

Zlin 137T

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Introduction

Thank you very much for choosing the GB-Models Zlin 137T we wish you many happy flights with it.
This is a short building instruction which is going to help you to construct this plane easily.

Specifications:

Wingspan: ……..2,7m
Weight:……11,5 kg

Required equipment:

- 10 Channel Radio System - for example Jeti DC 16 and Central Box 200
- 1x Hitec HS-7954SH (elevator)
- 7x Hitec HS 5496MH
- 1x Hitec HS 5585MH (towing clutch)
- Axi 5360/18
- Jeti Mezon 135 opto
- Fiala 28x12
- 12S 5000mAh

Additional required items, tools and adhesives

- Drill and Drill Bits
- Sharp Hobby Knife
- Masking Tape
- Paper Towels
- Rubbing Alcohol
- Sand Paper
- Soldering Iron
- Synthetic Oil
- Shrink Tube
- Servo Extensions
- Medium and Thin CA
- PU Glue

Warning:

This RC aircraft is not a toy!
If misused, it can cause serious injuries.
Only fly in open areas, preferably on an official flying site. Follow all the instructions, including those of your radio and motor.

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This plane is designed as a towing airplane or for scale flying only. It is not a racer.
It is built with a very light structure and for this reason we recommend:

Do NOT fly your Zlin 137T at very high speed! This may cause structural failures or flutter due to the extremely large control surfaces.

Before starting assembly

Remove each part from its bag and protection for prior inspection. Closely inspect all parts and searching for possible damages. If you find any damages or if there are any missing parts, contact the place of purchase.
If you find any wrinkles in the covering, use a feat gun or covering iron to remove them. Use caution while working around areas where the to covering material overlap to prevent separating in covers.

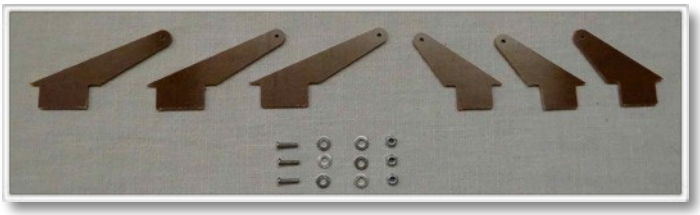
Warranty information

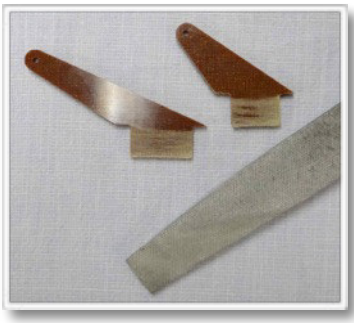
GB-Models guarantees this kit to be free from defects in both material and workmanship at the date of purchase.
This warranty does not cover any parts damaged by use or modification and in no case shall GB-Models liability exceed the original cost of the purchased kit. Further, GB-Models reserves the right to change or modify this warranty without notice. GB-Models can not control what material is used and if the plane is built in a proper way. By the act of using this product, the user accepts all resulting liability.
If the buyer is not prepared to accept the liability associated with the use of this product, the buyer is advised to return this kit immediately in new and unused condition to the place of purchase.

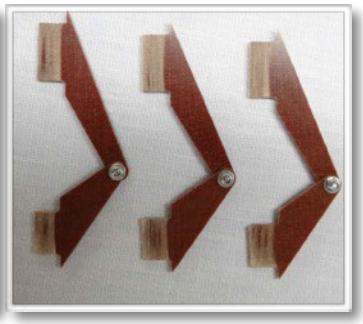
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Wing - middle section



