Before start, Please carefully read the explanations!

Mirage 2000

Specification;
Wingspan: 1806mm/71.1INCH
Length: 2783mm/109.5INCH
Fly Weight: ~20KG
C.G:~470mm back from the landing edge at wing root

INSTRUCTION MANUAL

SADETY PRECAUTIONS

This R/C airplane is not a toy!

(The people under 18 years order is forbidden from flying model)

First -time builders should seek advice from people having building experience.If misused or abused,it can cause serious bodily injury and damage to property

Fly only in open ares and prederably at a dedicated R/C flying site. We suggest having a qualified instructor carefully inspect your airplane before its first flight. Please carefully read and follow all instructions included with this airplane. your radio control system and any other components purchased separately.

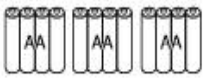
REQUIRED FOR OPERATION (Purchase separately!)

CAUTION: For details concerning the equipment listed below (size, maker, etc.), check with your hobby shop.

1 A minimum 6 channel radio for airplanes (with 8 servos), and dry batteries.

CAUTION: Only use a minimum 6 channel radio for airplanes! (No other radio may be used!)
6 channel radio for aiplane is highly recommended for this model.

12 AA-size Batteries



A minimum 6 channel transmitter for airplanes.

For handling the radio properly, refer to its instruction manual.

2 Engine and Muffler

Model Airplane Engine 10-14 KG Turbine

3 Sponge Sheet

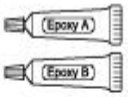
Gasoline tube

Fuel Filter

4 Glue

Instant Glue

Epoxy Glue



5 Optional electric retract set

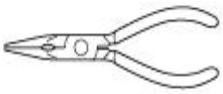
TOOLS REQUIRED (Purchase separately!)

Sharp Hobby Knife

Phillips Screw Driver (l, m, s)

Awl

Needle Nose Pliers



Wire Cutters

Scissors

BEFORE YOU BEGIN

1 Read through the manual before you begin, so you will have an overall idea of what to do.

2 Check all parts. If you find any defective or missing parts, contact your local dealer.

3 Symbols used throughout this instruction manual, comprise:

4 We strongly recommen you use the thread lock for all the screws when you build your model.

Do not overlook this Symbol!

A B Apply epoxy glue.

2mm Drill holes with the specified diameter (2mm).

Cut off excess.

Pay close attention here!

L R Assemble left and right sides the same way.

CA Apply instant glue (CA glue, super glue).

Cut off shade portion.

Ensure smooth non-binding movement while assembling.

X Must be purchased separately!

Mirage2000 Accessories

- TP Screws (2.3x8mm) ---- 16
- Hex Screw (4x25mm) ---- 7
- Hex Screw (3x10mm) ---- 10
- Round Head Screw (2x12mm) ---- 14
- Round Head Screw (3x12mm) ---- 12
- Resistance nut (3mm) ---- 12
- Resistance nut (2mm) ---- 14
- Washer (2x5mm) ---- 14
- Washer (3x6mm) ---- 12
- Push Rod for Flap and Aileron (3x150mm) 4
- Push Rod for Tail pipe (3x88mm) 2
- Carbon fiber Push Rod for Tail Pipe (8x395mm) 2
- Bended iron stick (2x90mm) 2
- Push Rod for Front Gear Door (2x55mm) 2
- Push Rod for Fuselage Gear Door (2x35mm) 2
- Push Rod for wing (2x58mm) 4
- Fiber horn for Flap and Aileron (3mm) 8
- Ball Joint (2mm) ---- 16
- Ball Joint (3mm) ---- 8
- Iron Ball Joint for Tail Pipe (3mm) ---- 2
- Aluminum Part for Rudder 1
- 90° Iron stick (4x60mm) 1

Servo accessories

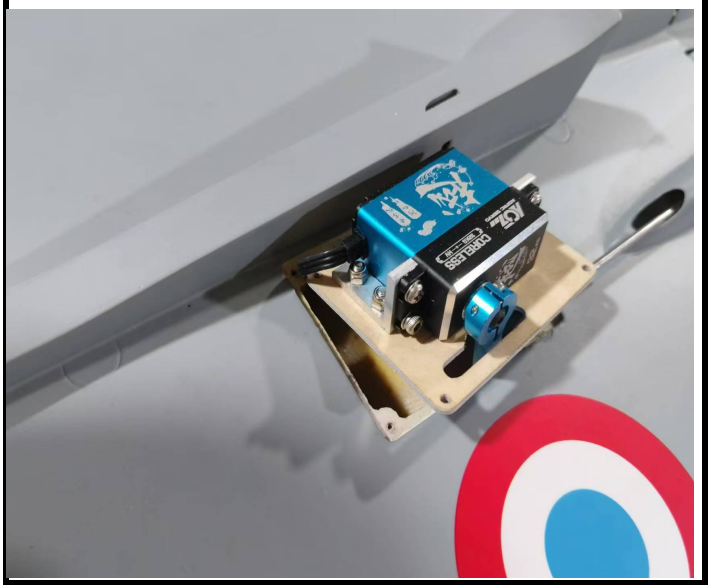
- L Bracket (25x20x3mm) ---- 8
- Philip's head Screw (3x10mm) ---- 16
- Round Head Screws (3x8mm) ---- 16
- Resistance nut (3mm) ---- 16
- Washer (3mm) ---- 16

