Before commencing assembly,please read these instructions thoroughly.

ALMOST - READY - TO - FLY

ME-109F

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 childrens 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: 2440mm (96in)
Wing Area: 89.5dm^2 (1387.6sq.in)
Total Length: 2035 mm (80 in)
Engine :50-80cc gas engine
Radio : 6 channels ,9 servos

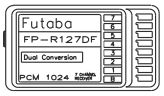
REQUIRED FOR OPERATION (Purchase separately)

1 A minimum 6channel radio for airplanes (with 9servos). And dry batteries.

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

A minimum 6 channel transmitter for airplanes.

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 9 servos)

4 Engine and Muffler

Model Airplane engine:50-80cc gas engine

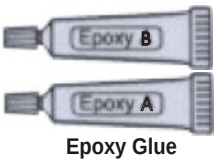
Muffler

Ignition

Muffler

Ignition

5 Glue



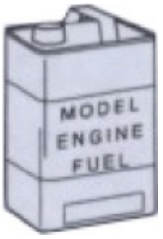
Epoxy Glue

Instant glue

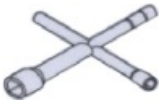
6 required for engine starting

> WARNING: Normal gasoline cannot be used with glow engines.

Glow engine fuel only.



Fuel Pump

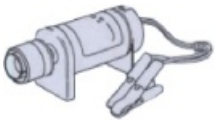


Plug Wrench

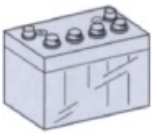
7 Silicone Tube

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

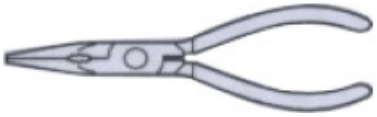
TOOLS REQUIRED (Purchase separately)

Sharp Hobby Knife

Phillips Screw Driver

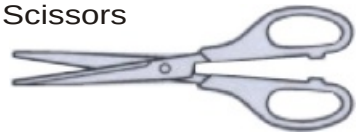
Awl

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 deater.
3. Symbols used throughout this instruction manual,comprise.

Apply epoxy glue.

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

Must be purchased separately!

Do not overlook this symbol.

Apply instant glue (CA glue,super glue).

Ensure smooth non-binding movement while assembling.

Pay close attention here!

Assemble left and right Sides the same way.

Cut off shaded portion.

Cut off excess.