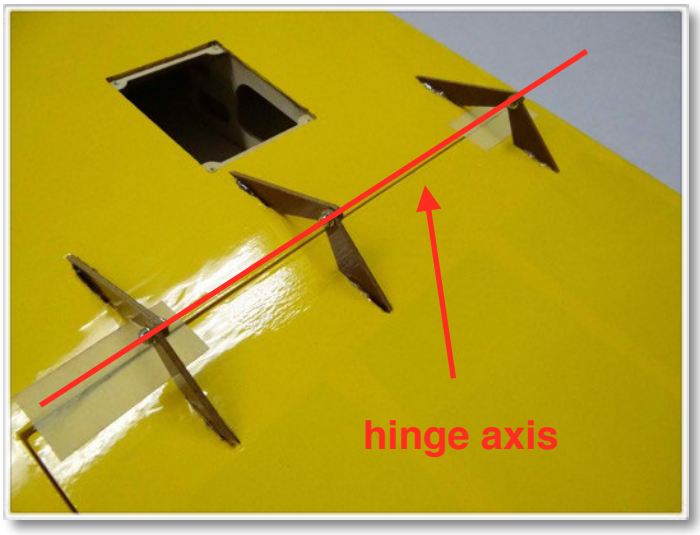


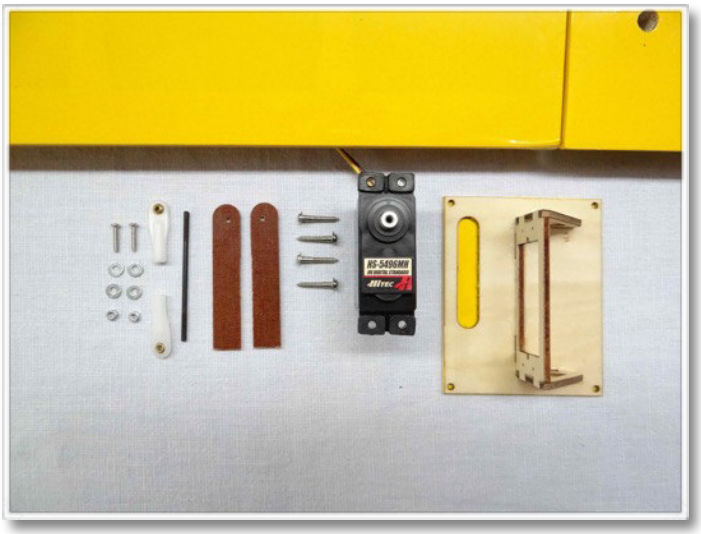




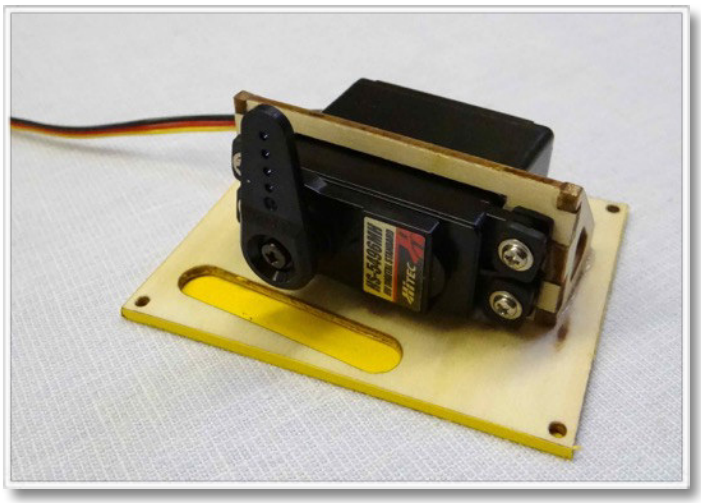


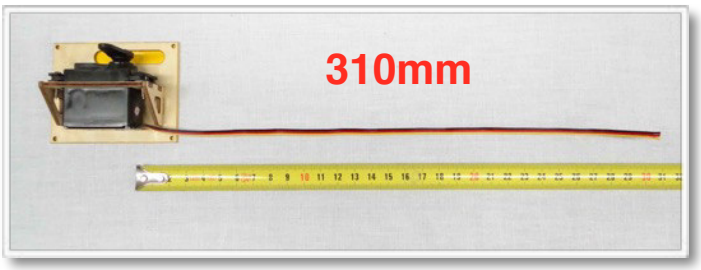


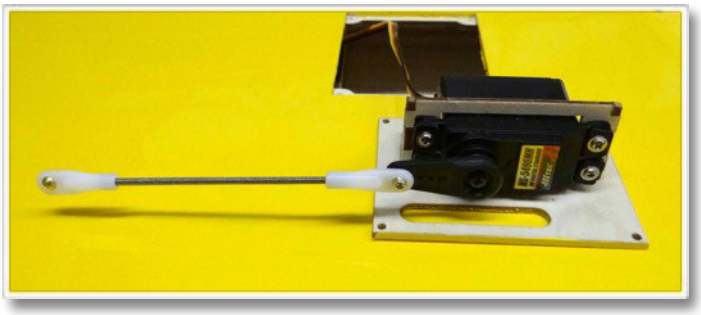


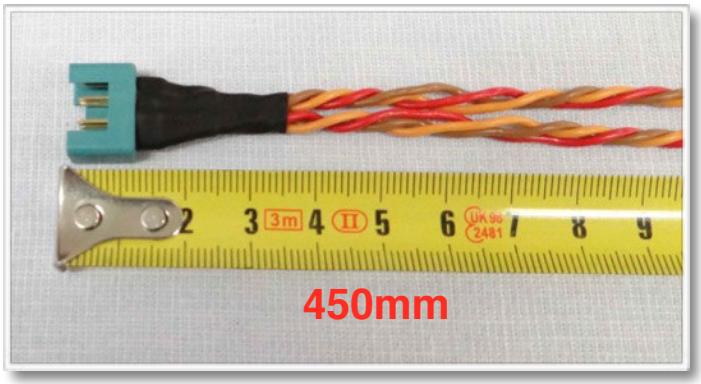


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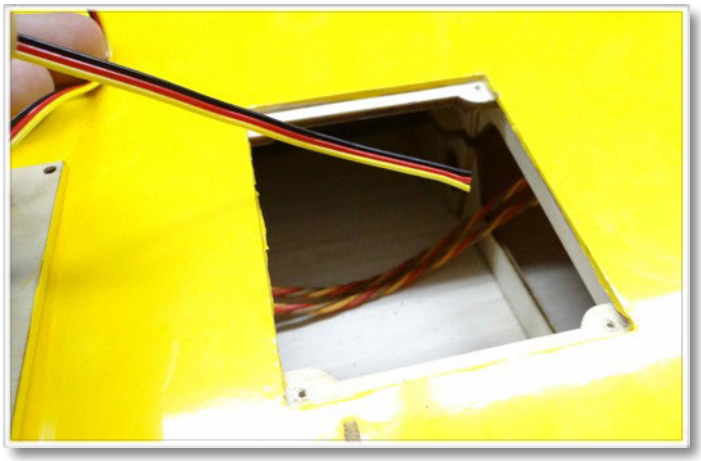


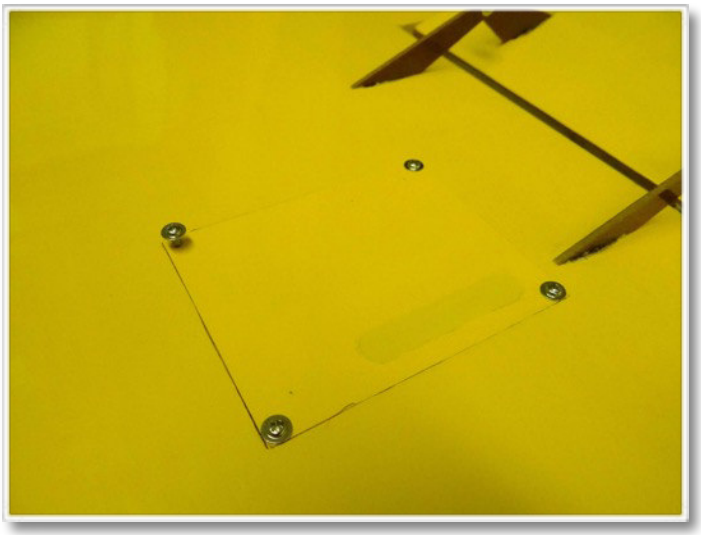












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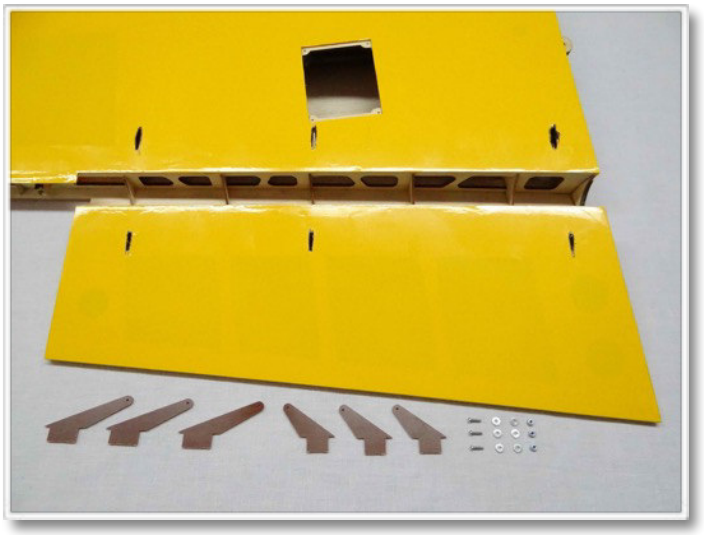




Wing - outside section, 2x

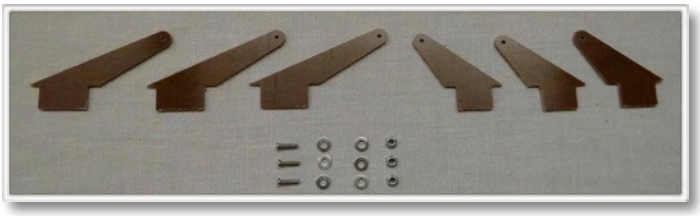


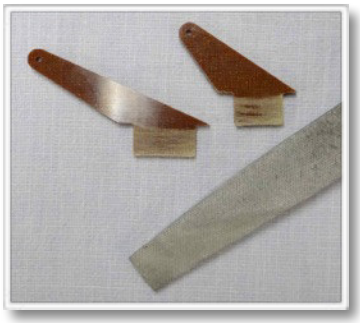


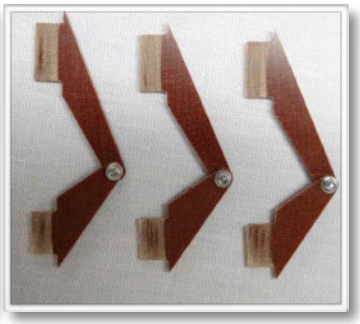


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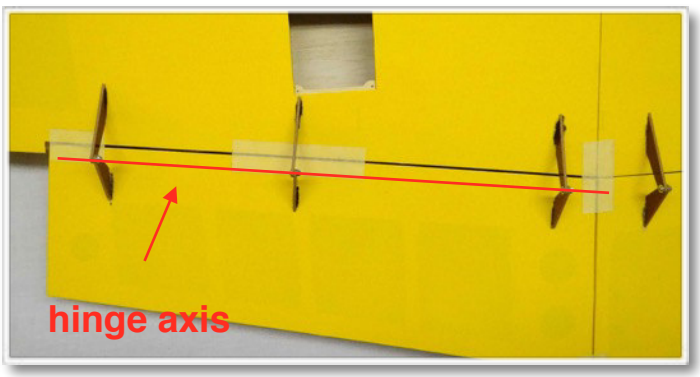