- Pivot & Round Hinge (5x68mm) ---- 3
- Servo Cover ---- 4
- Main Gear Door B ---- 2
- Main Gear Door A ---- 2
- Wing Carbon fiber tube (16x678mm) 1
- Wing Carbon fiber tube (16x945mm) 1
- Rudder Alu tube (12x145mm) 1
- Rudder Alu tube (20x280mm) 1
- Fuel Tank ---- 1
- Plastics Keeper ---- 2
- Wooden part for servo installing ---- 4

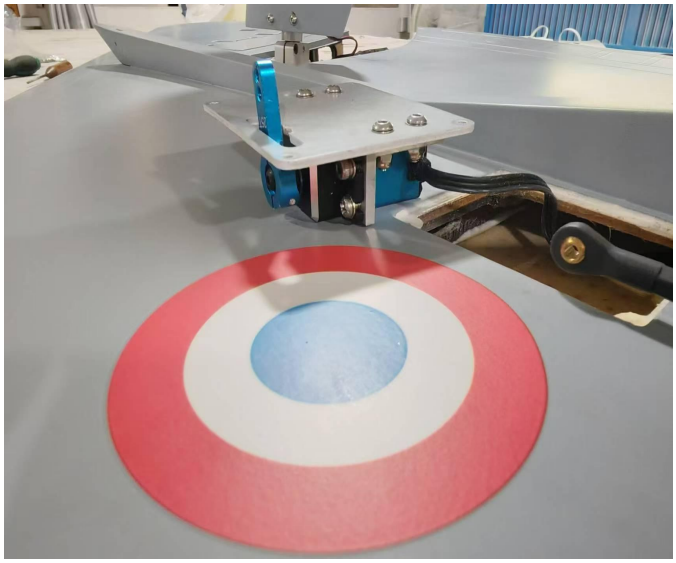
Retract set accessories

- Front Retract ---- 1
- Main retract ---- 2
- 3mm Wooden washer for main gear door installing 4
- Round Head Screws (3x10mm) ---- 8
- Hex Screws (2x12mm) ---- 4
- Nut (2mm) ---- 4
- TP Screws for main retract (3x20mm) ---- 12
- Washer (3x6mm) ---- 8
- Controller ---- 1
- Push Rod for Front Gear (2x48mm) 2
- Ball Joint (2mm) ---- 4
- Hex Screws (2x12mm) ---- 4
- Resistance nut (2mm) ---- 4

1 Fit the servo and L Bracket with screws

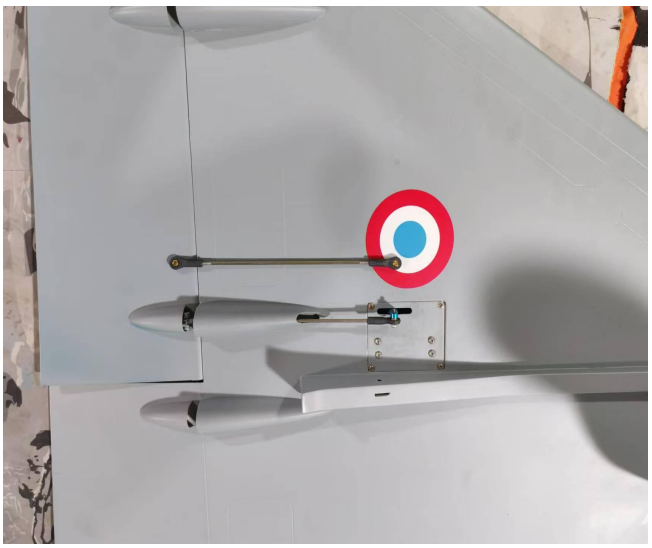


2. Fit servo and servo board with screws



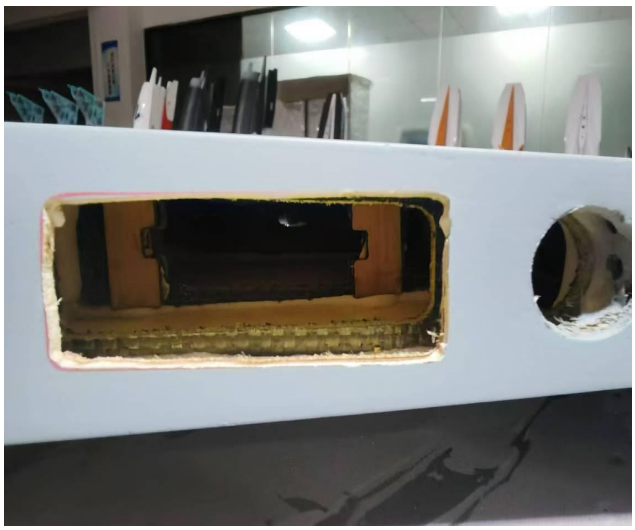
3. Install oppositely the fiber hron in aileron via glue. It will increase control Angle of aileron.

