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P-51D Mustang



Instruction Manual

Before commencing assembly, please read these instructions thoroughly.



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.....2200 mm (86.5 in)
Wing Area.....72 dm²(1120 sq.in)
Length.....1945 mm (76.5in)
Engine.....35-50cc gas engine
Radio.....6 channels, 9 servos

REQUIRED FOR OPERATION (Purchase separately)

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



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



12 AA-size Batteries

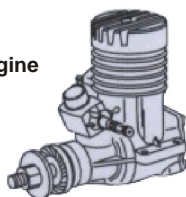
A minimum 6 channel transmitter for airplanes.



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

- 2 Engine and Muffler
Model Airplane engine
35-50 cc gas engine

Muffler



Glow plug



Purchase a propeller that will match your engine



- 3 Propeller splinner

- 4 Silicone Tube  Fuel Filter 

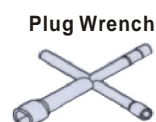
- 5 required for engine starting Glow engine fuel only.



WARNING: Normal gasoline cannot be used with glow engines.



Fuel Pump

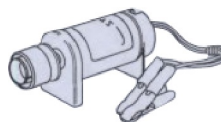


Plug Wrench

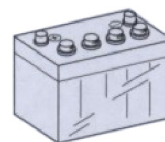


- 6 Glue  Instant glue  Epoxy Glue

- 7 Other equipment for enhancing airplane operation & perormance



Engine Starter



12V Battery (for starter)

TOOLS REQUIRED (Purchase separately)

Sharp Hobby Knife



Phillips Screw Driver



Awl



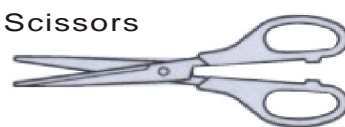
Needle Nose Pliers



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!



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.


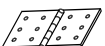
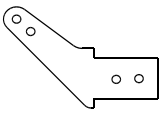










Warning!

Do not overlook this symbol.

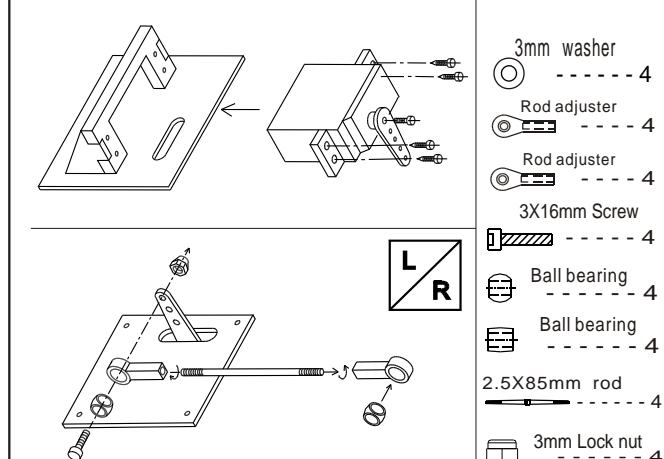


Accessory list for this page.

	Pin hings	-----	6
	Hinge	-----	6
	HORN--8		
	Ball bearing	-----	4
	2.5X85mm rod	-----	4
	3mm washer	-----	4
	Rod adjuster	-----	4
	Rod adjuster	-----	4
	3X16mm Screw	-----	8
	Ball bearing	-----	4
	3mm Lock nut	-----	8

