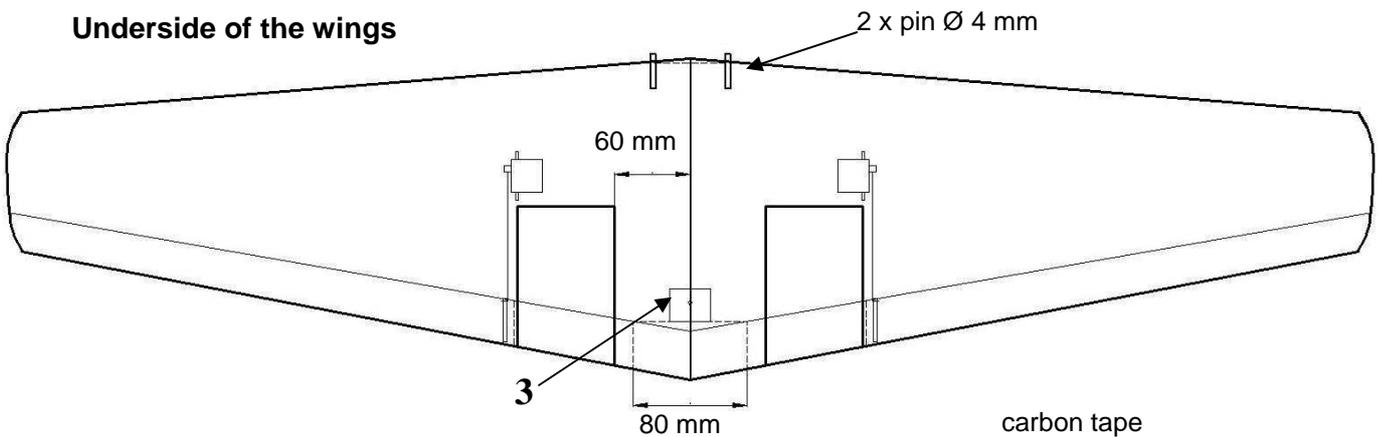
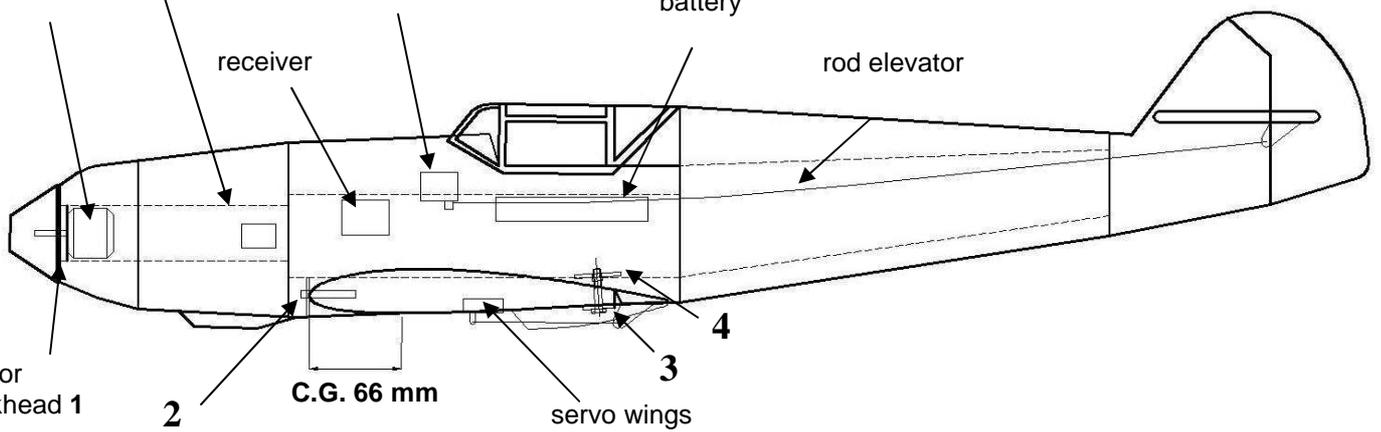
1