4. To connect the push rob and fiber hron



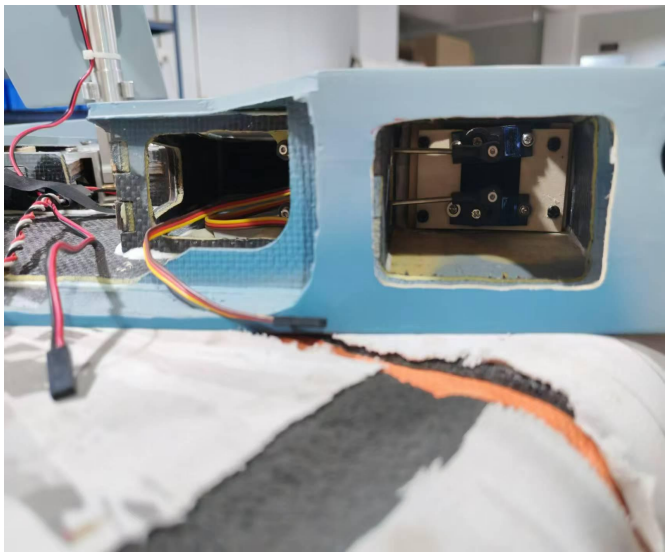
5. Install oppositely the fiber hron in flap via glue. It will increase control Angle of flap.

6. Put and install the servo of flap into this place.

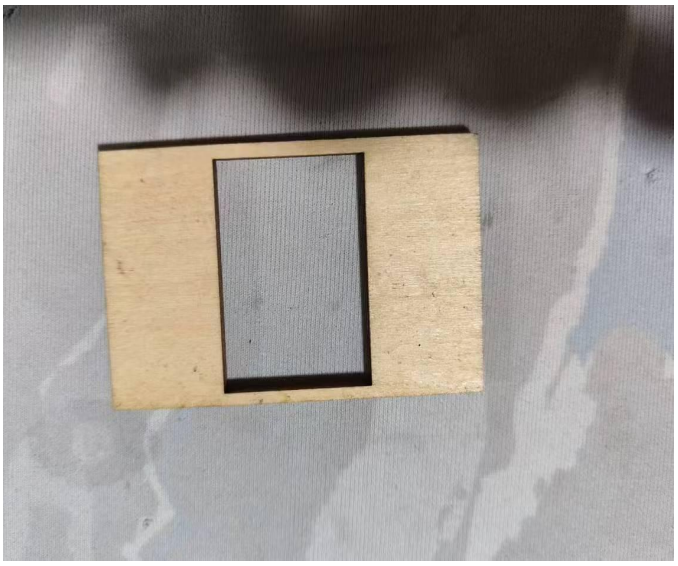


7. Make by self the holes. And connect servo and push rob

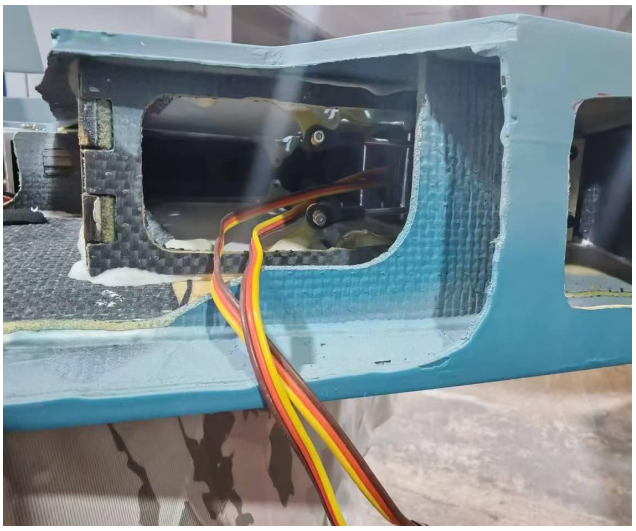
8. fit the wooden part in this place of hole. fit two servo on the wooden part.



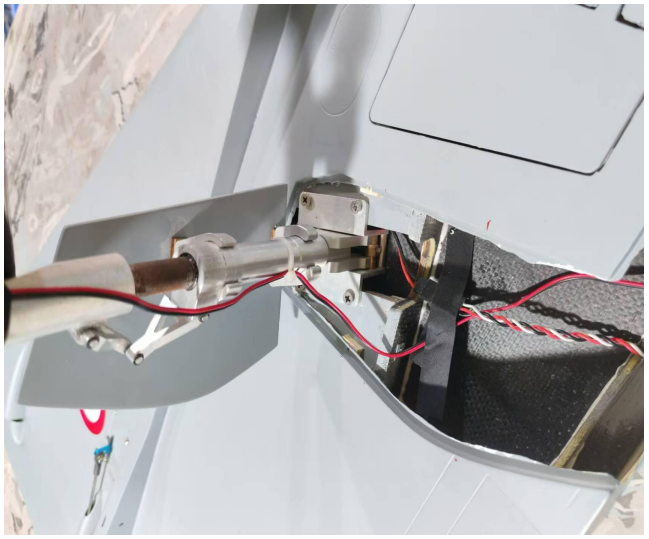
9. The wooden part as shown



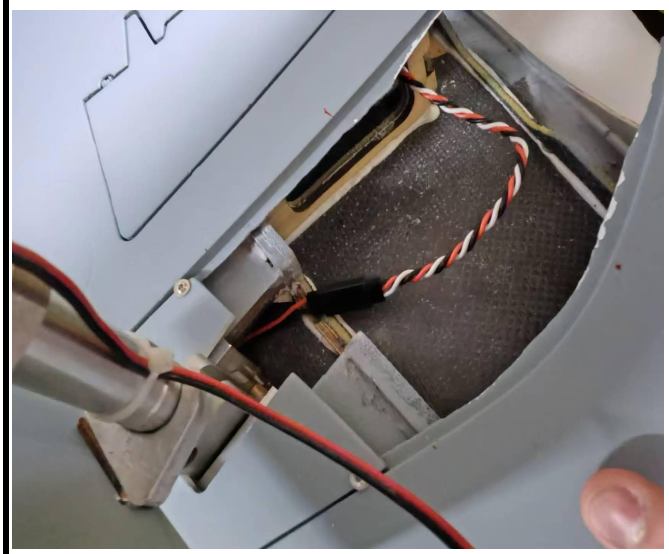
10. the speed brake connect with servo with push rob.



