



Instruction Manual

Sun Bird

SPECIFICATION

Wingspan : 1600mm
Length : 850mm
Flying Weight : 450-650g

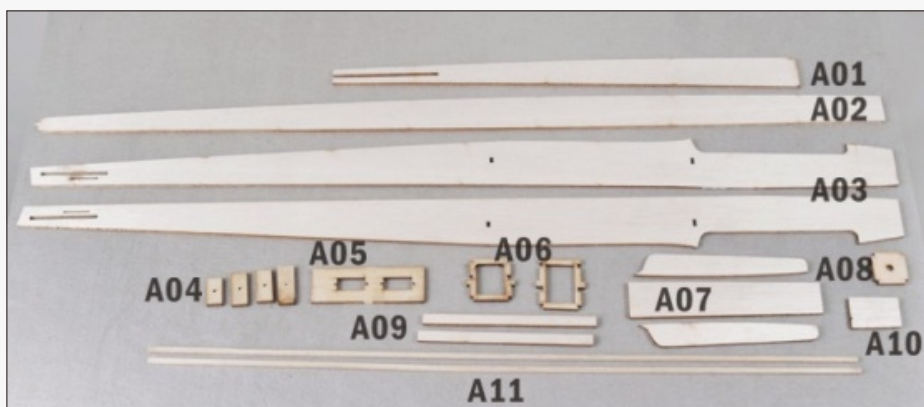
Suggested Equipment:

Motor : C20 1550kv
ESC : 15A
Prop : 8 inches folded propeller
Servos : 9g*4
Battery : 3S 1300mAh
Radio : ≥4CH

TOOLS NEEDED

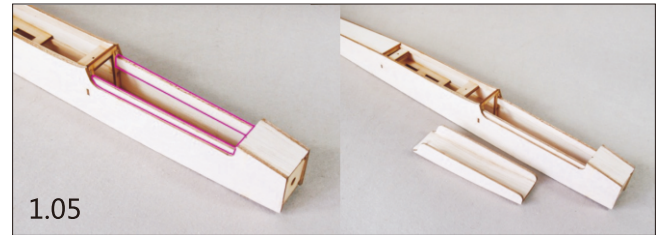
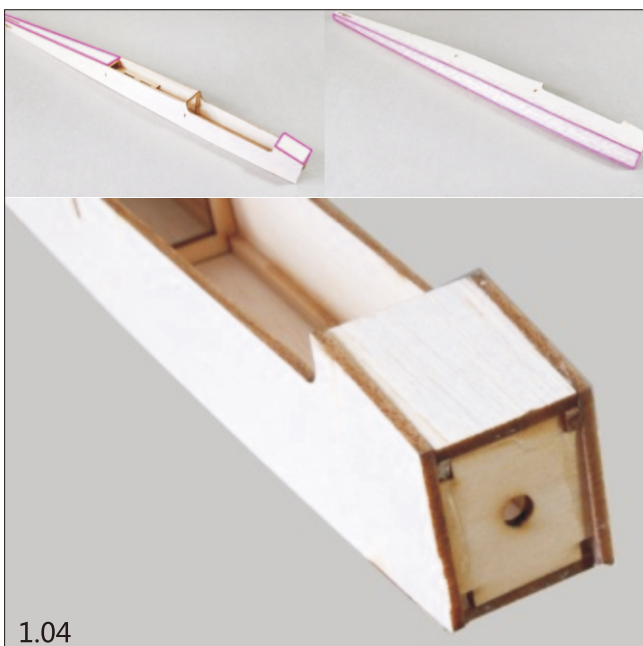
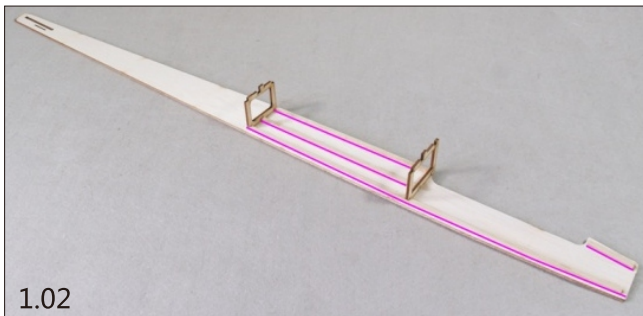
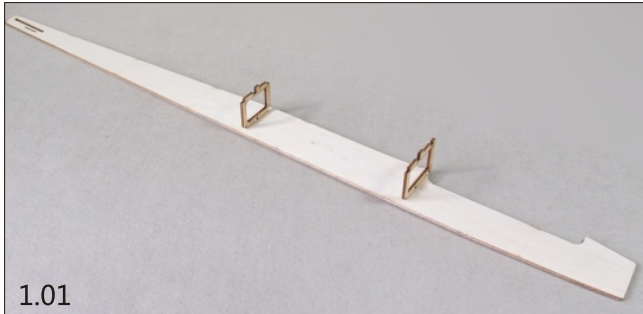
Hobby Knife
Heat Source(Soldering iron & Lighter)
Foam glue
CA glue