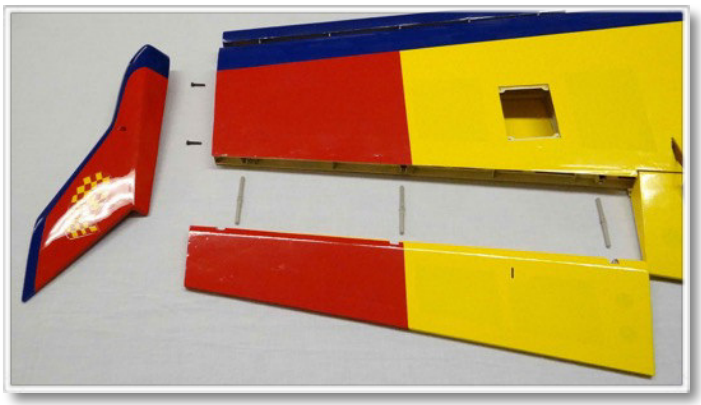


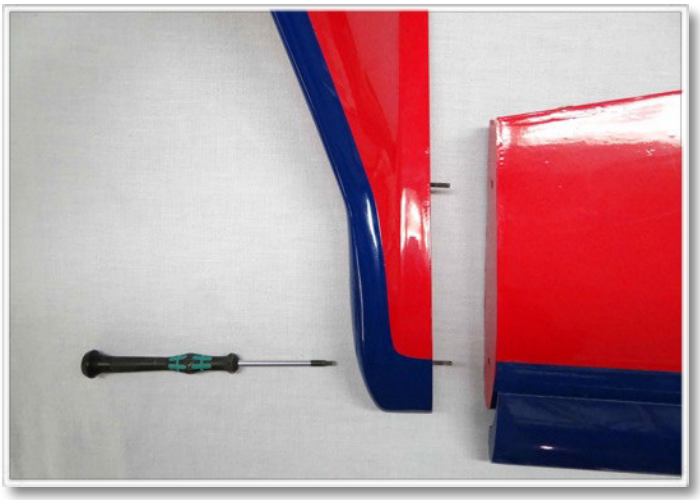








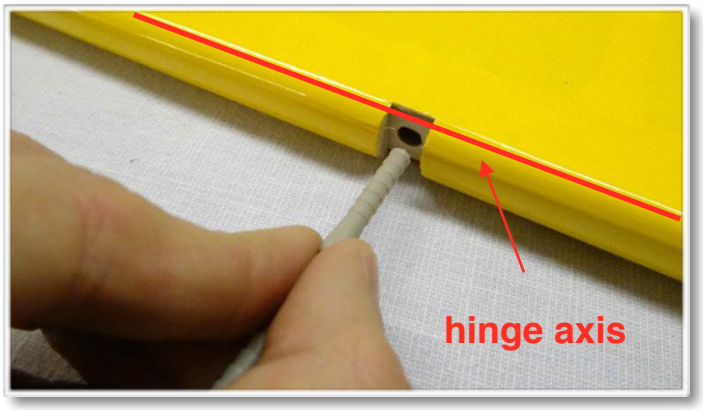


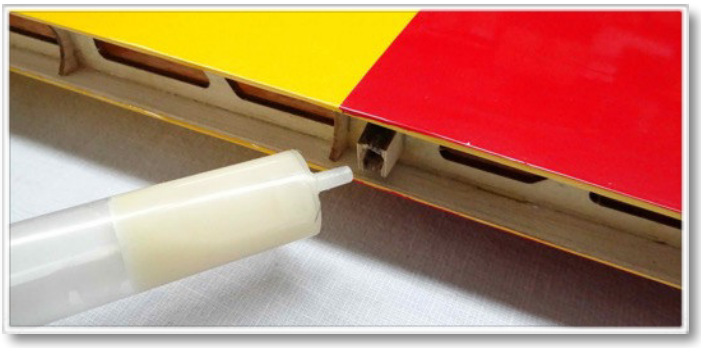


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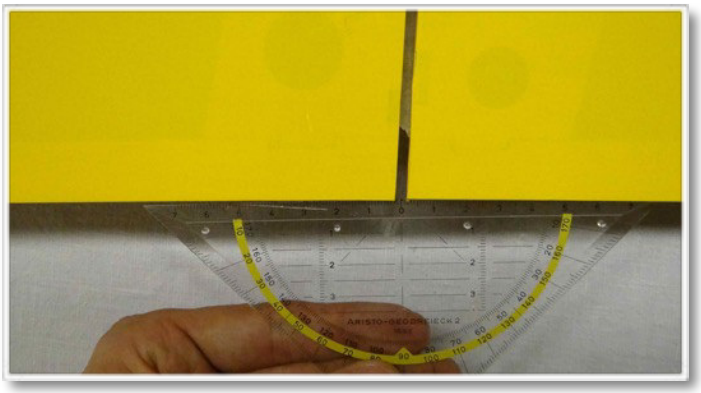