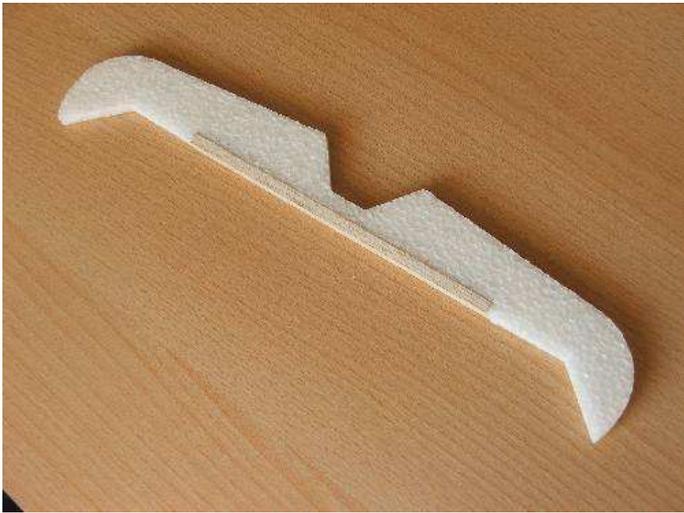
Elevator

240

25

180





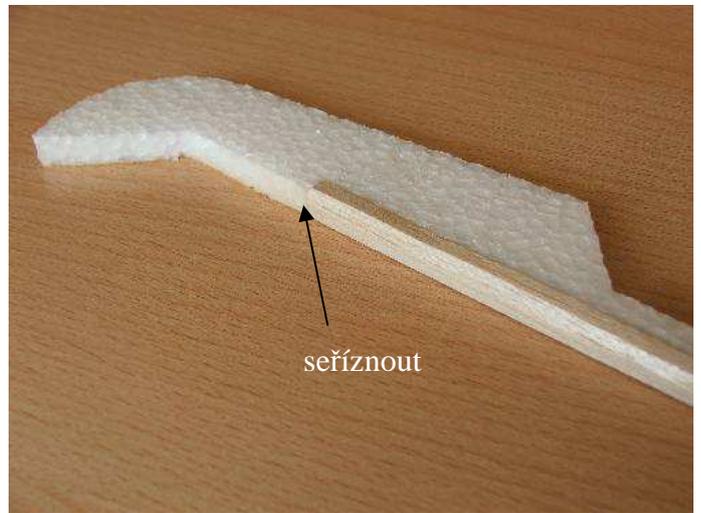
On the floating part of the elevator stick reinforcements from balsa 8x4 mm



Fixed part of elevator cut across and add carbon tape 8x 0,3 mm.



The reinforcements of carbon paste by second glue



Slice off the leading edge in the "V"



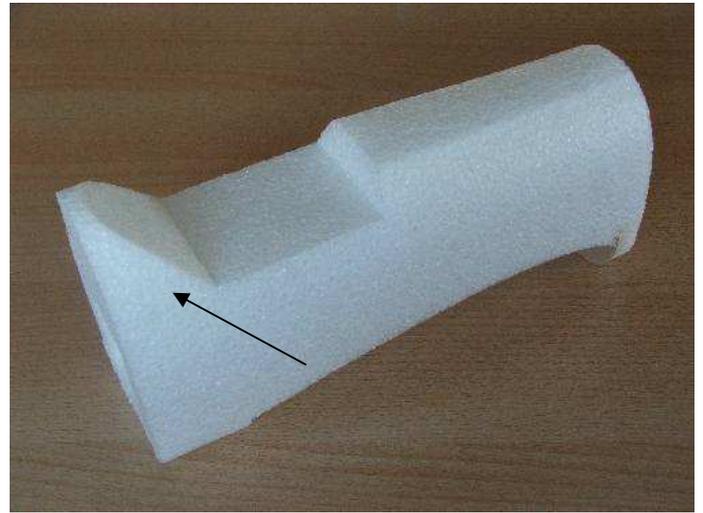
Fixed part of elevator stick in the last part of the hull. Stick fixed part of the direction.