1.ASSEMBLE THE FUSELAGE



- A01.Fuselage tail board
- A02.Fuselage bottom board
- A03.Fuselage side board
- A04.Supporting base for wing
- A05.Servo mounting base
- A06.Bulkhead
- A07.Cabin components
- A08.Motor mounting base
- A09. Cabin slot pieces
- A10.The head board
- A11.Reinforcing pieces for fuselage

ASSEMBLE THE AIRPLANE



1.01 Assemble the bulkhead (A06) to the fuselage side board (A03).

1.02 Cut off the reinforcing pieces (A11), and assemble to the fuselage side board (A03). There are totally five pieces as picture shows.

1.03 Assemble the reinforcing pieces accordingly the other side, then fix the servo mounting base (A05).

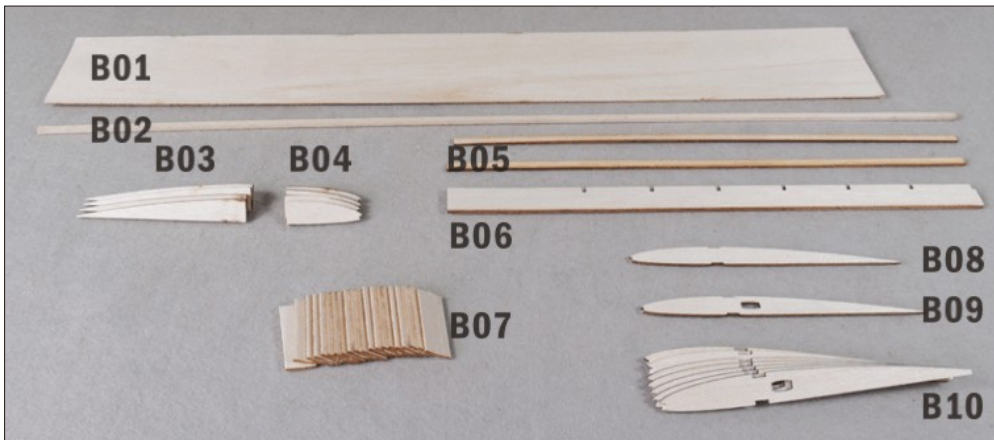
1.04 Assemble the fuselage bottom board (A02), cover the boards (A01.A10) and fix the motor mounting base (A08).

1.05 Assemble the cabin slot (A09) and cabin cover (A07).

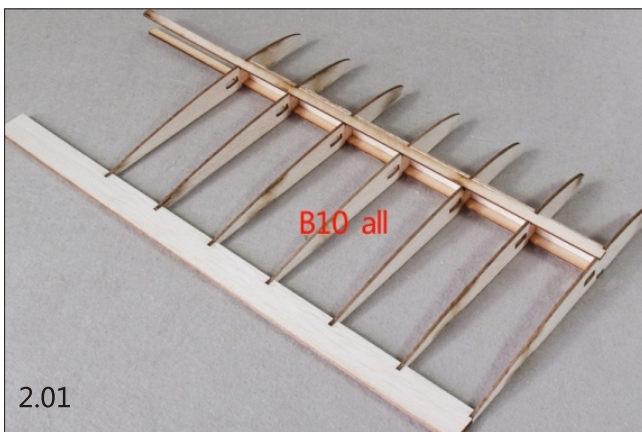
1.06 Overlay the supporting bases for wing (A04) and fix onto the fuselage, then the whole fuselage finished.

