

# Instruction manual for ASW 22 5,3m





You will need this or similar servos and accessories

- Ailerons: 2x HS-65HB
- Flaps: 4x HS-125MG
- Airbrakes: 2x HS-55
- Elevator: HS-81
- Rudder: HS-422
- Landing gear: HS-75BB

All servo holders are made for HITEC® servos.

12m servo cable (min. 0,34mm<sup>2</sup>), 4 pairs MPX connectors (6-pin), JR/FUT connectors, etc.

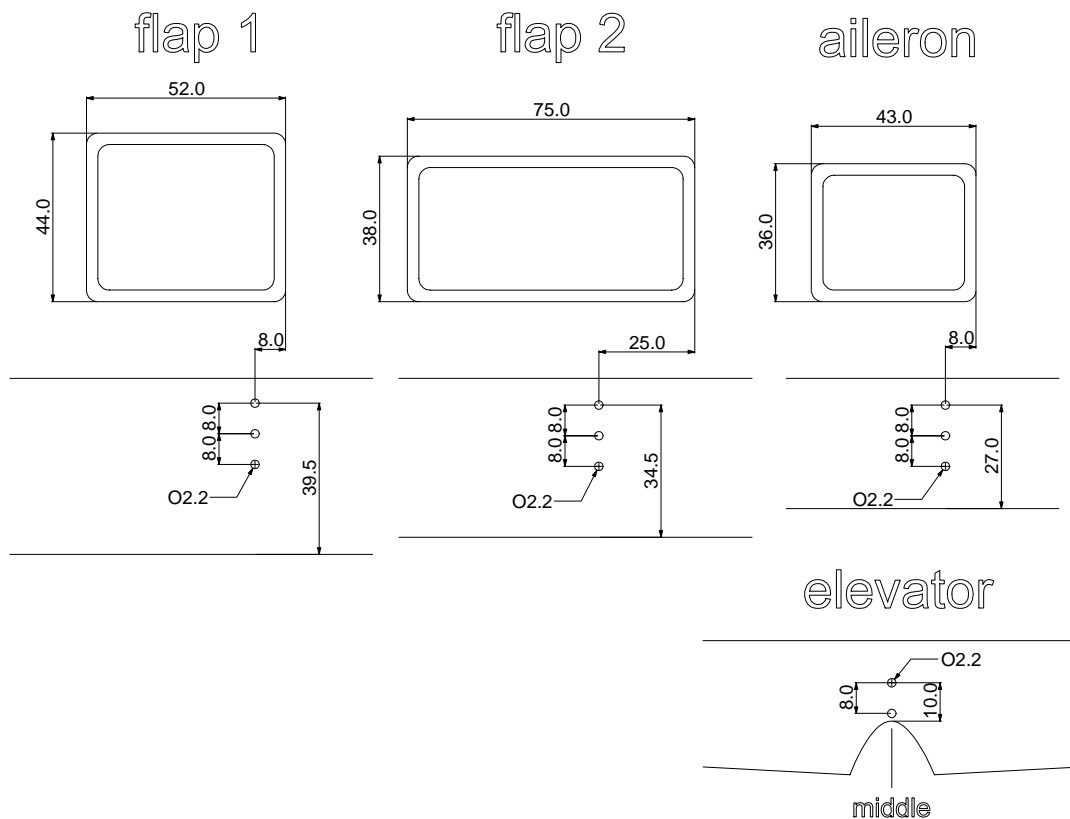
Horns (all horns glue with 5-min Epoxy):

- Flaps (4x) 
- Ailerons (2x) 
- Elevator (1x) 
- Rudder (1x) 