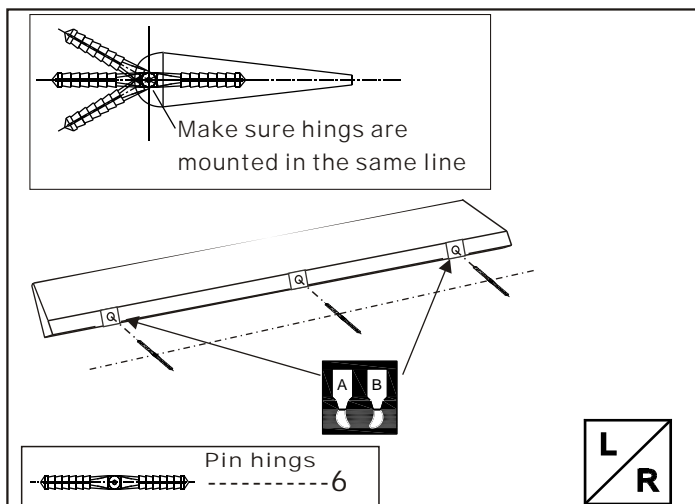
3

Install the servo



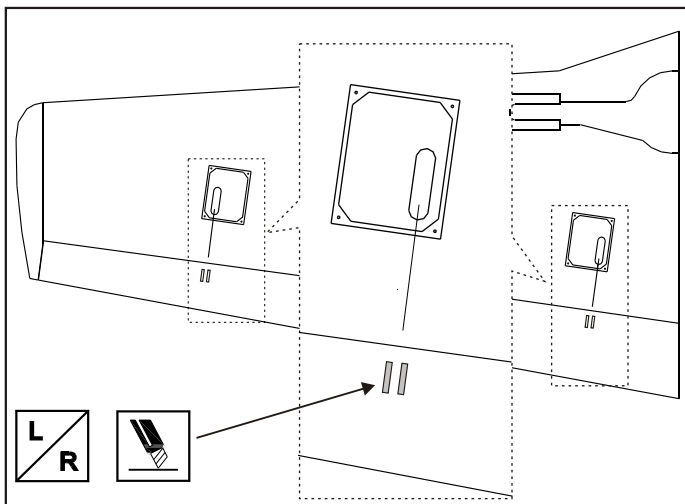
1

Epoxy pin hings to aileron steadily



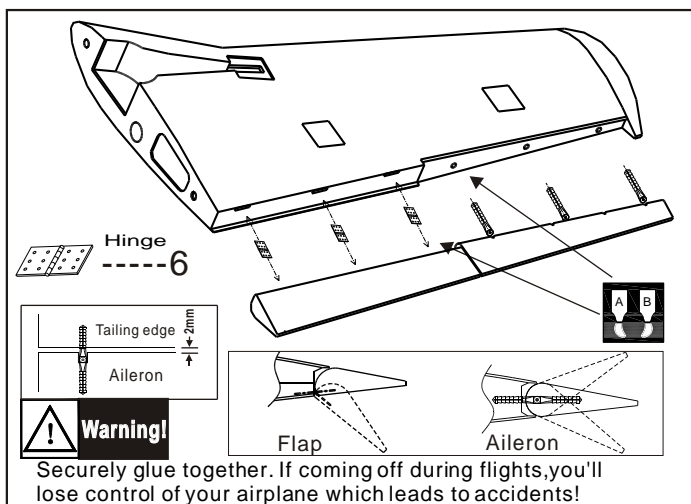
4

Install the servo



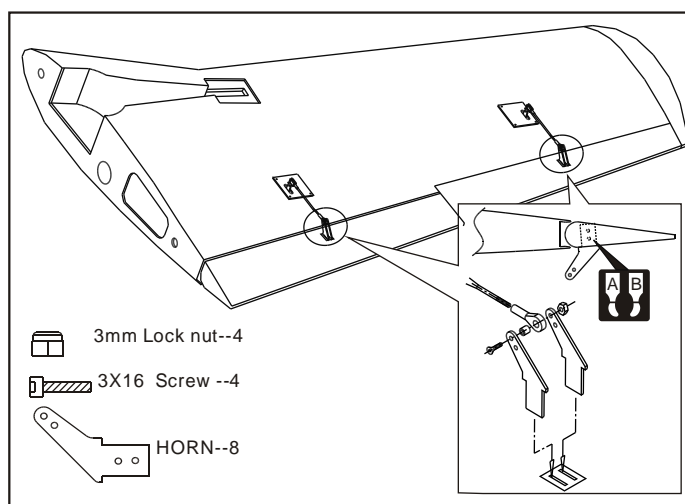
2

Install the aileron



5

Install the nylon control horn and connect the linkage





Accessory list for this page.

5X45mm Axletree

----- 2

3X20mm Tp screw

----- 8

5.2mm Collar

----- 2

3X3mm screw

----- 2

4X4mm screw

----- 2

3mm Lock Nut

----- 8

3X16 Screw

----- 4

----- 4

Rod adjuster

----- 1

2X8mm screw

----- 1

Retainer

----- 1

Rod (1.8X80mm)

----- 1

2000mm Air line

----- 2

Play wood

----- 2

3X3mm screw

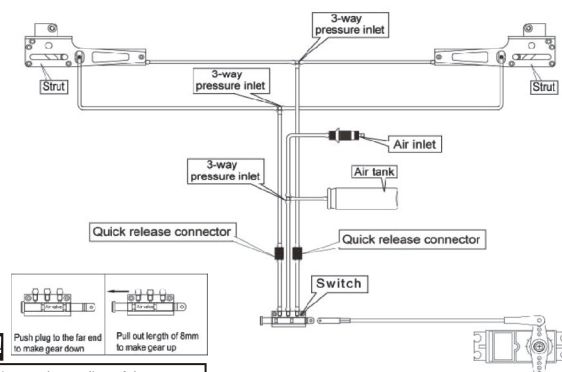
----- 4

M3X5mm Screw

----- 4

8

Install the main landing gear



Push plug to the far end to make gear down

Pull out length of 6mm to make gear up

Please insure the sealing of the retract system before flight.

Please notice the inner diameter for each side of the pressure reduction inlet.

Rod adjuster

----- 1

2X8mm screw

----- 1

Retainer

----- 1

Rod (1.8X80mm)