ASSEMBLE THE AIRPLANE

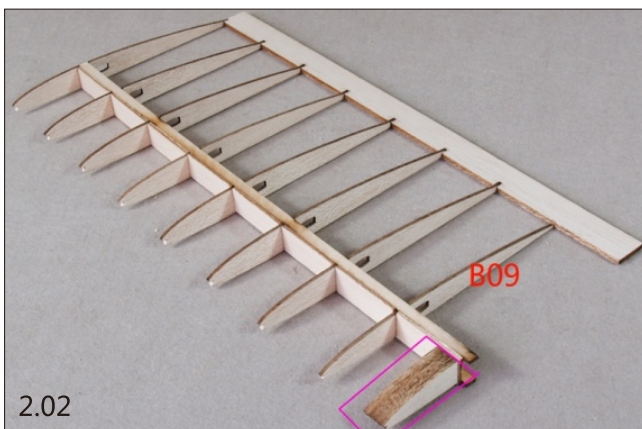
2.ASSEMBLE THE WING



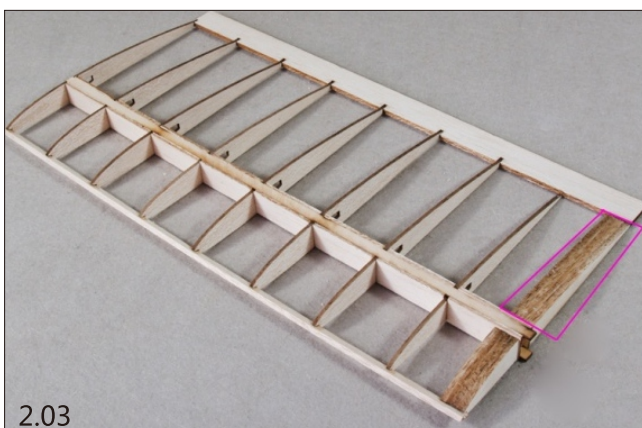
B01.Wing board
B02.Wing leading edge
B03.B04.B08.B09.B10
Wing rib
B05.Wing reinforcing pieces
B06.Trailing edge
B07. Web



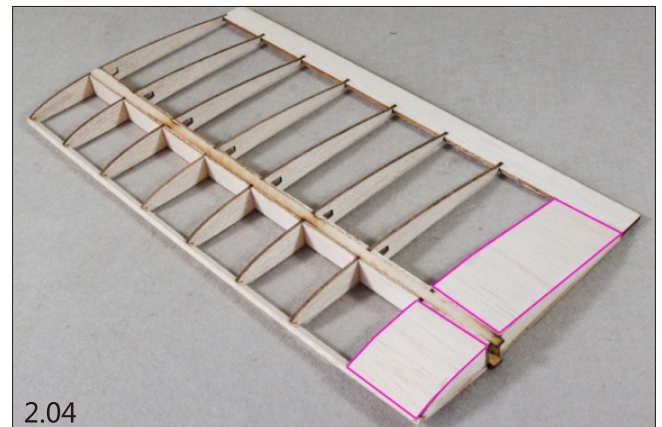
2.01



2.02



2.03



2.04

Assemble the Wing part B

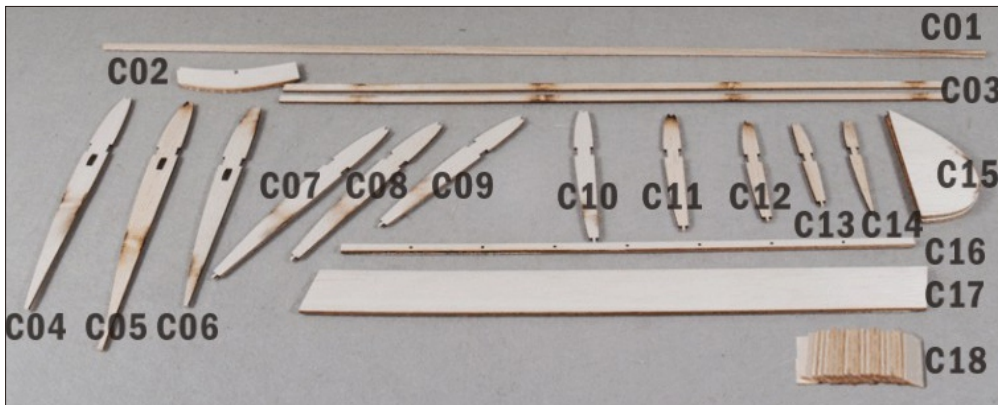
2.01 Compose the 7pcs ribs (B10) as picture show, and assemble the trailing edge (B06) and reinforcing pieces (B05), there are only 2pcs webs in the middle of the ribs.

