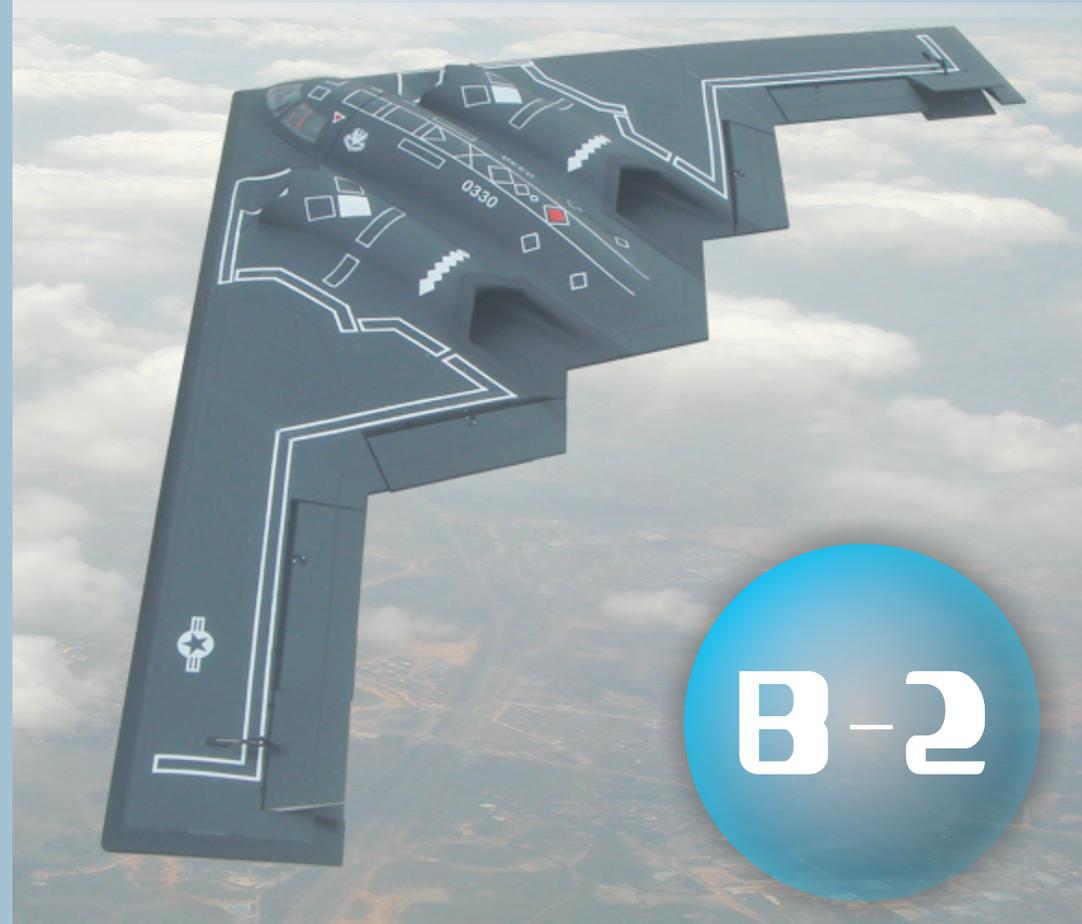


# Instruction Manual



**HEAD OFFICE:**  
HTTP: www.lxhm.us  
ADD: 4th floor F2 Chaohui Building No. 180 Huating  
Road Shuiwei Village Dalang Street Bao'an  
District Shenzhen China  
TEL: 086-755-81781620 36943520  
FAX: 086-755-81781620  
E-mail: sales@lxhm.us

**FLIGHT TEST CENTER IN TAIWAN:**  
HTTP: www.tw-flight.com  
ADD: No. 2 Zhenbang Street Qianzhen District  
Kaohsiung City  
TEL: 886-7-8419572 FAX: 886-7-8419571

## WARNING

An R/C model airplane is not a toy and is not suitable for flyer under 14 years old.  
Read the instructions carefully before any use.  
If you are a beginner, it is necessary to let an experienced airplane pilot assist you.