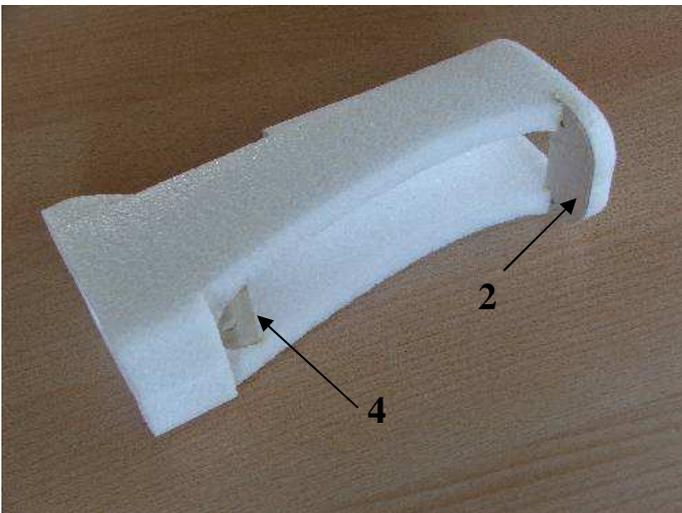
Stick reinforcements from balzy triangular cross section.



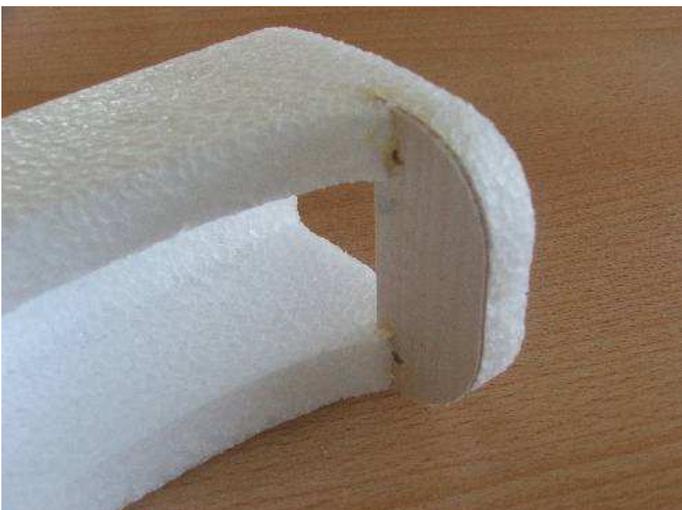
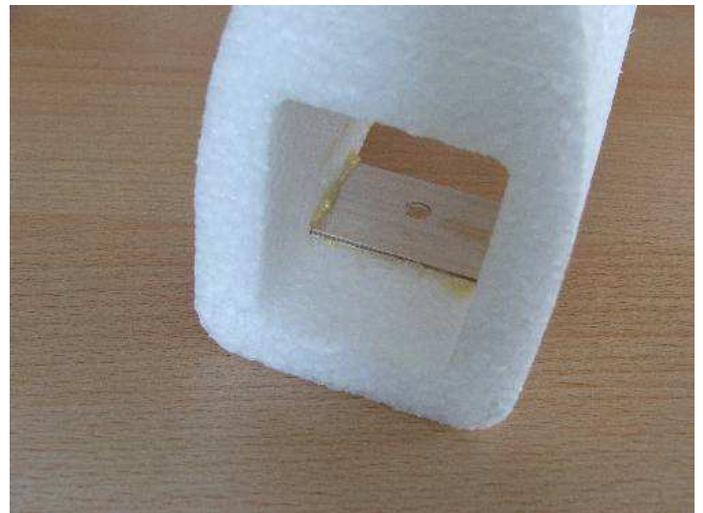
Cut off the bottom of the middle part of fuselage.



Attach the Real part of the cab.