2.02 Assemble the rib (B09), and overlay the 4pcs ribs (B04) together, then stick to the wing.

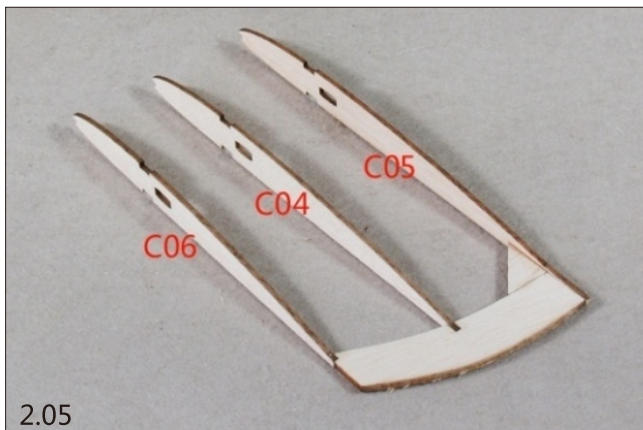
2.03 Stick the 4pcs ribs (B03) to the wing, then assemble the leading edge (B02).

2.04 Cut off the boards same as the size picture shows, and stick to the double sides of the wing. Then the wing part B is finished.

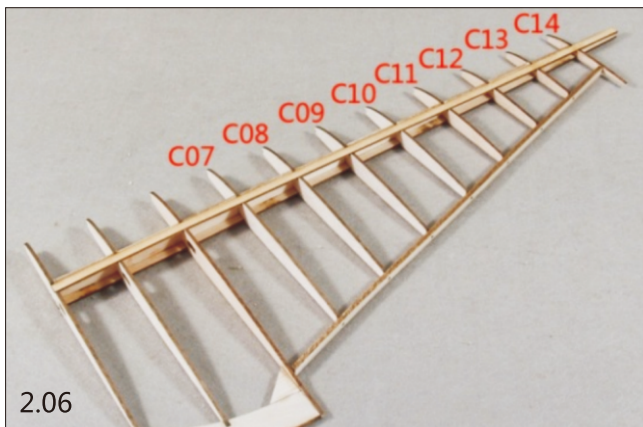
ASSEMBLE THE AIRPLANE



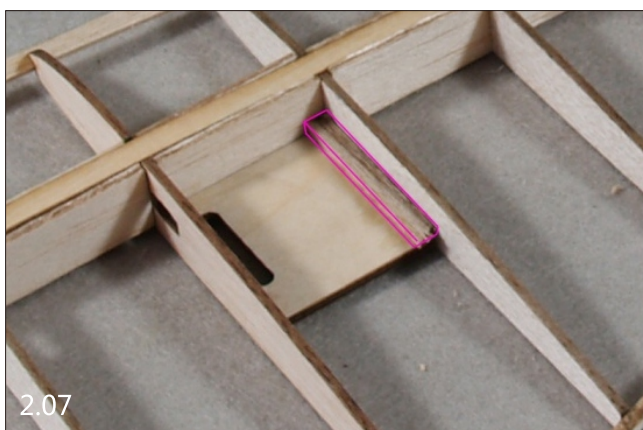
C01.Wing leading edge
C02.C16. Trailing edge
C03.Wing reinforcing pieces
C04-C14. Wing rib
C15. Wing tip
C17.Aileron
C18. Web



2.05



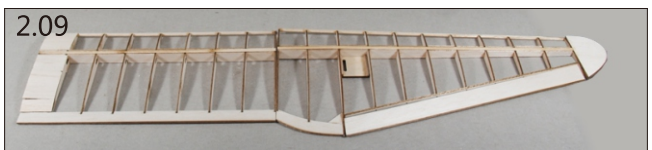
2.06



2.07



2.08



2.09

Assemble the Wing part C

2.05 Assemble the ribs (C06.C04.C05) onto the trailing edge.

2.06 Compose the ribs from big to small, and insert the tail part to the trailing edge (C16), there are webs between the ribs, pls compose from broad to narrow.