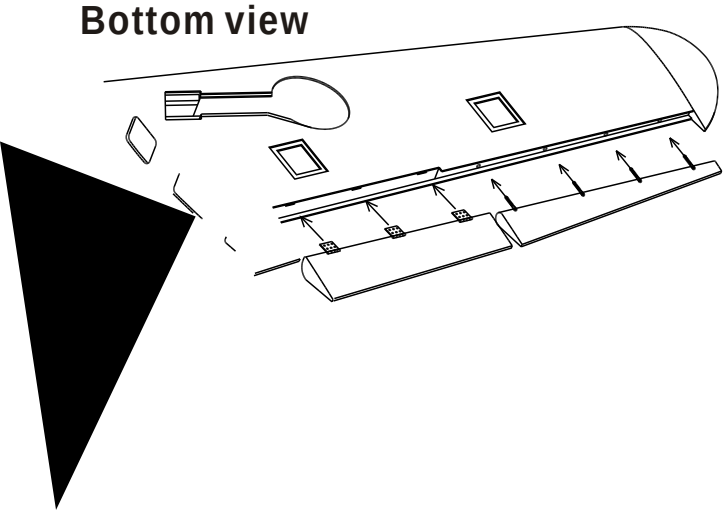
Hinge

Hinge

1 Install the aileron and flap

2 Install the aileron and flap

Bottom view



3 Install the servo

4 Install the servo of aileron

Aileron

Flap

Hinge

Hinge

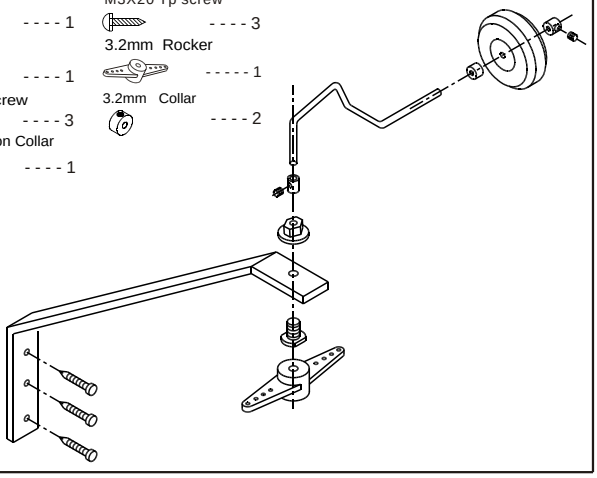
5 Install the servo of flap

Accessory list for this page.

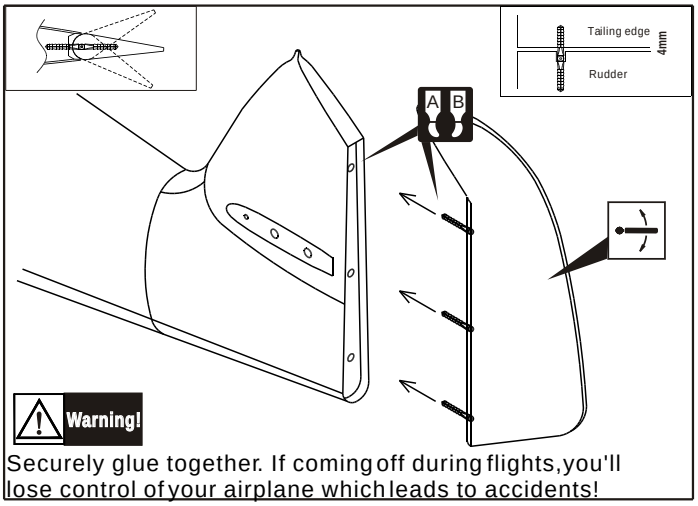
- HORN ----- 2
- 4X30 Screw ----- 2
- Rod adjuster ----- 4
- Connecting rod head ----- 2
- Rod ----- 4
- Aluminium tube ----- 4
- 2X8mm screw ----- 4
- 3mm nut ----- 3
- 3X45mm screw ----- 3
- 1300mm Steel wire ----- 2
- 6mm nut ---- 1
- 6X9 screw ---- 1
- 3X3mm Screw ---- 3
- 3.2mm Nylon Collar ---- 1
- 3.2mm Collar ---- 2
- 80mm spring ----- 2
- M3X20 Tp screw ---- 3
- 3.2mm Rocker ----- 1

13 Install the tail wheel

- 6mm nut ---- 1
- 6X9 screw ---- 1
- 3X3mm Screw ---- 3
- 3.2mm Nylon Collar ---- 1
- M3X20 Tp screw ---- 3
- 3.2mm Rocker ----- 1
- 3.2mm Collar ---- 2