11. Fit the motor seat in wing via screws

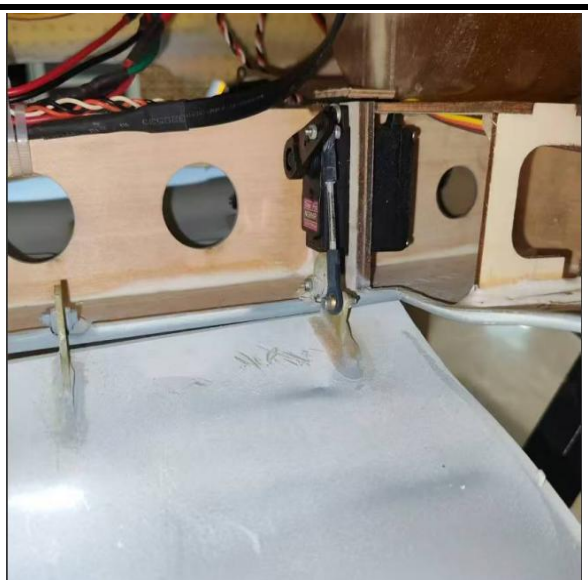


12.Fit gear door A on the wing via screws

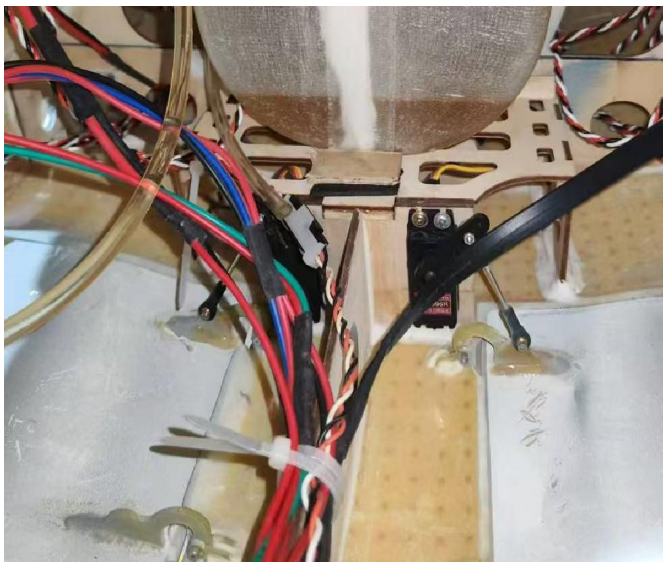


13. Fit the gear door B on the main gear door via screws.

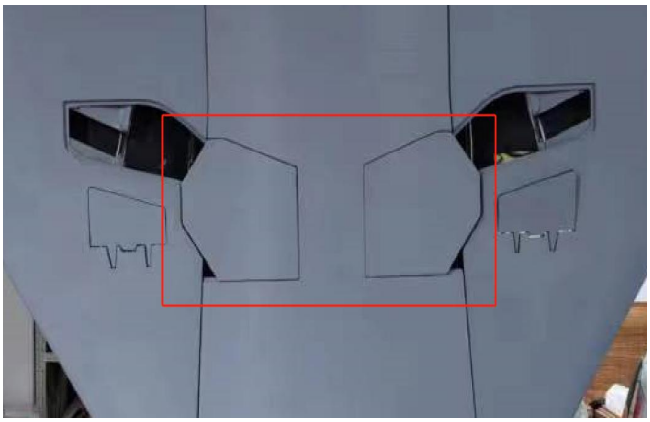
14. Connect the gear door C and servo with push rod.



15. fit the servo into the fuselage with screws.

