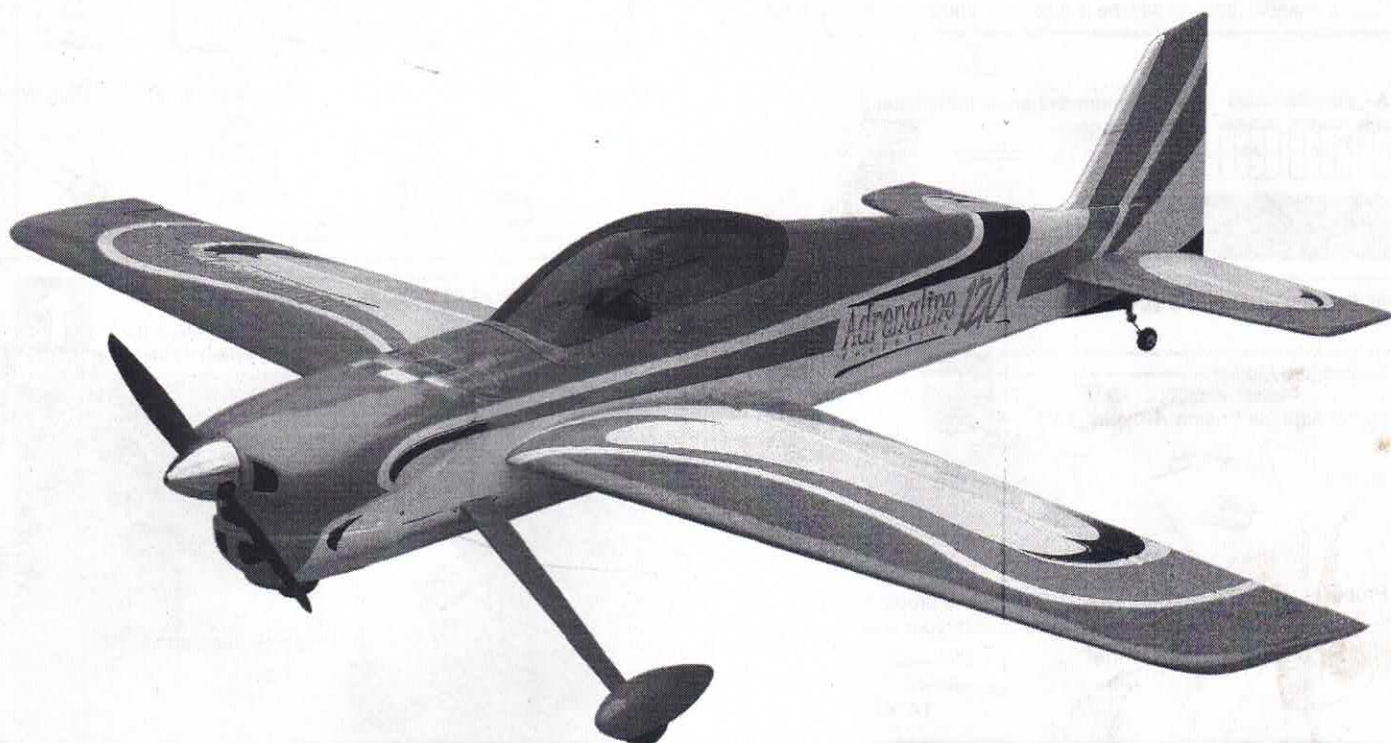


Before start ,please carefully read the explanations!

ADRENALINE



Specification:

Length	:1700 mm(66.9")
Wing Span	:1727 mm(68")
Wing Area	:57.5 sq. dm 6.2 sq. ft
Wing Loading	:64.4 g/sq. dm 21.1 oz/sq. ft
Flying Weight	:3.7 kg(130.5oz)
Radio	:5ch&6 servos
Engine	:108 2-cycle 120 4-cycle

INSTRUCTION MANUAL



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 a 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.

REQUIRED FOR OPERATION (Purchase separately!)



CAUTION: For details concerning the equipment listed below (size, maker, etc.), check with your hobby shop.

1

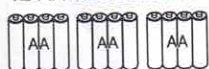
A minimum 5 channel radio for airplanes (with 6 servos), and dry batteries.



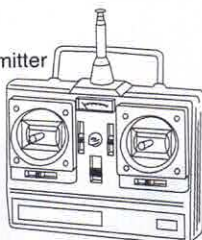
CAUTION: Only use a minimum 5 channel radio for airplanes! (No other radio may be used!)

5 channel radio for airplane is highly recommended for this model.

12 AA-size Batteries



A minimum 5 channel transmitter for airplanes.



Choose servos with large torque to achieve great performance.

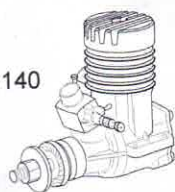
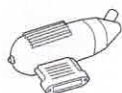
For handling the radio properly, refer to its instruction manual.

2

Engine and Muffler

Model Airplane Engine 4-cycle .140

Muffler



Glow Plug



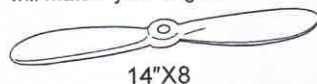
3

Propeller Spinner



64mm Spinner

Purchase a propeller that will match your engine.



14"X8

4

Sponge Sheet



Silicone Tube



Fuel Filter



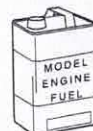
5

Required for engine starting:



WARNING: Normal gasoline cannot be used with glow engines.

Glow engine fuel only.



Fuel Pump



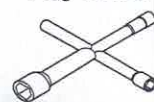
Booster Cord



4 D-size Batteries



Plug Wrench



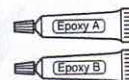
6

Glue

Instant Glue



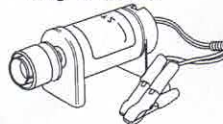
Epoxy Glue



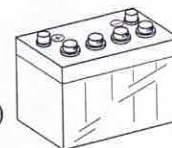
7

Other equipment for enhancing airplane operation & performance

Engine Starter



12V Battery (for starter)



TOOLS REQUIRED (Purchase separately!)

Sharp Hobby Knife



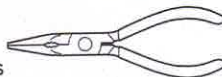
Phillips Screw Driver (l, m, s)



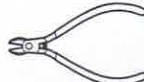
Awl



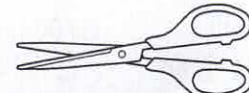
Needle Nose Pliers



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:



Apply epoxy glue.



Drill holes with the specified diameter (2mm).



Cut off excess.



Pay close attention here!



Assemble left and right sides the same way.



Apply instant glue (CA glue, super glue).



Cut off shade portion.



Ensure smooth non-binding movement while assembling.



Must be purchased separately!

Do not overlook this Symbol!

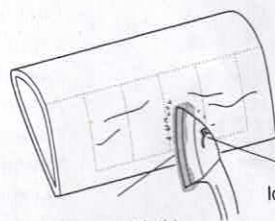


Warning!

Warning

Remove the covering with proper pressure to cut through only the covering itself. Otherwise, cutting down into the balsa structure may weaken the model part and cause accident.

The pre-covered film on ARF kits may wrinkle due to variations of temperature. Smooth out as explained right.



with cover (cloth)

low setting

► Use an iron covered with a cloth! Start at low setting. Increase the setting if necessary. If it is too high, you may damage the film.



Apply instant glue (CA glue, super glue).



Apply epoxy glue.



Assemble left and right sides the same way.



Ensure smooth non-binding movement while assembling.



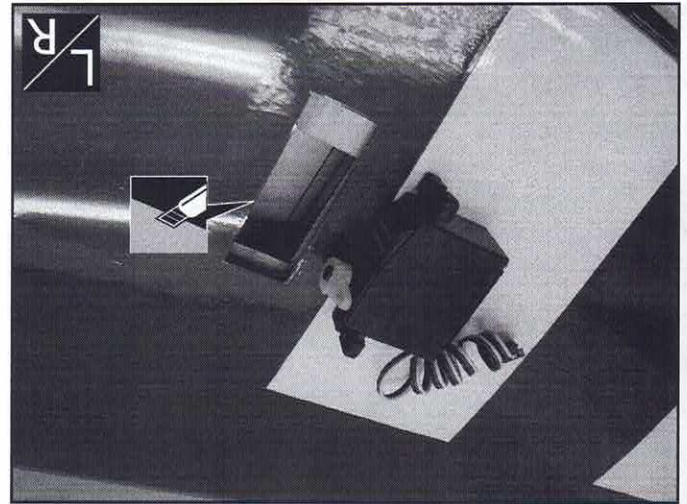
Cut off shaded portion.



