F4U CORSAIR

Item Nr: CY8018

Instruction Manual

Before commencing assembly,please read these instructions thoroughly.

ALMOST - READY - TO - FLY

⚠ **Warning!**

SAFETY PRECAUTIONS
This radio control model is not a toy!

- First-time builders should seek advice from people having building experience in order to assemble the model correctly and to produce its performance to full extent.
- Assemble this kit only in places out of children's reach!
- Take enough safety precautions prior to operating this model. You are responsible for this model's assembly and safe operation!
- Always keep this instruction manual ready at hand for quick reference,even after completing the assembly.
- Could cause serious injury or even death

SPECIFICATION

Wing Span: 2400mm (94.5in)
Wing Area: 106.7dm^2 (1654.5sq.in)
Total Length: 2165 mm (85 in)
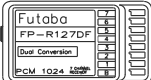Engine :100cc gas engine
Radio : 6-7 channels ,11 servos

REQUIRED FOR OPERATION (Purchase separately)

1 A minimum 6-7channel radio for airplanes (with 11servos). And dry batteries.

⚠ CAUTION: Only use a minimum 6-7channel radio for airplanes! (No other radio may be used!)

A minimum 6 channel transmitter for airplanes.

Futaba
FP-R127DF
Dual Conversion
PCM 1024

12 AA-size Batteries   **receiver**   **remote control**
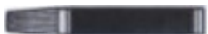
For handing the radio properly.refer to its instruction manual.

2 Battery (need 2)   Switch (need 2)

3 Servo(need 11servos)

4 Engine and Muffler
Model Airplane engine:100cc gas engine

Muffler

5 Glue

Epoxy B
Epoxy A
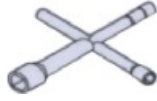
Epoxy Glue   **Instant glue**

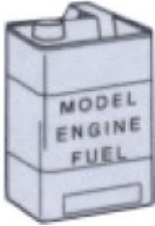**6** required for engine starting   Glow engine fuel only.

⚠ WARNING: Normal gasoline cannot be used with glow engines.
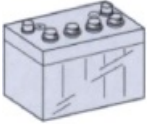
Fuel Pump   **Plug Wrench**

MODEL
ENGINE
FUEL
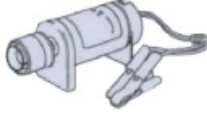
7 Silicone Tube   Fuel Filter

8 Other equipment for enhancing airplane operation & perormance
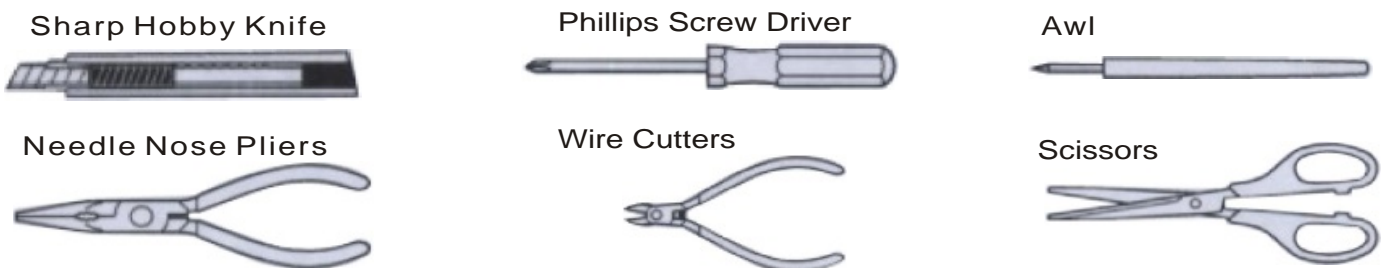
Engine Starter   **12V Battery (for starter)**

9 Purchase a propeller that will match your engine

TOOLS REQUIRED (Purchase separately)

Sharp Hobby Knife   **Phillips Screw Driver**   **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.

A B		Apply epoxy glue.

→ **2mm** Drill holes with the specified Diameter(here:2mm)

✗ Must be purchased separately!

⚠ Warning!

20Z **C.A** Apply instant glue (CA glue,super glue).

Ensure smooth non-binding movement while assembling.

➤ Pay close attention here!

Do not overlook this symbol.

L/R Assemble left and right Sides the same way.

Cut off shaded portion.

Cut off excess.

⚠ Accessory list for this page.