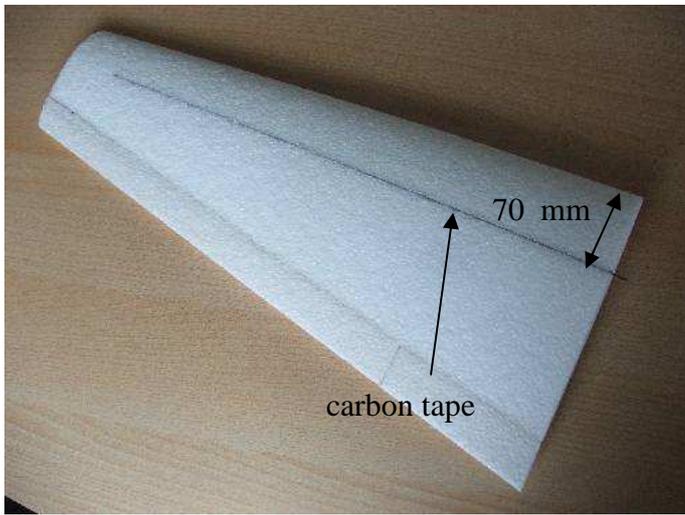
Stick plywood front and rear portion for mounting wings.



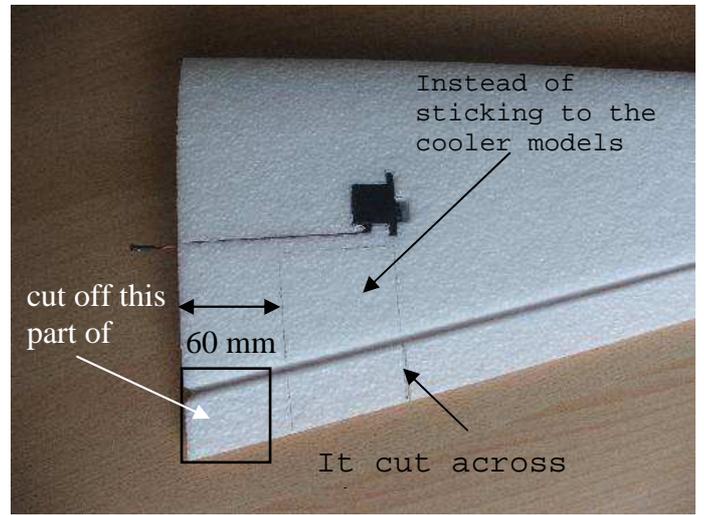
For sealing the front portion of plywood make slit in the hull.



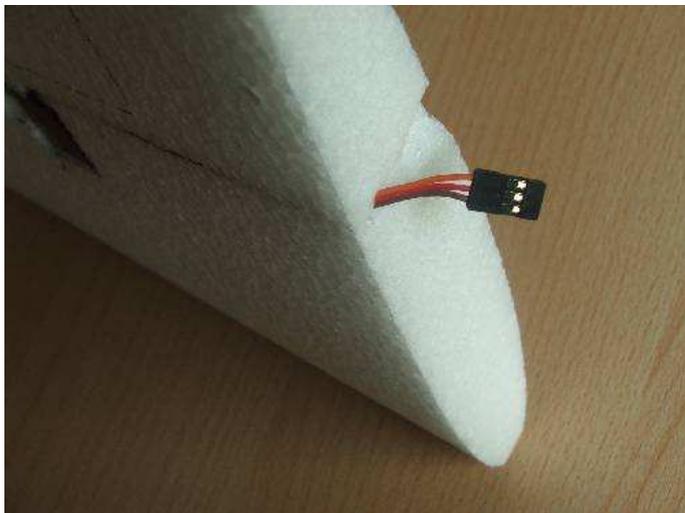
A sharp knife cut a groove to insert a carbon tape. Belt have to exceed in the middle of the wings about 10 mm.



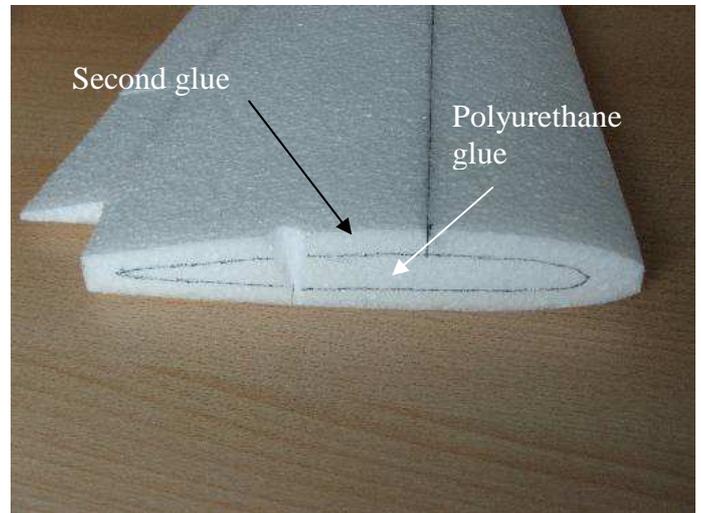
Carbon tape seal sparse sekond glue.