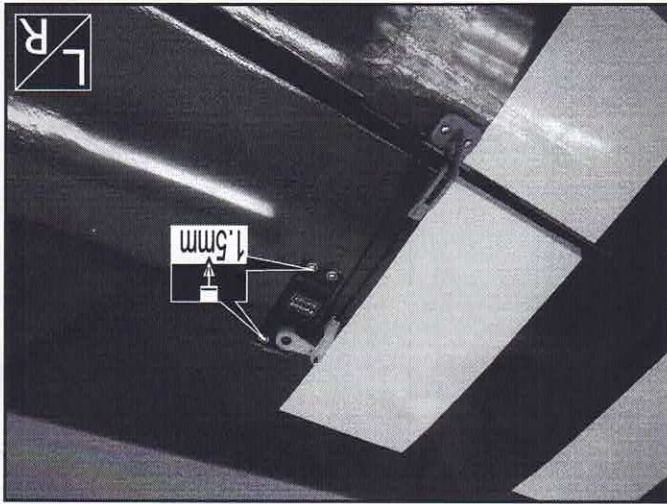
Pay close attention here!



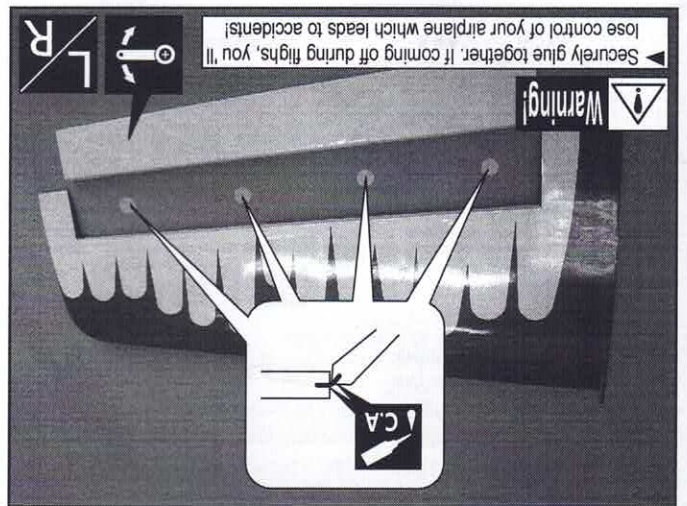
Do not overlook this symbol!
Warning!



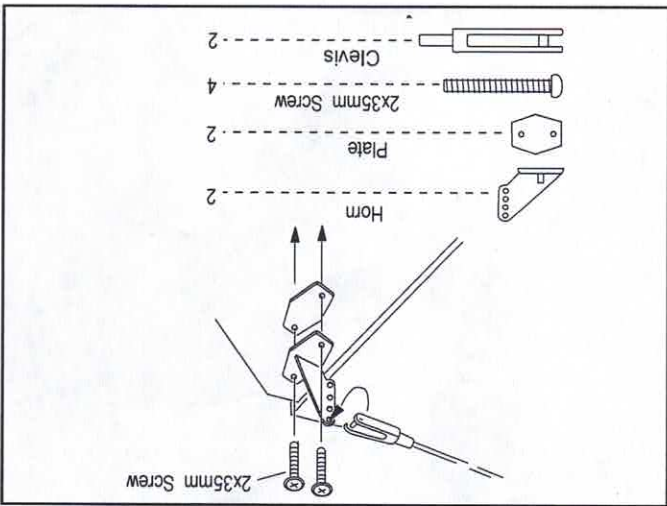
2 Cut off the film carefully for mounting the aileron servo tray.



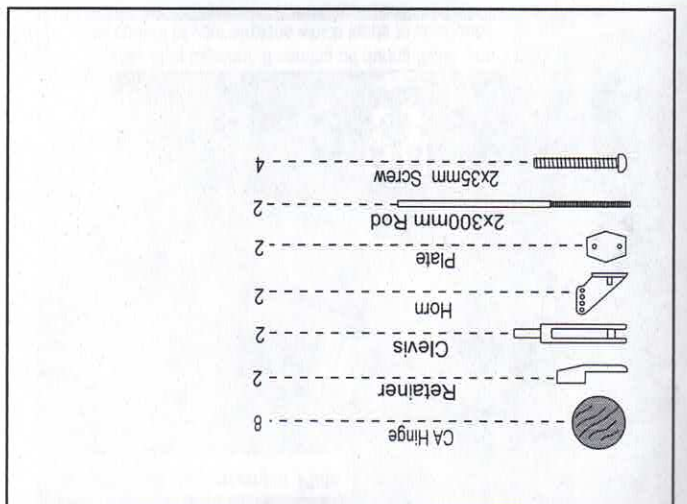
5 Secure the aileron servo. Install the nylon control horn and connect the linkage.



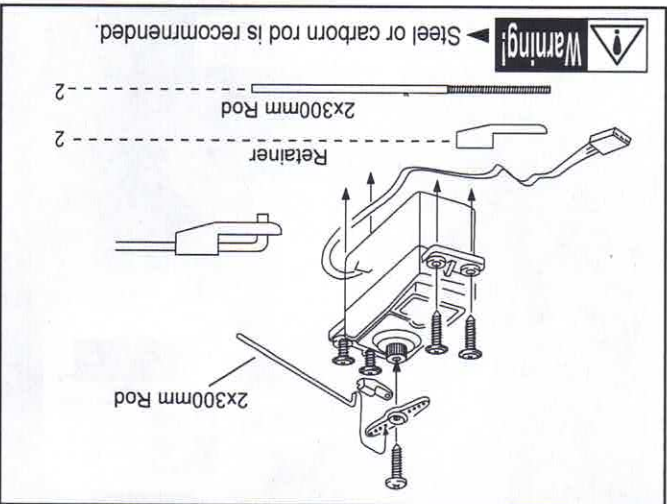
1 Apply instant type CA glue to both sides of each hinge.



4 Connect the linkage rod to the horn.



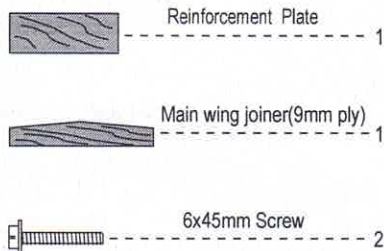
Accessory list for this page.



3 Install the servo.

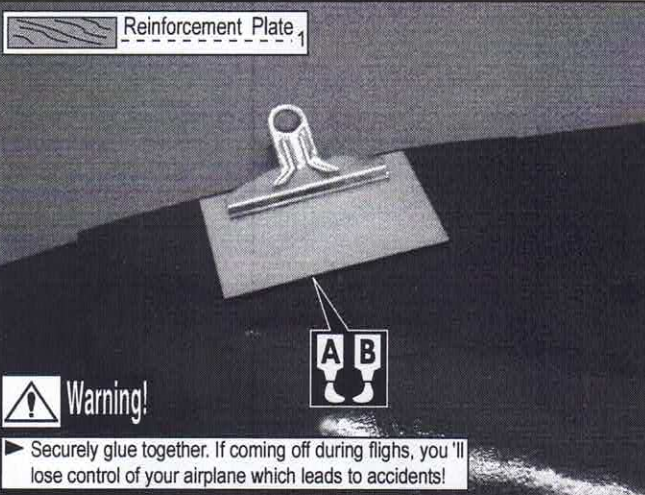


Accessory list for this page.



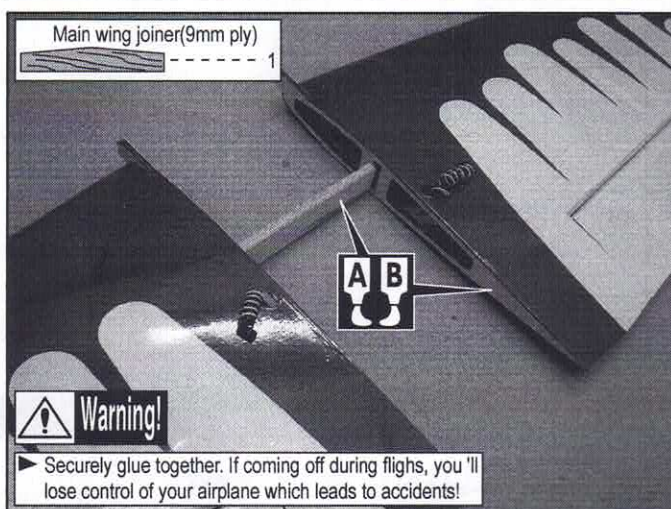
8

Epoxy the reinforcement plate securely to the main wing.