2.5X85mm rod - - - - - - 6
3mm screw - - - - - - 6
4X35mm screw - - - - - - 6
3X10mm Screw - - - - - - 6
Hinge - - - - - 16
Hinge - - - - - 4
3mm Lock nut - - - - - - 6

Horn - - - - - - 6
- - - - - - 6
Rod adjuster - - - - - - 12
Connecting rod head - - - - - - 6
2.3X10mm Tp screw - - - - - 6
3X14mm Screw - - - - - - 6

3 Install the aileron and flap

L/R

Make sure hinges are mounted in the same line

Aileron   Flap

Hinge - - - - - 8
Hinge - - - - - 4

1 Install the elevator glue the hinges with Epoxy

Bottom view

L/R

A B

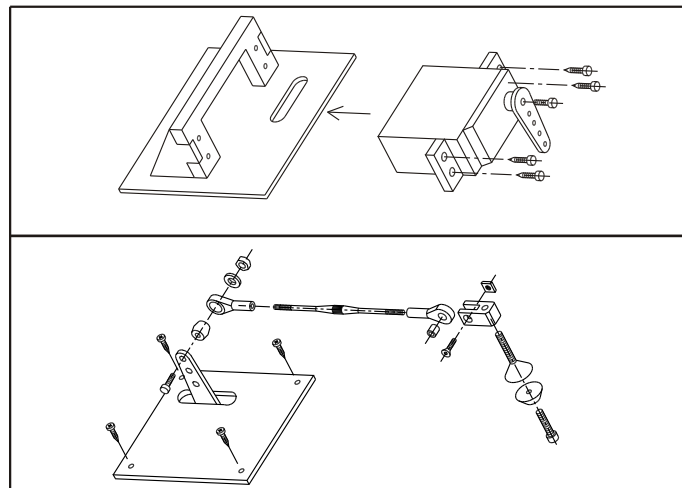**Make sure hinges are mounted in the same line**

Hinge - - - - - - - 8
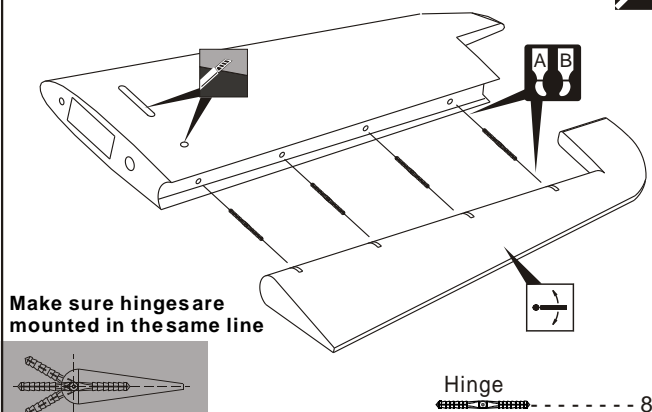
4 Install the aileron and flap servo

2 Install the elevator servos

3mm screw - - - - - - 2
4X35mm screw - - - - - - 2
3X10mm Screw - - - - - - 2
3X14mm Screw - - - - - - 2
3mm Lock nut - - - - - - 2

Horn - - - - - - 2
- - - - - - 2
Rod adjuster - - - - - - 4
Connecting rod head - - - - - - 2
2.5X85mm rod - - - - - - 2

5

L/R

2.3X10mm Tp screw - - - - - 6
3X14mm Screw - - - - - 4
3mm Lock nut - - - - - - 4

2.5X85mm rod - - - - - - 4
3mm screw - - - - - - 4
4X35mm screw - - - - - - 4
3X10mm Screw - - - - - - 4