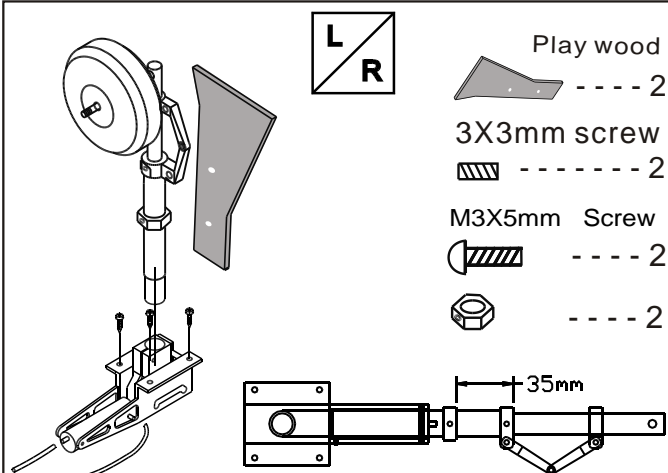
----- 1

2000mm Air line

----- 2

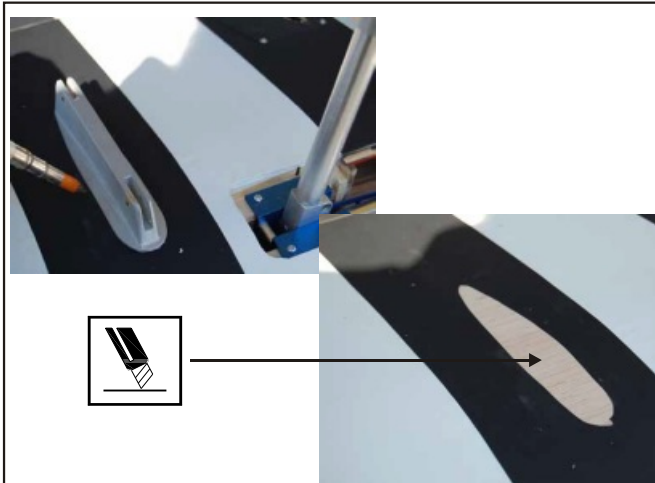
6

Install the landing gear



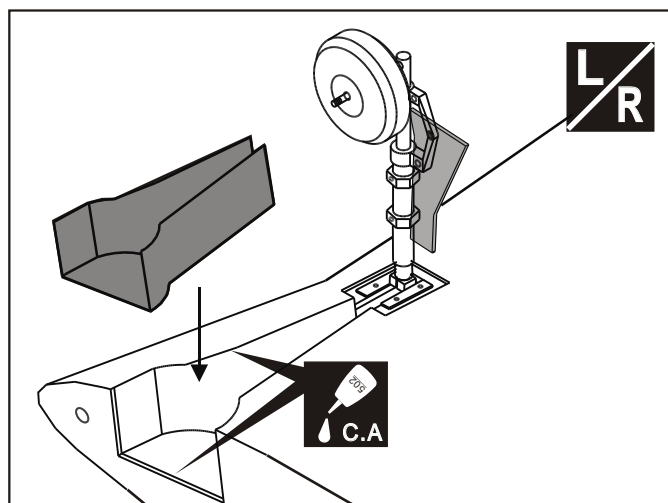
9

Install the main landing gear



7

Install the main landing gear



10

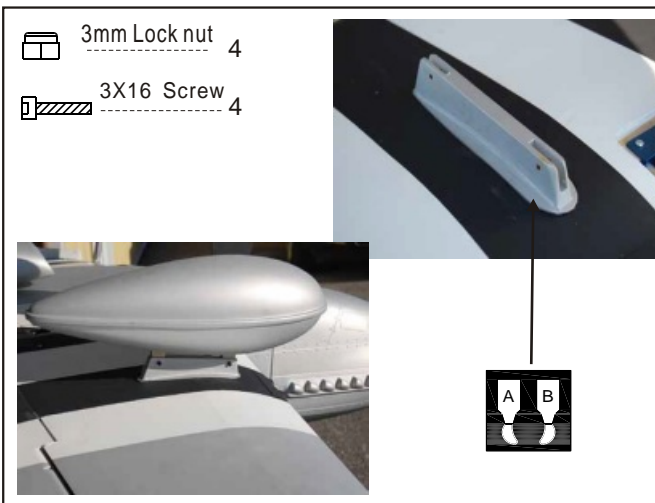
Install the drop tank. (P51D Miss Americal design does not include drop tank)



3mm Lock nut 4

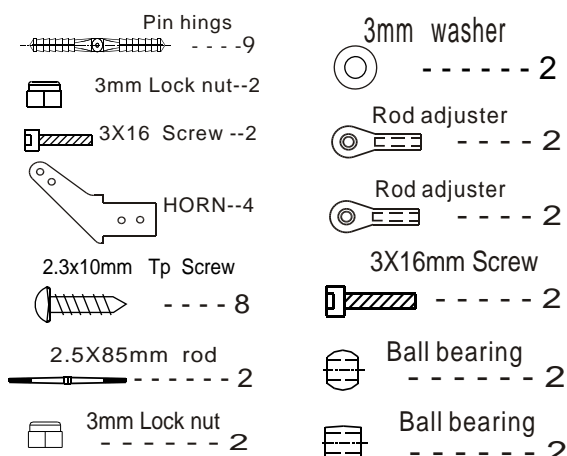


3X16 Screw 4



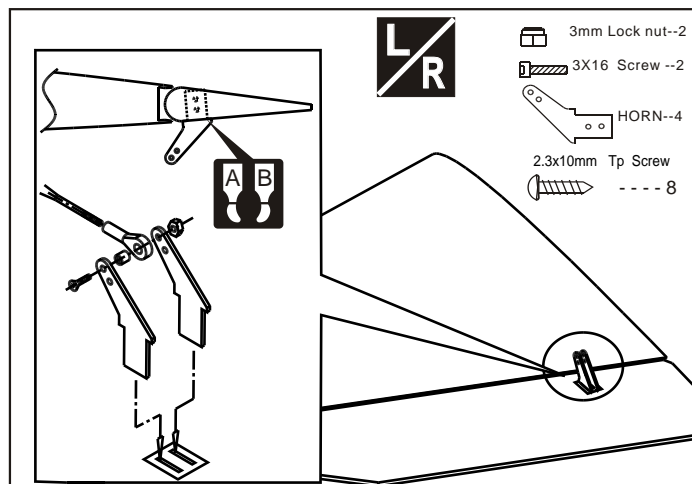


Accessory list for this page.