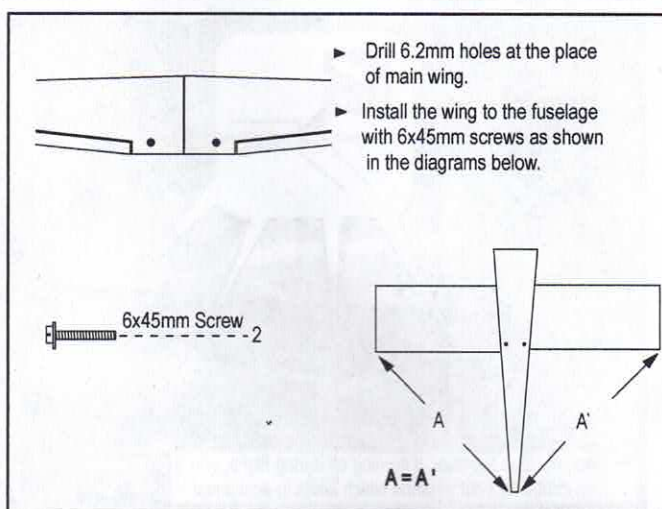
6

Epoxy two main wing panels together.



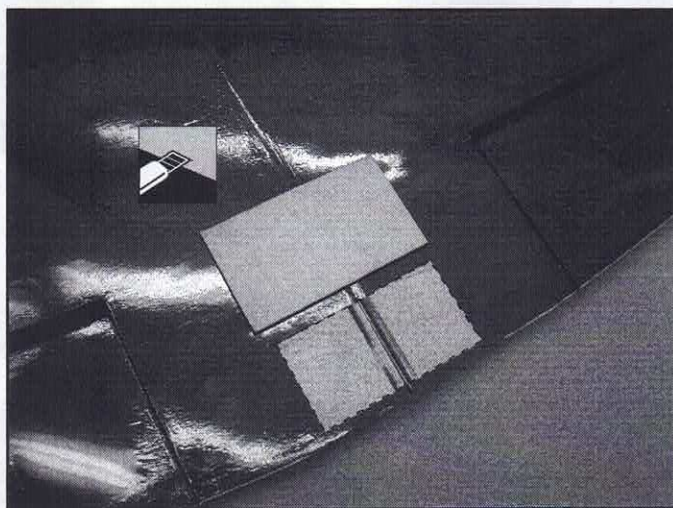
9

Install the main wing.



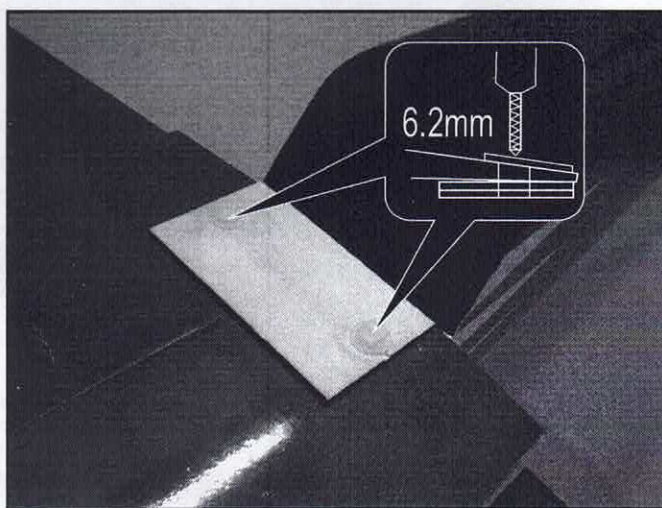
7

Peel off the film carefully on the position for the reinforcement plate.



10

Mount the main wing on the fuselage.



Apply epoxy glue.



Assemble left and right sides the same way.



Pay close attention here!



Apply instant glue (CA glue, super glue).



Ensure smooth non-binding movement while assembling.



Cut off shaded portion.



Do not overlook this symbol!



Apply instant glue (CA glue, super glue).



Ensure smooth non-binding movement while assembling.



Apply epoxy glue.



Assemble left and right sides the same way.



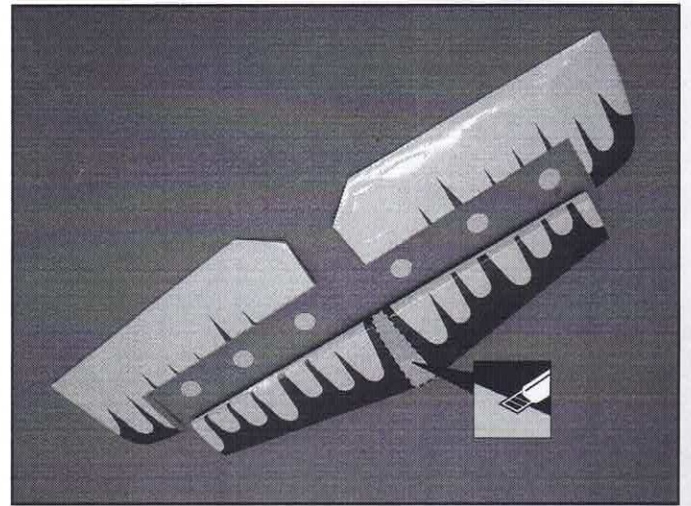
Cut off shaded portion.



Pay close attention here!



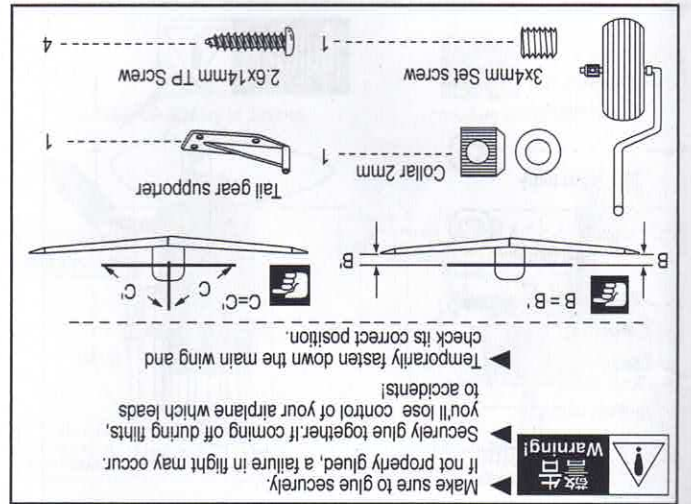
Do not overlook this symbol!



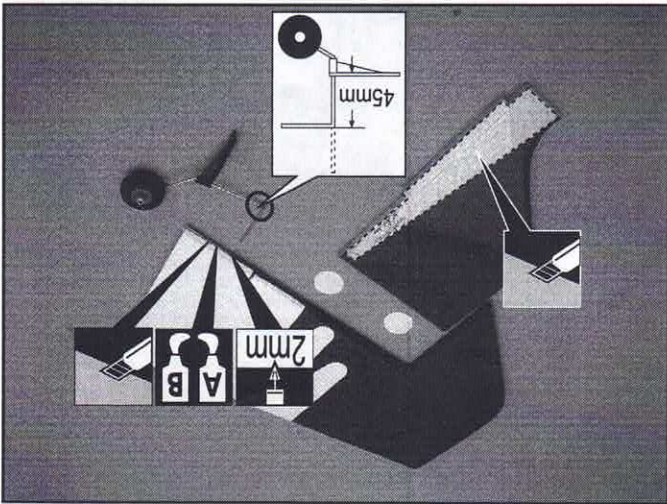
12 Cut off the film carefully as shown on the horizontal tail.



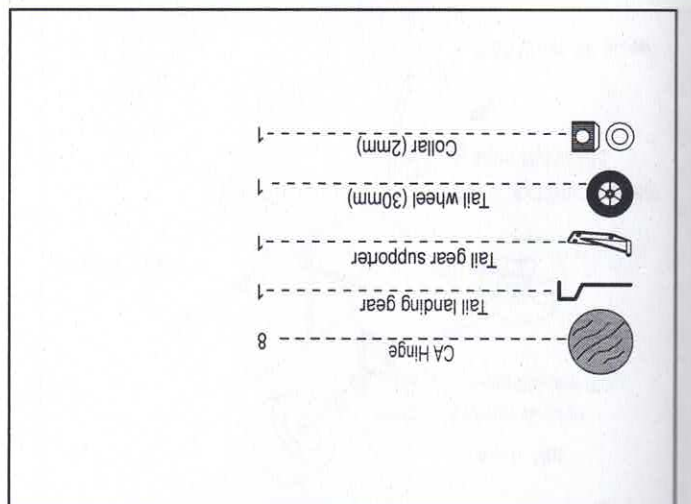
15 Epoxy vertical tail and rudder steadily in position.