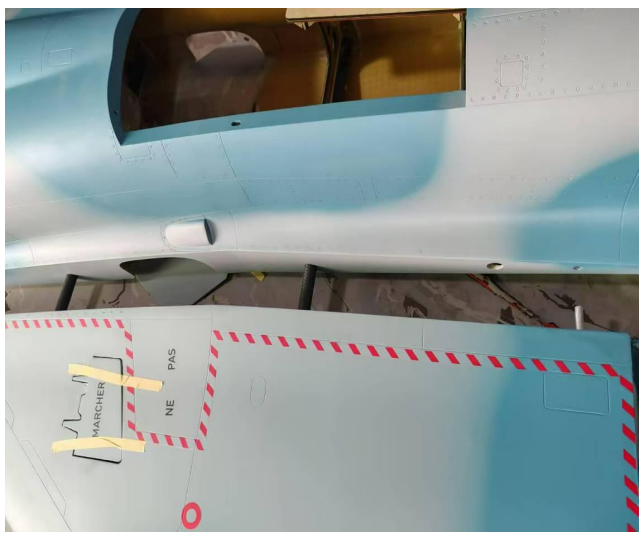


16. The gear door C as shown

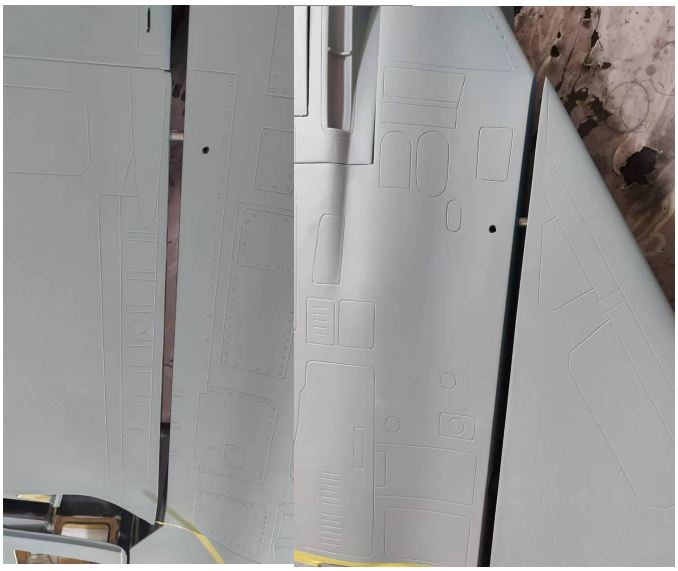


17. Connect the wing and fuselage as picture as shown

18.Connect the wing and fuselage as picture as shown



19. Lock the wing via the hole as like picture below

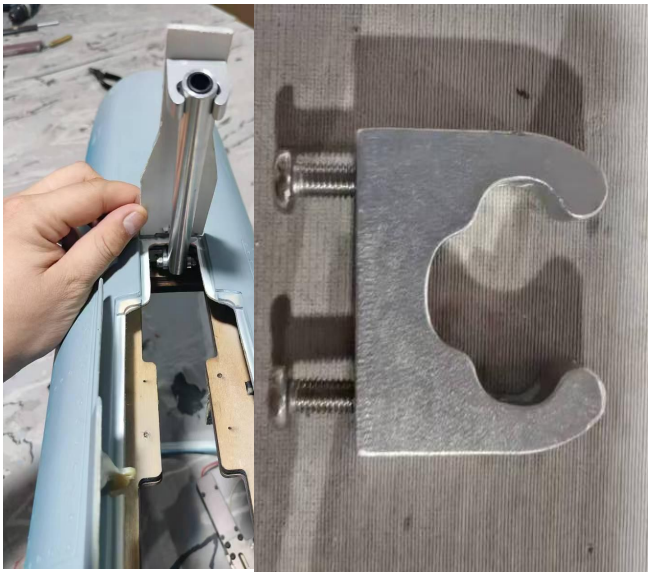


20. Lock the wooden frame via part like pictures

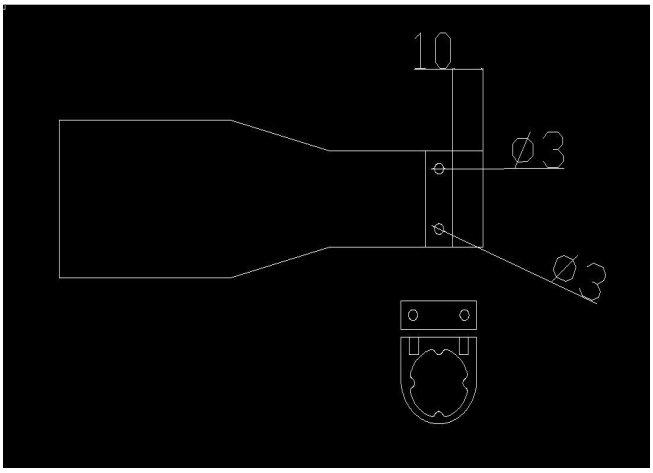
21. Locking picture as same as pictures

22 Install the retractable rod of the retract in the front fuselage via screws

23. Install the Alu fitted part on the gear door of the front fuselage. The part as the picture shown



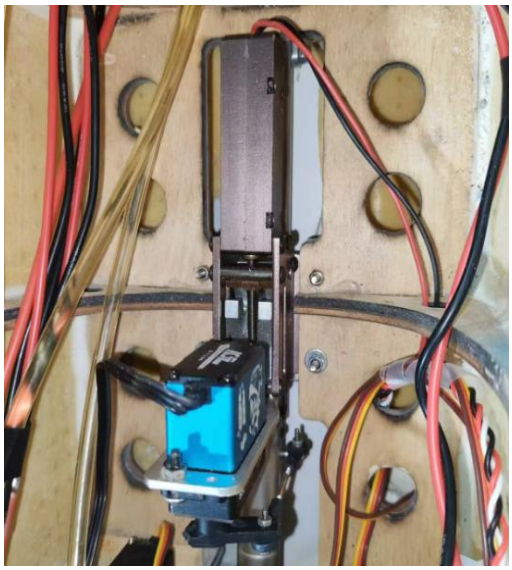
24. Installation distance and hole size of front gear door