Horn - - - - - - 4
- - - - - - 4
Rod adjuster - - - - - - 8
Connecting rod head - - - - - - 4
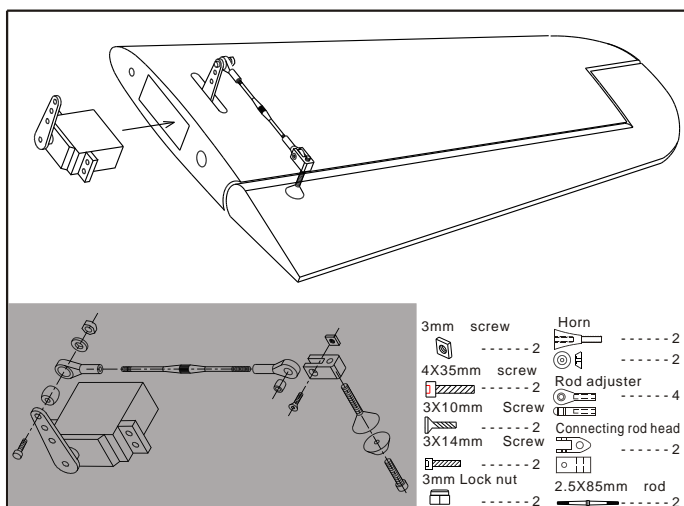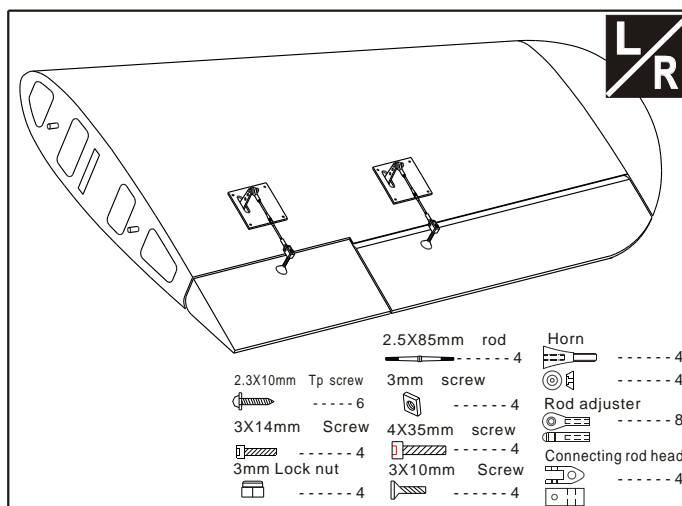
⚠ Accessory list for this page.

4X50mm screw ------ 2
3X10mm Screw ------ 2
3X14mm Screw ------ 2
3mm Lock nut ------ 2
3mm screw ------ 2
6mm Bind nut ------ 4
Hinge ------ 8

Horn ------ 2
Rod adjuster ------ 4
Connecting rod head ------ 2
2.5X45mm rod ------ 2
6X125mm screw ------ 4
6mm Washer ------ 4

8 Install the flap servo

L/R

4X50mm screw ------ 2
3X10mm Screw ------ 2
3mm screw ------ 2
3X14mm Screw ------ 2
2.5X45mm rod ------ 2
3mm Lock nut ------ 2

Horn ------ 2
Rod adjuster ------ 4
Connecting rod head ------ 2
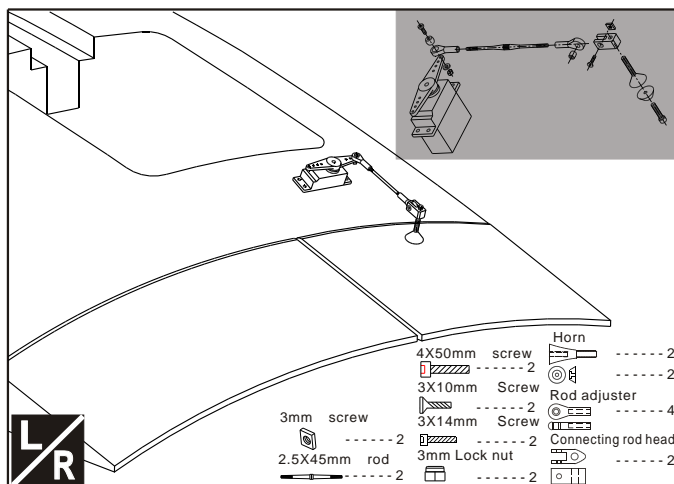
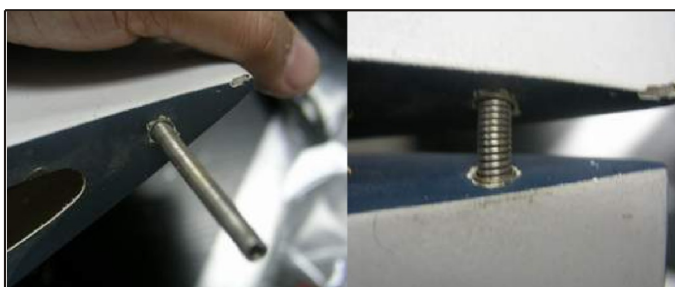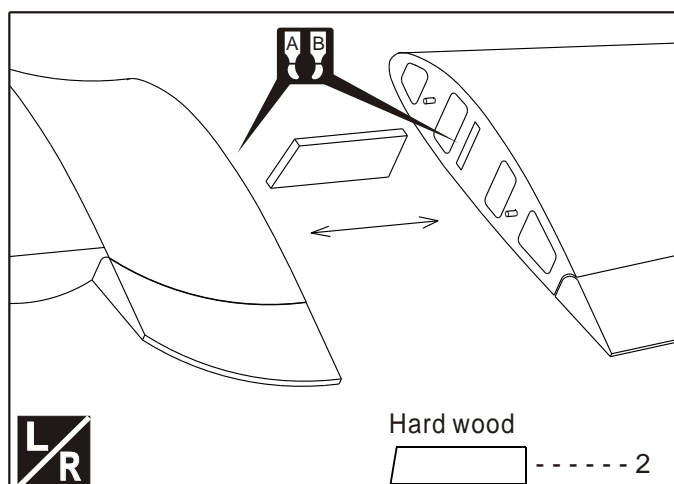## 6 Install a 5mm control spring in to both flap panel.