11 Assemble horizontal tail, vertical tail, tail gear separately.



14 Epoxy the tail landing gear on the rudder. Cut off the film carefully as shown on the vertical tail.



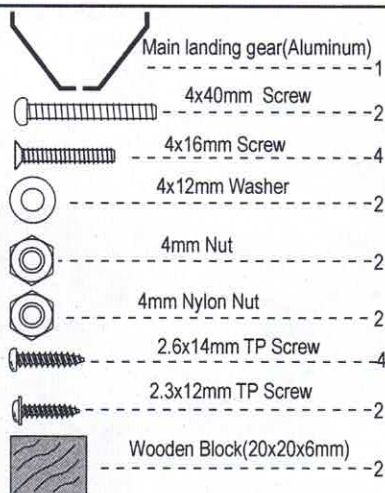
Accessory list for this page.



13 Install horizontal tail and elevator separately.

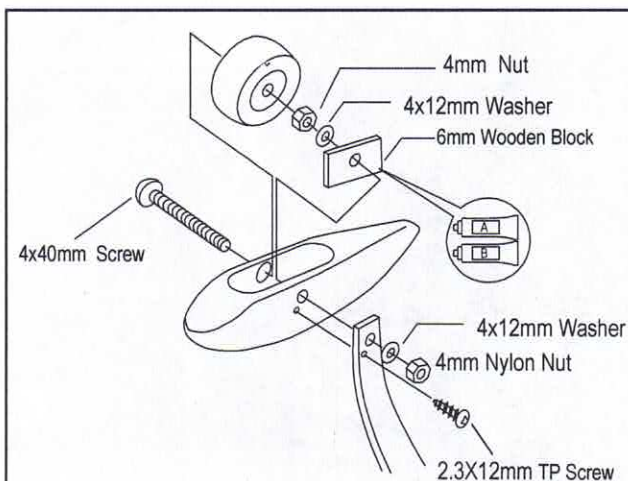


Accessory list for this page.



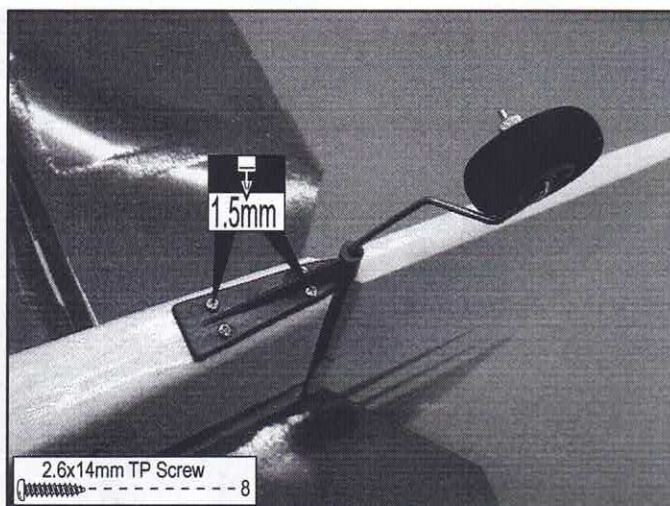
18

Insert landing gear together with wheel into the wheel pant and secure it with TP screw.



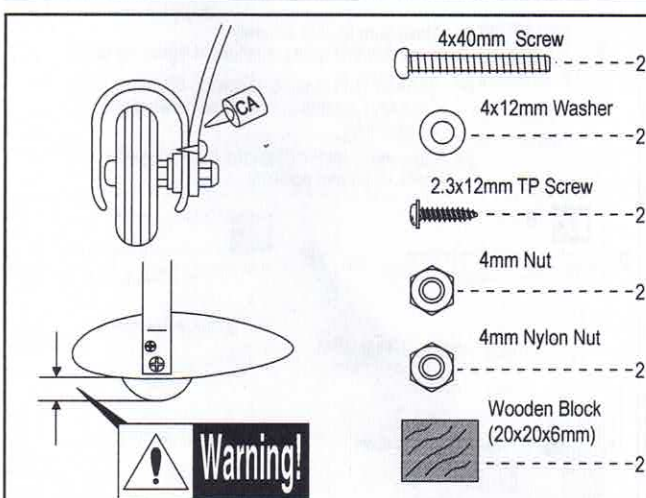
16

Assemble the tail wheel mount.



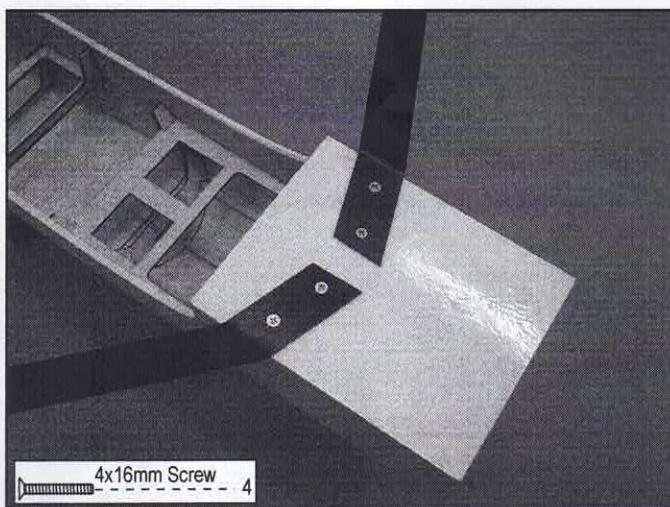
19

Attachment of the spats and the tires.



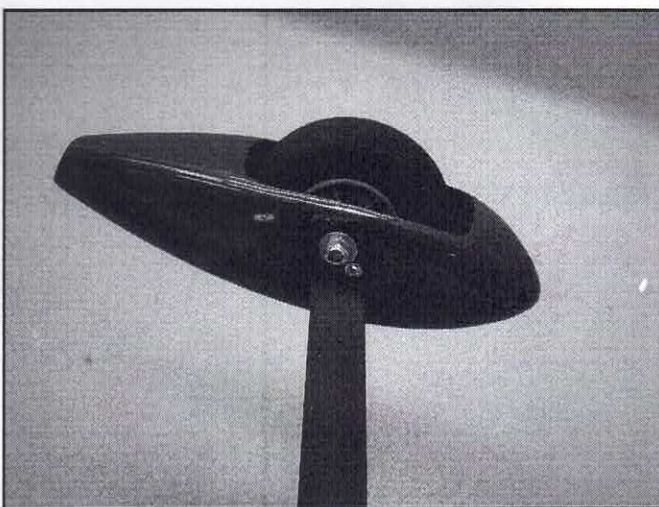
17

Attachment of the main landing gear.



20

Insert landing gear together with wheel into the wheel pant and secure it with TP screw.



Apply epoxy glue.



Assemble left and right sides the same way.



Pay close attention here!



Apply instant glue (CA glue, super glue).



Ensure smooth non-binding movement while assembling.



Cut off shaded portion.



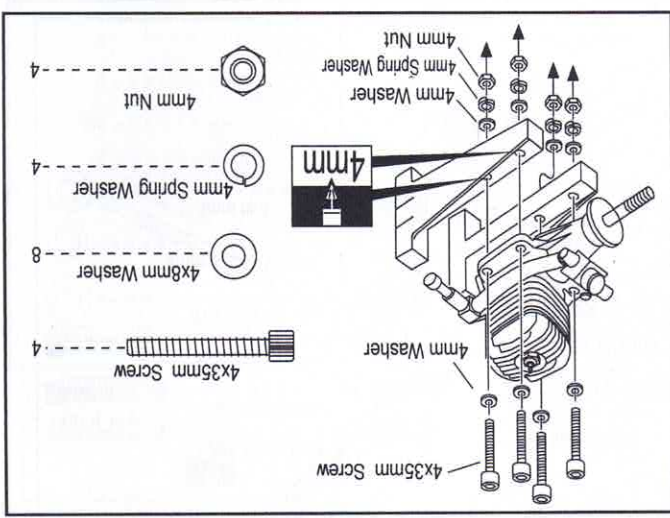
Do not overlook this symbol!



Accessory list for this page.

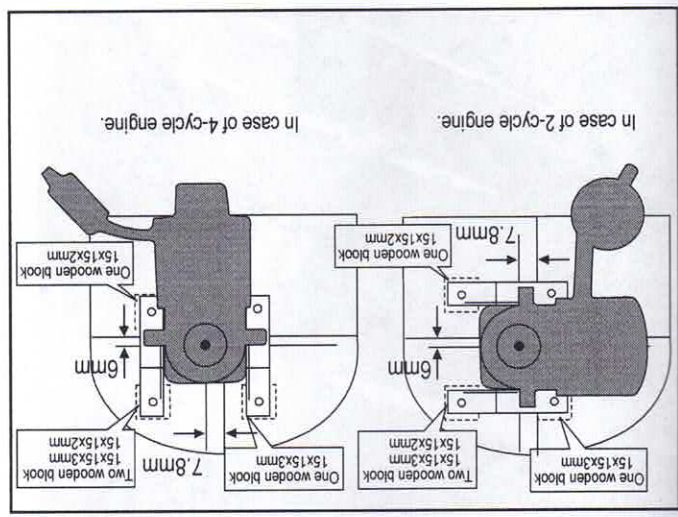
23

Assemble the engine.



