Before commencing assembly,please read these instructions thoroughly.

INSTRUCTION MANUAL

TL-ULTRALIGHT

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 models assembly and safe operation!
- Always keep this instruction manual ready at hand for quick reference,even after completing the assembly.

SPECIFICATION

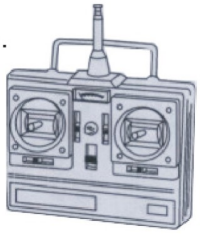
Wing Span ....2220 mm
Wing Area .....59 dm²
Length 1700mm
Engine 120-140 Glow/26ccGas
Radio ..... 5 Channel 7 servos

REQUIRED FOR OPERATION (Purchase separately)

1 A minimum 5 channel radio for airplanes (with 7 servos). And dry batteries.

CAUTION: Only use a minimum 5 channel radio for airplanes! (No other radio may be used!)

A minimum 5 channel transmitter for airplanes.

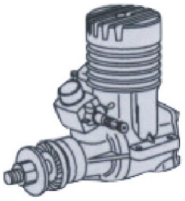


16 AA-size Batteries

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

2 Engine and Muffler
Model Airplane Engine 26 cc

Muffler



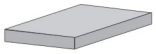
Glow plug

3 Propeller

Purchase a propeller that will match your engine

17 X 8

4 Sponge Sheet



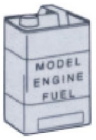
Silicone Tube

Fuel Filter

5 required for engine starting

Glow engine fuel only.

WARNING: Normal gasoline cannot be used with glow engines.



Fuel Pump

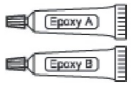
Booster Cord

4 D -size Batteries

Plug Wrench

6 Glue

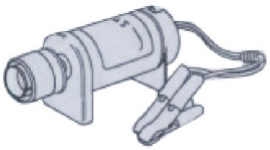
Instant glue

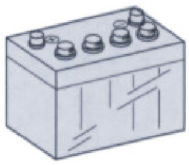


Epoxy Glue

7 Other equipment for enhancing airplane operation & perormance

12V Battery (for starter)





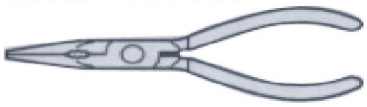
TOOLS REQUIRED (Purchase separately)

Sharp Hobby Knife

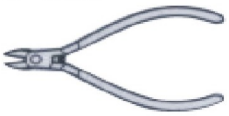
Phillips S crew D riv er

Awl

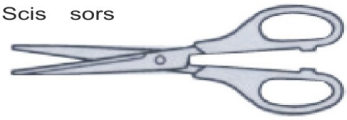
Needle Nose Pliers



W ire C utters



Scis sors



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!

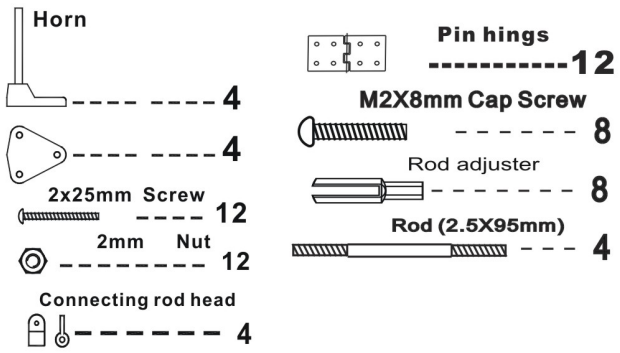
Assemble left and right sides the same way.

Cut off shaded portion.

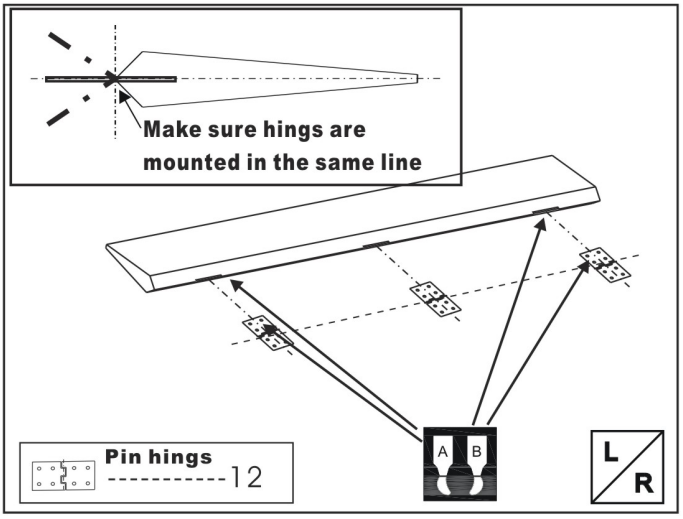
Cut off excess.