Cut and hollow out a hole for the servo. Cabelt servo add to notch in the wing. Cut wings in the spot labeled.



In the root of airfoil make cut for servo connector.



Both halves of the wings glue together. Center profile pste by polyurethane glue stick, circuit pste by sekond glue.



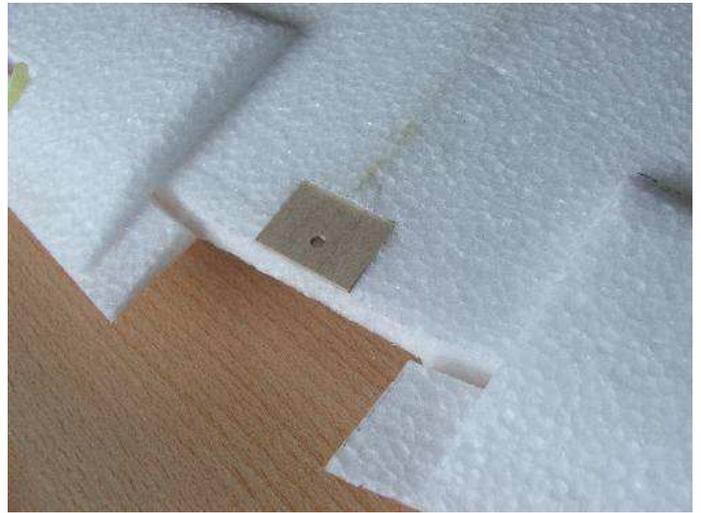
The wing deployed to the middle part of the hull and indicate holes for the pins of wings.



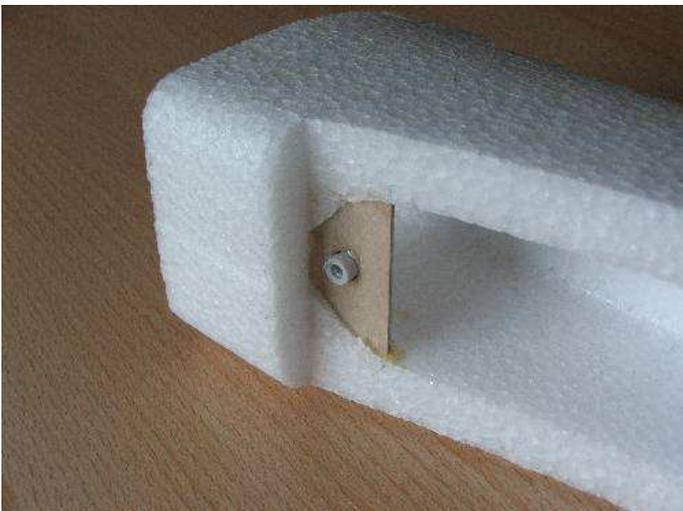
Glue up two wooden pegs. At the middle bottom of the wings stick cutting of part of the hull.



Stick models coolers



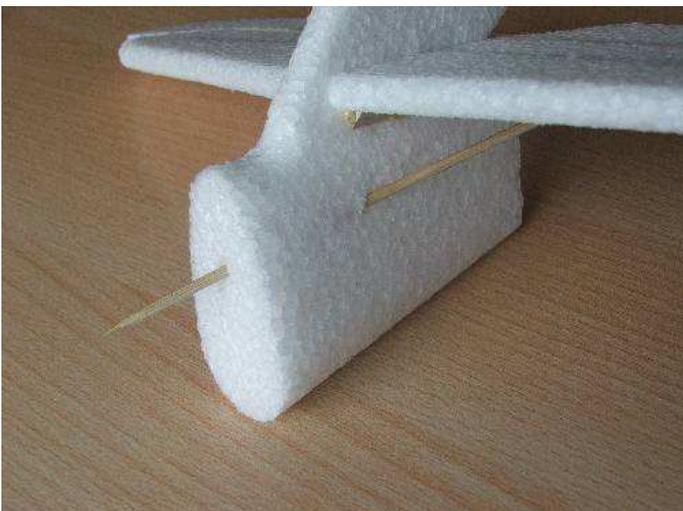
Cut down center of the wings and stick plate for mounting bolt.