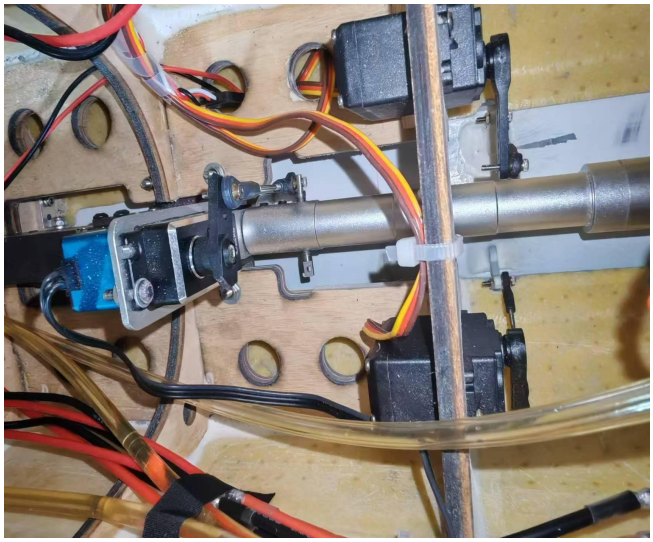
25 more picture about the installation of front gear door

26 fix the front retract with screws as the picture

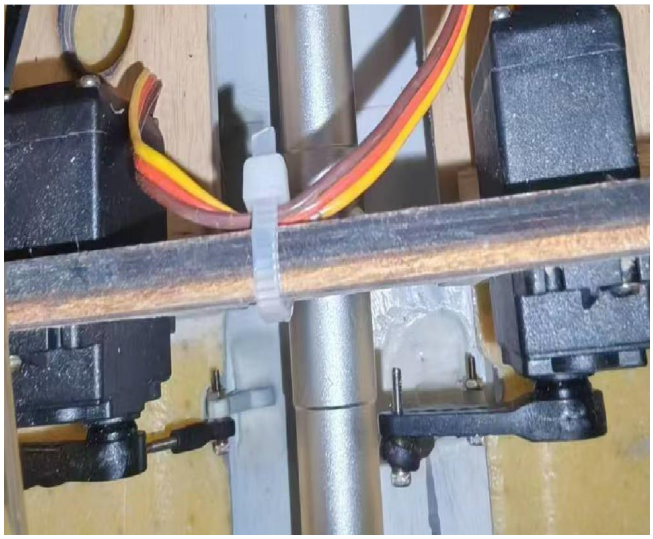
27 more picture about the installation of front retract



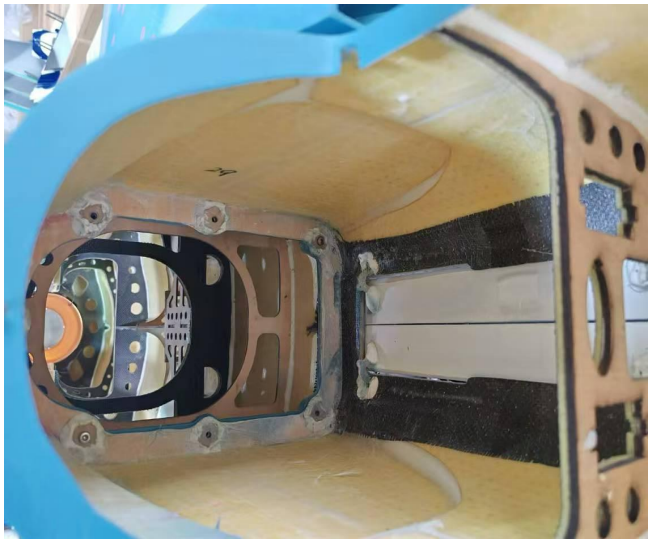
28 fix the servo of the front gear door with screw



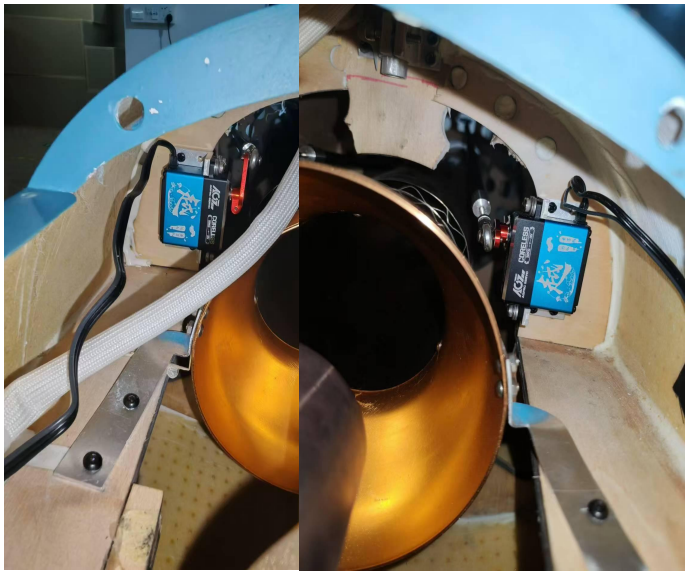
29 connect the push rob with horn and servo