Pay close attention here

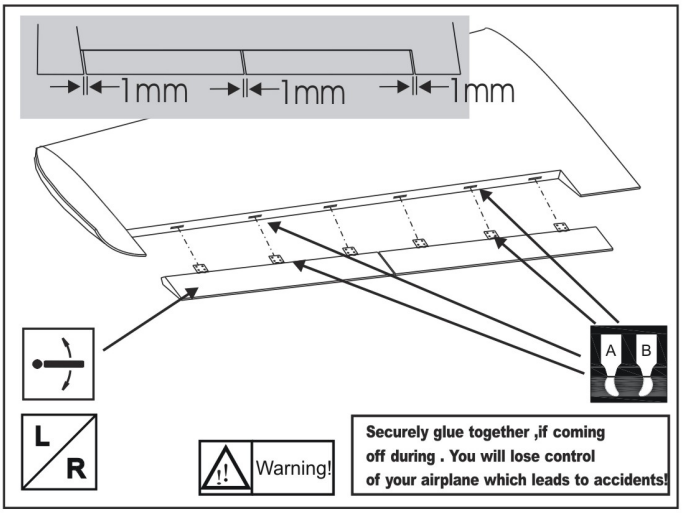
Accessory list for this page.



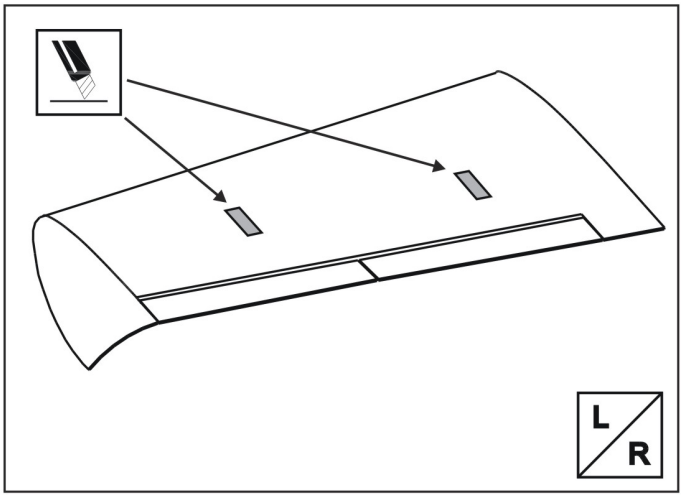
1 Epoxy pin hings to aileron steadily



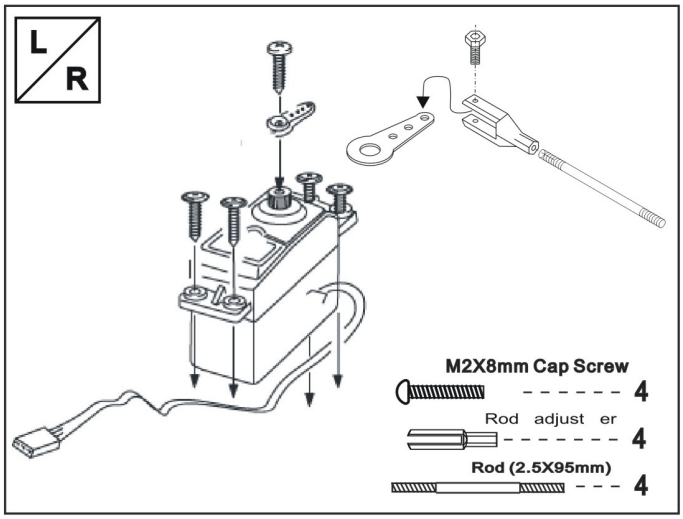
2 Install the aileron



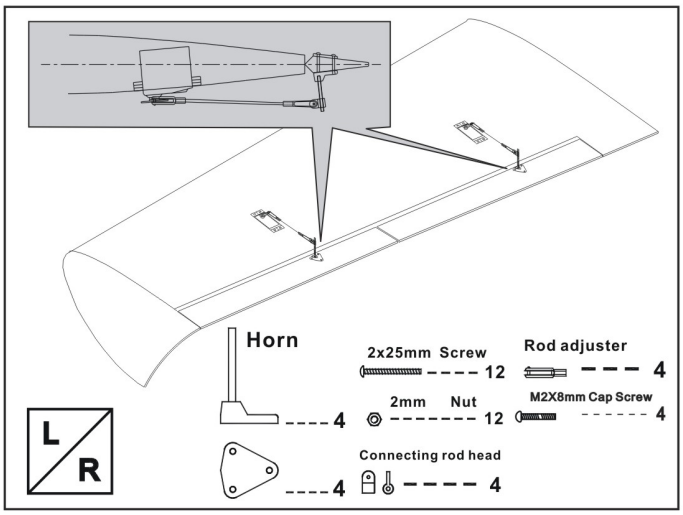
3 Install the servo



4 Install the servo



5 Install the nylon control horn

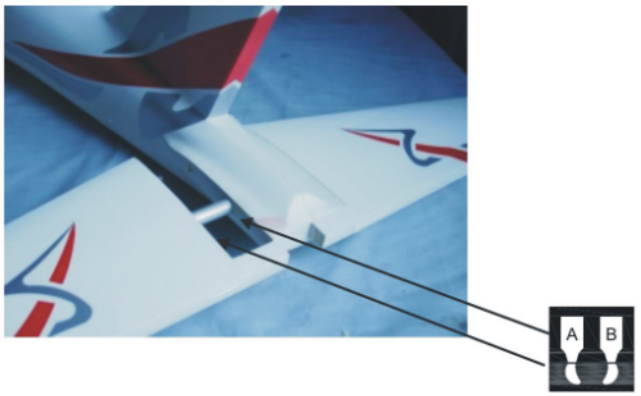


Accessory list for this page.