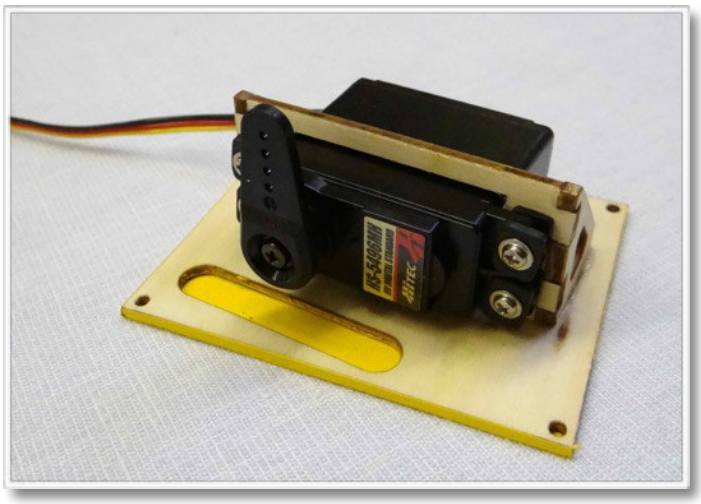


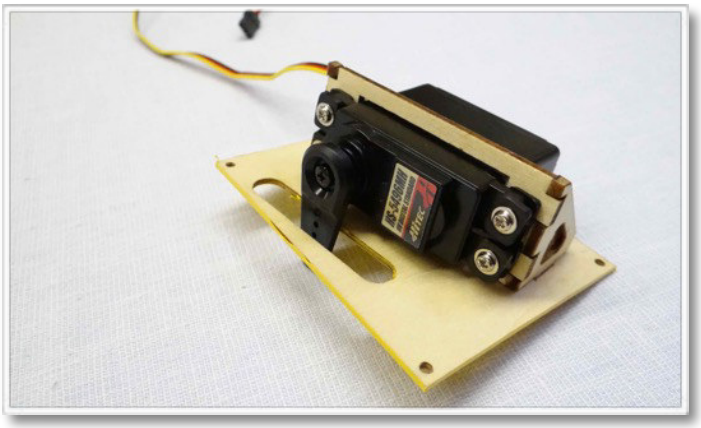


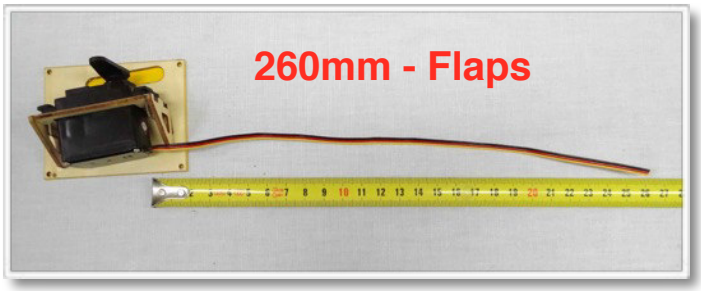


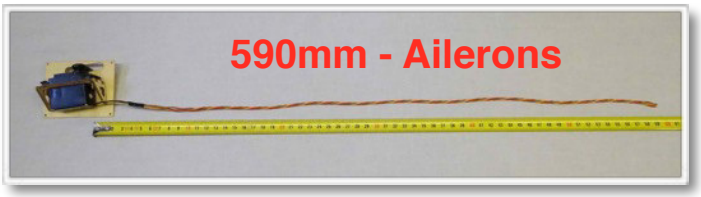


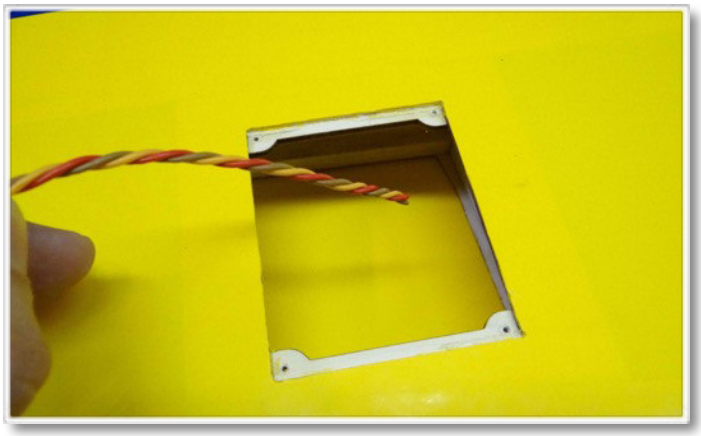
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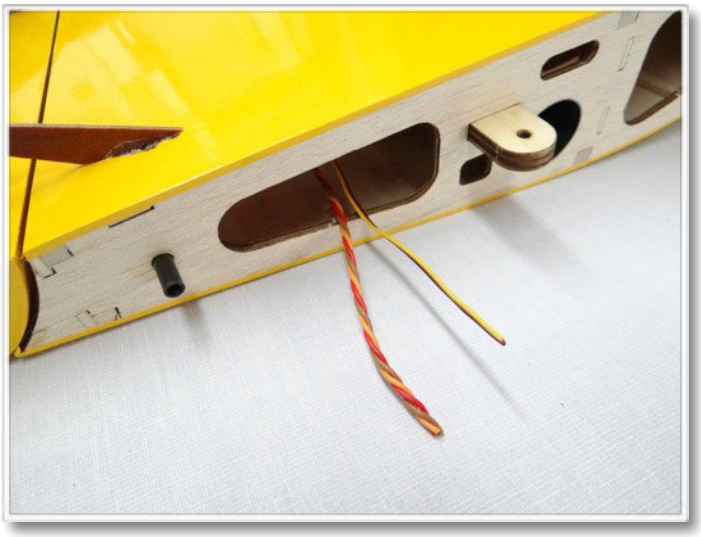


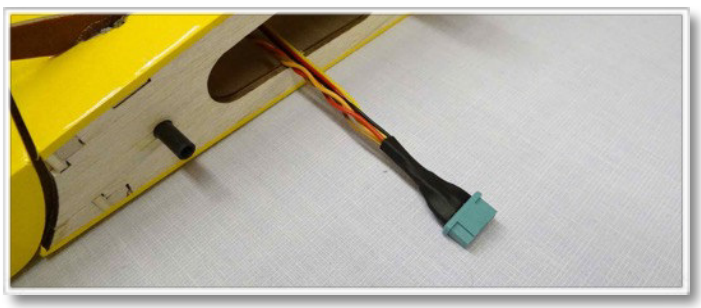






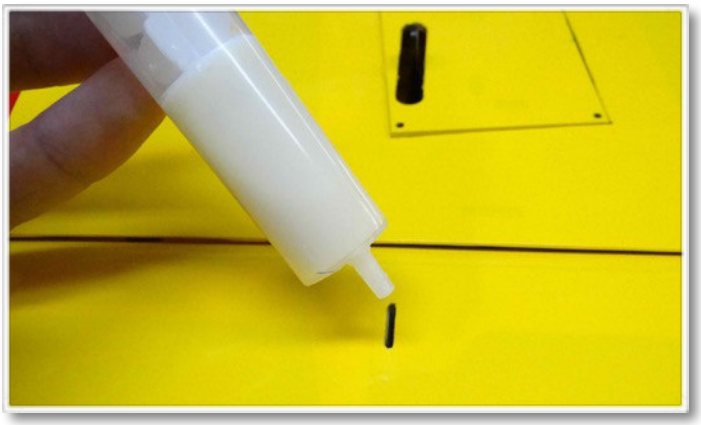






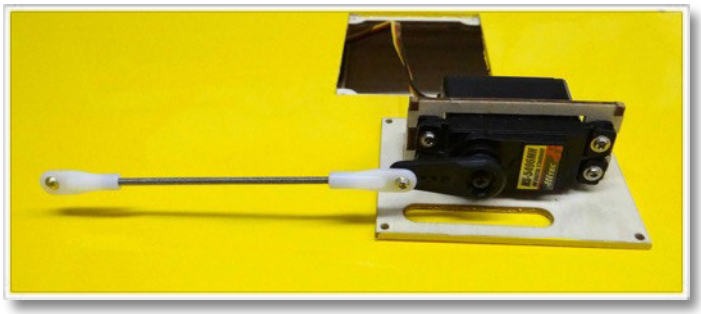
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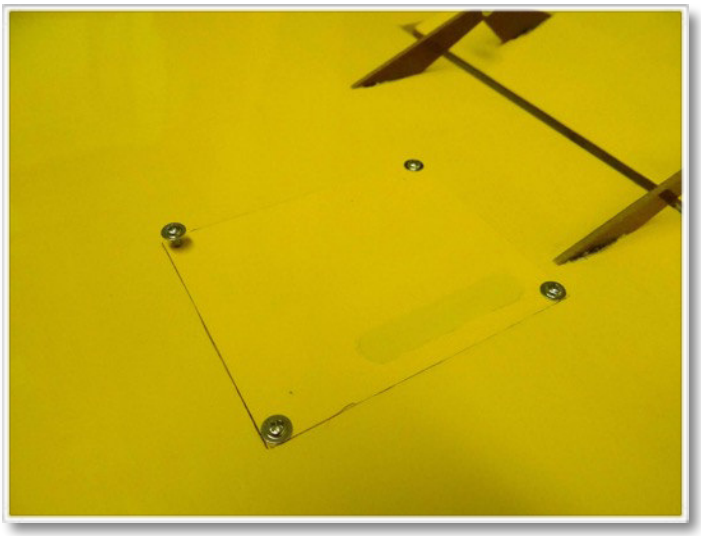












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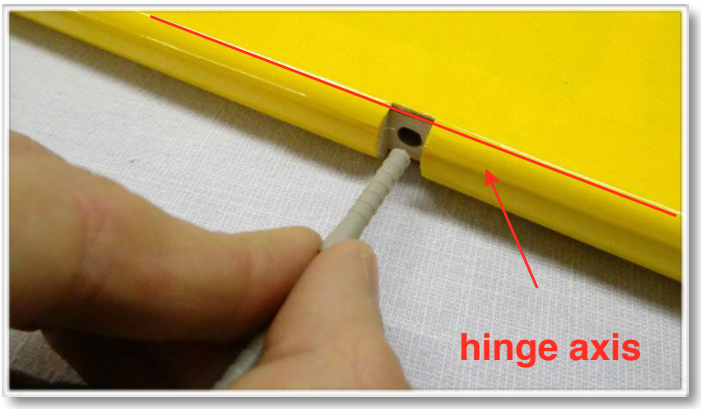