## WARNING

1. Do not fly near houses, buildings, children play areas, road traffic, rail ways and airports. Do not fly over people, power lines and pylons.
2. An ideal location for flying is a wide-open space in four directions with no people that could defer flying. (If using a model airfield, be sure to contact the airfield's administrator for permission.)
3. The battery should not be overcharged or put on the flammable material or near flammable material when it is being charged.
4. Always check that other pilots are not using the same frequency (band) in the same area before flight and make sure that you are flying in a safe area.
5. Do not fly in conditions that can impair your flight, i.e. : strong winds.
6. Do not try to catch the plane when it is flying.
7. The children who are younger than 14 years of age should be under the supervision of an experienced pilot, parent or guardian. Be prepared to take over if they are still new to fly.
8. This model aircraft is designed to be powered by an electric motor. Flying this model aggressively may lead to serious accidents or injuries.
9. Do not touch the propeller when the motor is running, it will lead to serious injuries.

Note: SKY FLIGHT HOBBY CO., LTD  
will not take any responsibility for damage or accident caused by the  
improper use of this model.

Thank you for purchasing B-2.

The B-2 is an electric ductedfan jet which is ideal for the intermediate or advanced Flyer.

In order to fly the B-2, please make sure you read through the instructions carefully before attempting to operate the model for the first time.

You alone are responsible for the safety, and the safe operation of your radio-controlled model. Young pilots should fly the models under the supervision of adults, or experienced pilots who are aware of the potential hazards.

Please keep these operating instructions in a safe place. If you ever sell, trade, or dispose of this model in any manner, please pass on the instructions to the new owner. If you have any questions in regarding to the safe operation, or possible precautions Please call your local hobby shop for professional advice.

Radio-controlled models are very demanding and potentially dangerous machines. They call for a high level of technical knowledge and skill from the operator.

Please always keep this instruction manual ready at hand for quick reference, even after completing the assembly.



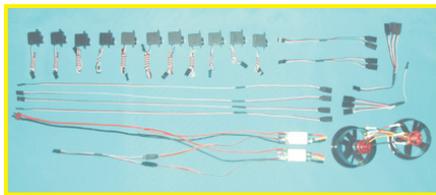
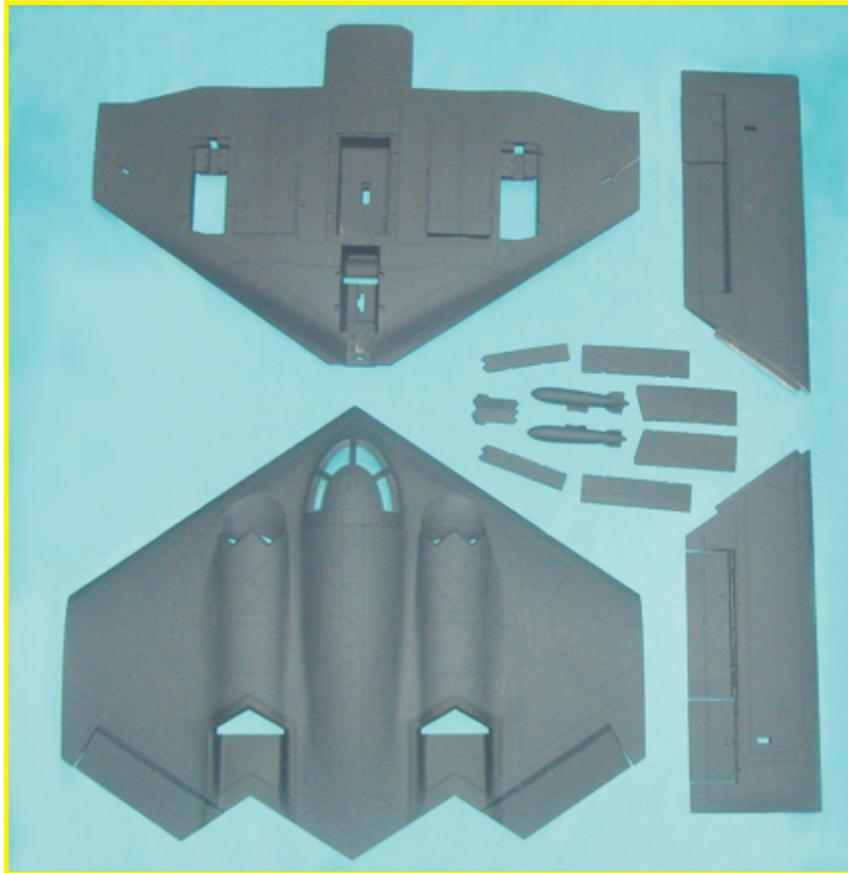
### Description:

Length: 700 mm      Flying weight: 1550g  
Wingspan: 1600mm   EDF Diametre: 64mm  
WingArea: 47.4 dm<sup>2</sup>   Thrust: ≥1600g

### The kits include:

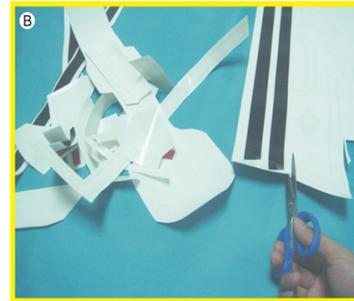
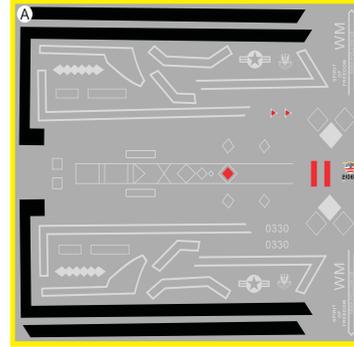
6CH 2.4G radio system  
2×30A brushless ESC  
11×9gram servos  
3500KV brushless motor  
5200mAh /14.8V 25C Li-Po battery

## Contents of kits (Part List)



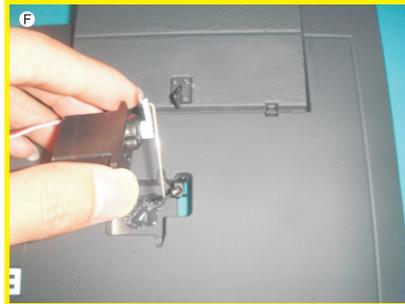
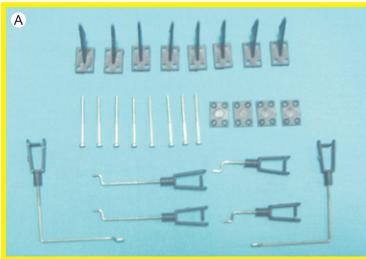
## 1. Beautification:

1. Clip the decal according to the pattern, then put into the water. When they are wet thoroughly, take the decal out.

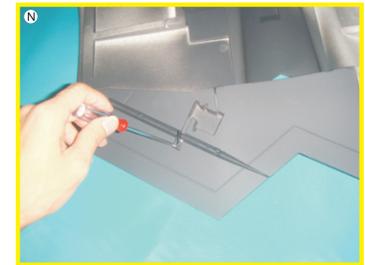
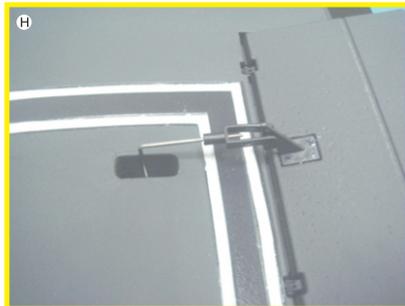


2. After one minute, the pattern could separate from the backing paper by itself. At this moment, pls make the position on the surface where we will stick the decal on the model wet (so that we could reglate it). Then we will stick the pattern on it. When it is finished, wipe the water on the paper and around.