Nylon nut ---- 4

Pin hings ---------- 4

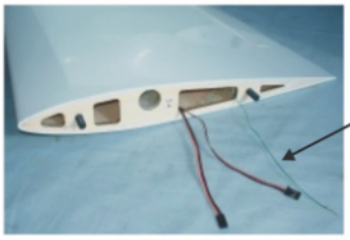
8 Epoxy the horizontal tail



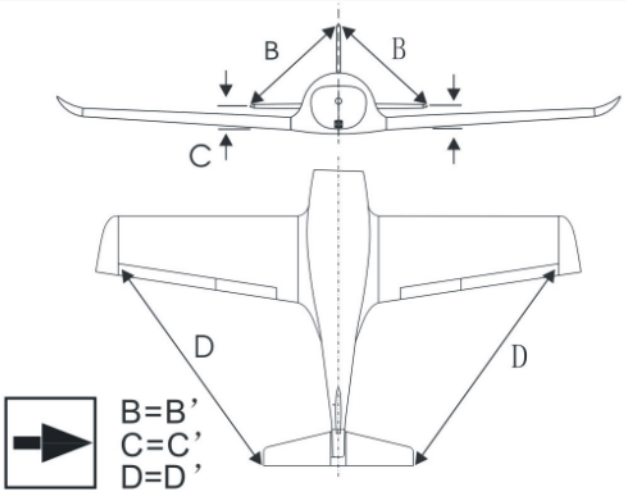
Warning!

Securely glue together ,if coming off during flights. You lose control of your airplane which leads to accidents!

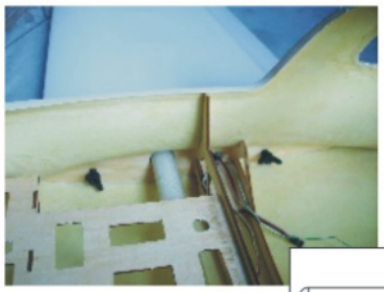
6 Install the lamp-chimney



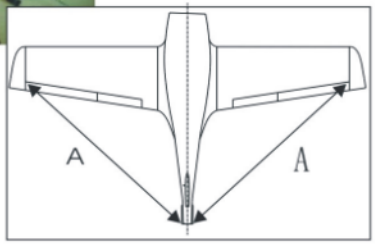
9 Assemble horizontal tail



7 Install the main wing

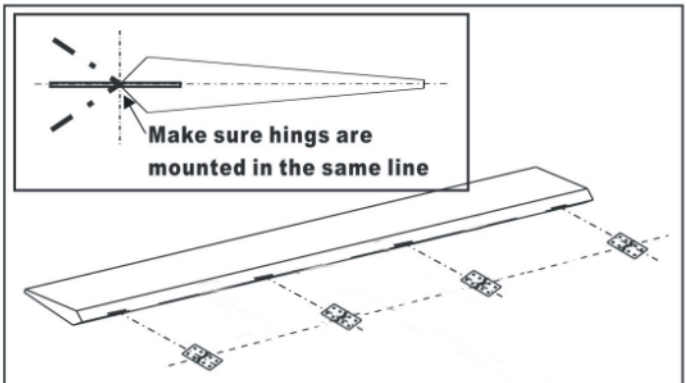


Nylon nut ---- 4



A=A'

