



# VIPER

Length : 1.8 meter

Wingspan : 2 meter

Turbine : 8~12kg

Takeoff weight:11kg

Main fuel tank : 2.5L

Smoke fuel tank:0.6L

Servo : 8EA medium servo

1EA 9g servo

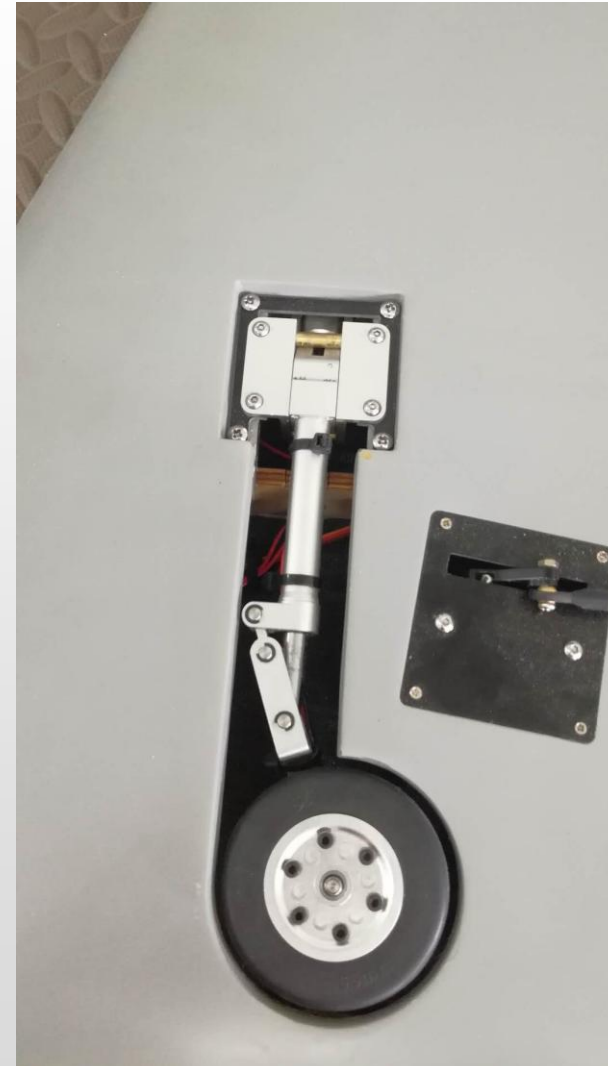


## Airframe connection

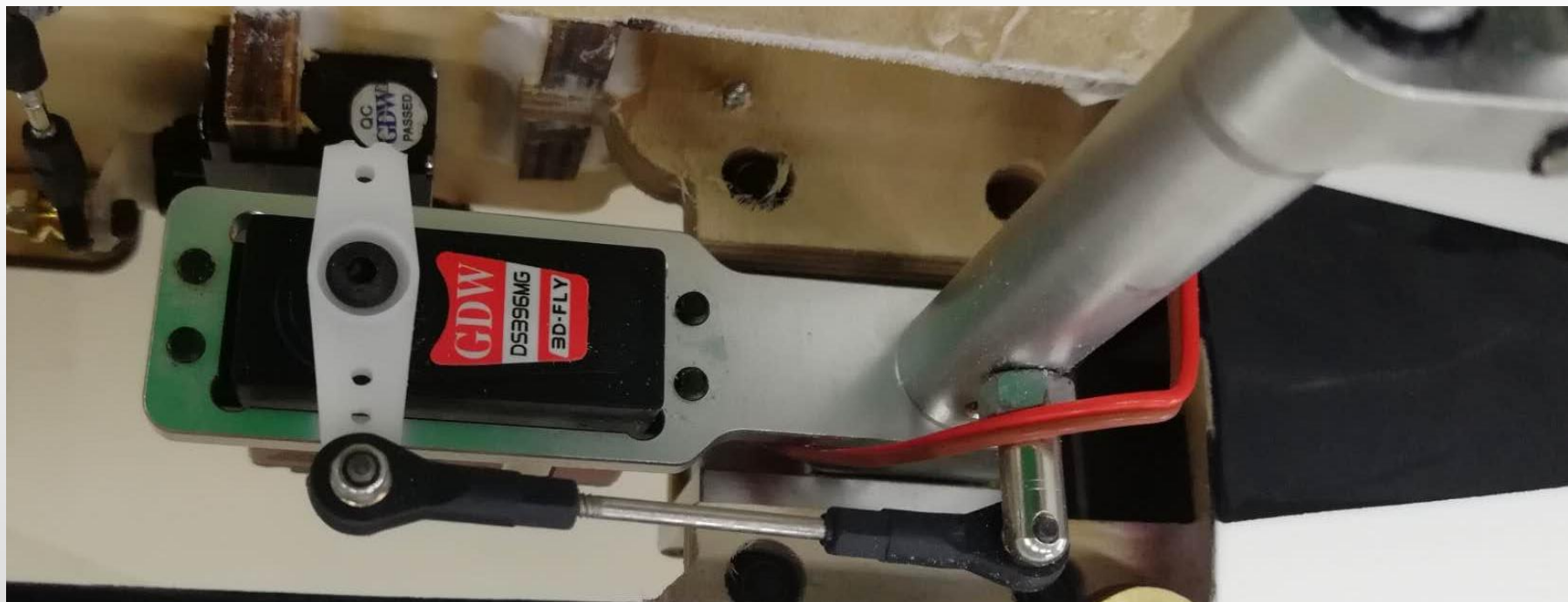


Install 4EA M4x35 inner hexagon screw

## Landing gear install

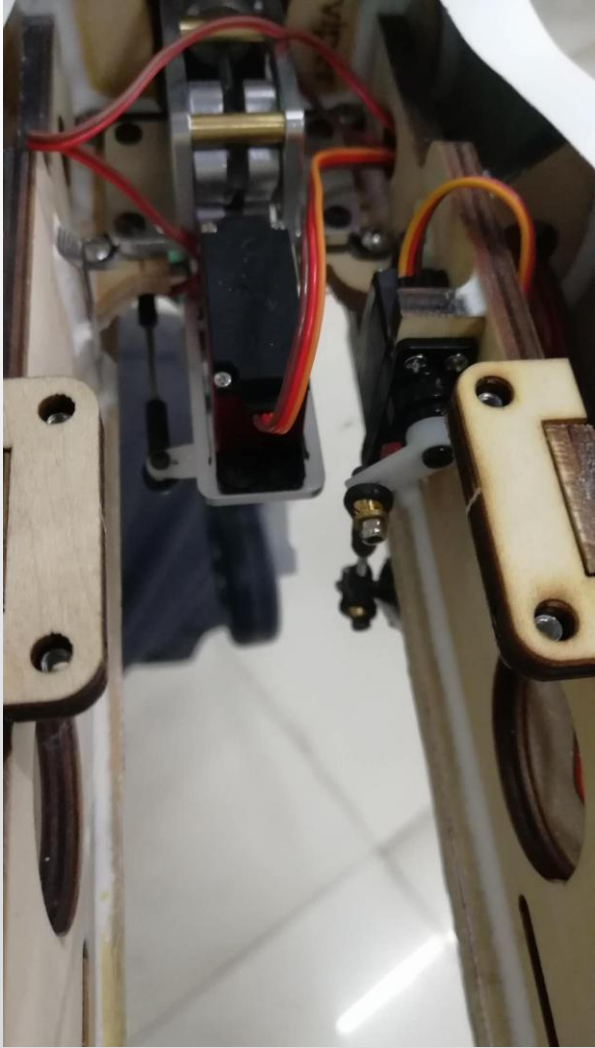


## Steering servo installation



# Nose landing gear door servo installation

Use M2X25mm pull rod