## Wing

Wing and elevator horns positions (drill holes 2,2mm)

wing tip >>>



## Ailerons

Cut the servo mounts

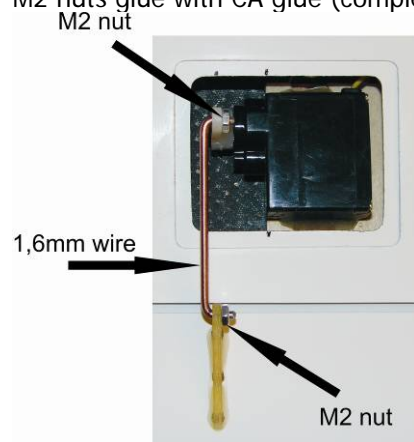


Servo holder for HS-65HB



Glue with 5-min epoxy

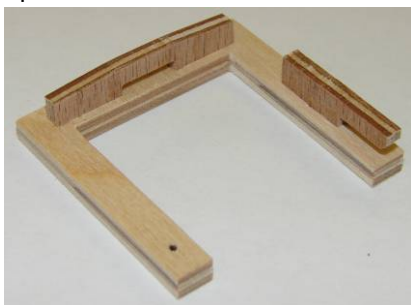
M2 nuts glue with CA glue (complete after installing servo covers)