10 Epoxy pin hings to elevator

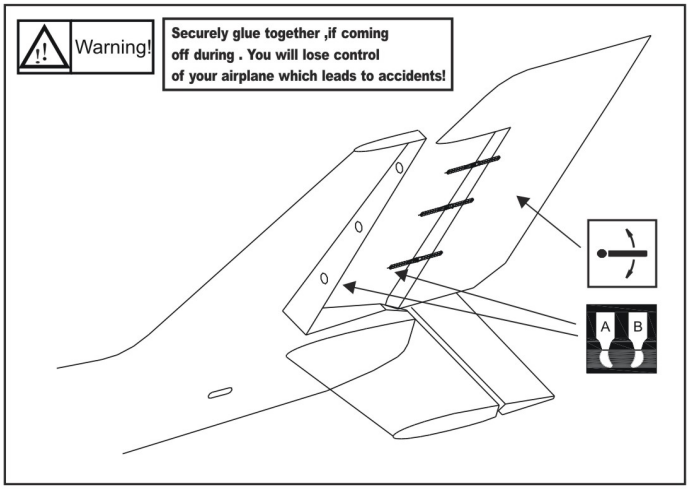


Pin hings ---------- 4

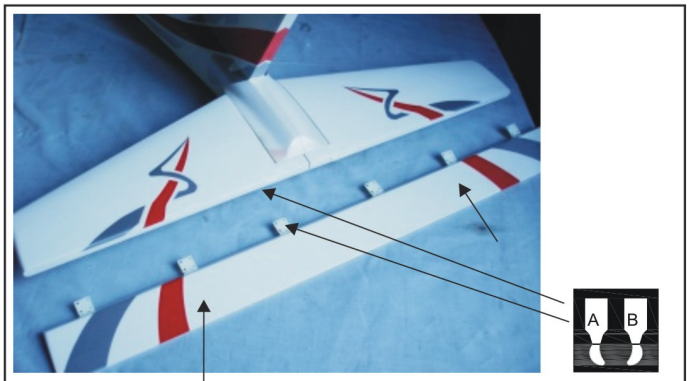
Accessory list for this page.

- Pin hings ---------3
- Copper joiner ---- 2
- Aluminum tube (3x6mm) --- --- 2
- Steel wire ------ 2
- Rod adjuster ------3
- Horn ---- 3
- ---- 1
- 2x25mm Screw ----6
- 2mm Nut -------- 6
- Connecting rod head ---- 3
- Wood rod --- 1
- Elevator rod -------- 2
- Pyrocondensation tube ---- 2
- M2X8mm Cap Screw ------ 3

13 Epoxy rudder hinges steadily in position



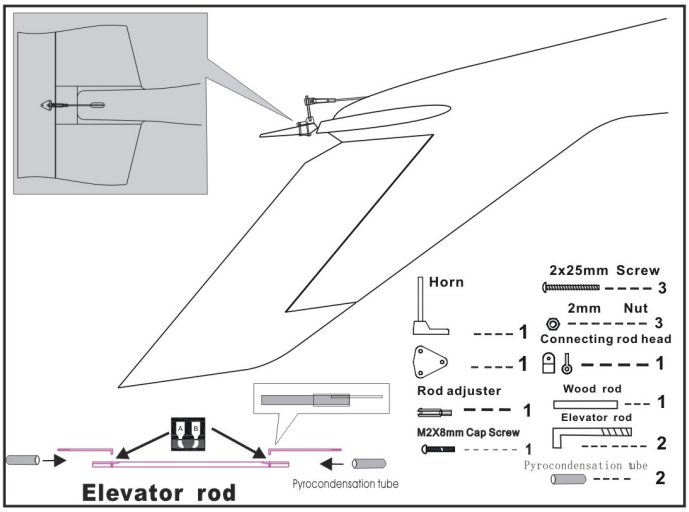
11 Attach elevator to horizontal tail



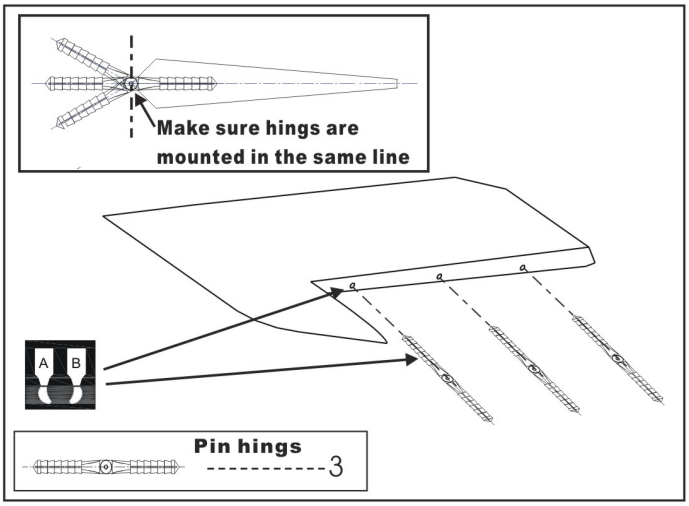
Securely glue together ,if coming off during . You will lose control of your airplane which leads to accidents!

Warning!

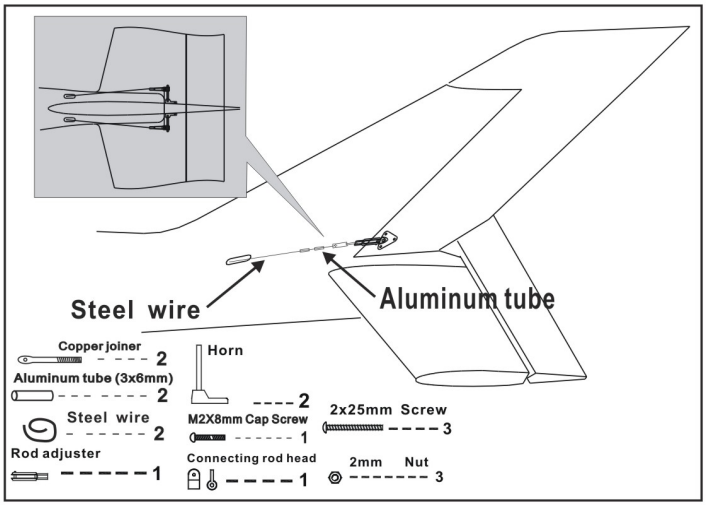
14 Elevator . Connect the linkage rod to the horn