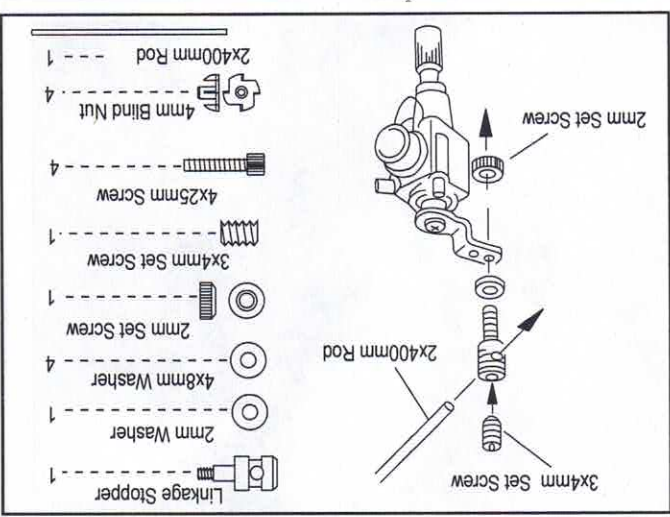
21

Assemble the engine.



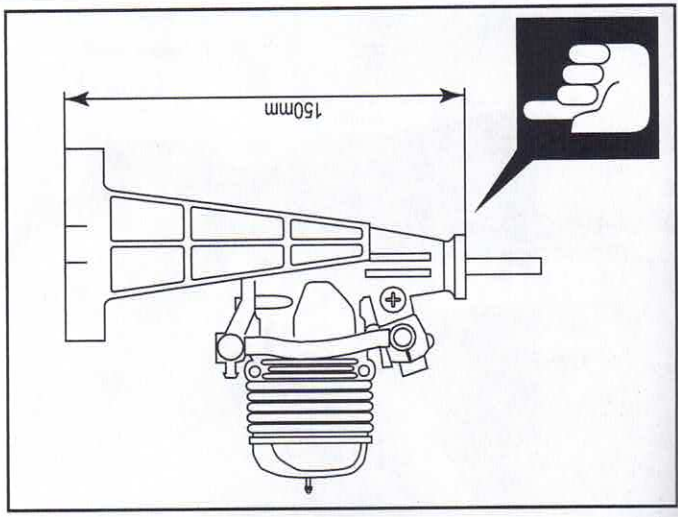
24

Assemble the engine.



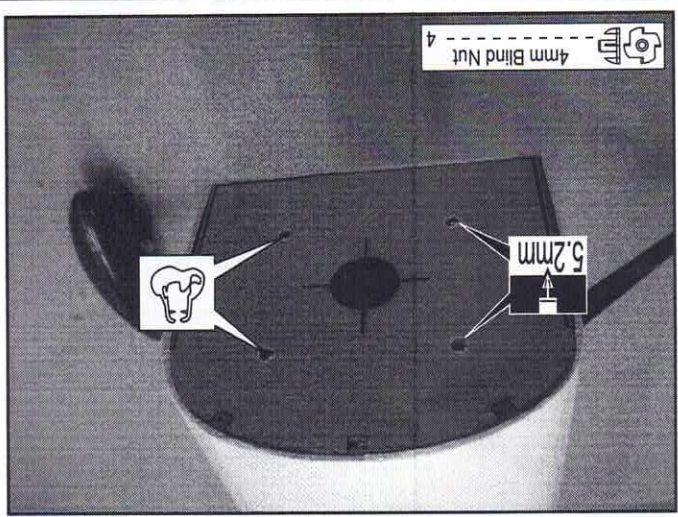
22

Assemble the engine.



25

Drill four holes at the diameters as shown for engine mount.



Apply epoxy glue.



Assemble left and right sides the same way.



Ensure smooth non-binding movement while assembling.



Pay close attention here!



Cut off shaded portion.



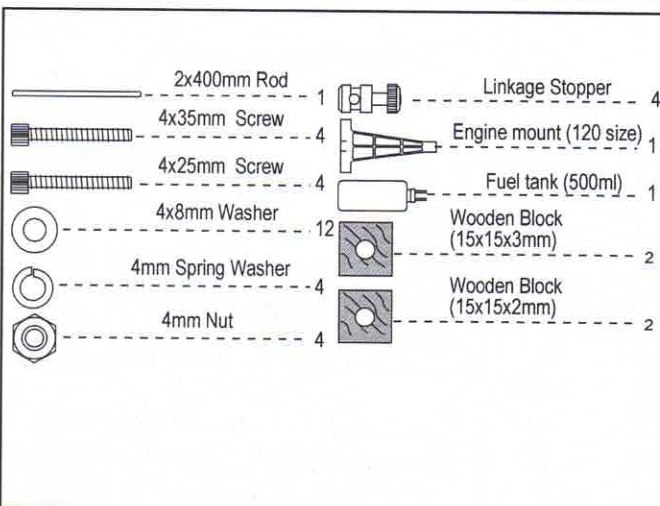
Apply instant glue (CA glue, super glue).



Do not overlook this symbol!

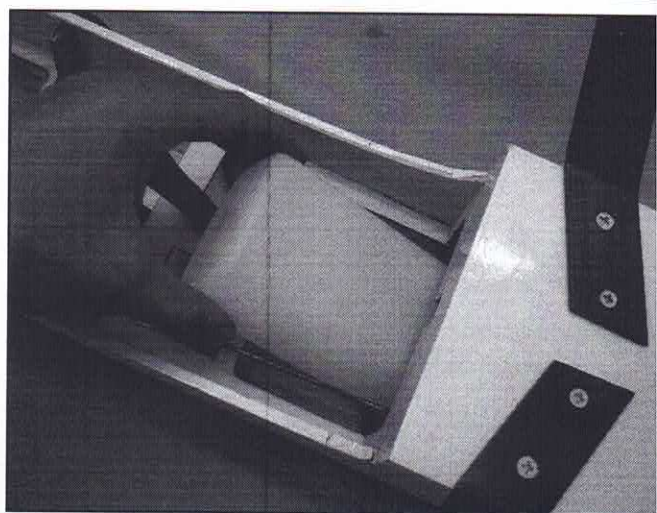


Accessory list for this page.



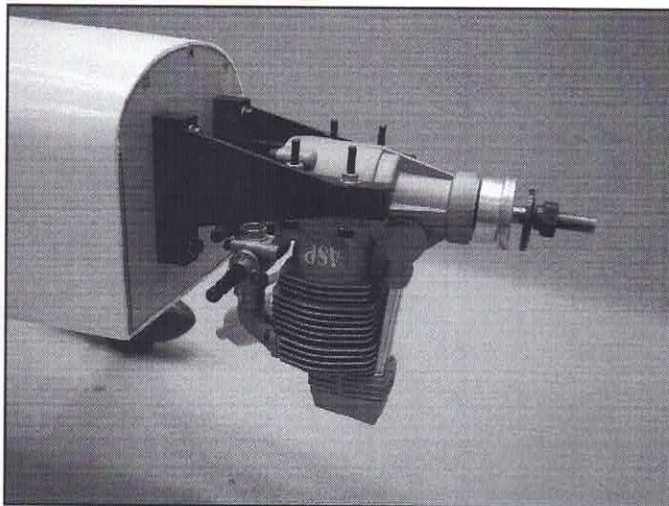
28

Mount the fuel tank into the fuselage.



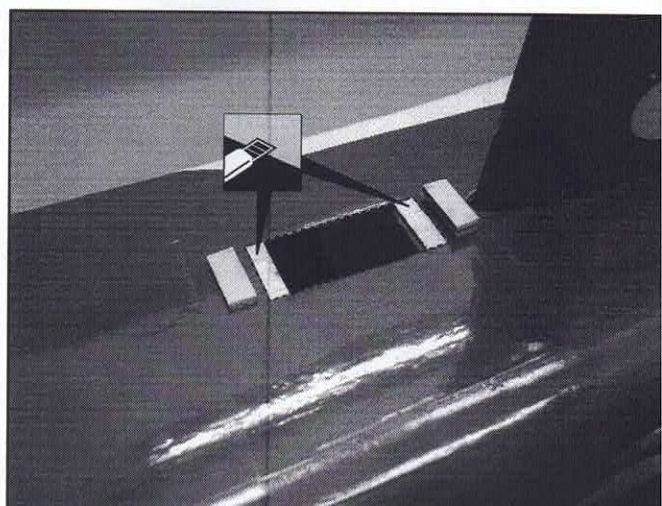
26

Install the engine.