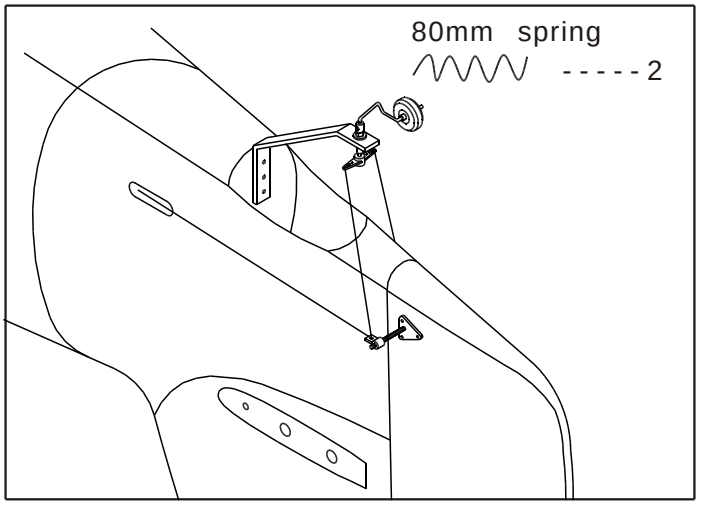
11 Install the rudder



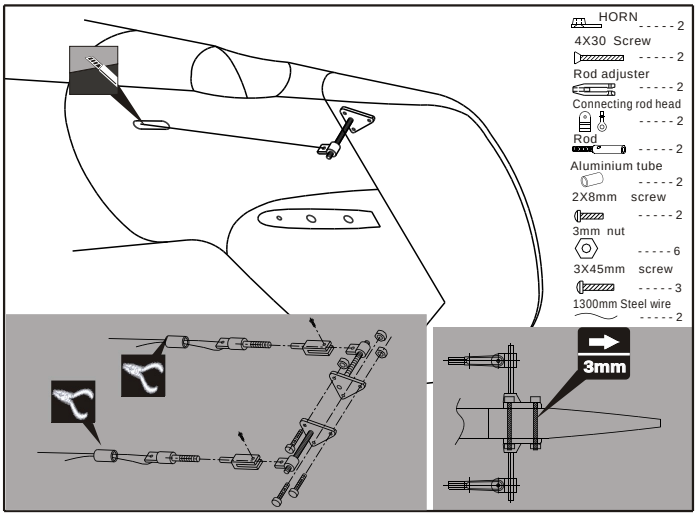
Securely glue together. If coming off during flights,you'll lose control of your airplane which leads to accidents!

14 Install the tail wheel

80mm spring ----- 2

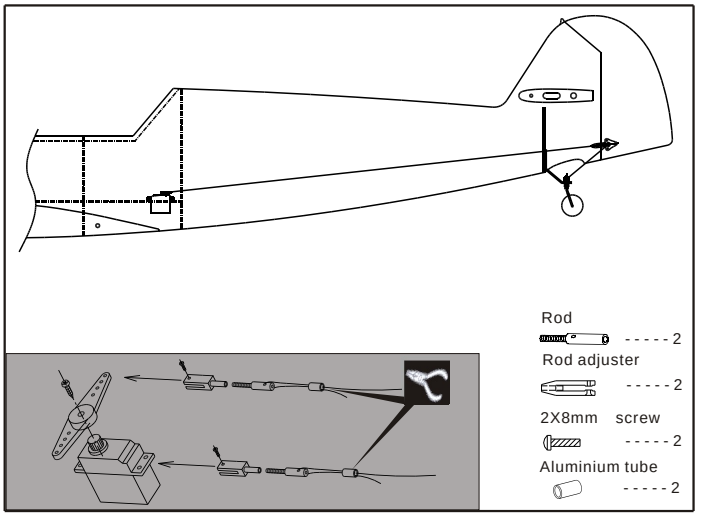


12 Install the rudder servos



- HORN ----- 2
- 4X30 Screw ----- 2
- Rod adjuster ----- 2
- Connecting rod head ----- 2
- Rod ----- 2
- Aluminium tube ----- 2
- 2X8mm screw ----- 2
- 3mm nut ----- 6
- 3X45mm screw ----- 3
- 1300mm Steel wire ----- 2