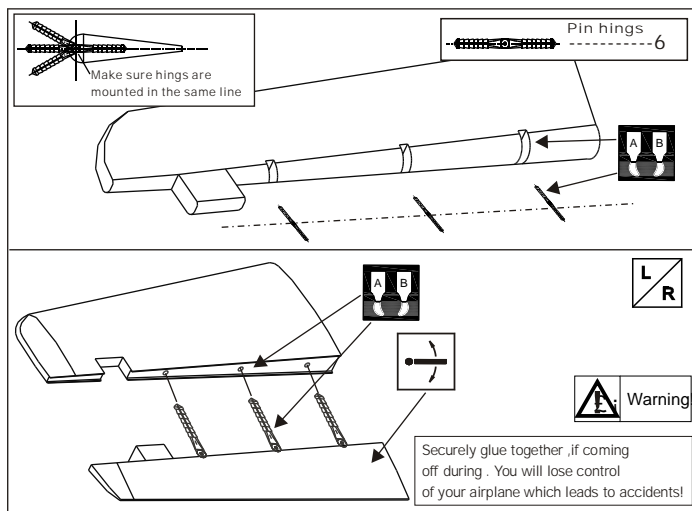
13

Install the nylon control horn and connect the linkage



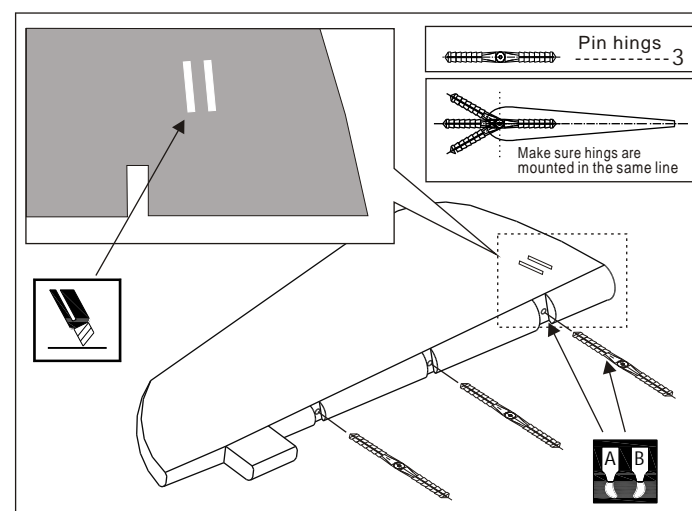
11

Epoxy pin hinges to elevator



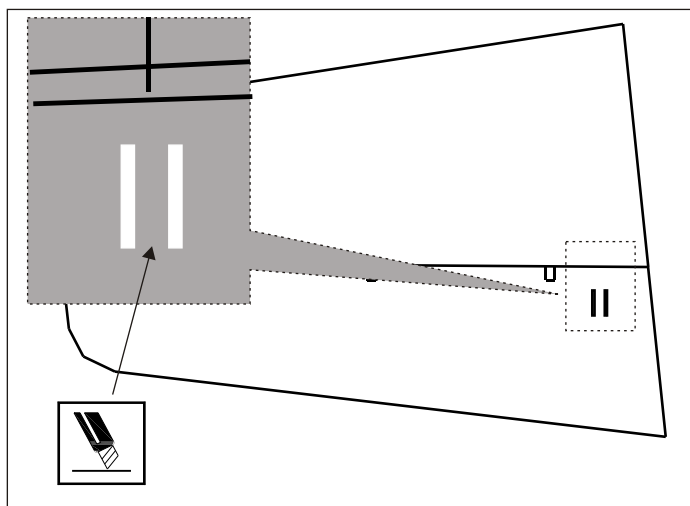
14

Epoxy pin hinges to rudder



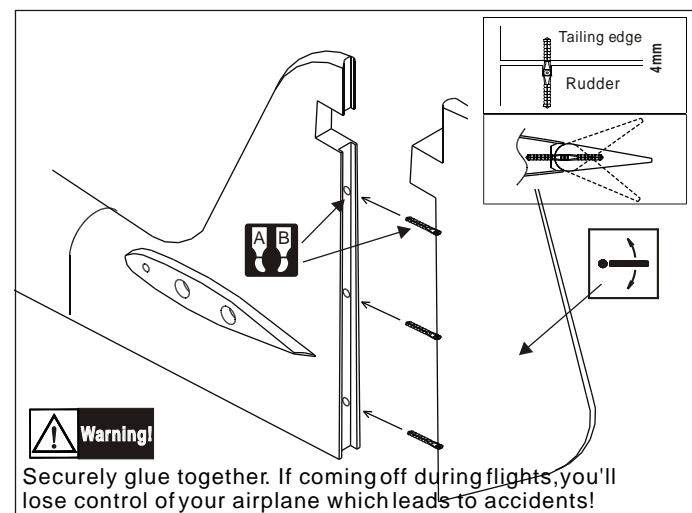
12

Install the elevator servos



15

Epoxy the rudder to the vertical tail edge



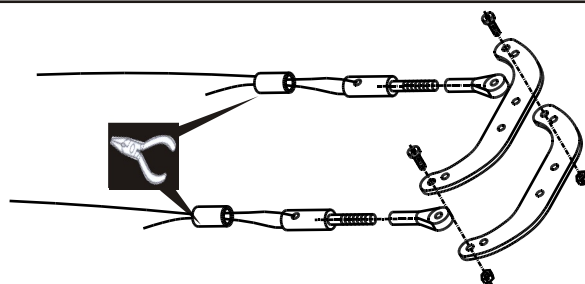


Accessory list for this page.

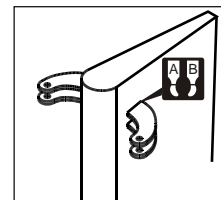
6X9 screw	----- 1	M4X20mm Cap screw	----- 2
3X3mm Screw	----- 6	4mm Blind Nut	----- 2
3.2mm Nylon Collar	----- 1	Rod adjuster	----- 2