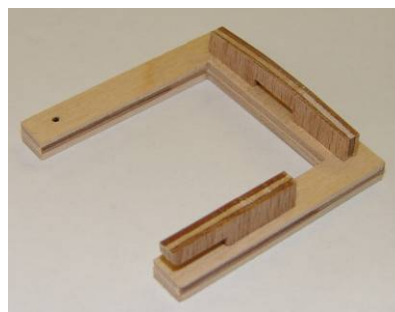
Glue the servo with 5-min Epoxy

## Flap 2

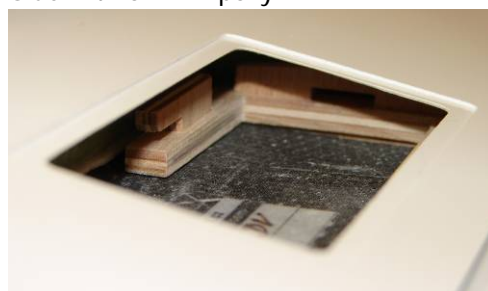
Special servo holder for HS-125MG

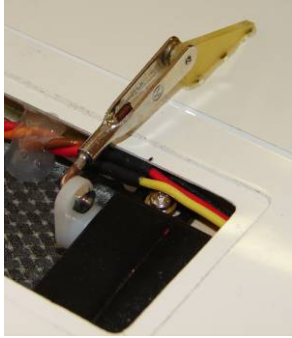


Position

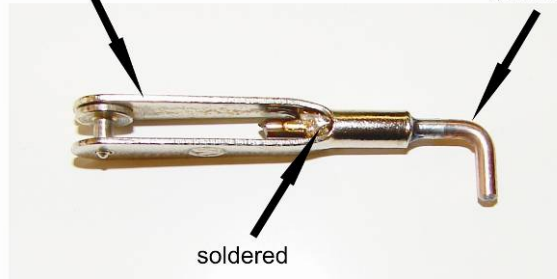


Glue with 5-min Epoxy





M2 metal nickel-coated clevis

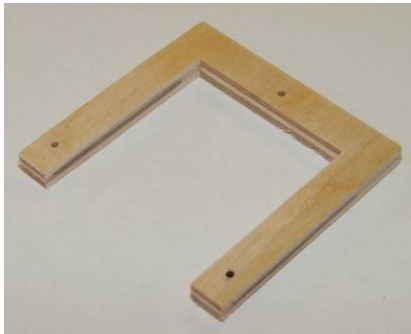


1,6mm wire

soldered

## Flap 1

Servo holder for HS-125MG



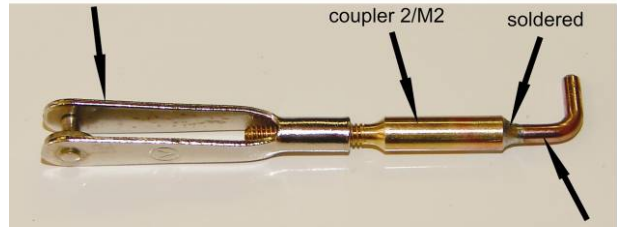
Position



Glue with 5-min Epoxy



M2 clevis



coupler 2/M2

soldered

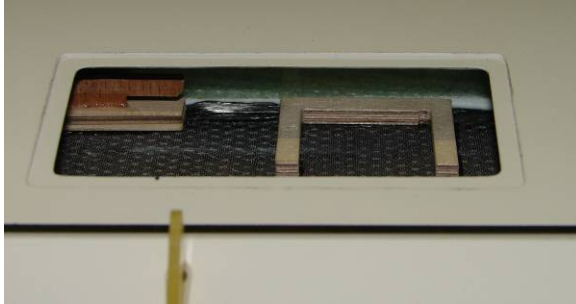
1,6mm wire



If you don't have a multi channel (min. 10) transmitter, you must use a Y-cable for Flaps 1 (both flaps L+R in 1 channel). Glue the servo holder in same direction in both wings, if not, you must use for one servo a servo reversing equipment.

# Airbrakes

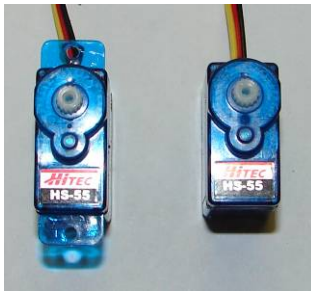
Position



Glue with 5-min Epoxy

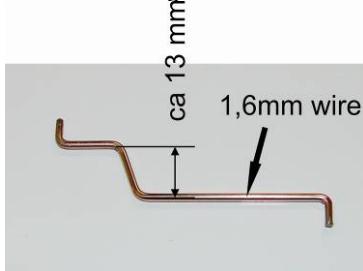


Cut the servo mounts

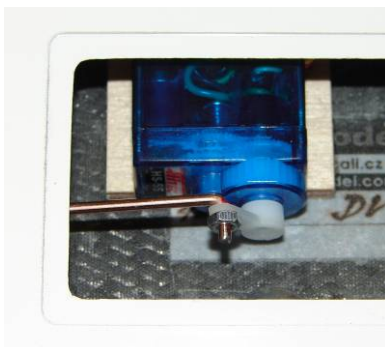


Glue the servo with 5-min Epoxy

Airbrake linkage

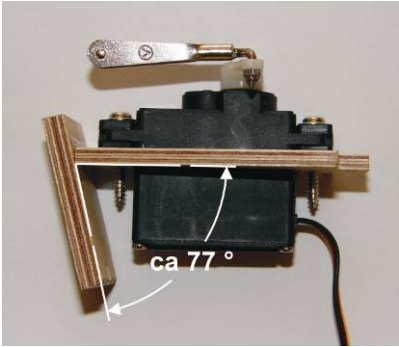
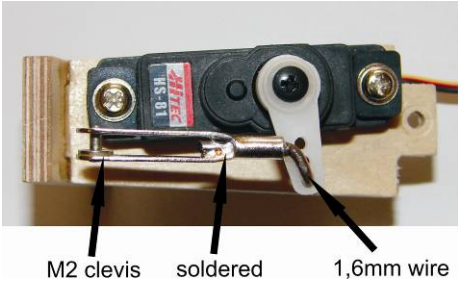


Fix the linkage with M2 nut and CA glue, strap up the hole with TESA® tape after completing

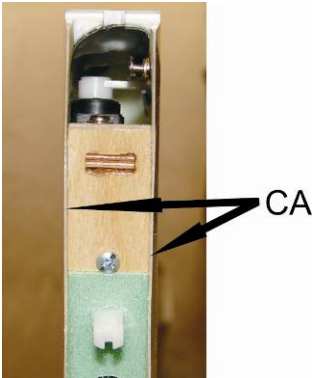


Fix I. with M2 nut and CA glue

# Elevator



Glue the flanges for servo holder with 5-min Epoxy

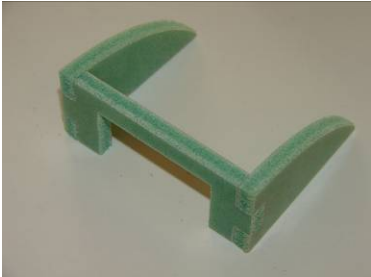
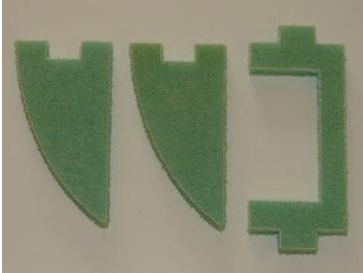