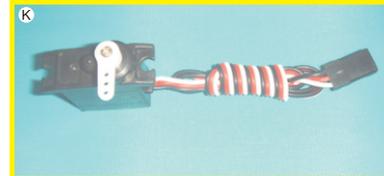
2. Operation parts installation:



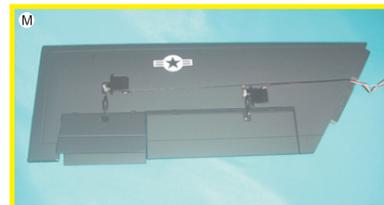
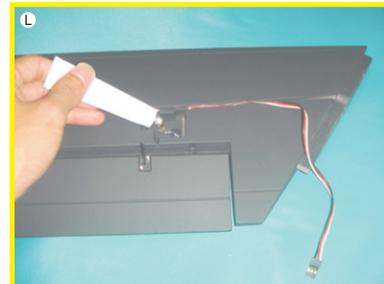
D. The length of rudder servo (2pcs) is 450mm



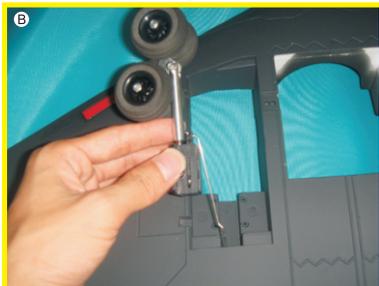
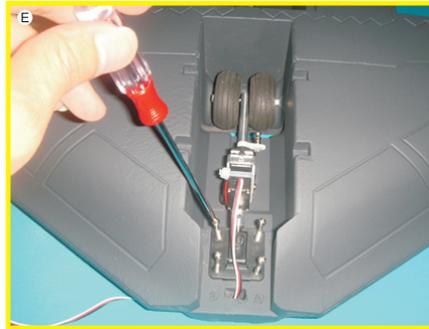
K. The length of aileron servo (2pcs) is 250mm



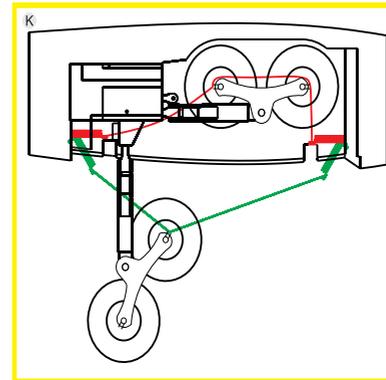
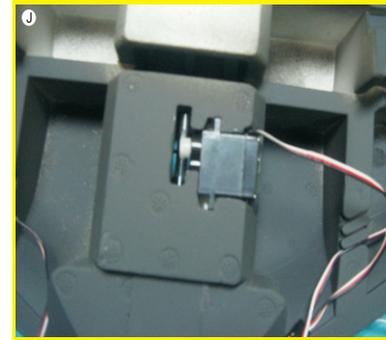
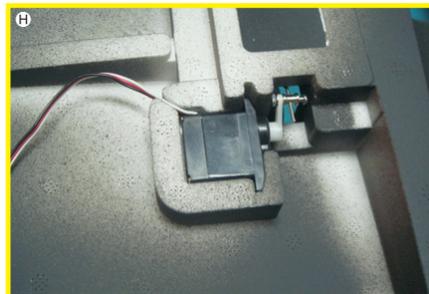
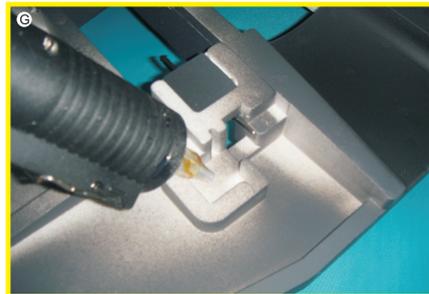
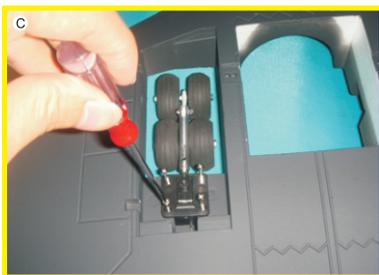
P. The length of elevator servo (2pcs) is 600mm