15 Install the servos of rudder&tail wheel

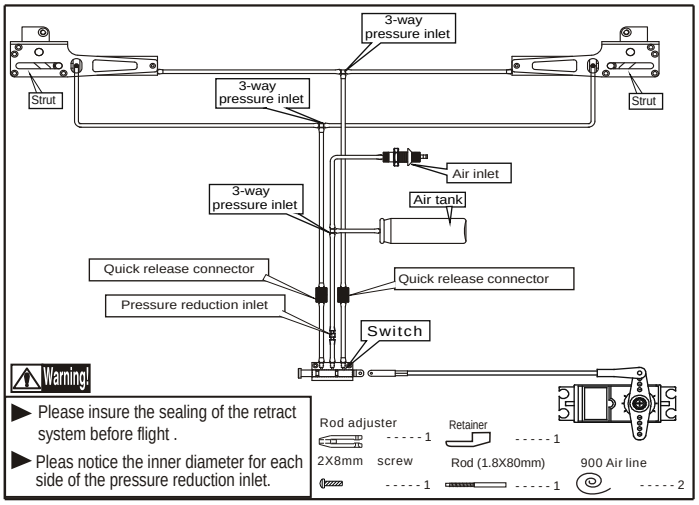


- Rod ----- 2
- Rod adjuster ----- 2
- 2X8mm screw ----- 2
- Aluminium tube ----- 2

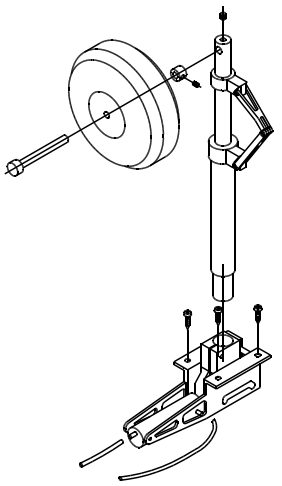
Accessory list for this page.

- 5X45mm Axletree ----- 2
- 3X20mm Tp screw ----- 8
- 5.2mm Collar ----- 2
- 3X3mm screw ----- 2
- 4X4mm screw ----- 2
- Play wood ------ ------2
- Play wood ------ ------4
- 8mm nylon Nut ----- 4
- Rod adjuster ----- 1
- 2X8mm screw ----- 1
- Retainer ----- 1
- Rod (1.8X80mm) ----- 1
- 900 Air line ----- 2

18 Install the main landing gear



16 Install the main landing gear

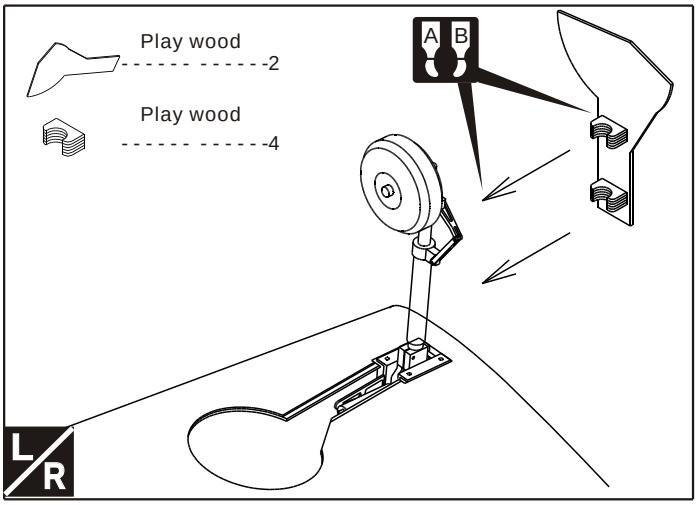


L/R

- 5X45mm Axletree ----- 2
- 3X20mm Tp screw ----- 8
- 5.2mm Collar ----- 2
- 3X3mm screw ----- 2
- 4X4mm screw ----- 2