6mm nut	----- 1	Rod	----- 4
3.2mm Collar	----- 3	Steel wire	----- 2
Rod adjuster	----- 2	Aluminium tube	----- 4
3mm Lock nut	----- 2	3.2mm Rocker	----- 1
3X16 Screw	----- 2	Steel wire	----- 2
		HORN	----- 2

18

Rudder . Connect the linkage rod to the horn

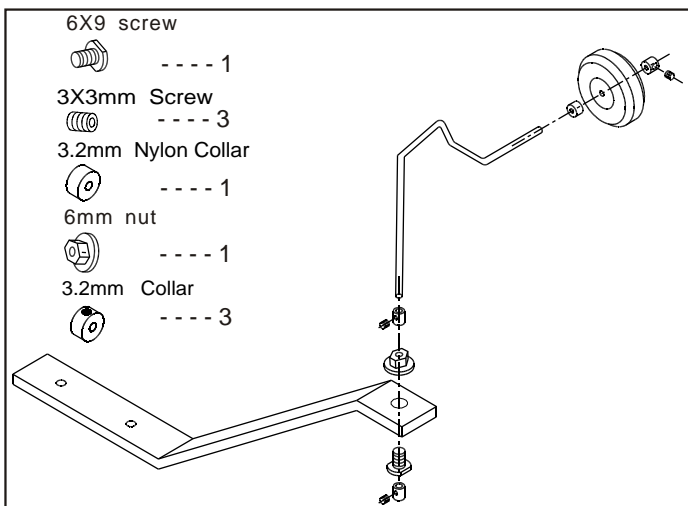


Rod adjuster	----- 2	Rod	----- 2
Rod adjuster	----- 2	Aluminium tube	----- 2
3mm Lock nut	----- 2	Steel wire	----- 2
3X16 Screw	----- 2	HORN	----- 2



16

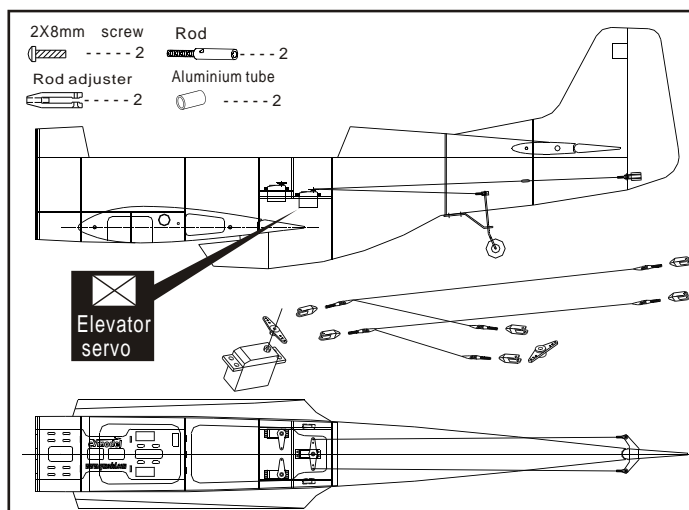
Install the tail wheel



6X9 screw	----- 1
3X3mm Screw	----- 3
3.2mm Nylon Collar	----- 1
6mm nut	----- 1
3.2mm Collar	----- 3