Elevator

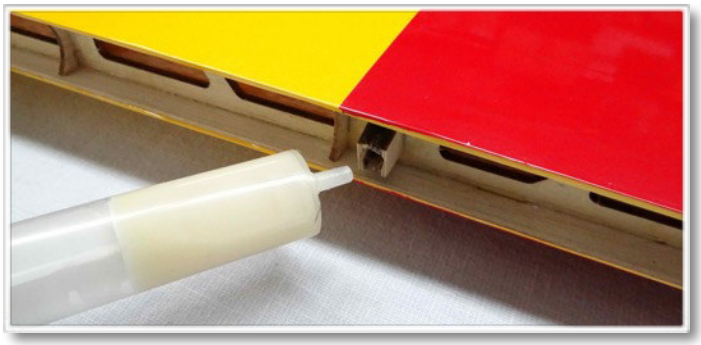




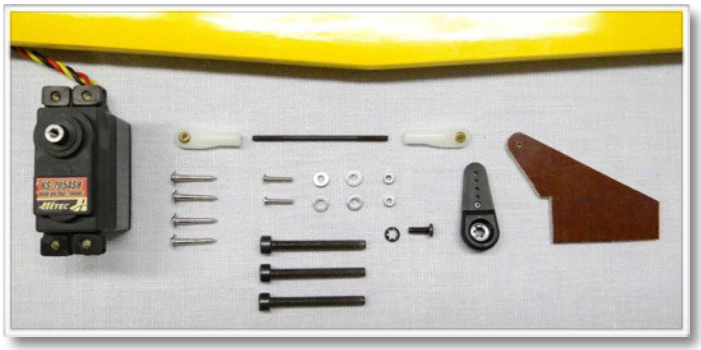


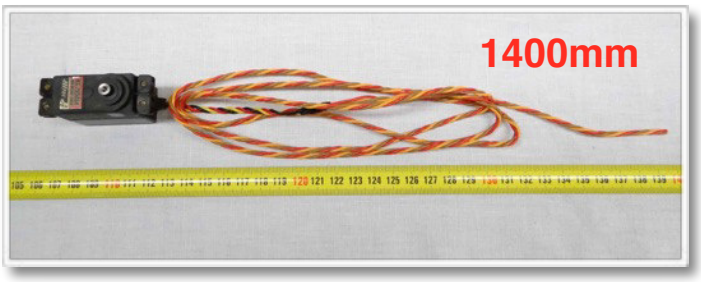


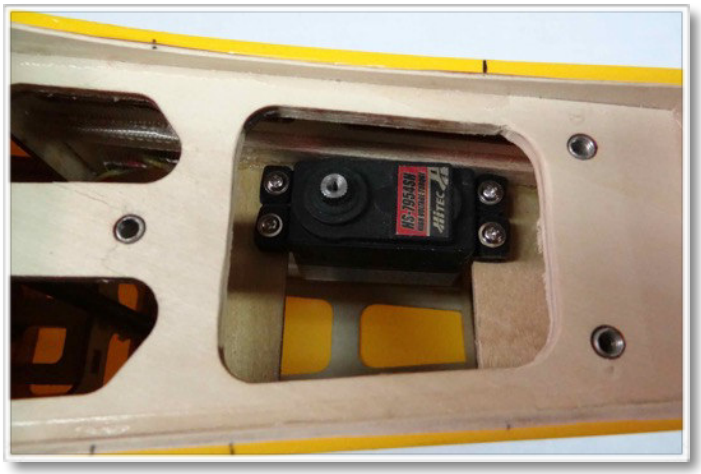
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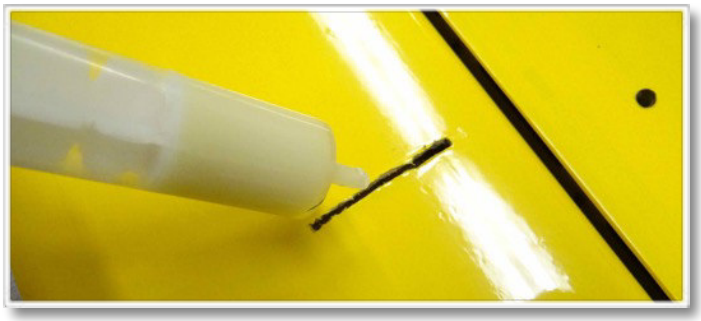






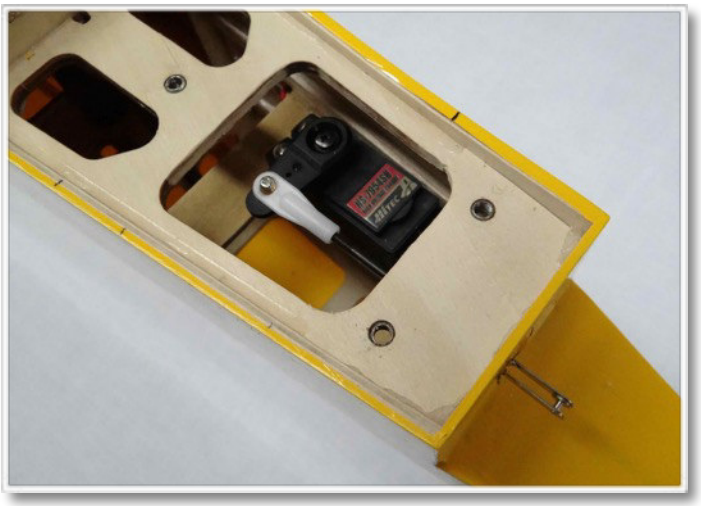






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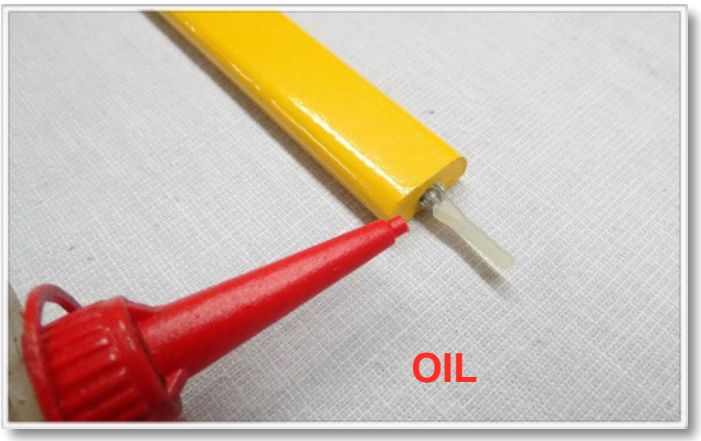










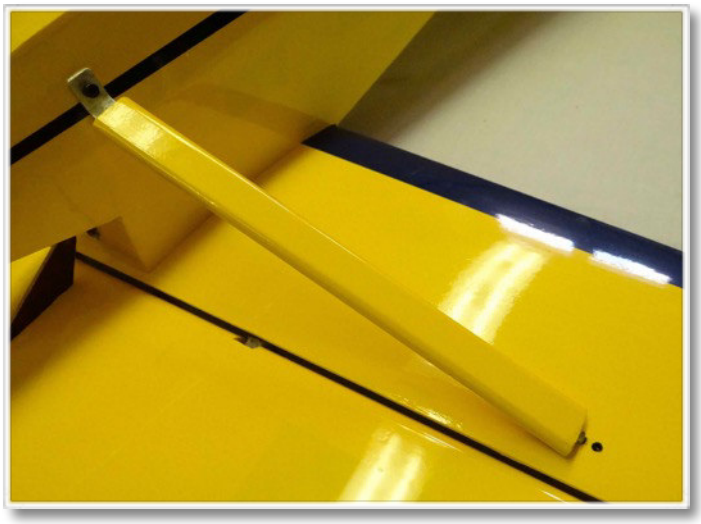




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Fuselage

Rudder

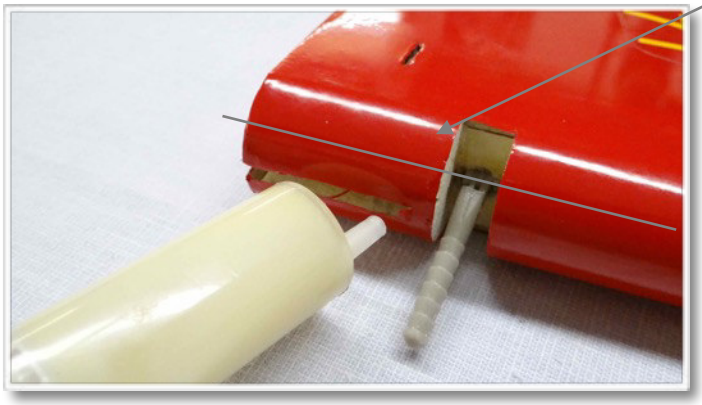


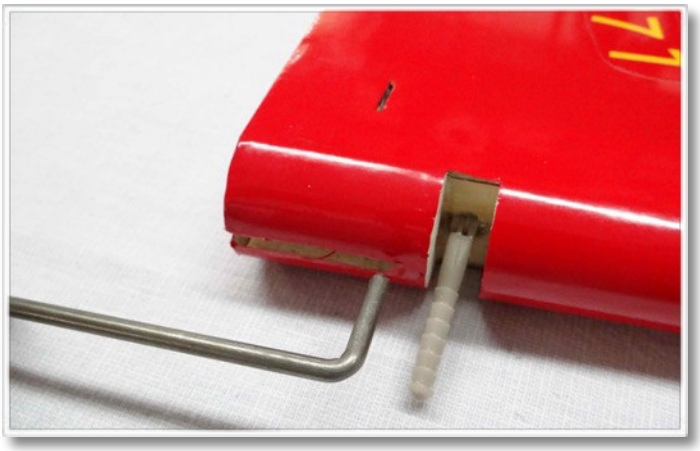


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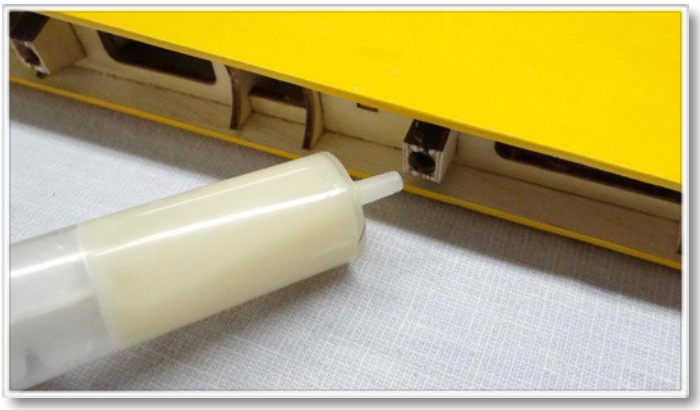