12 Epoxy pin hings to rudder



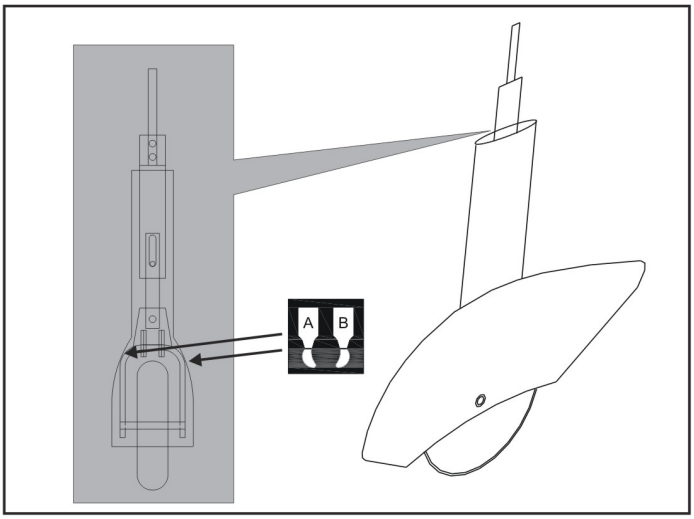
15 Rudder . Connect the linkage rod to the horn



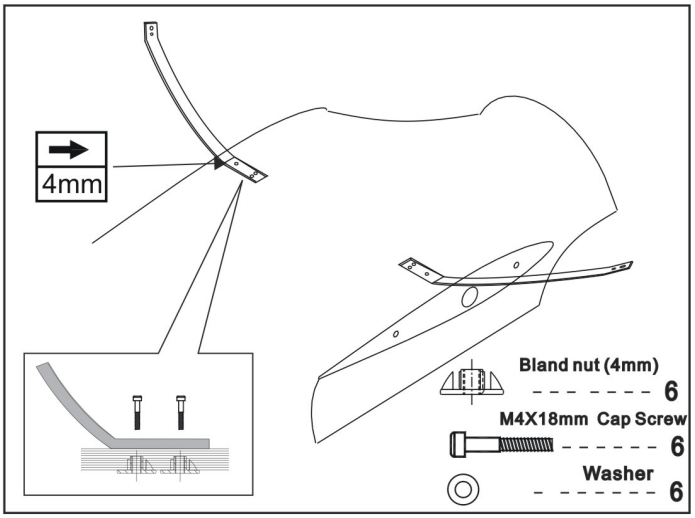
Accessory list for this page.

- Bland nut (4mm) - - - - - - - - 6
- M4X18mm cap screw - - - - - - - 6
- Washer - - - - - - - - 6
- 4x4mm Screw - - - - - - - 1
- Bland nut (3mm) - - - - - - - - 4
- M3X25mm Cap screw - - - - - 4
- Steel wire -------2
- Rod adjuster -------2
- M2X8mm cap screw --------2
- Copper joiner -----2
- Aluminum tube (3x6mm) --------4