notice:double check and made sure both flap panel can be moving together by spring but will not jam before you glue the flap hinges
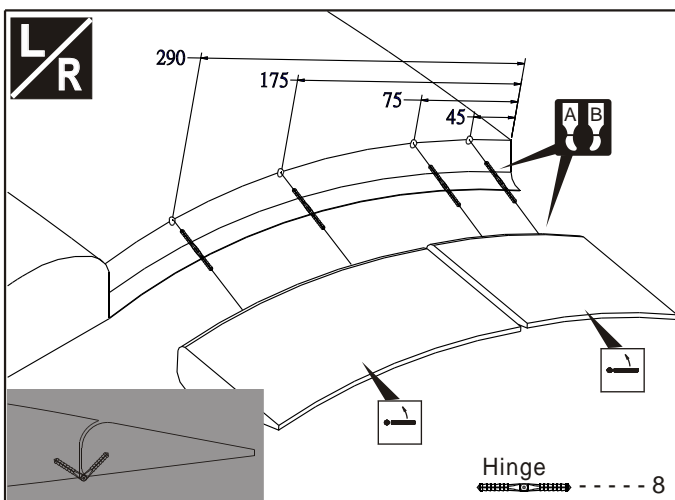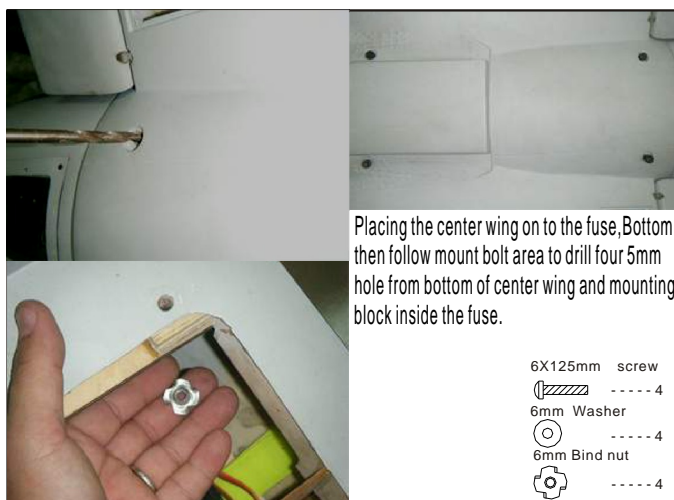
9 Main wing

A B

L/R

Hard wood ------ 2

7 Install the flap, Drill 4.5mm hole for flap hinges as show

L/R

290
175
75
45

A B

Hinge ------ 8

10 Install M5 blind nut inside each wing mount block from inside the glue them with Epoxy

Placing the center wing on to the fuse,Bottom then follow mount bolt area to drill four 5mm hole from bottom of center wing and mounting block inside the fuse.

6X125mm screw ------ 4
6mm Washer ------ 4
6mm Bind nut ------ 4

⚠ Accessory list for this page.