19

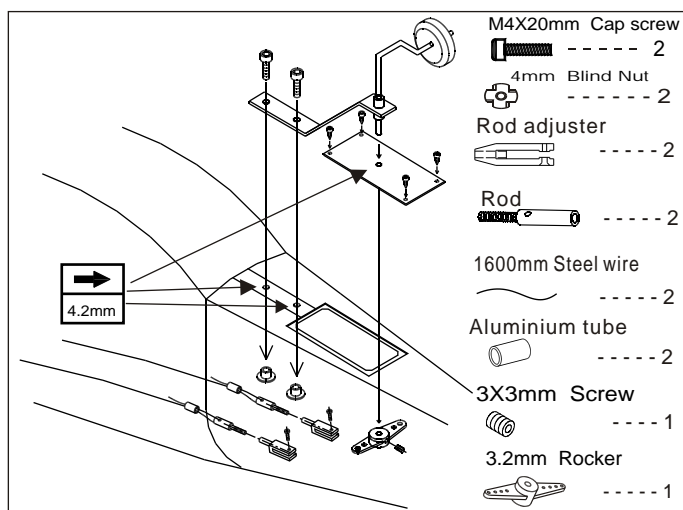
Assemble the rudder servo to the fuselage



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

17

Install the tail wheel



M4X20mm Cap screw	----- 2
4mm Blind Nut	----- 2
Rod adjuster	----- 2
Rod	----- 2
1600mm Steel wire	----- 2
Aluminium tube	----- 2
3X3mm Screw	----- 1
3.2mm Rocker	----- 1

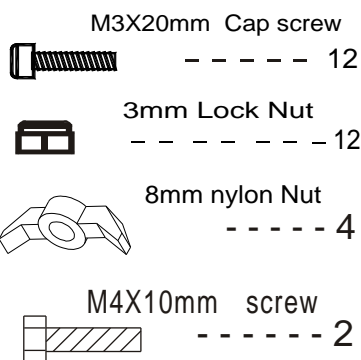
20

Rudder . Connect the linkage rod to the horn



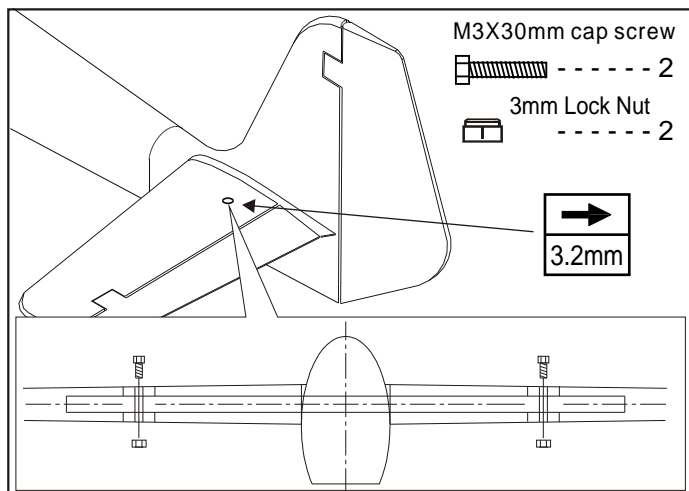


Accessory list for this page.