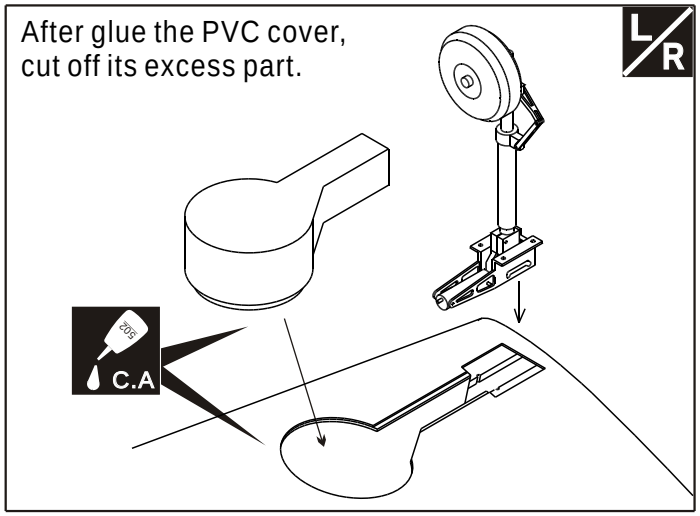
19 Install the main landing gear

- Play wood ------ ------2
- Play wood ------ ------4



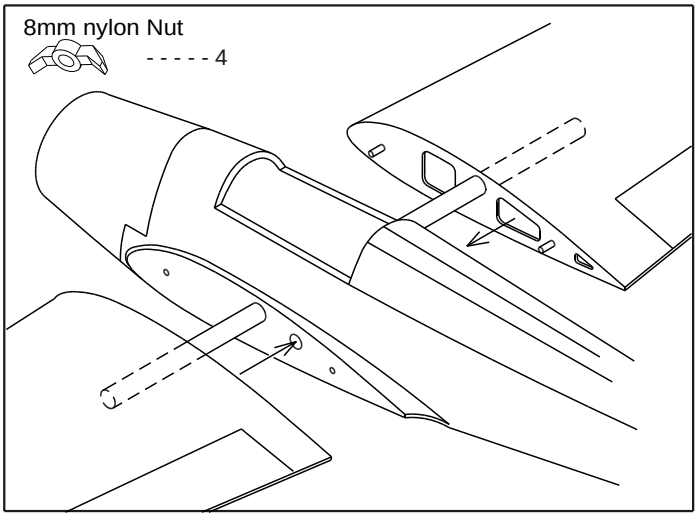
17 Install the main landing gear

After glue the PVC cover, cut off its excess part.



20 Main wing (Put the servo into the fuselage)

- 8mm nylon Nut ----- 4



Accessory list for this page.