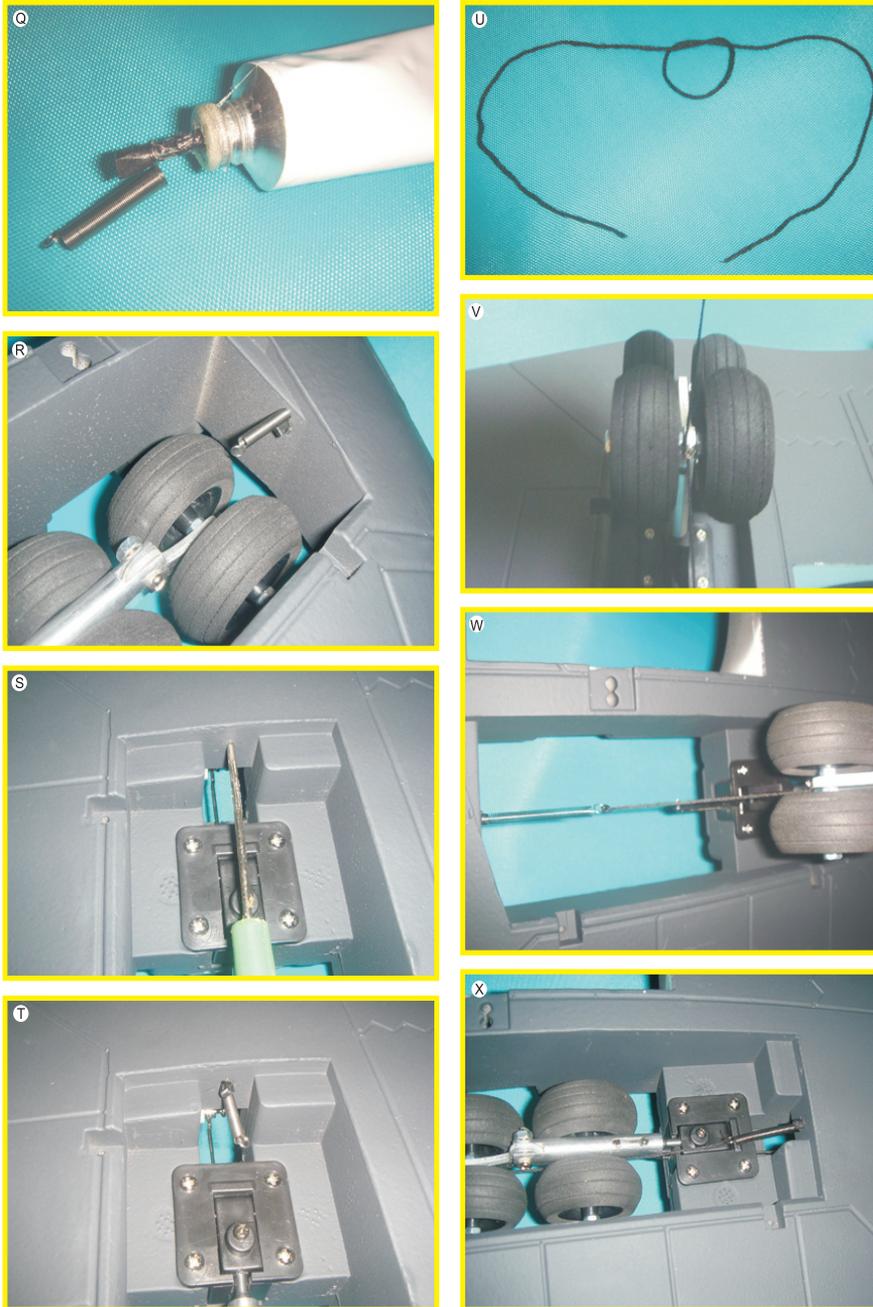
3. Moving part of retracts installation :

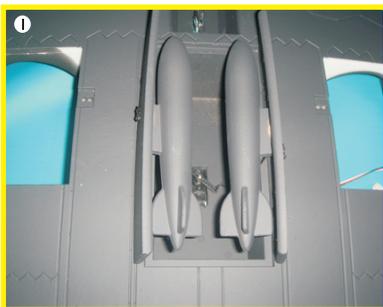


F. length of front retracts servo (1pcs) is 150mm  
length of back retracts servo (2pcs) is 500mm  
(the right servo is reversed)