In the prepared hole paste and stick up plastic nut.



Cut out notches for the hinges. Cut out notch for the kontrol lever and the lever stick up.



Bore a hole for the pull of elevator.



Glue the rear of the fuselage.



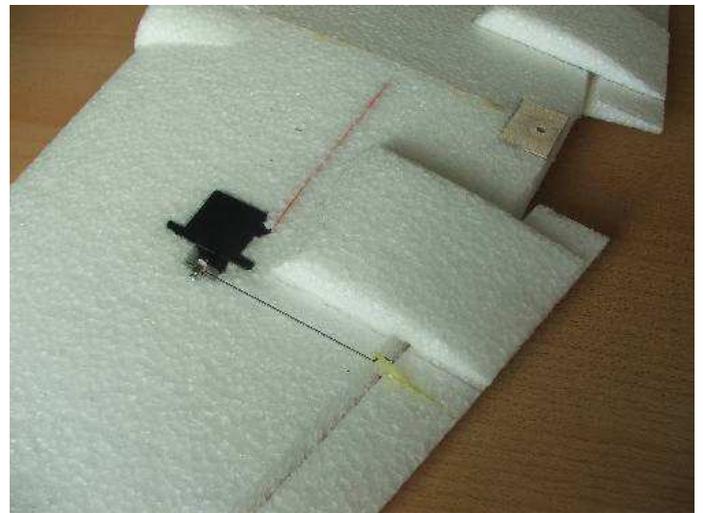
Compile and stick together a motor wicket.



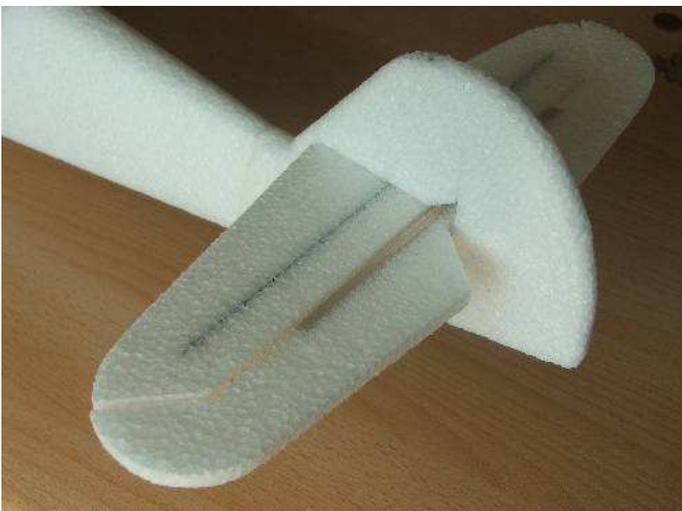
Before stick a motor wicket cut groove for the engine cables.



On the front of hull stick on a motor wicket.



Cut out a notch and stick up control lever of wings. Rod made of steel wire 0,8 mm.