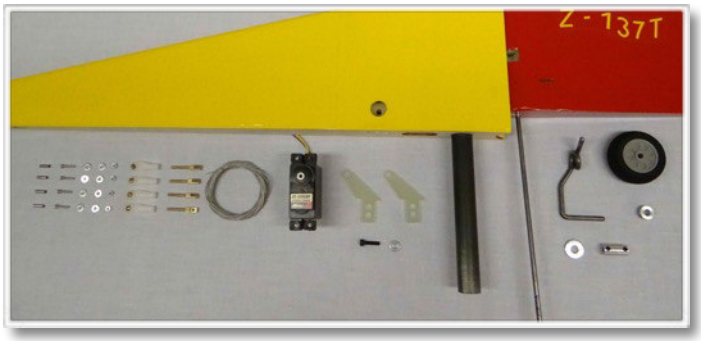




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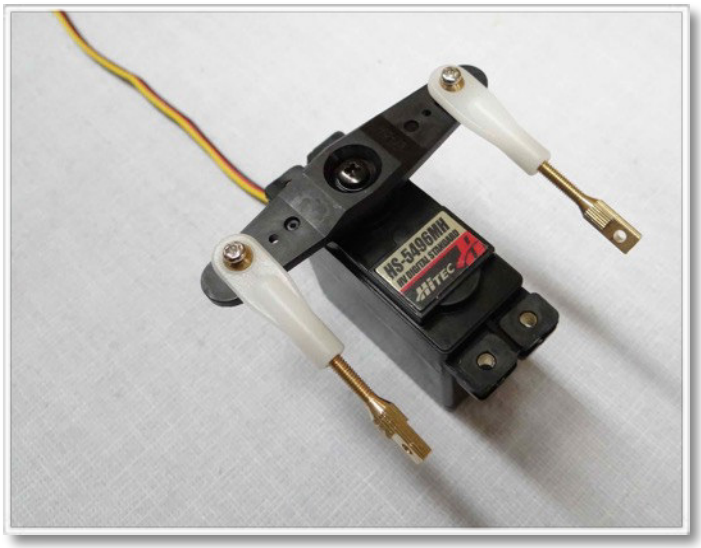


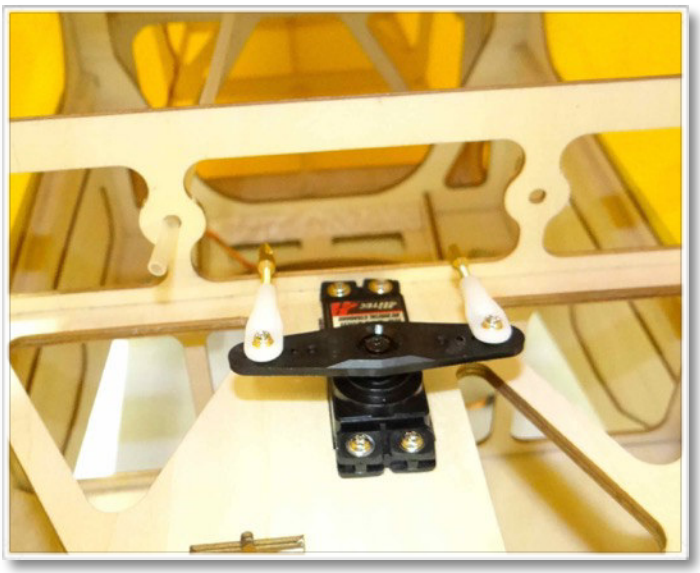


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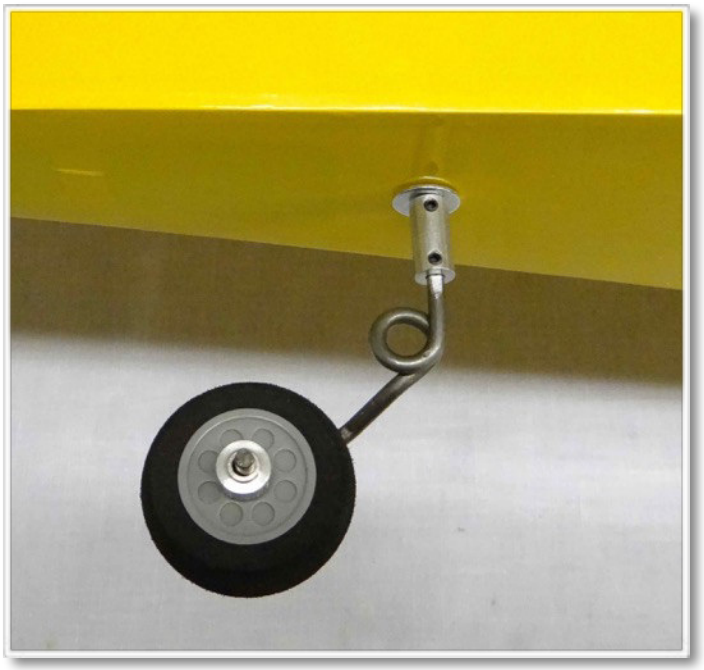




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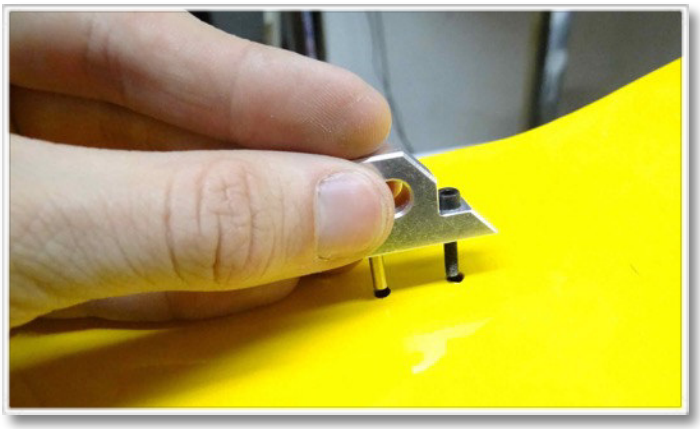
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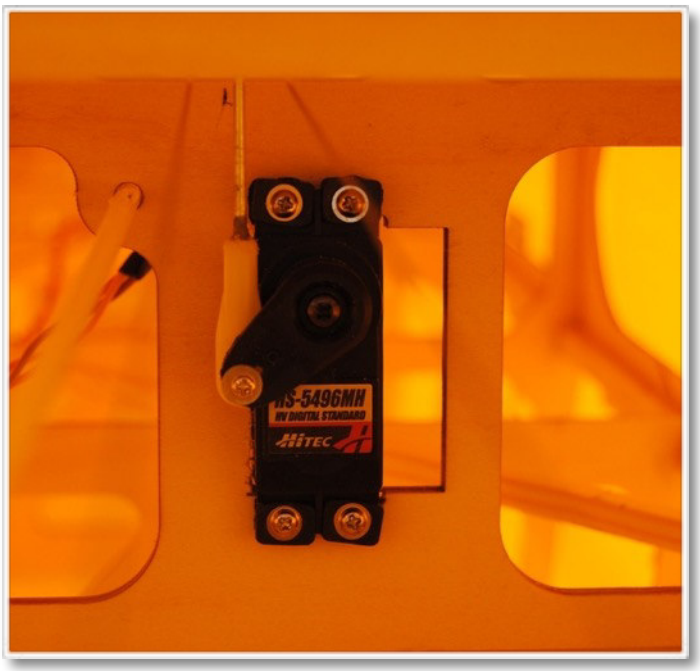
Towing clutch