3X25mm screw
🔩 - - - - - 1

2X8mm screw
🔩 - - - - - 2

2.5X85mm rod
━━━━━ - - - - - 1

4X25mm screw
🔩 - - - - 2

Rod adjuster
- - - - - 2

Connecting rod head
- - - - - 1

Hinge
- - - - 2

4mm Washer
◎ - - - - - - - - 2

13 Install the rudder servo

A B

3X25mm screw
🔩 - - - - - 1

2X8mm screw
🔩 - - - - - 2

2.5X85mm rod
━━━━━ - - - - - 1

Rod adjuster
- - - - - 2

Connecting rod head
- - - - - 1

11 Install the rudder

A B

Hinge
━━━━━ - - - - 2

14 Install the elevator

Installation aluminum tubes, in the following, corresponding aluminum tubes, drill a 4 mm hole, then install M4 screws

4mm

4X25mm screw
🔩 - - - - 2

4mm Washer
◎ - - - - - - - - 2
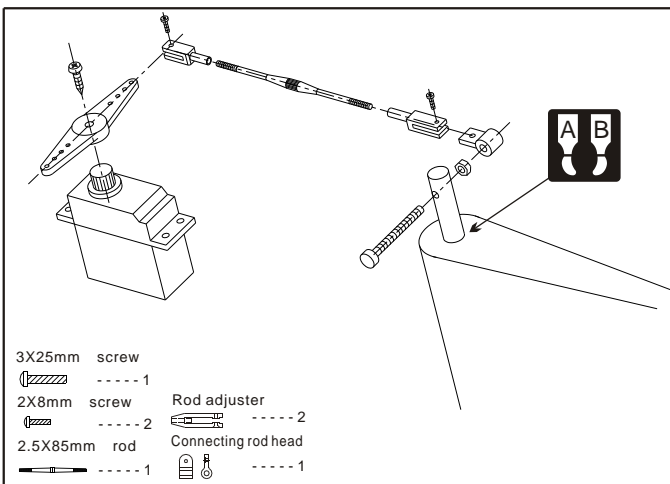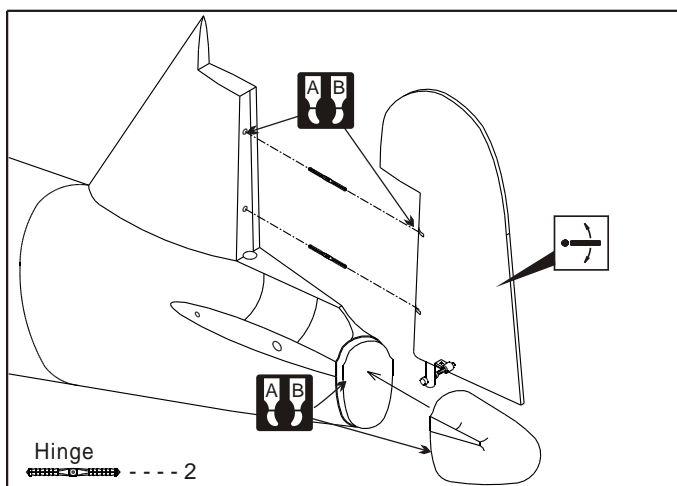
12 Install the rudder servo

50
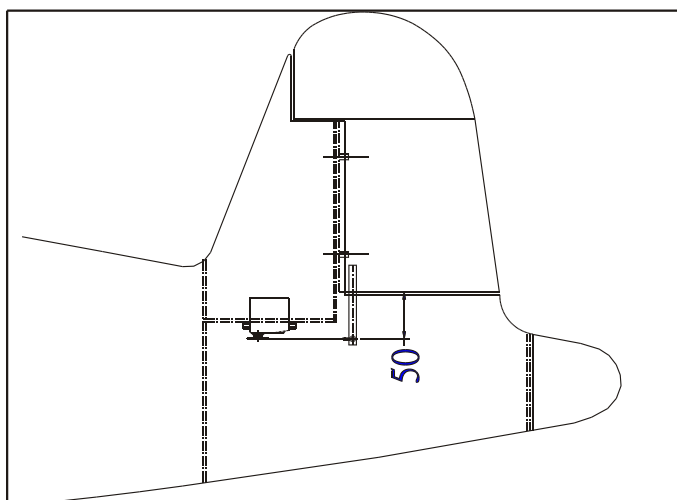
15 Main wing&Horizontal/Vertical tail

C   C'
B   B'

A   A'

A=A'
B=B'
C=C'

⚠ Warning!