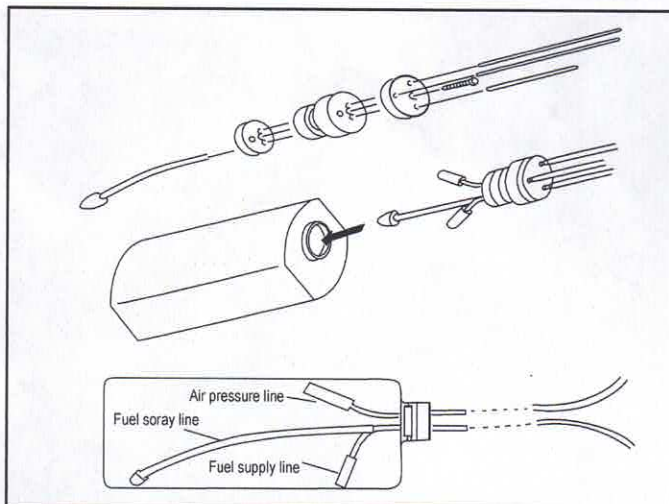
29

Cut off the film carefully for mounting the elevator servo.



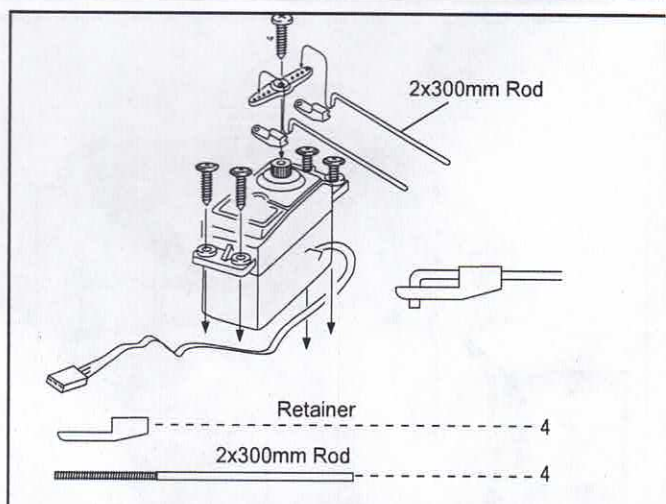
27

Assembly of the fuel tank.



30

Install the servo.



Apply epoxy glue.



Assemble left and right sides the same way.



Pay close attention here!



Apply instant glue (CA glue, super glue).



Ensure smooth non-binding movement while assembling.



Cut off shaded portion.

Do not overlook this symbol!



Warning!



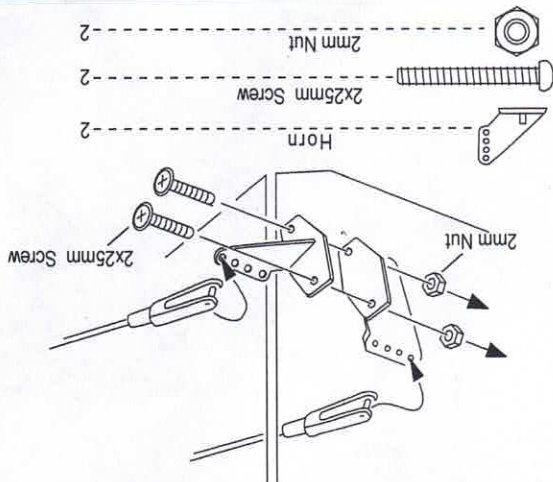
32



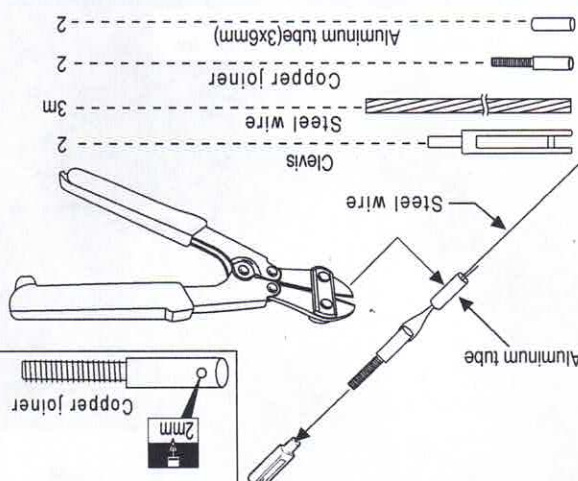
35



31



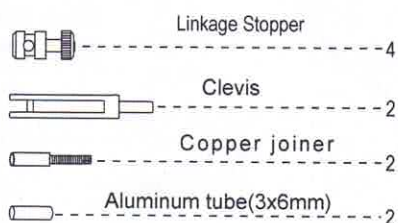
34



33

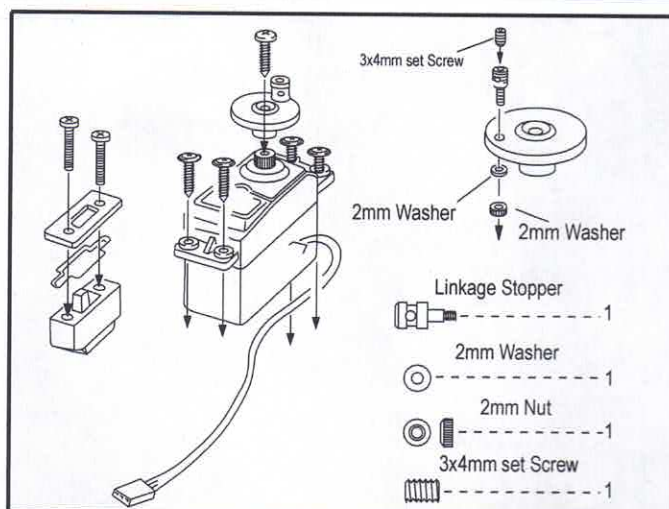


Accessory list for this page.



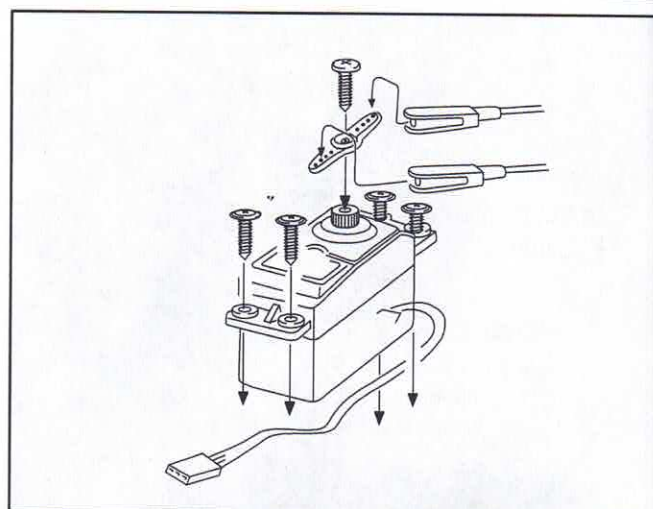
36

Assemble the servos and switch in the fuselage.



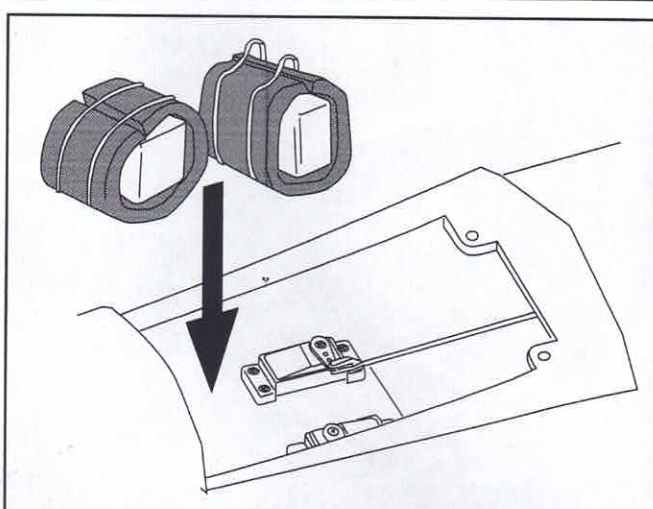
38

Install the servo.