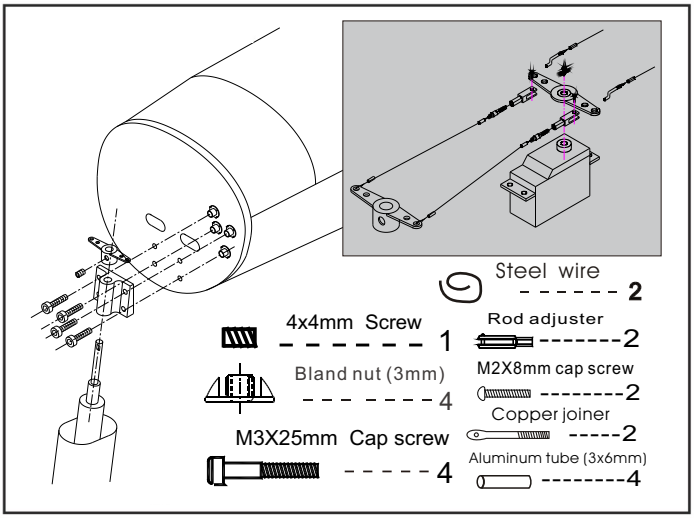
18 Attach tlanding wire to oleo strut



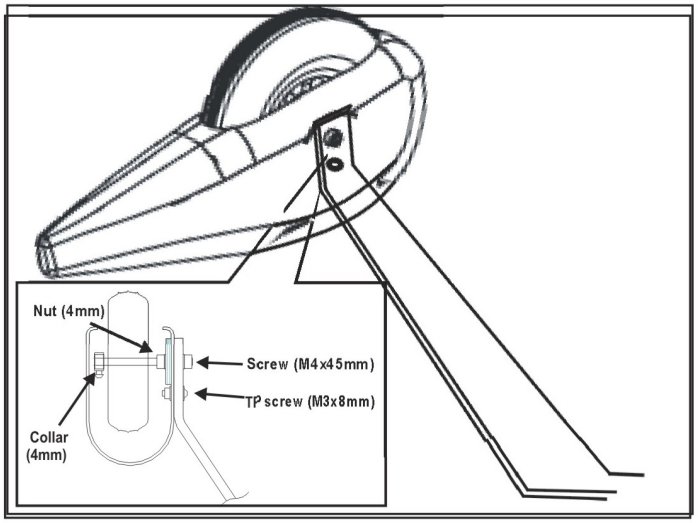
16 Install the main landing gear



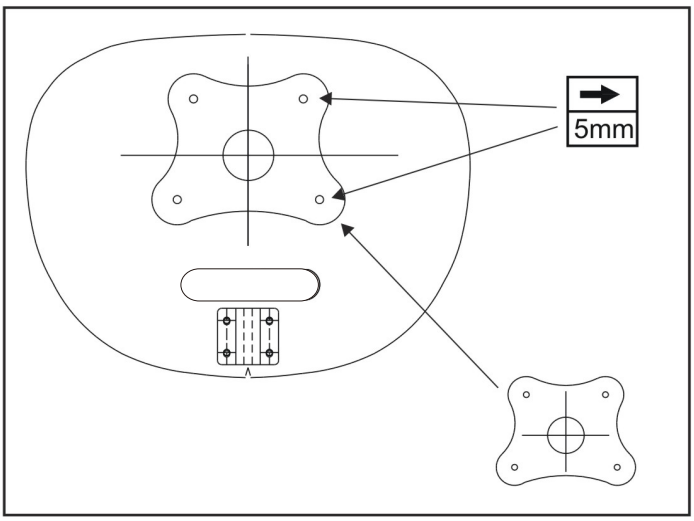
19 Connect the rod to the arm as shown



17 Attach wheel pant to landing gear



20 Drill four holes at the diameters as shown



Accessory list for this page.