30 Fix the front fuselage via installation screws hole

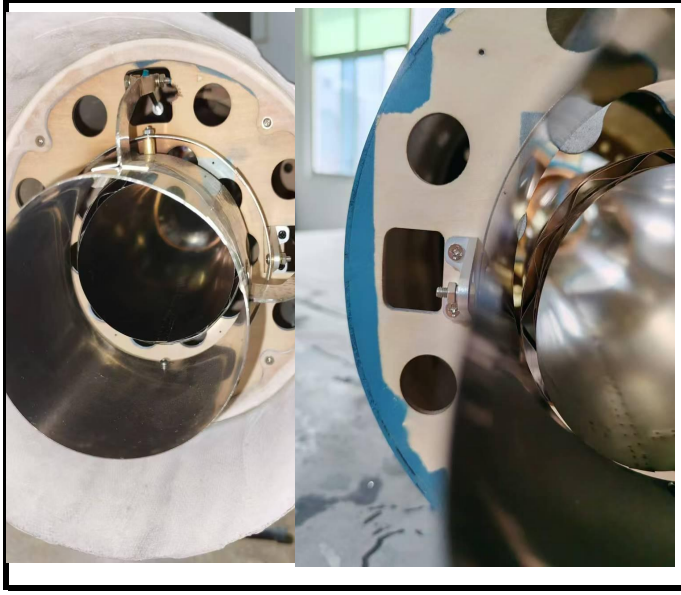


31 Install the servo of tail pipe in two side of midden fuselage

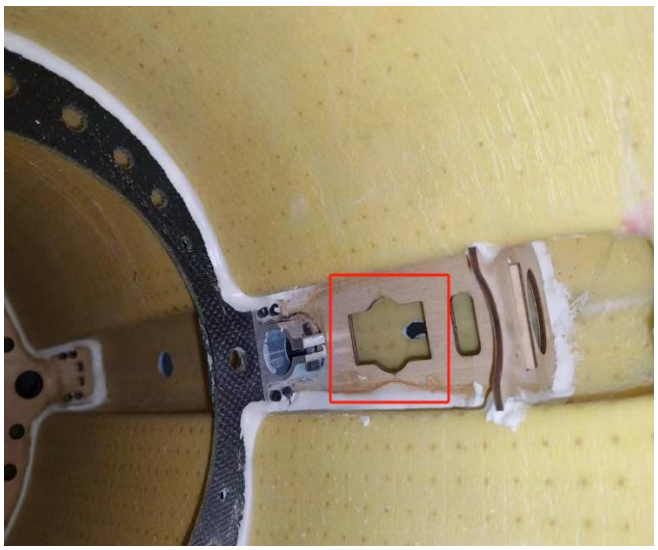


32 Fix the vector piep in the tail of fuselage

33 Connect the carbon fiber push rob with the vector and servo

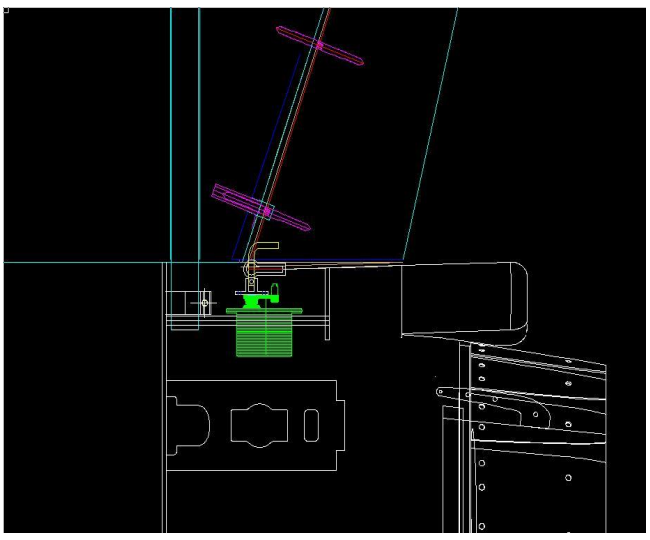


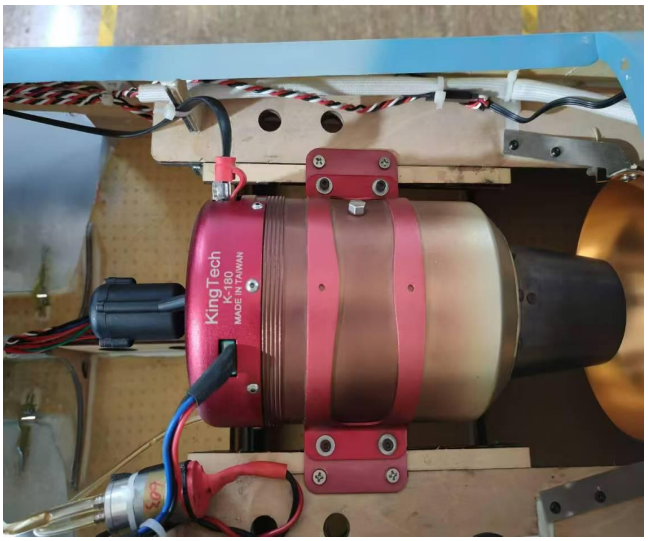
34 install the rudder servo in top of fuselage with screws