4X25mm screw ----2

4mm Washer --------2

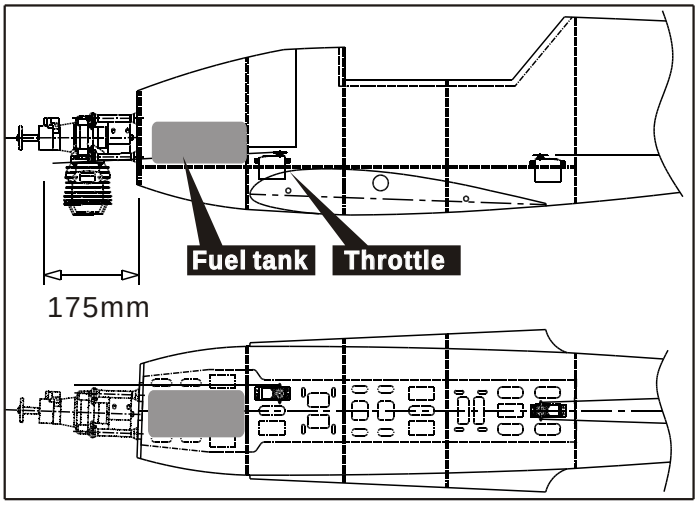
Linkage Stopper ----1

1.8X200mm Rod ------1

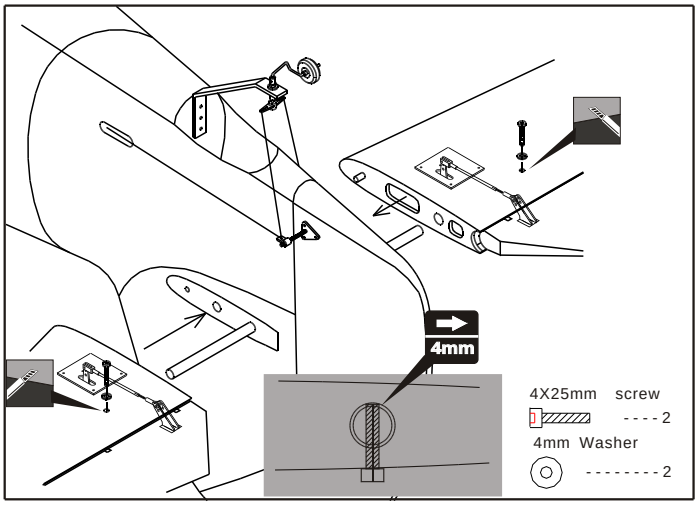
2mm Nut ----1

3X3mm Screw ------1

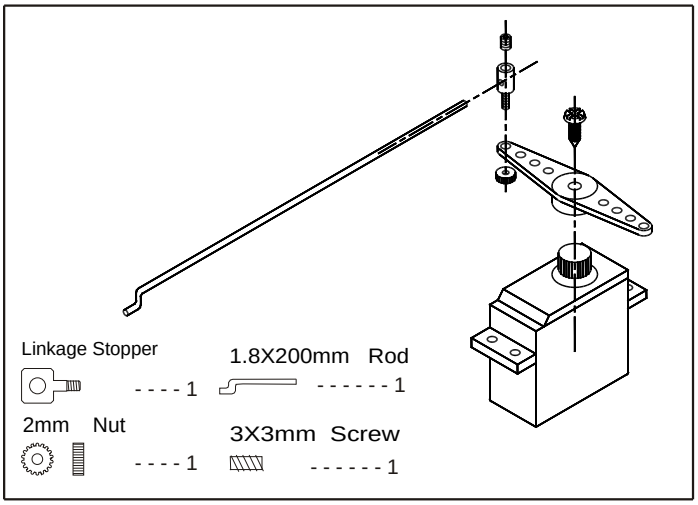
23 Installing the engine (50-80cc)



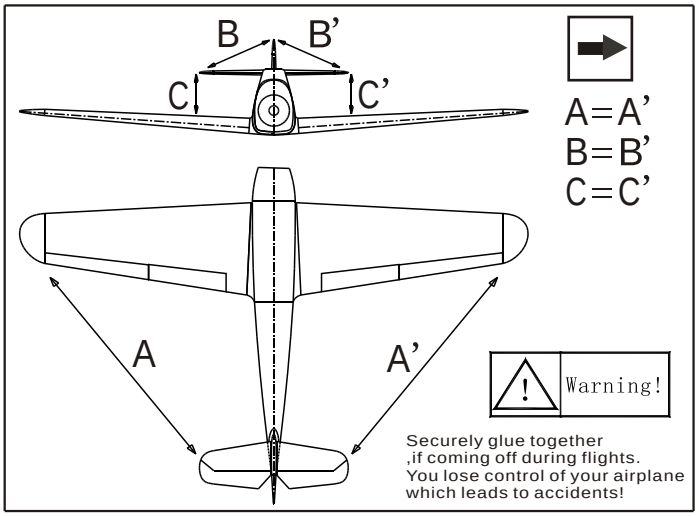
21 Horizontal (Put the servo into the fuselage)