2.07 Stick 2pcs reinforcing pieces between the ribs (C05.C07), and fix the servo mounting base with screws.

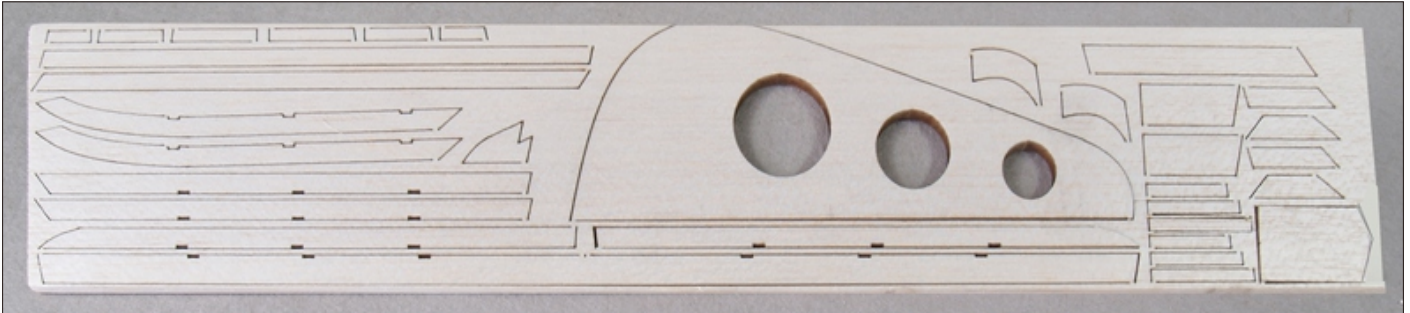
2.08 Overlay the 2pcs rib tips (C15) and fix onto the wing, then the Part C is finished.

2.09 Dig a hole with knife on ribs between B and C, then fasten the latch with glue.

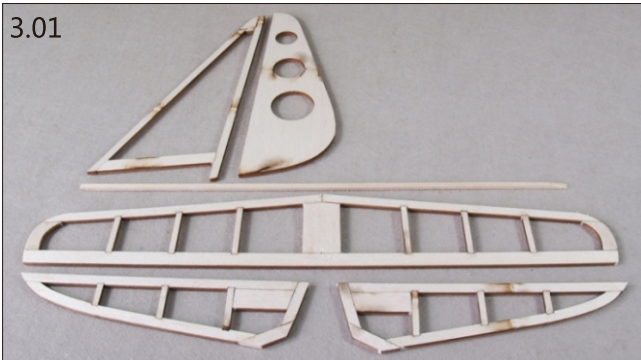
Use the same method to make another wing.

ASSEMBLE THE AIRPLANE

3.ASSEMBLE THE TAIL FIN



3.01



3.01 Remove all the tail fin parts and compose together as picture show.

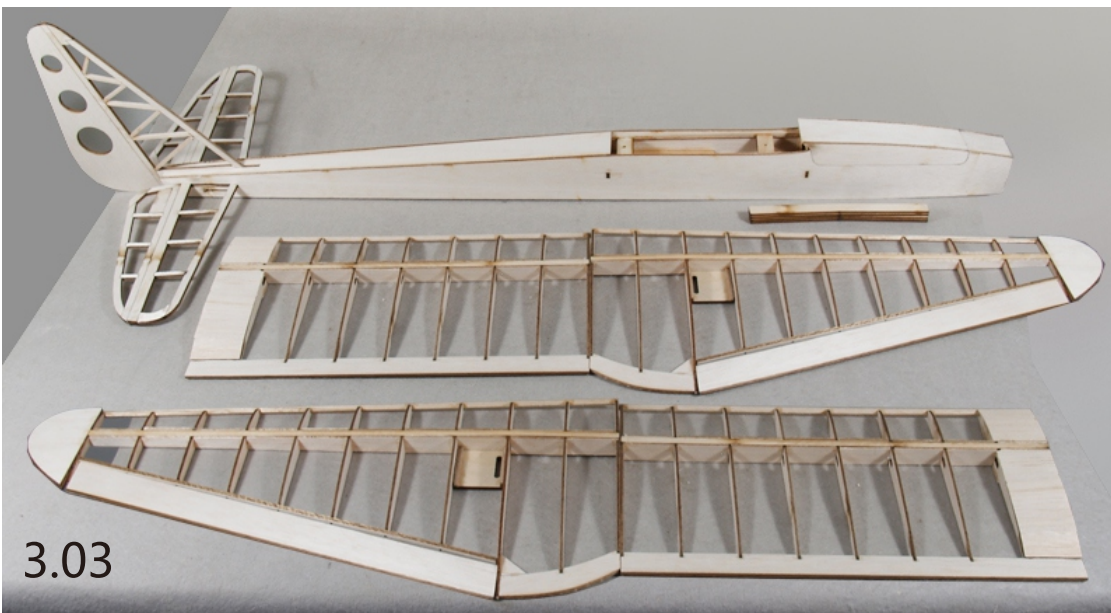
3.02 Cut off the reinforcing pieces into several segments and fix onto the middle place on the vertical tail.