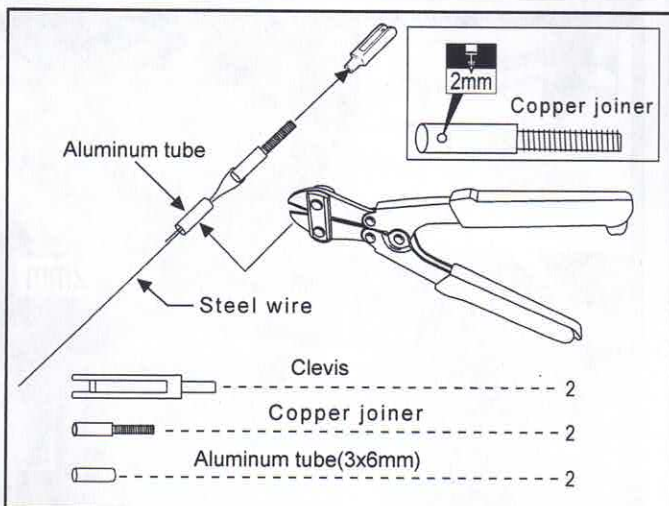
39

Mounting of the receiver and the battery.



37

Insert the steel wire to the copper joiner and fasten it. Then connect the copper joiner with clevis.



40

Assemble the servos and switch in the fuselage.



Apply epoxy glue.



Assemble left and right sides the same way.



Pay close attention here!



Apply instant glue (CA glue, super glue).



Ensure smooth non-binding movement while assembling.



Cut off shaded portion.

Do not overlook this symbol!



Warning!



Apply instant glue (CA glue, super glue).



Ensure smooth non-binding movement while assembling.



Assemble left and right sides the same way.



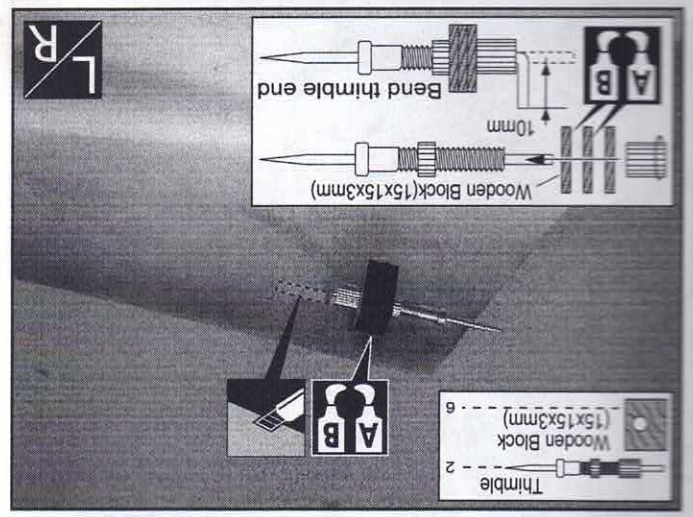
Pay close attention here!



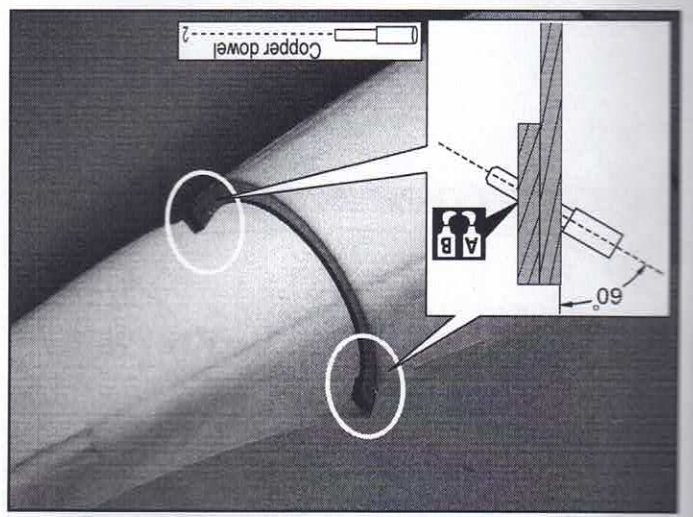
Cut off shaded portion.



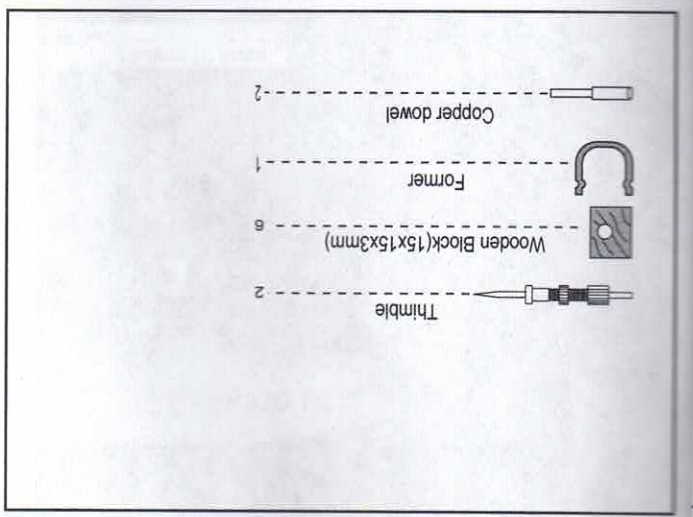
Do not overlook this symbol!



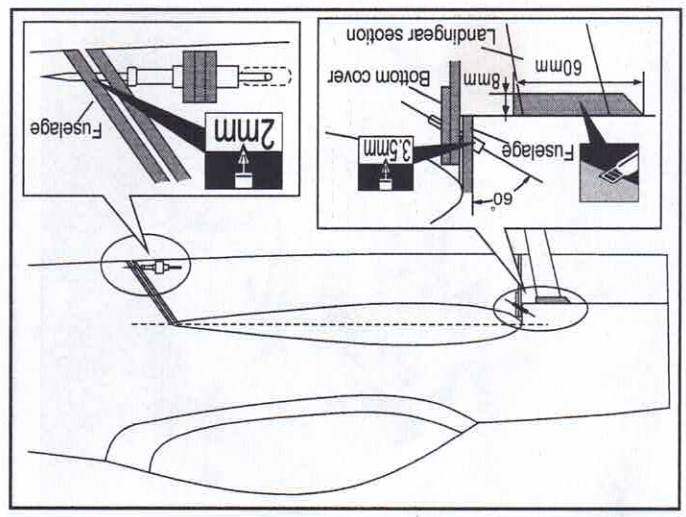
42 Install thimble.



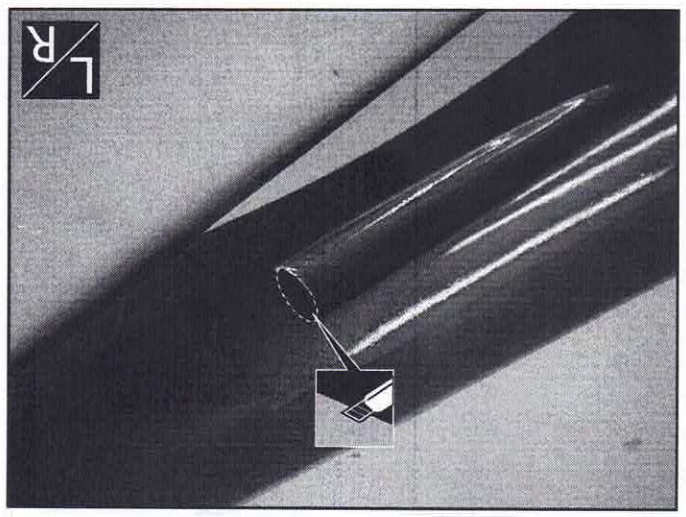
41 Drill holes through ply former and wooden block. Glue copper dowel to the holes at 60° angle.



43 Epoxy former in right position.



45 Mount bottom cover on fuselage.



44 Cut out holes for heat sinking.

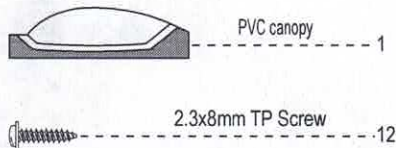


43 Epoxy former in right position.

Accessory list for this page.