24 Install the throttle servo

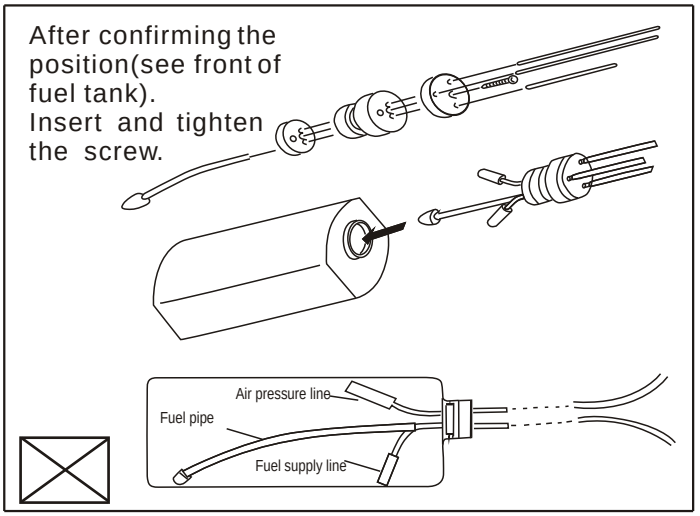


22 Main wing&Horizontal/Vertical tail



25 Assembly of the full tank

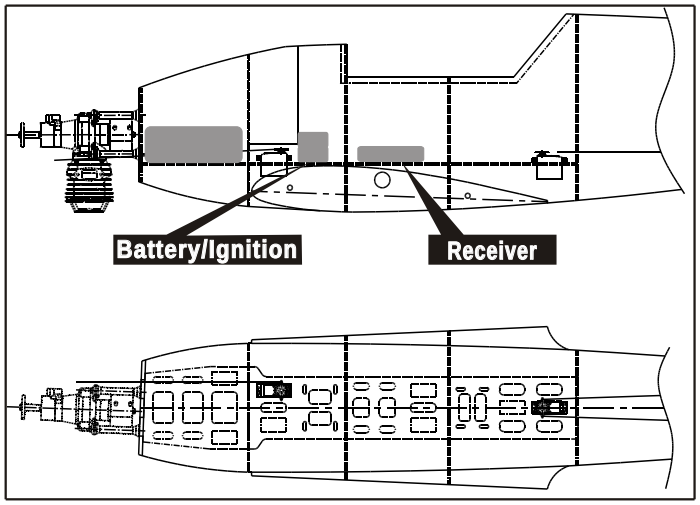
After confirming the position(see front of fuel tank).
Insert and tighten the screw.



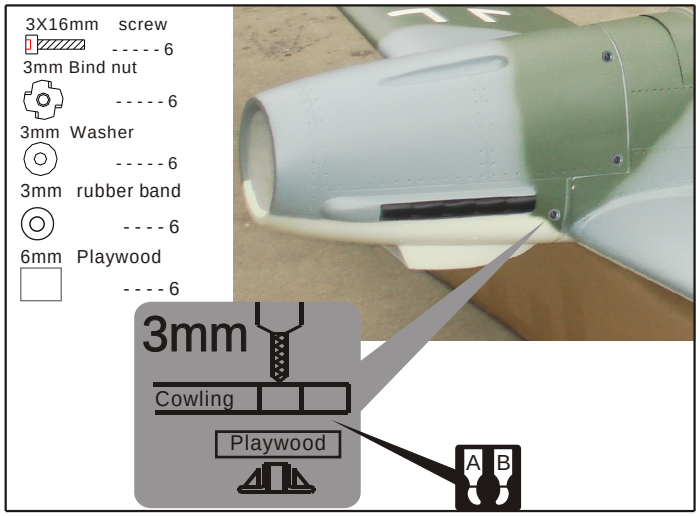
Accessory list for this page.

- 3X30mm screw ----- 2
- 3X16mm screw ----- 6
- 3mm Bind nut ----- 6
- 3mm Washer ----- 8
- 3mm rubber band ----- 8
- 6mm Playwood ----- 6