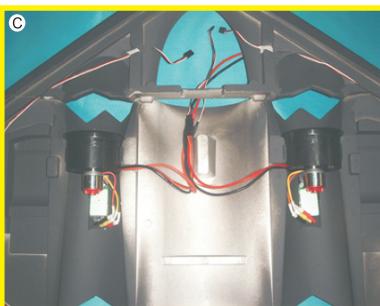


4. Bomb Door Installation:

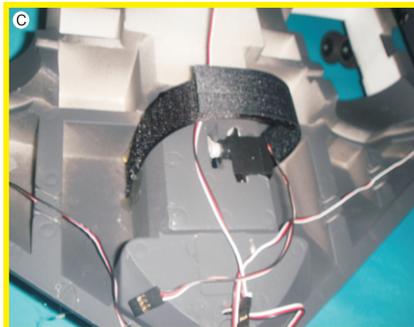




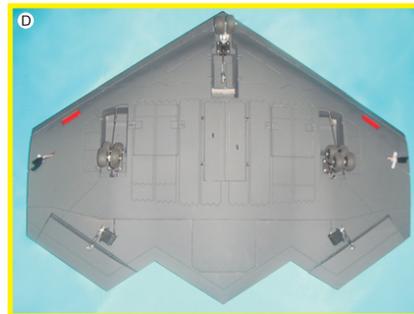
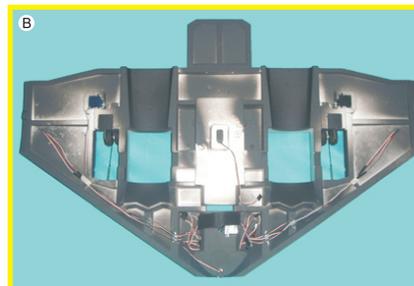
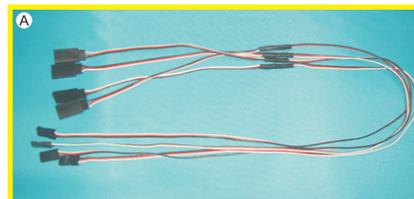
5. ESC and ductedfan installation



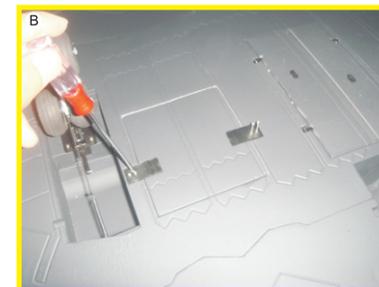
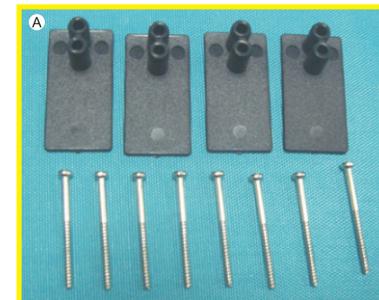
6. The stick of battery fixed strap



7. After finishing the assembly of the 4pcs extending wire (the length is 550mm, 2pcs for aileron servo, 2pcs for rudder servo), glue the up and down fuselage together.



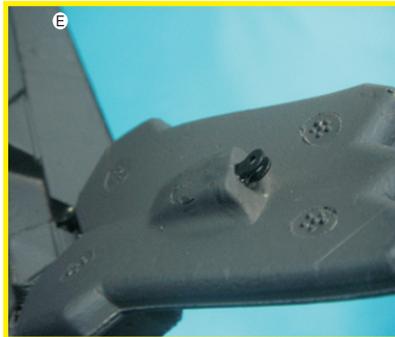
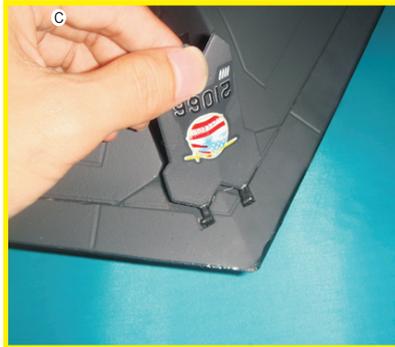
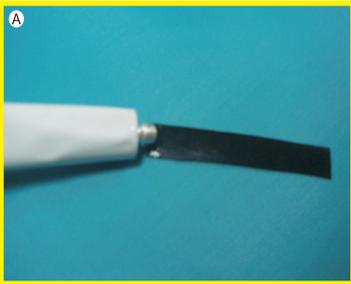
8. EDF cover installation:



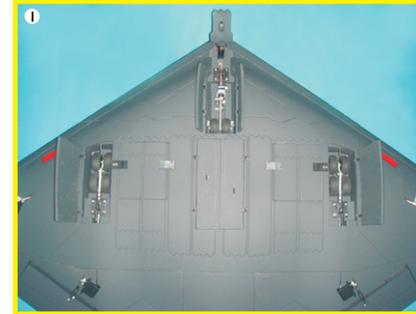
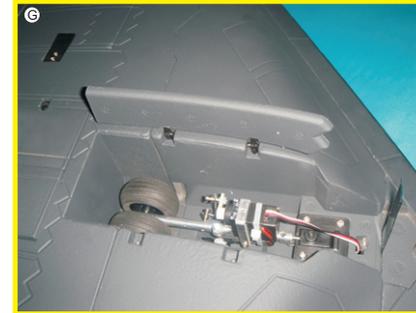
9. When assembling the front retracts servo, pls cut off the redundant of the servo mounting according to the u mounting



10. Installation of protective plate of front retracts door



11. Retracts door installation:



12. The fixed string position of front retracts door is below



13. The fixed string position of back retracts door is below



14. The connection of wings and fuselage



15. The connection of wing servo wire



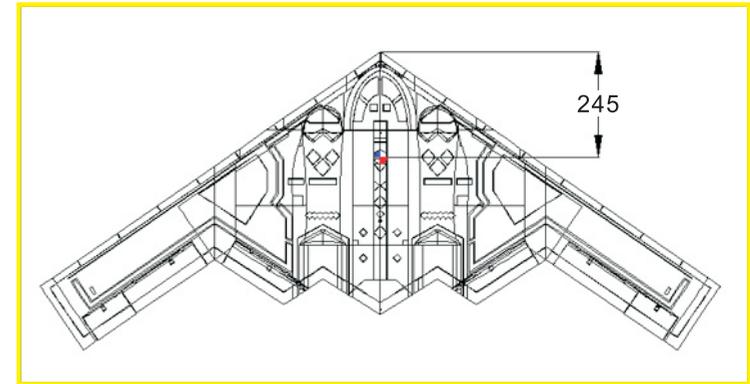
16. Battery installation is as below



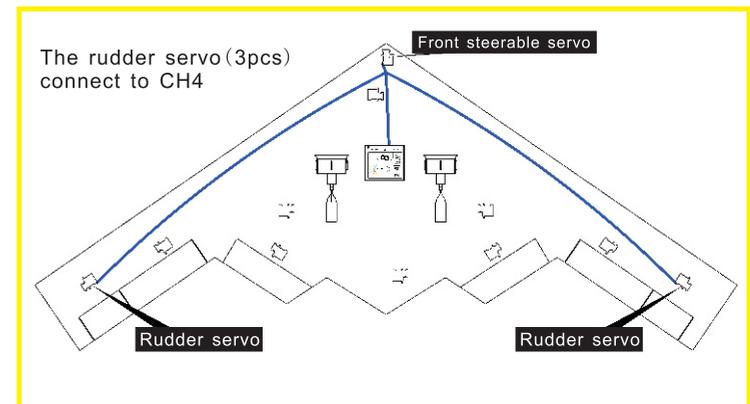
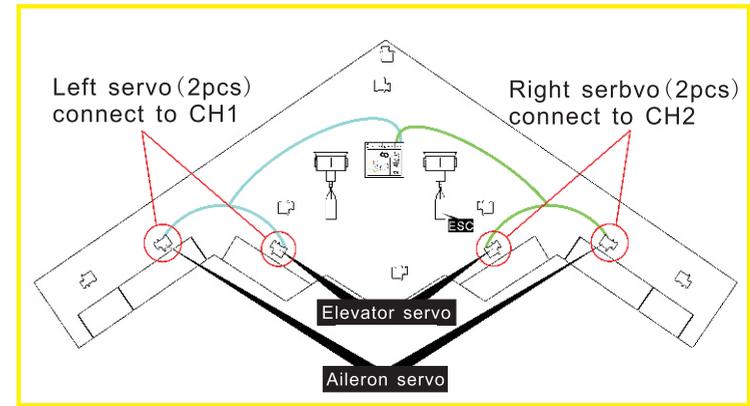
17. Installation finished:

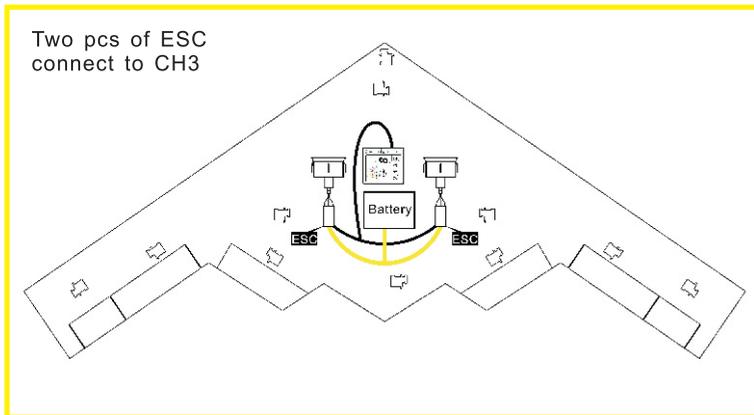
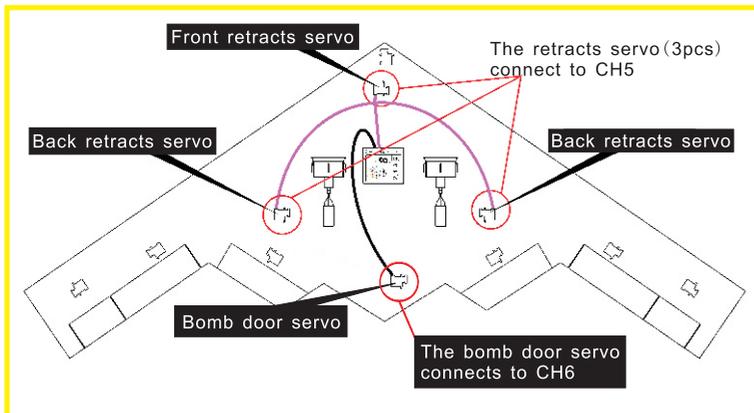


18. Position of CG :



19. Circuit connect is as below





**WARNING :Pls close the retracts at low speed in the air.**



### B-2 Pre-Flight Check

1. Check carefully that every part of the plane is installed properly.
2. Always check that there are no other pilots using the same frequency in the same area.
3. Please switch on the power of the transmitter before connecting the battery. Make sure that the battery is fully charged.
4. Check that the plane responds properly to the control signals.
5. Extend the transmitter antenna all the way and test the range of the radio signal. With the transmitter and model switched on, step back around 20m and test the interference. If there is no interference, the plane is ready to fly.

### Helpful Tips:

1. Train yourself in a flight model simulator before you fly. It will help your coordination when flying
2. Try to fly at low speed and in an area where you can land quickly if anything goes wrong. Also, get used to the controls when it is facing away from you because when it faces you, the controls are reversed.
3. Flying with the assistance of an experienced flyer will help your first flight.
4. Do not ever fly in strong winds.
5. Always face the wind when taking off and landing.
6. Do not fly the plane across your head which may lead to confusion and disorientation
7. Please consider purchasing extra battery packs for longer flights.
8. Do not fly this plane with broken parts or damaged parts. This may result in accidents and/or injuries. Please contact our local dealer for spare parts to replace.

### Problem Solving

Phenomenon	Typical error	Problem solving
Motor do not work	The battery is not full charged The battery of the transmitter is in low power. There is some broken circuit in the plane	Charge the battery Replace the battery in the transmitter. Contact your local dealer
Can not fly in a line	The rudder is not in the center of the fuselage The main wing is not installed in the center. The nose landing gear is twisted.	Adjust the trim on the transmitter. Reassemble the main wing. Verify the nose landing gear.
Can not climb	The battery is not fully charged. Elevator is tilted downward.	Charge the battery. Adjust the trim on the transmitter.
Short control distance	The battery of the transmitter is in low power. The antenna is not fully extended.	Replace the battery of transmitter. Extend the antenna fully.