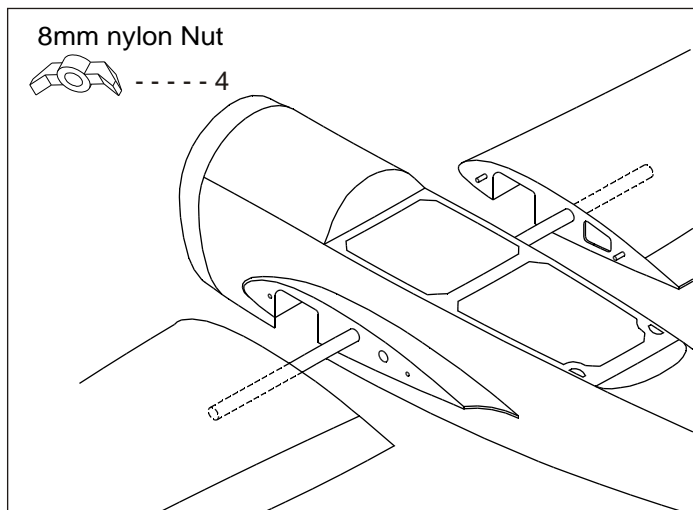
23

Epoxy the horizontal tail to fuselage



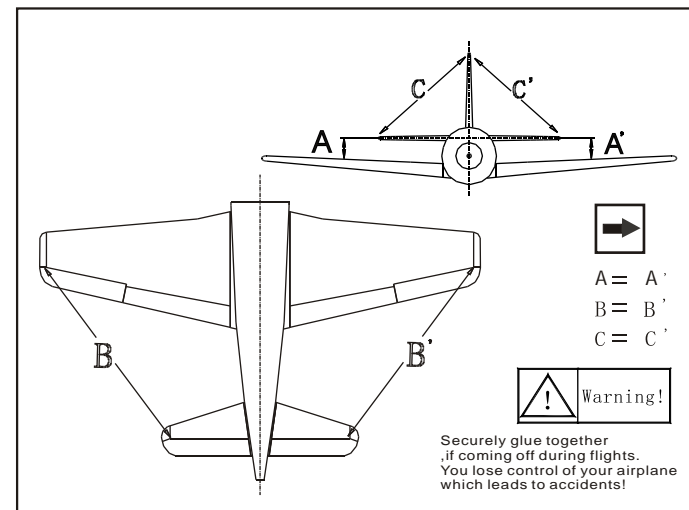
21

Mount the main wing on the fuselage



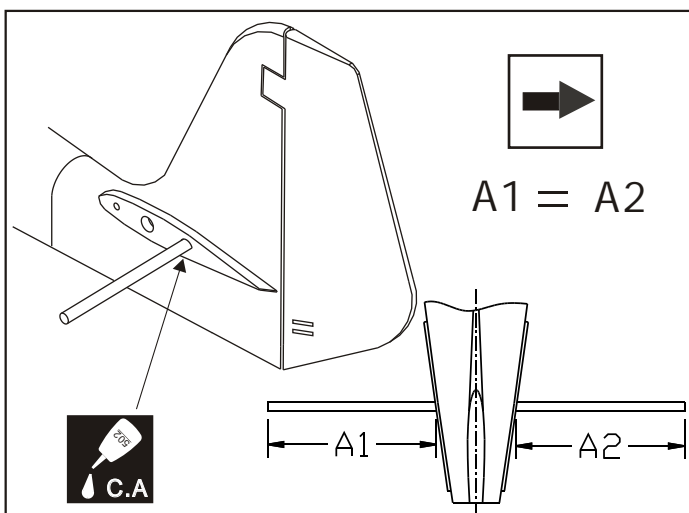
24

Assemble horizontal tail, vertical tail, tail gear separately



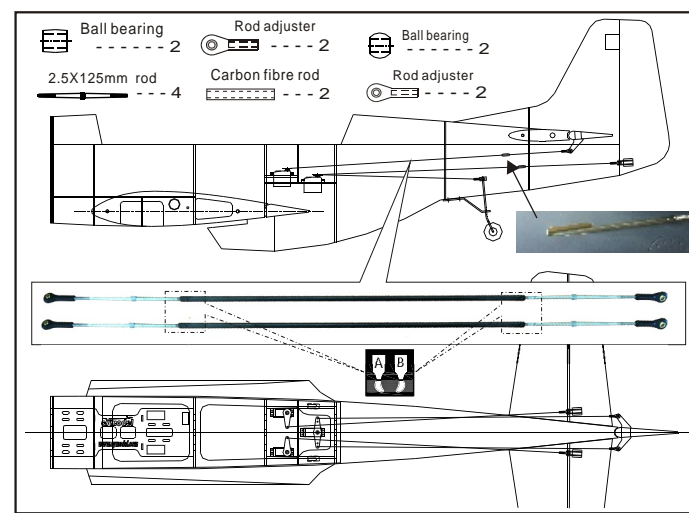
22

Epoxy the horizontal tail to fuselage



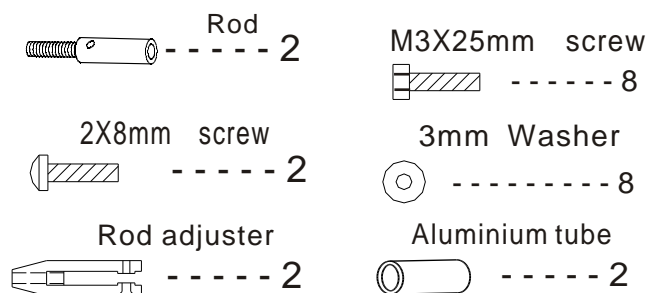
25

Assemble the elevator servo to the fuselage





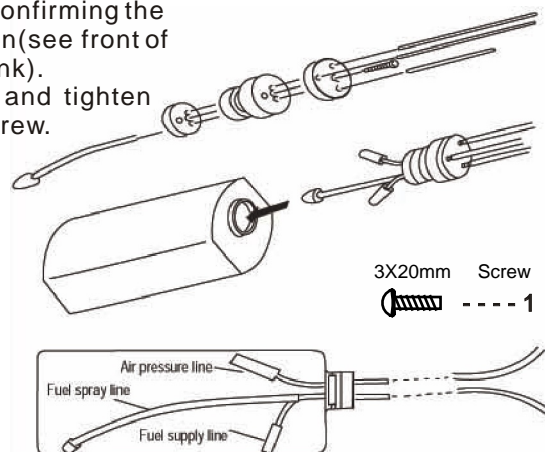
Accessory list for this page.



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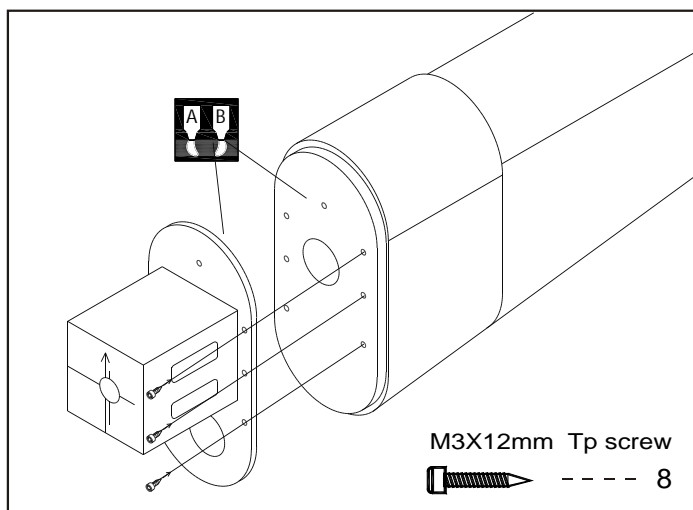
Assembly of the full tank