Copper joiner ---- 2

Aluminum tube (3x6mm) ---- 2

Rod adjuster ---- 2

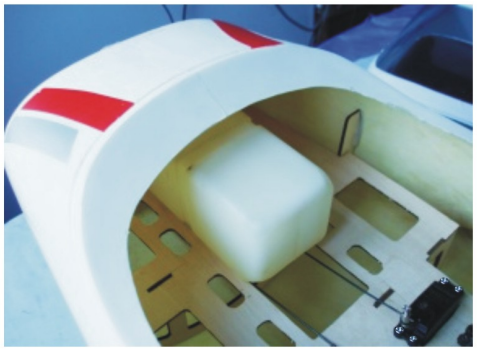
Linkage Stopper — — — 2

Nut (2mm) — — — 2

Set screw (3x4mm) — — — 2

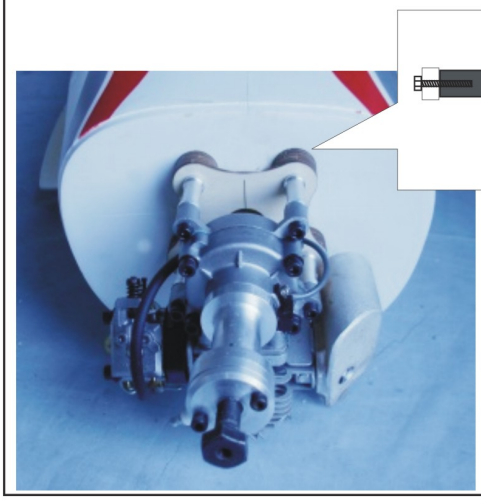
1.8X450mm Front-wheel Rod ---- 1

23 Mount the fuel into the fuselage



Fuel tank ----------1

21 Assemble the engine

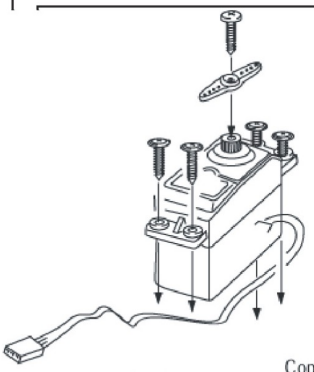


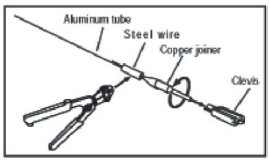
M5X25mm Screw --- 4

M5X35mm Screw --- 4

5mm Washer ------ 4

24 Install the nylon control ring for switch and connect the linkage



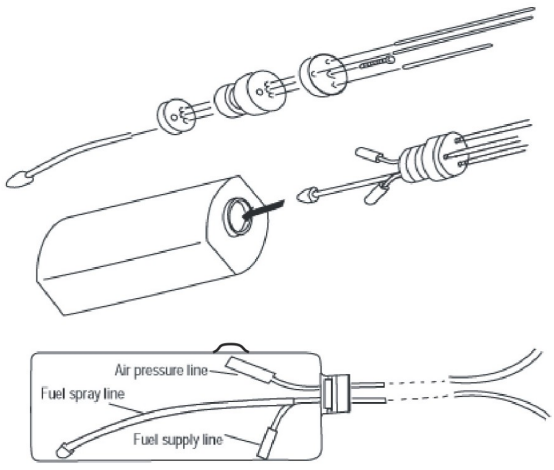


Copper joiner — — — — 2

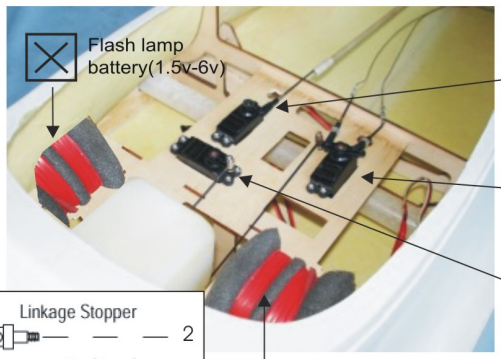
Aluminum tube(3x6mm) — — 2

Clevis — — — — 3

22 Assembly of the fuel tank



25 Assemble the servos and switch in the fuselage



Linkage Stopper — — — 2

Nut (2mm) — — — 2

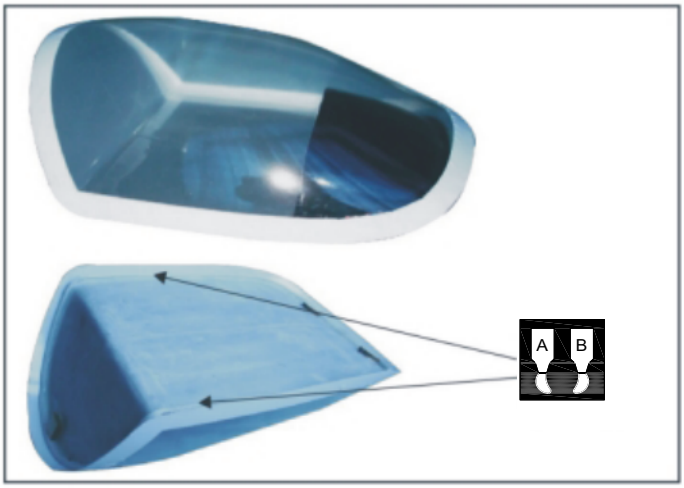
Set screw (3x4mm) — — — 2

(Battery/ Receiver)

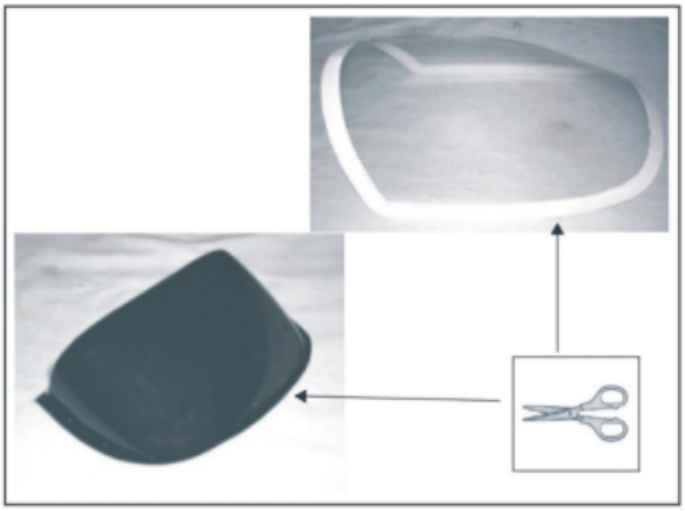
1.8X450mm Front-wheel Rod --- 1

Accessory list for this page.

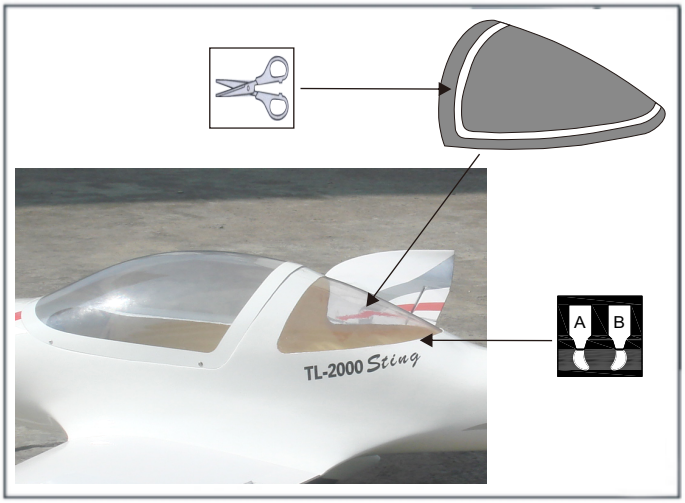
28 Fix the canopy with self - tapping screws