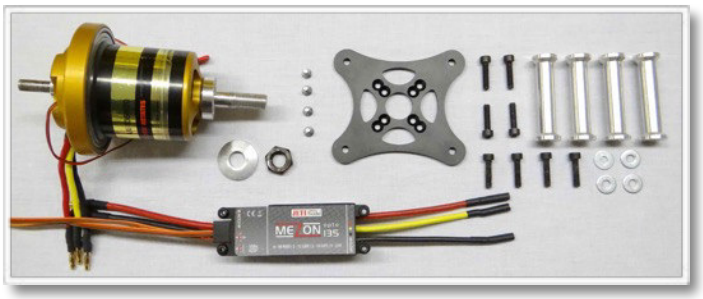


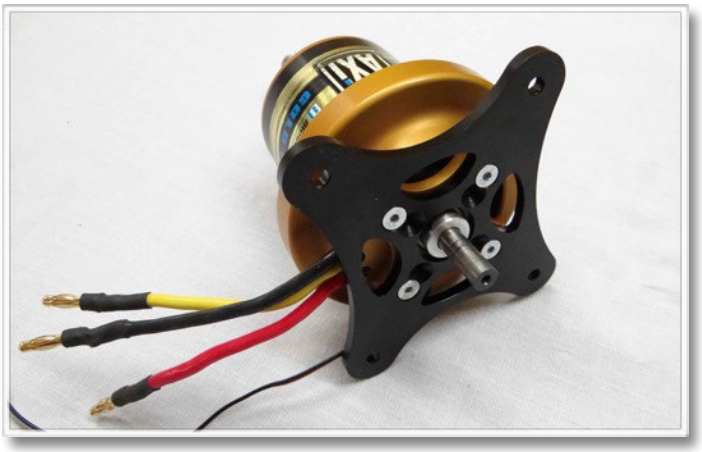




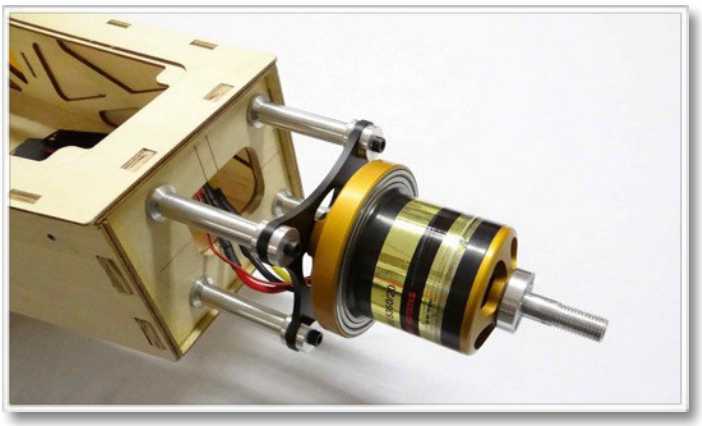
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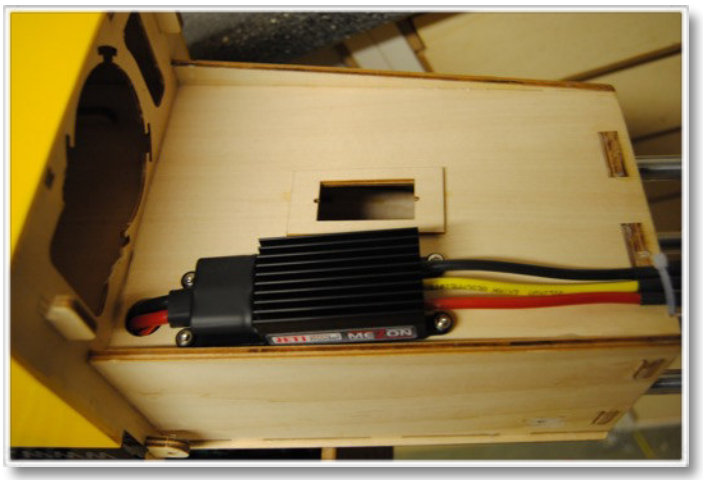
Engine













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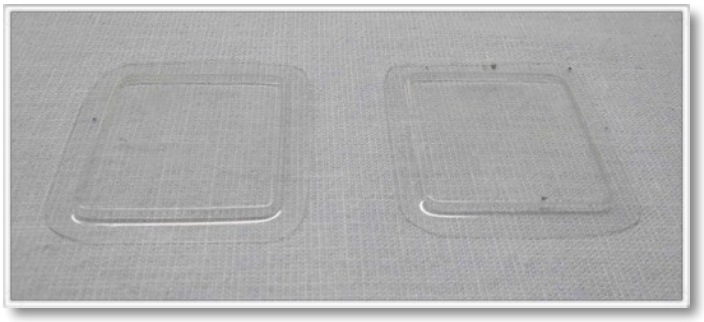






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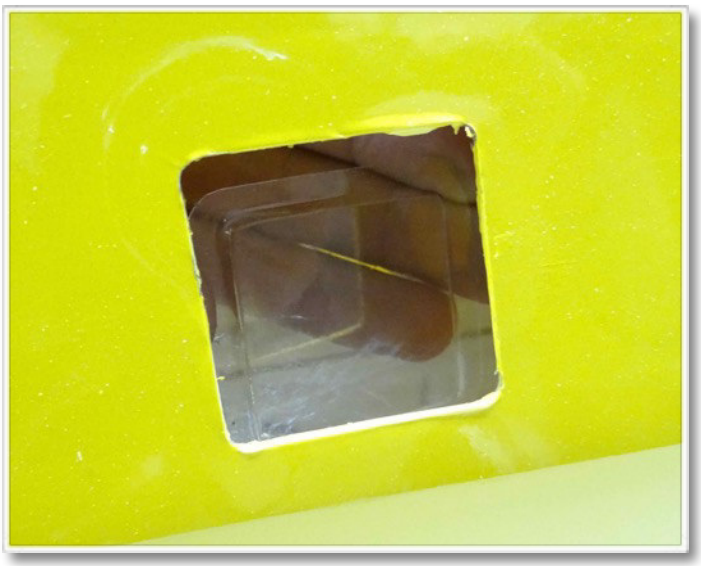
Back window