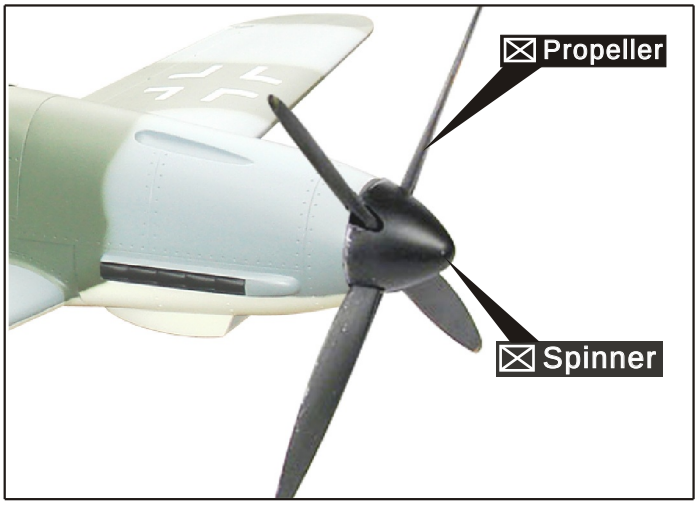
26 Radio Equipment



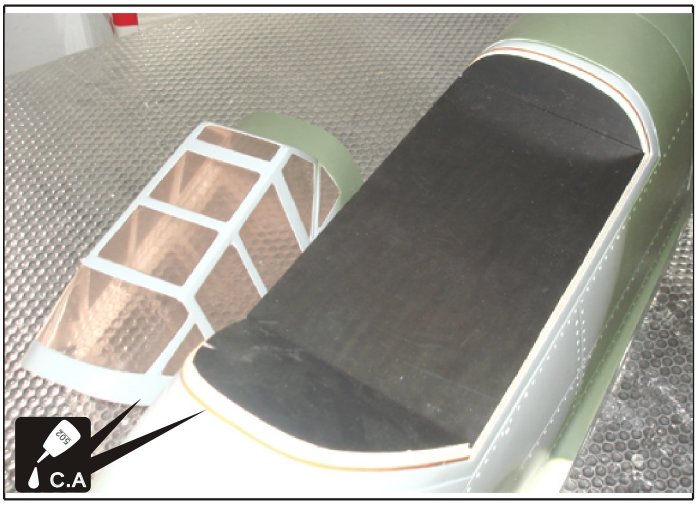
27 Install the thr cowling



28 Install the thr cowling



29 Install the canopy



30 Install the canopy

3X30mm screw ----- 2
3mm Washer ----- 2
3mm rubber band ---- 2

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

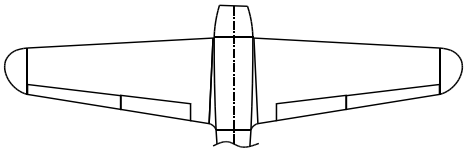
Side view

45°
45°

Flap

45°

Top view



32 Adjustment.

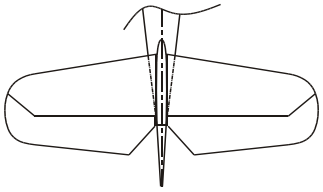
Adjust the travel of each control surface to the values in the diagrams.
These values fit general flight capabilities.
Readjust according to your needs and flight level.

ELEVATOR

Side view

45°
45°

Top view



33 Adjustment

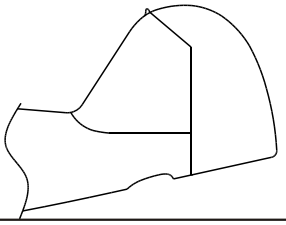
Adjust the travel of each control surface to the values in the diagrams.
These values fit general flight capabilities.
Readjust according to your needs and flight level.

Rudder

45°
45°

Side view

Top view

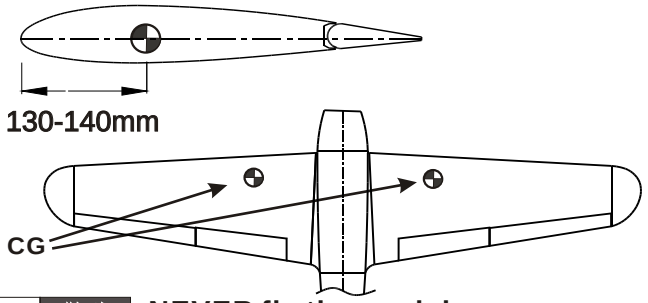


34 Adjustment.

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

130-140mm

CG



警告 Warning!

NEVER fly the model without well balancing.