3.03 Here the KIT fuselage is finished; next step is polish and cover.

3.02

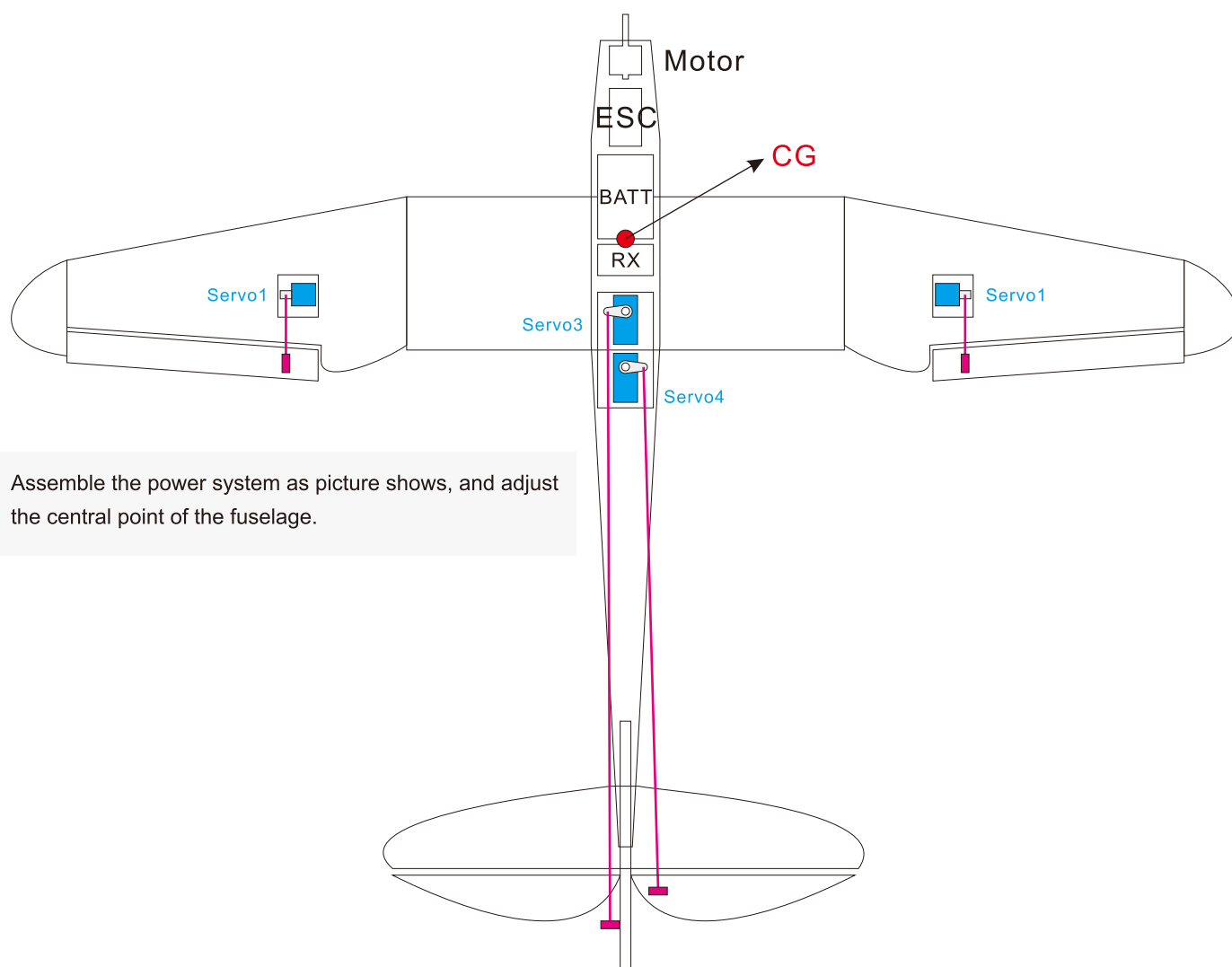


3.03



ASSEMBLE THE AIRPLANE

4.ASSEMBLE THE POWER SYSTEM



Assemble the power system as picture shows, and adjust the central point of the fuselage.