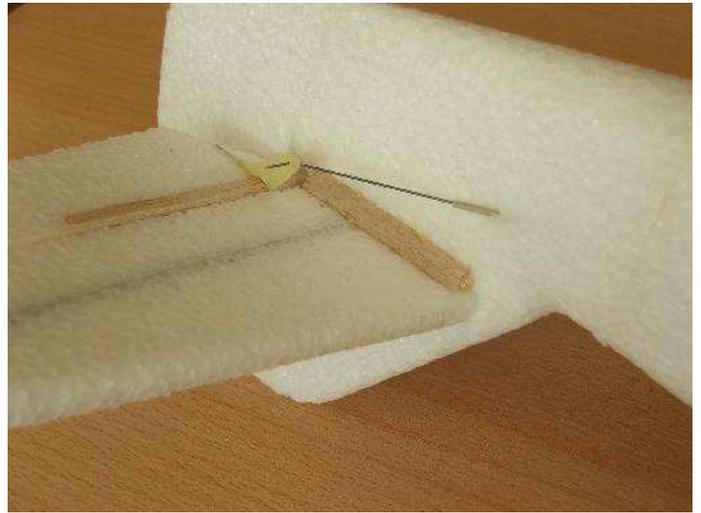
Set together rudder, stick elevator hinges. Stick direction.



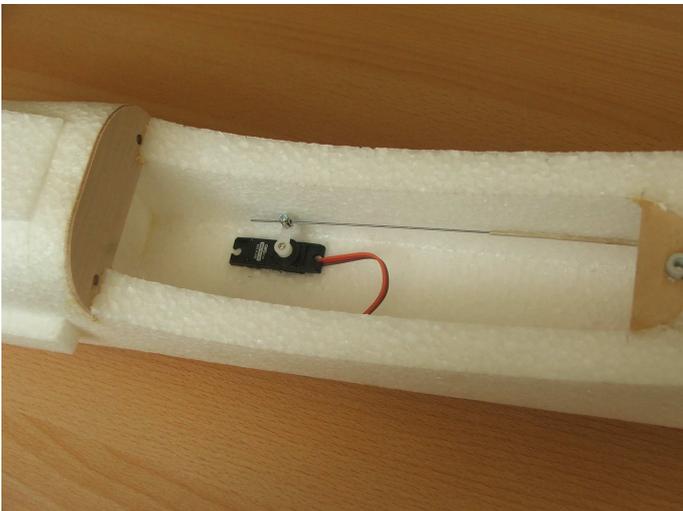
Stick the front part of the hull.



On the front part of the fuselage stick models of exhaust pipes and heatsinks.



In the pre-prepared hole install the rod elevator.



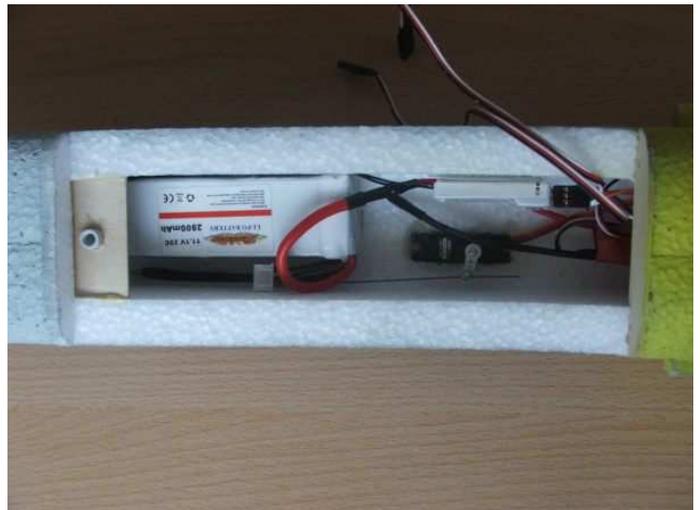
On the front part of the fuselage stick models of exhaust pipes and heatsinks



Trim cab and stick surround.



After painted of model cab stick to the hull.



Equipment of the model dislocated so that it became the center of gravity according references.



Model colorful by adulterate color acrylic paints. Color lay on by roller or brush.
Paintbrush apply rougher bristles to get the color to the pores.
Alternatively, you can lay on the color by spray gun.

Before the first flight, check the position of center of gravity, which modify by accumulators.

Scale kormidel set to start at about 20-30 ° in the wings and the elevator at 15-25 °

For the first flights we choose windless weather.

The model will start at full engine, sling slightly upwards. For the first flights, it is appropriate to ask the attendant hour model.

Always fly in such a way as to not endanger their operations themselves or their surroundings.

Manufacturer wishes many happy moments when flying.

Libor Mašík

Kobeřice

Czech Republic

www.lm-model.cz