Securely glue together ,if coming off during flights. You lose control of your airplane which leads to accidents!
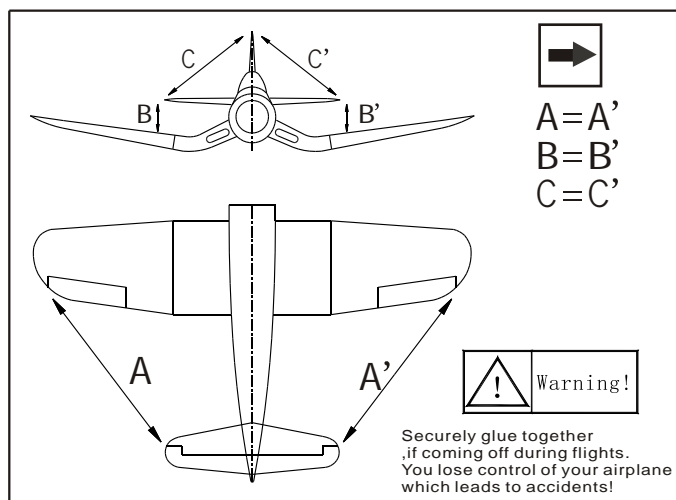
⚠️ **Accessory list for this page.**

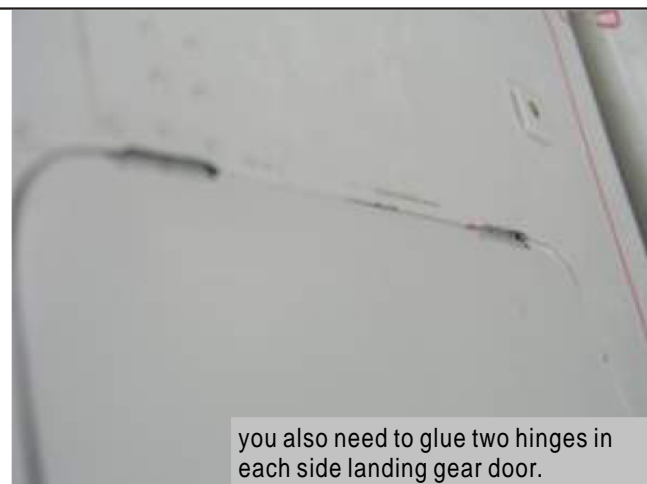**18** **Install the main landing gear**

you also need to glue two hinges in each side landing gear door.

16 **Install the main landing gear**

L/R

Mount the main gear in to the gear bay and fix it by six mount bolt as show.the wheel for this model are 4.5in or 115mm

19 **Install the main landing gear**

you also need to glue two hinges in each side landing gear door.

17 **Install the main landing gear**

L/R

if you plan to use lading gear door, you need to open four slot on the landing gear bay for the door hinges.
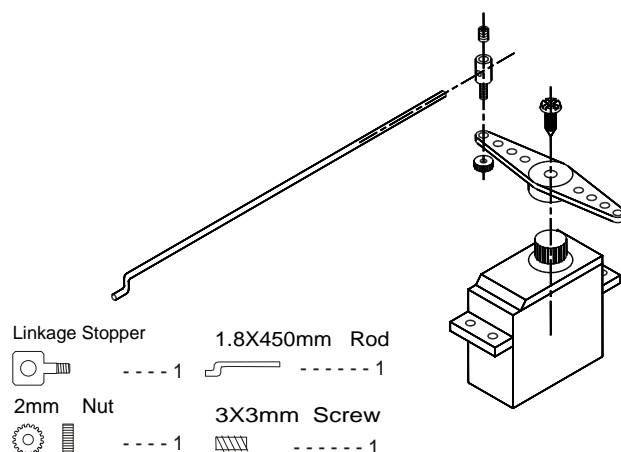
20 **Install the tail wheel**

Install the tail gear ang tail gear servo as show. Notice: this servo need minimum 3kg torque. Unless it can be fail to controll or damage.
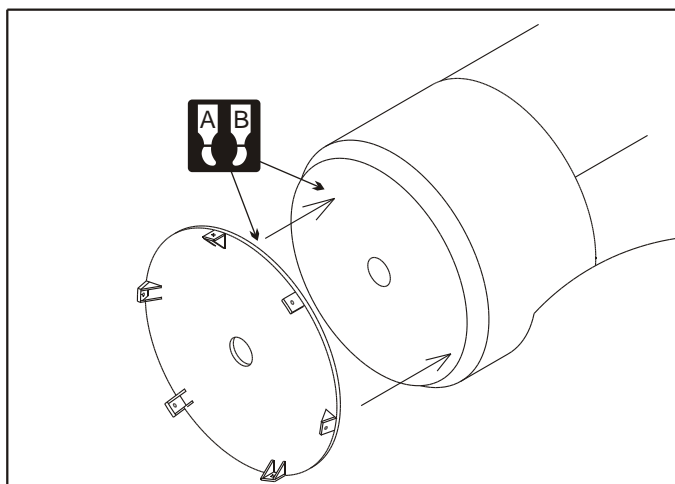
⚠ Accessory list for this page.