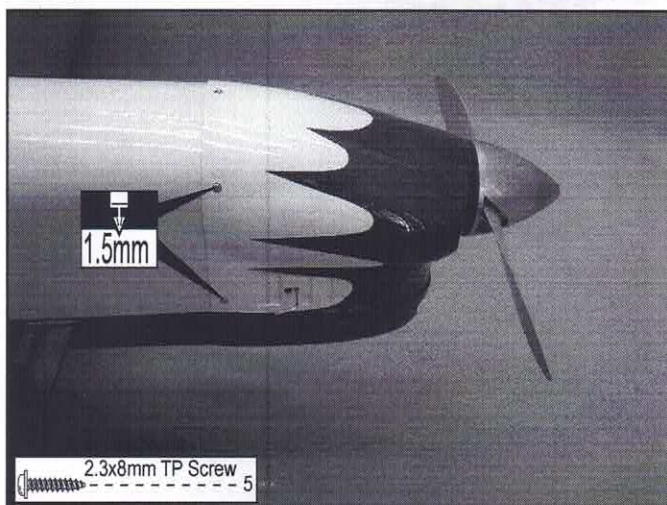


Accessory list for this page.



48

Assemble the muffler and fix the cowling with self - tapping screws.



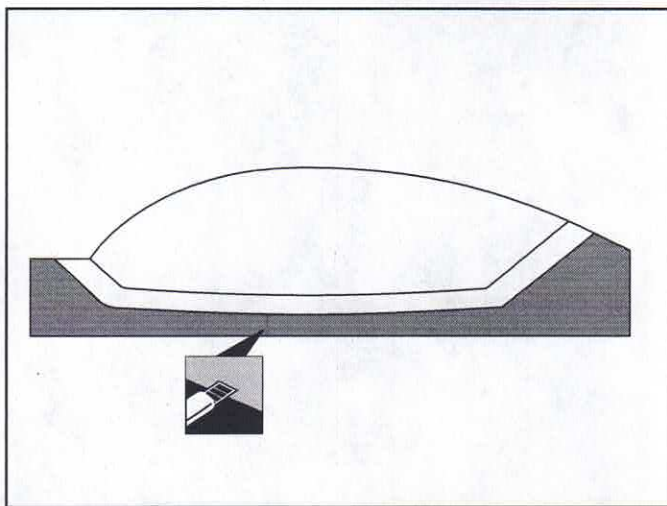
46

Install bottom cover



49

Cut away the surplus parts of plastic cover carefully along the shaded line.



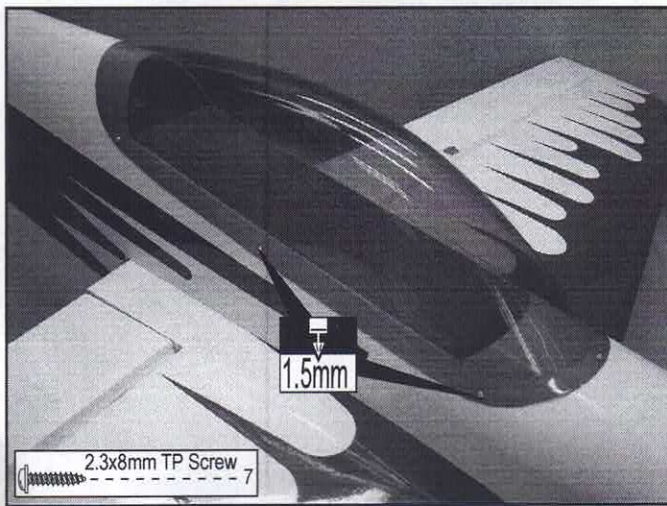
47

Trim the cowling for engine and muffler.



50

Mount the PVC canopy well in position.



Apply epoxy glue.



Assemble left and right sides the same way.



Pay close attention here!



Apply instant glue (CA glue, super glue).



Ensure smooth non-binding movement while assembling.



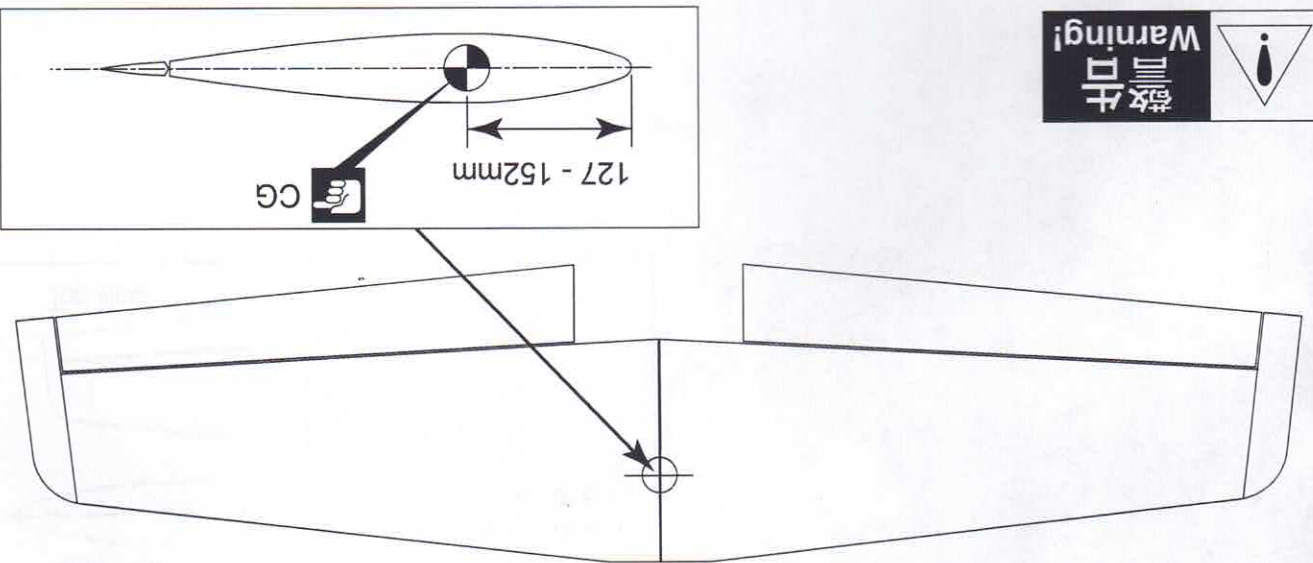
Cut off shaded portion.

Do not overlook this symbol!





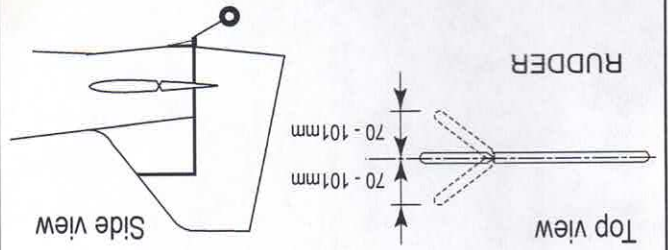
- ▶ Never fly before checking the CG's required position.
- ▶ In order to obtain the CG specified, reposition the receiver and battery.



▶ **NEVER fly the model without well balancing.**



- ▶ 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.



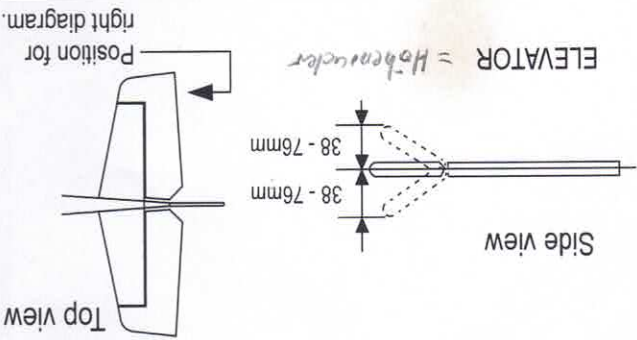
RUDDER

Top view

Side view



- ▶ 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

Position for right diagram.



Apply epoxy glue.



Assemble left and right sides the same way.



Ensure smooth non-binding movement while assembling.



Cut off shaded portion.



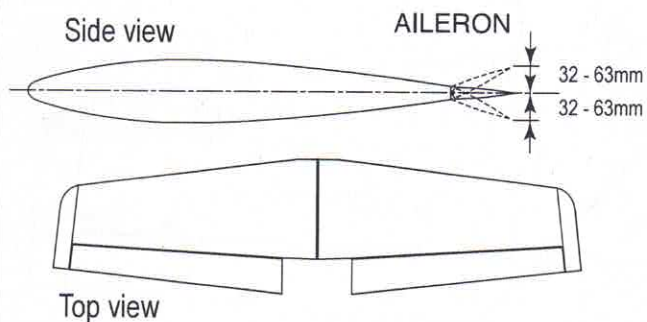
Pay close attention here!



Do not overlook this symbol!



- 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.



Apply epoxy glue.



Assemble left and right sides the same way.



Pay close attention here!



Apply instant glue (CA glue, super glue).



Ensure smooth non-binding movement while assembling.



Cut off shaded portion.

Do not overlook this symbol!