35 More picture about the rudder servo installation

36 More picture about the rudder servo installation



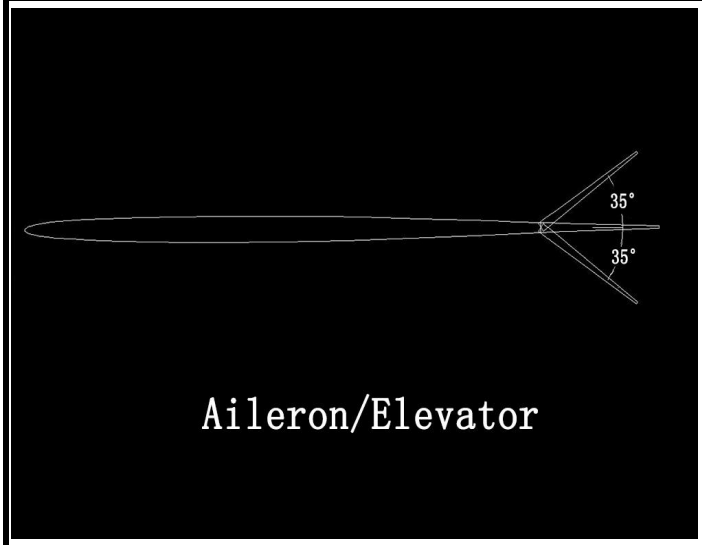
37 Lock the rudder via the two holes in the picture		**38 The pictures about the turbine installation**
		
		

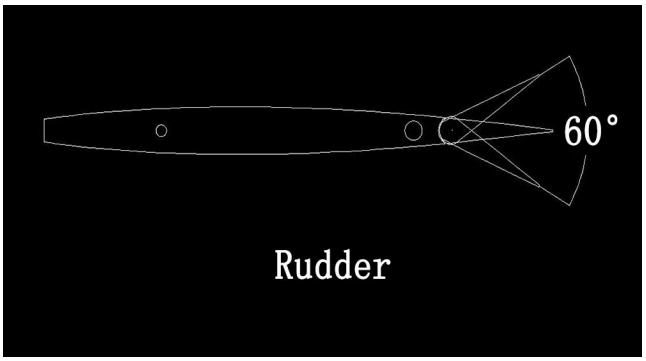
Thank you for the reading

Completed the installament of theMirage 2000

the diagrams. These values fit general flight capabilities.Readjust according to your needs and flight level. （The Aileron and Elevator are mixed-use to the surface of wing）

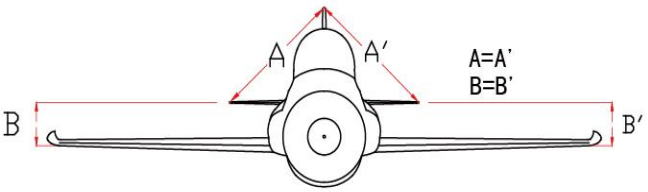
28. Adjust the travel of each control surface to the values in the diagrams. These values fit general flight capabilities.Readjust according to your needs and flight level.

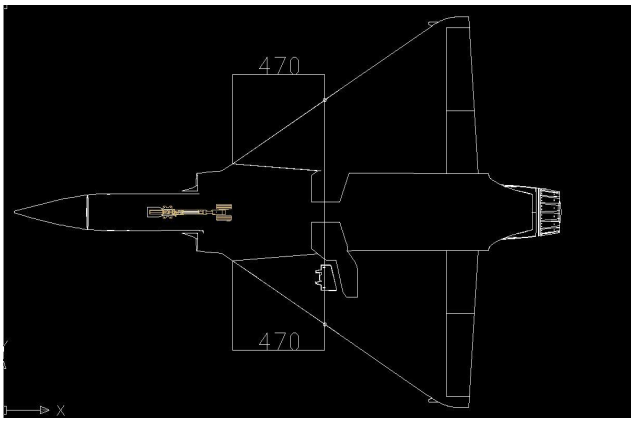




29.Check all the datas well. make sure all sections glue tightly. Otherwise if coming off during flights, you'll lose control of your airplane which leads to accidents!

30.C.G: Never fly before checking the CG's required position. Never fly the model without well balancing.





Instructions：

1. After power on, press the test button for the first time. All hatch LIDS must be open and all landing gear must be open. If any hatch not be opened, the positive and negative of the related servo should be set; If the landing gear does not open, you need to conver the motor plug on the control box. This step is very important, and only by this way can it match the timing set of the program.

2. When setting up the forward and backward direction of the servo, better to plug all retract mode button to the upposition (Mode 1).

3. When setting the blocking current, it is necessary to know that the corresponding indicator light will be off during the operation of the retractable motor. When the retractable and retractable stand is in place, the motor will stop and the corresponding indicator light will turn on at this time. If the motor stops running, the indicator light is still off, indicating that the set blocking current is too large. At this time should reduce the blocking current, to ensure that the motor after blocking, the corresponding indicator light is on. Otherwise, the electricity will be easily damaged .

Therefore, during the process of use, should pay attention to the state of the corresponding indicator light.

I. Working voltage: 6-8.4V (12V power supply for large landing gear, please contact the owner)

II. The blocking current is adjustable. It is suitable for all electric retraction racks under 35KG on the market.

III. The power supply voltage of the steering gear on the hatch cover can be set

IV.The forward and backward direction and stroke of the door servo can be set separately

V. Each gear door servo can be set with 2 modes of retracting separately (1. After the landing gear opened, the gear door will not be retracted; 2. Landing gear open, gear door retracted)

VI. Specification: three in one controller(74*64*15MM)