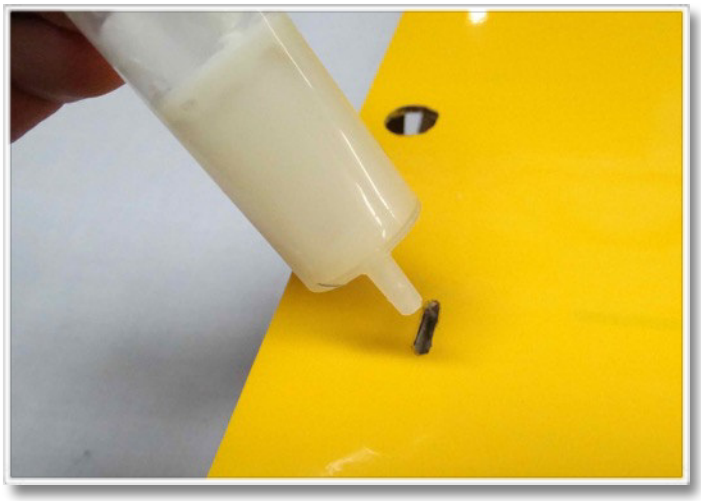
Landing gear



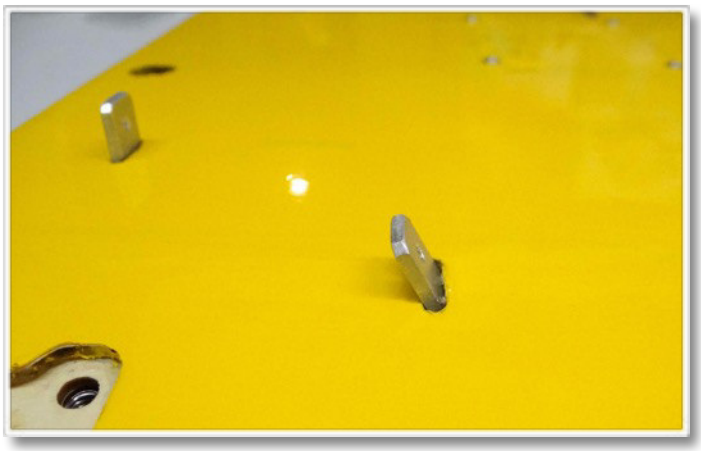


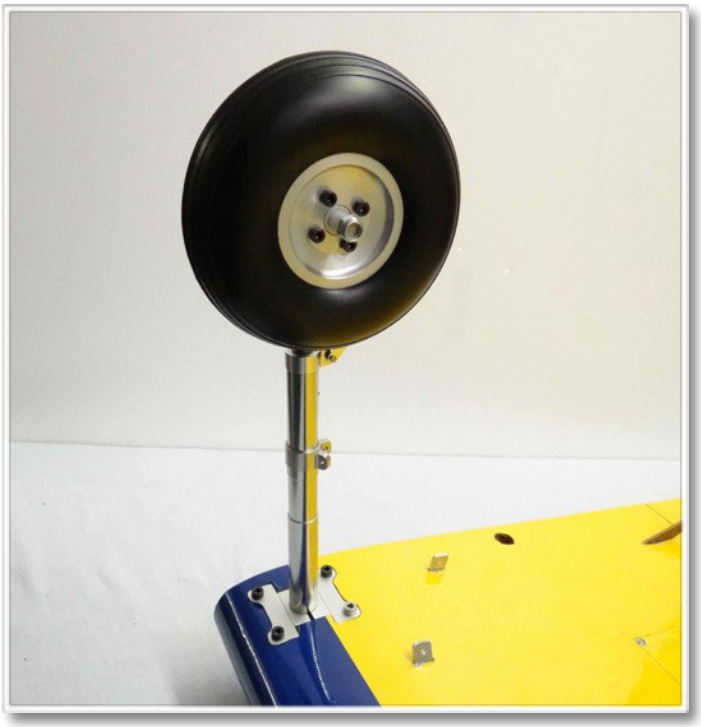


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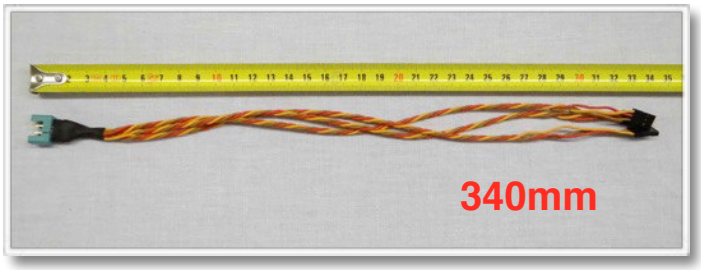


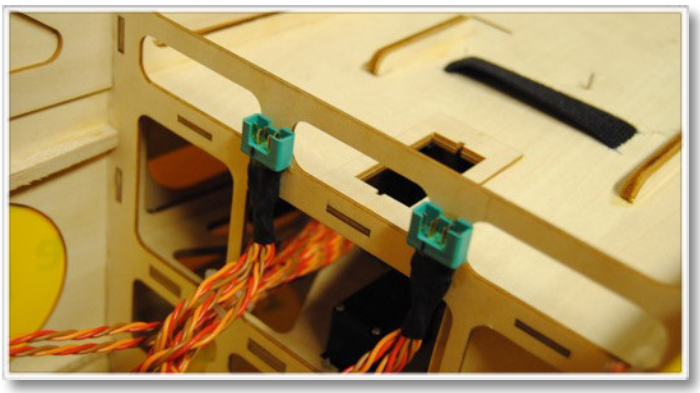


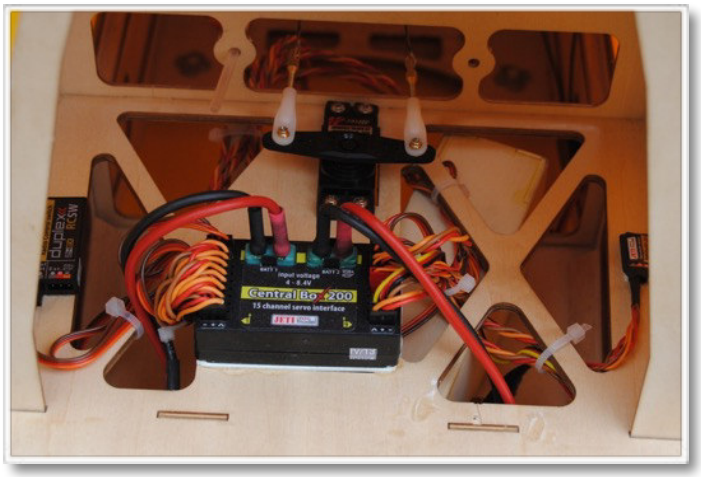


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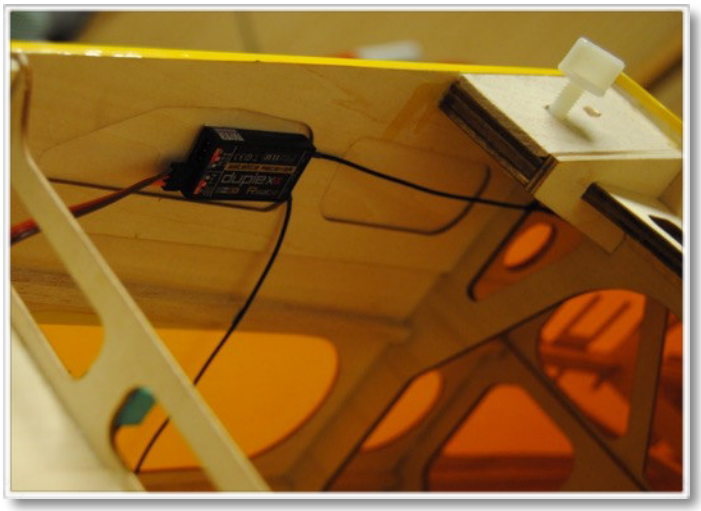
RC-fuselage

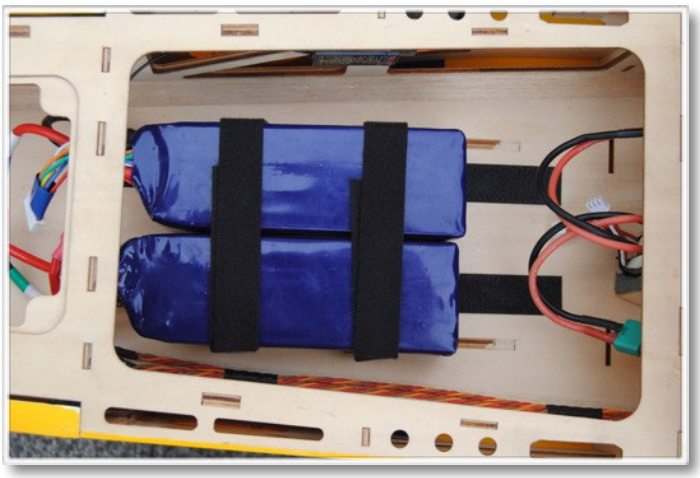












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Notes before flying

Control Throws

- Ailerons:
  - up 26mm
  - down 20mm
  - measured on the wing tips
  - Expo 40%

- Flaps
  - 50mm for take off
  - 105mm for landing

- Elevator
  - up 65mm
  - down 55mm
  - measured at the counter balance
  - Expo 50%

- Rudder
  - 50 mm to both sides, measured at the counter balance
  - Expo 35%

Mixing

We recommend the following mix

- Flaps to Elevator
  - Flaps 100%, 3mm elevator down

Center of Gravity

The recommended Center of Gravity is 130mm behind the leading edge of the wing

Range test your radio

- before your first flight, be sure to range check your radio as manufacturer´s instruction manual of your radio-system recommends
- Double check, if all controls (aileron, elevator, rudder, throttle and flaps), move in the right direction
- be sure that all your batteries are full charged

Finally I wish you nice flights!

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