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



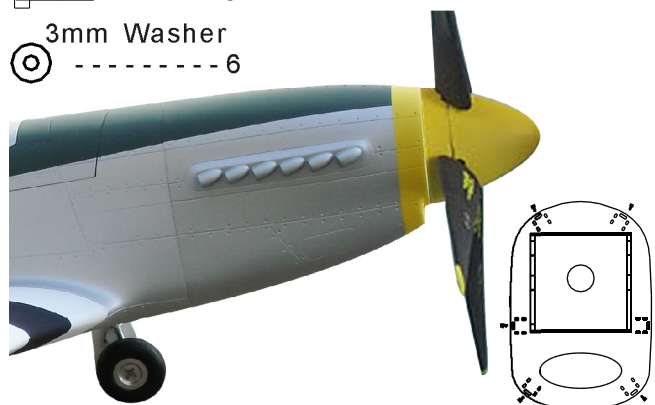
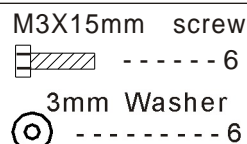
26

Assemble the servos and switch in the fuselage



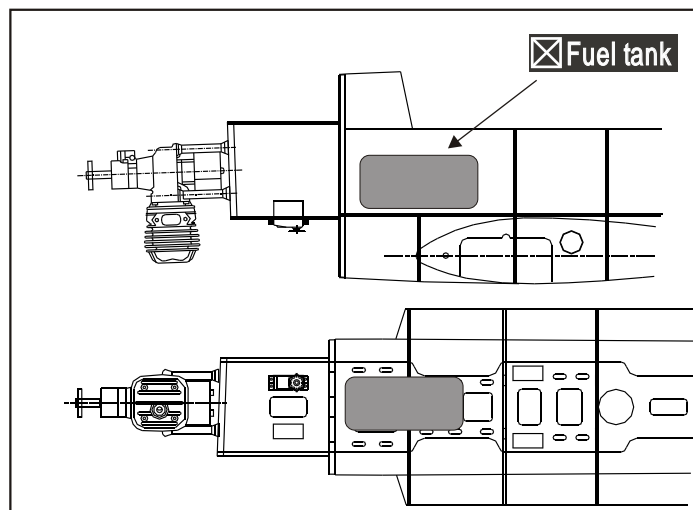
29

Assemble the canopy



27

Assemble the canopy



30

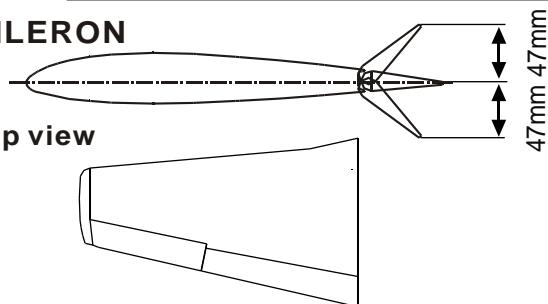


31 Adjustment.

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

Top view

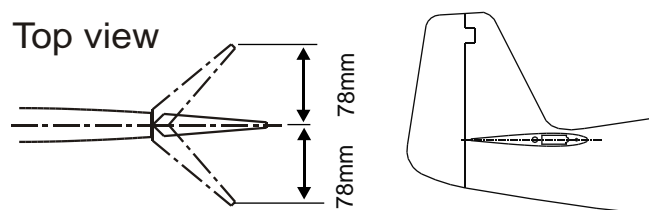


33 Adjustment.

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.

Side view

Top view

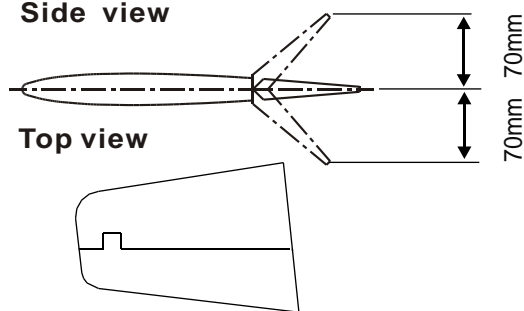


32 Adjustment.

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.

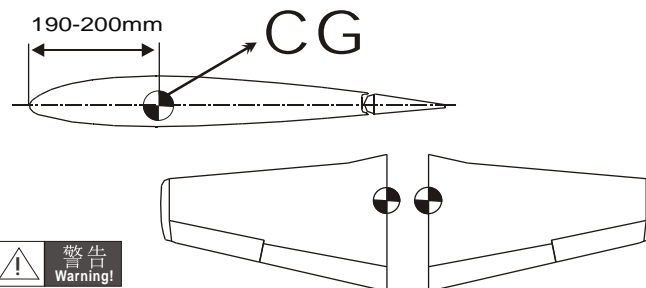
Side view

Top view



34 Centre of Gravity.

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



NEVER fly the model
without well balancing.