Linkage Stopper

1.8X450mm Rod

- - - - 1   - - - - - - 1

2mm Nut

3X3mm Screw

- - - - 1   - - - - - - 1

23 Install the throttle servo

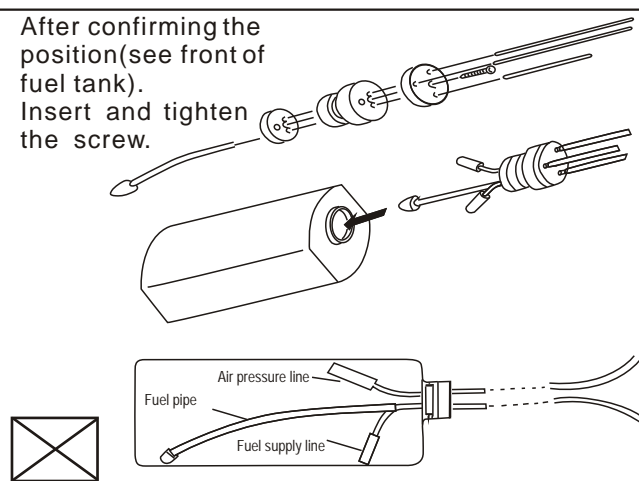## 21 Installing the engine

A B

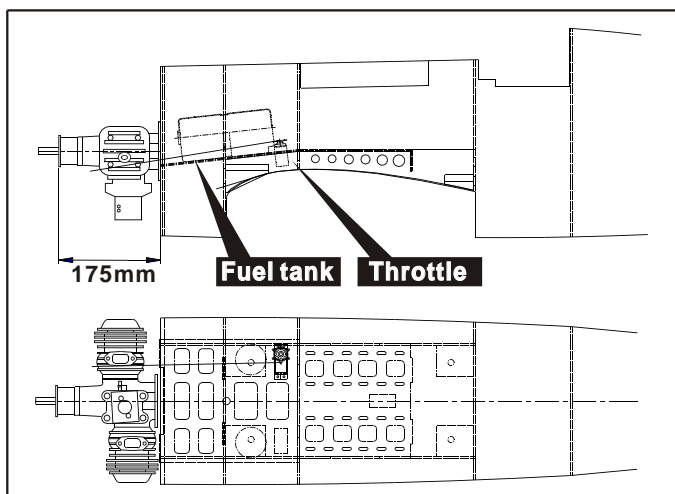## 24 Assembly of the full tank

After confirming the position(see front of fuel tank).
Insert and tighten the screw.

Air pressure line
Fuel pipe
Fuel supply line

22 Installing the engine (100cc)
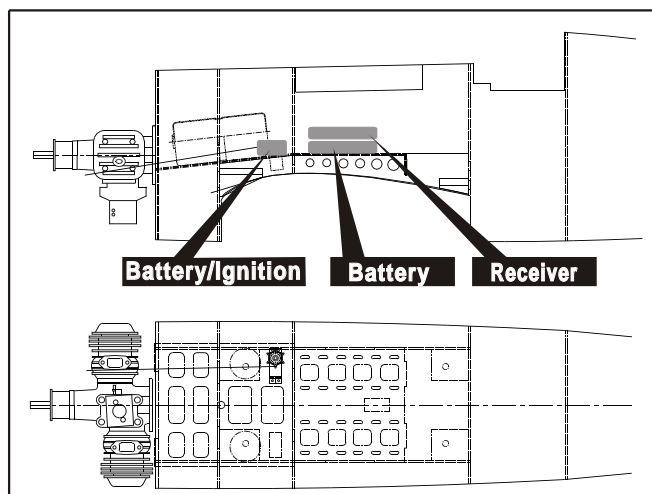
175mm   Fuel tank   Throttle

25 Radio Equipment

Battery/Ignition   Battery   Receiver

28 Install the canopy

Cut away the surplus pats of canopy care fully along the shaded line.