Screw the servo holder with two wood screws

Fix the edge with CA glue

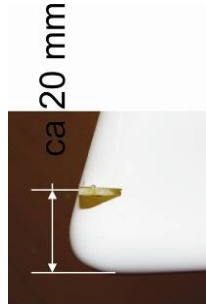
# Rudder

Holder for rudder servo HS-422



Glue with 5-min Epoxy

Position in fuselage



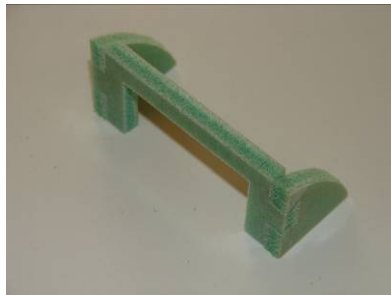
Rudder horn with M2 clevis



For rudder linkage use a bowden cable with M2 clevises.

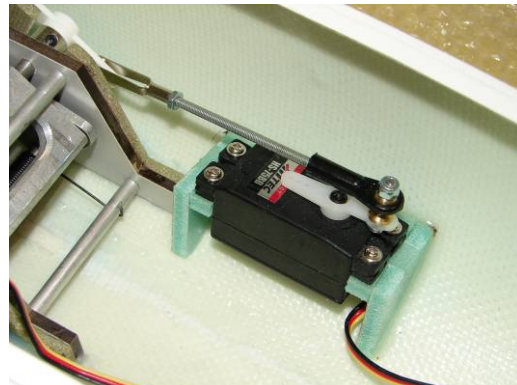
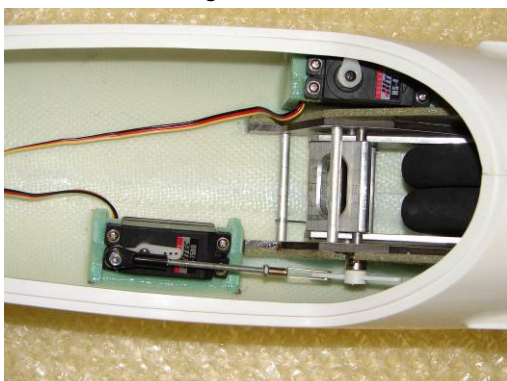
## Landing gear

Holder for retract servo HS-75BB



Glue with 5-min Epoxy

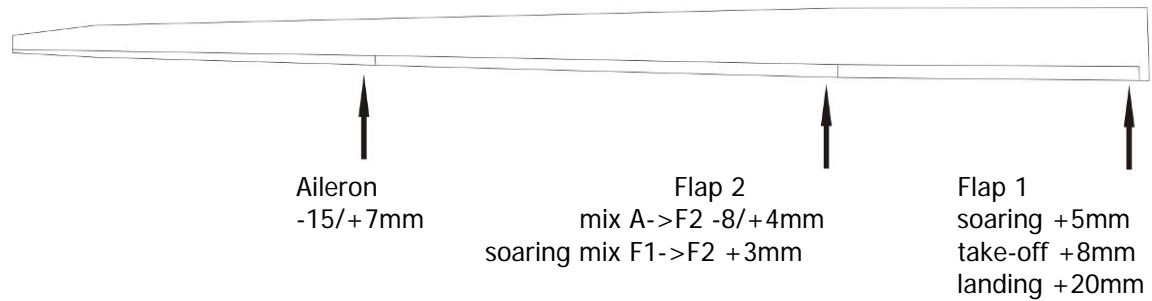
Position in fuselage



For retract servo linkage use a M3 screw rod with M3 clevis and M3 ball pivot.

## Set up for ASW 22

(- up, + down)



elevator  $\pm 12$ mm  
rudder  $\pm 35$ mm  
mix A->R  $\pm 20$ mm  
mix Airbrakes->E +4mm

CG: 45-55mm (from wing leading edge)

Servo covers