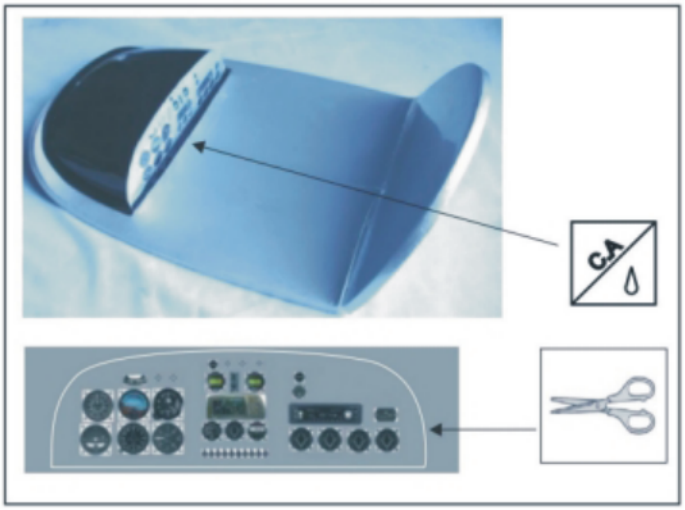
26 Cut off the surplus part along the shaded area



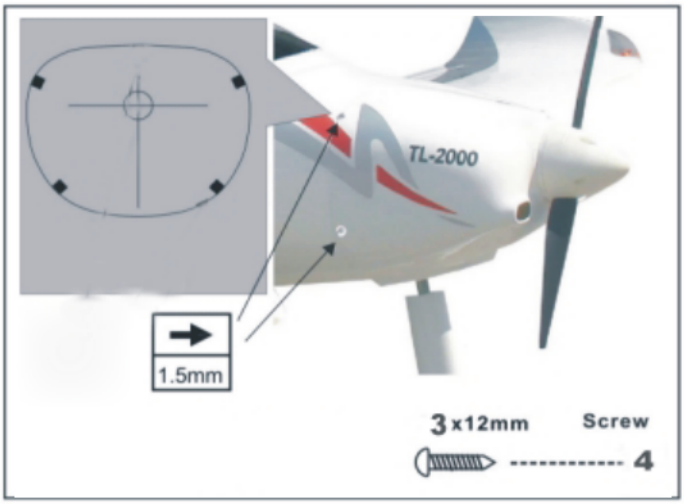
29 Install the canopy



27 Instrument board

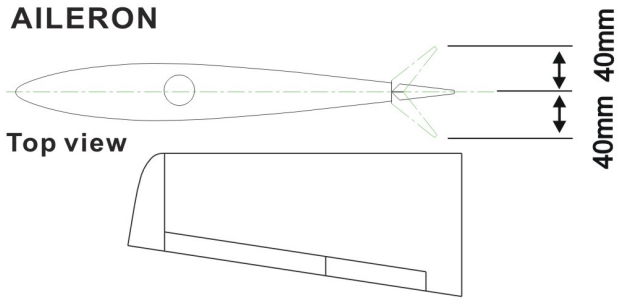


30 Install the cowl



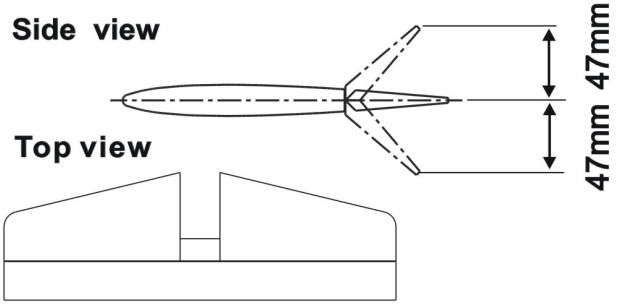
31 Adjustment.

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.



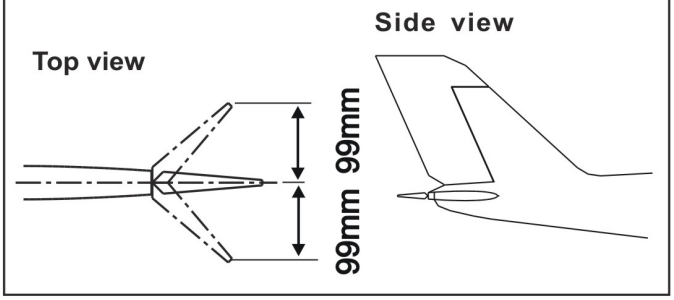
32 Adjustment.

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.



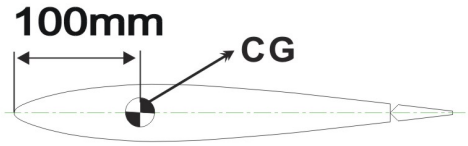
33 Adjustment.

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.

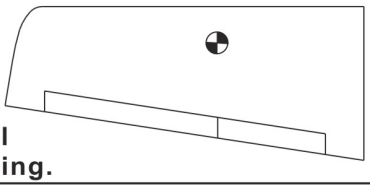


34 Centre of Gravity.

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.



35 Spread a diagram