Instruction manual for Ventus 2c

You will need this or similar servos and accessories
Ailerons: 2x HS-65HB
Flaps: 2x HS-65HB
Elevator: HS-56/65HB (placed in vertical tail fin)
Rudder: HS-81
Landing gear: HS-225BB
Or
Rudder: HS-125MG
Landing gear: HS-125MG
Towing hook: HS-125MG
(Installed with special servo board)

We recommend using very slow servo for landing gear or using normal Mini servo with programmed delay (about 2sec.).

All servo holders are made for HITEC servos.

3m servo cable (min. 0,34mm^2), JR/FUT connectors, etc.

Horns (all horns glue with 5-min Epoxy):
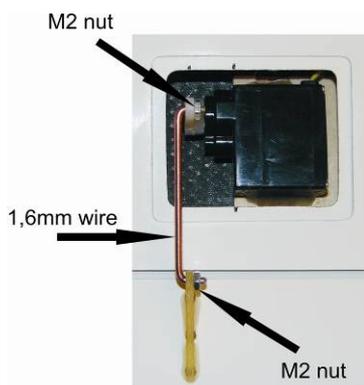
Ailerons

Flaps

Rudder

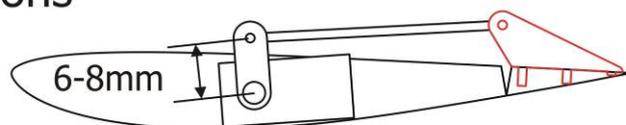Elevator

Ailerons and Flaps
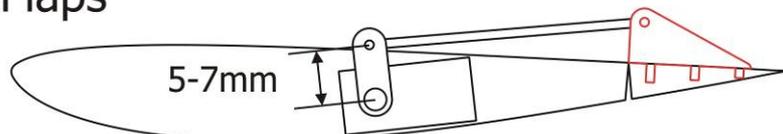

For horns drill holes 2mm   Glue with 5-min Epoxy   Servo position

For linkage use a M2 screw rod with M2 clevis or 1,6mm wire. Install first servo cover and then linkage.
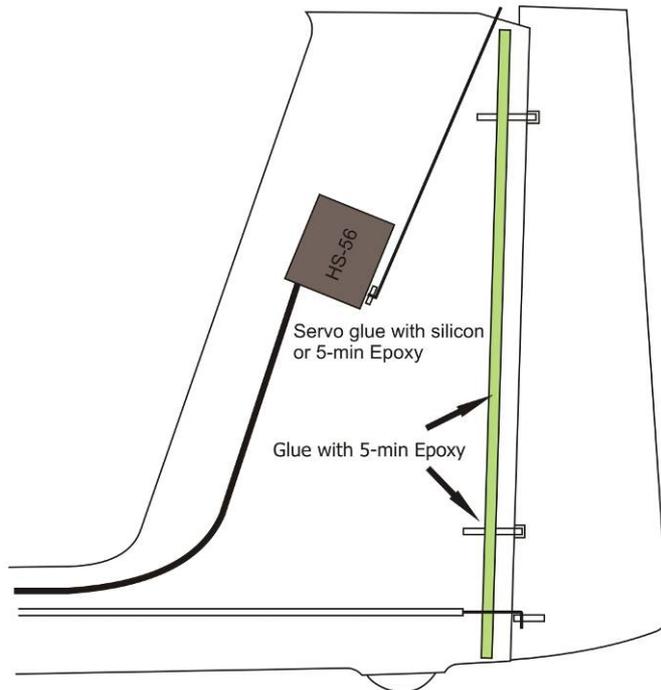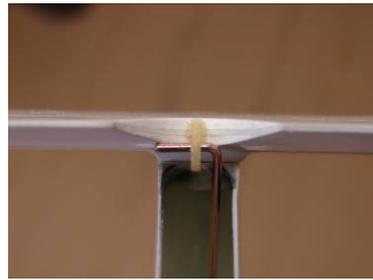
Elevator

Place the elevator servo in vertical tail fin. Use 1,6mm wire for elevator linkage.
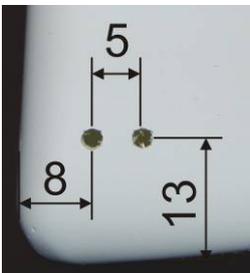

Drill hole for horn   Glue with 5-min Epoxy

Glue vertical tail fin spar after installing elevator servo.

Rudder

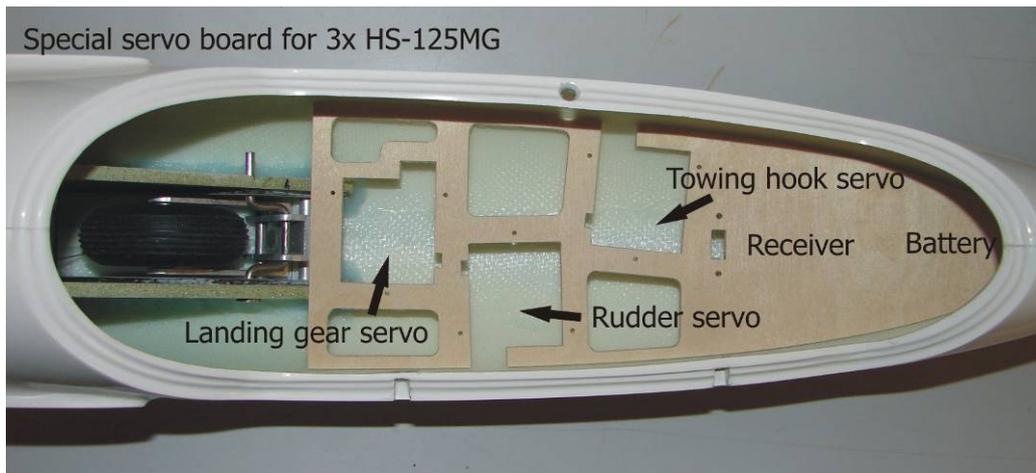For rudder linkage use a Bowden cable (plastic tube 1/2mm and 0,8mm wire).

Drill holes for horn   Glue with 5-min Epoxy

Position in fuselage

Special servo board for 3x HS-125MG

Towing hook servo

Receiver   Battery

Landing gear servo   Rudder servo

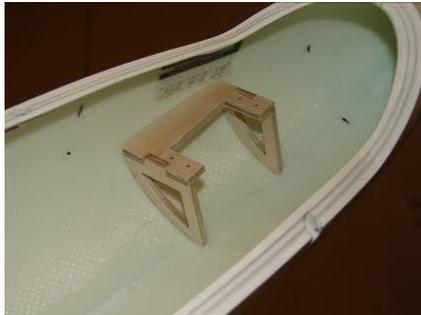Standard servo holders:

For rudder servo (HS-81)

For Landing gear servo (HS-225)

Position in fuselage

Position in fuselage

Basic set-up for Ventus 2c (- up, + down):

CG: 58÷62mm from LE at the root
Ailerons: +5, -12mm
Flaps: +3mm (thermal soaring)
Elevator: ±8mm
Rudder: ±30mm

Butterfly (landing):
Ailerons: -5mm
Flaps: +20mm
Elevator: +3÷4mm

Document version 1.1., 22.March 2007
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