## Rudder servo installation

Use M3x40mm pull rod



## Elevator servo installation



Use M3X30mm pull rod

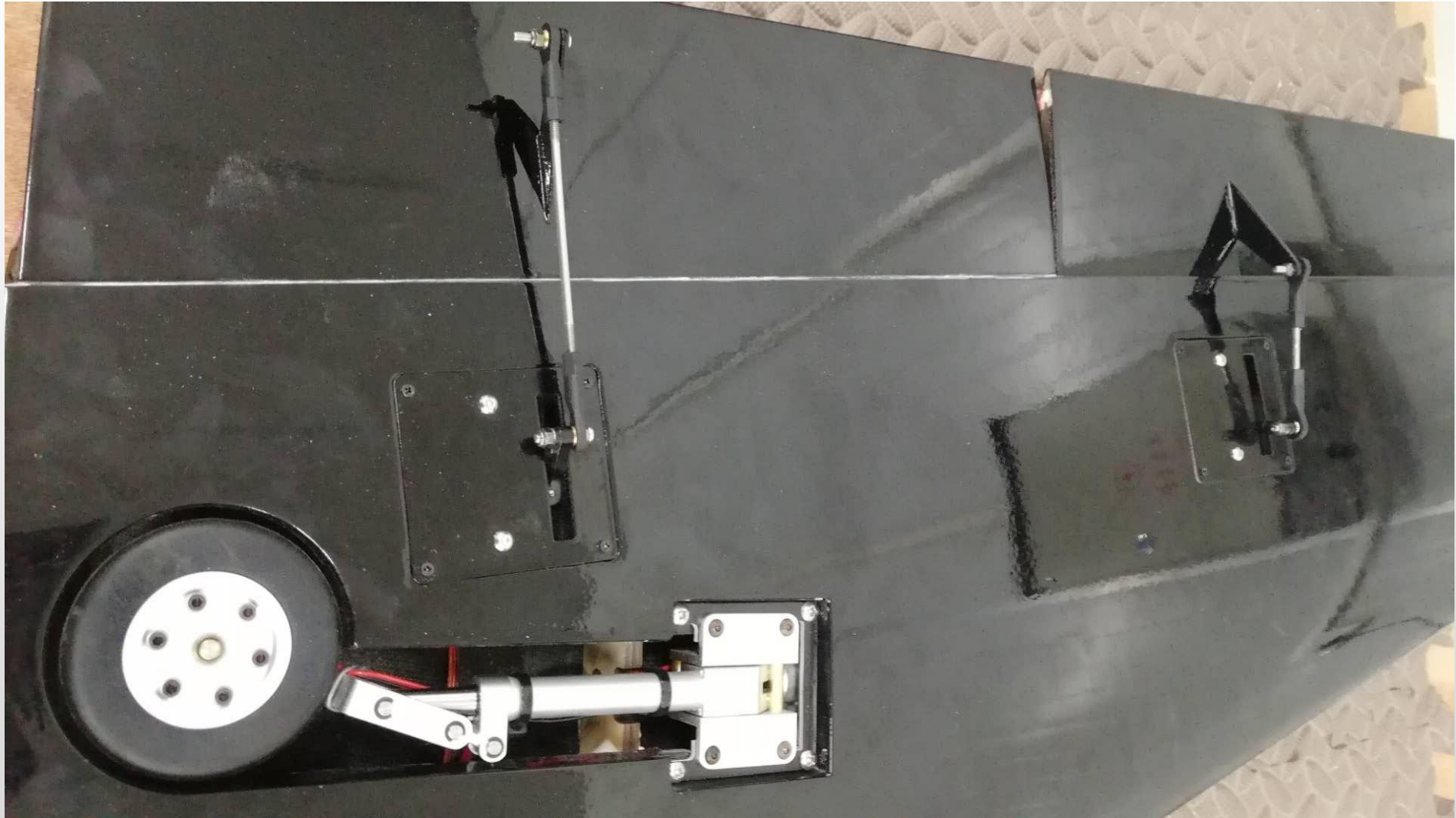




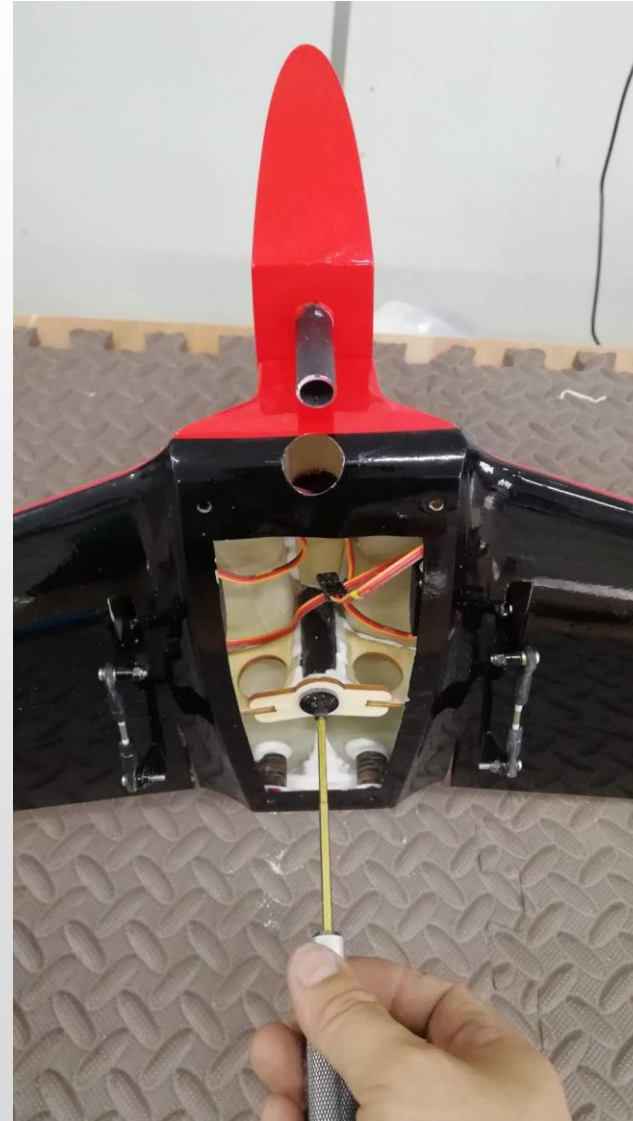


Flap use M3x75mm pull rod

Aileron use M3x30mm pull rod



## Vertical fin installation



Use M3x16mm  
hexagon screw in  
round cup

## Horizontal tail installation

First combined with the vertical tail, then integrated into the fuselage



Fixing horizontal tail with 4EA M4x35mm screws, this side and another side both have 2EA screws.



Use 2.5mm inner hexagonal screwdriver to tighten fixing screws for Vertical fin clamp

## Wing installation



Fixing with M4x25mm inner hexagon screws,  
Each wing have one screw

## Flight center of gravity and rudder distance of run

### Flight center of gravity at the wing tube



Rudder distance of run  
Elevator:  $\pm 25\text{mm}$   
Aileron:  $\pm 20\text{mm}$   
Rudder:  $\pm 15\text{mm}$   
Flap angle (Take off):  $15^\circ$   
Flap angle (Landing):  $45^\circ$