2.6X12mm Tp screw
⎔▥▥▥▥ - - - - - - - - - - - - - - - - 6

26 Install the thr cowling

3X16mm screw   3mm Washer   3mm rubber band
▭▨▨▨ - - - - 6   ◎ - - - - - 6   ◎ - - - - 6

29 Install the cover

Fasten
- - - - - - - - - - 3

27 Install the thr cowling

⊠ Propeller

⊠ Spinner

30 Install the cover
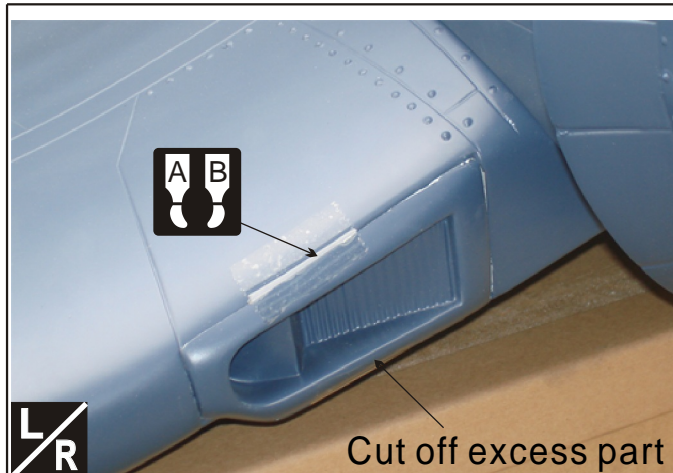
A B

L/R

Cut off excess part
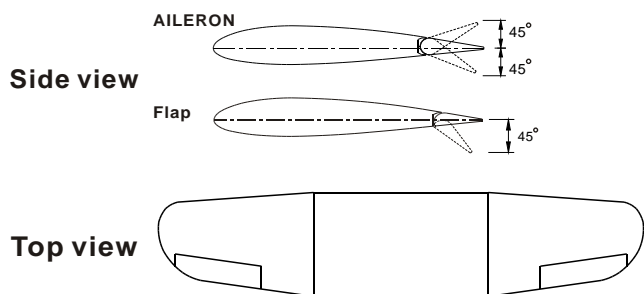
31 Adjustment.

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.

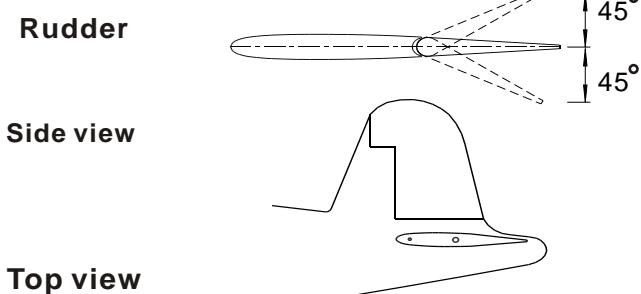AILERON

Side view

$45°$
$45°$

Flap

$45°$

Top view

33 Adjustment

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.

Rudder

$45°$

$45°$

Side view

Top view

32 Adjustment.

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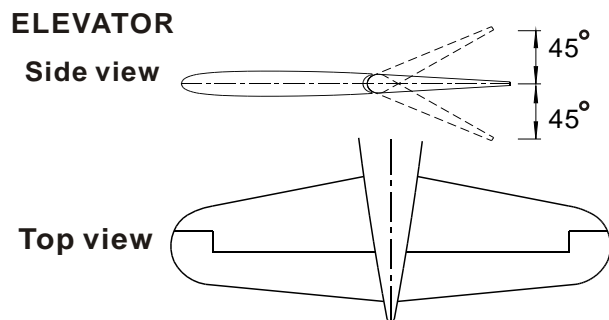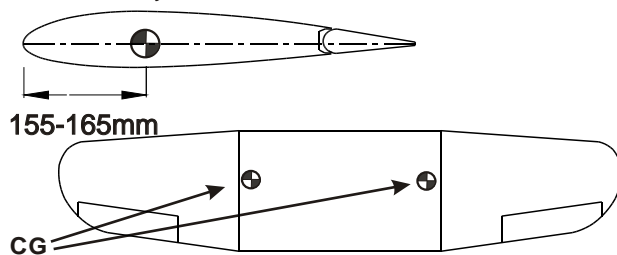Readjust according to your needs and flight level.

ELEVATOR

Side view

$45°$

$45°$

Top view

34 Adjustment.

Never fly before checking the Cg's required position.
In order to obtain the CG specified ,reposition the receiver and battery.

155-165mm

CG

⚠ 警告 Warning! **NEVER fly the model without well balancing.**