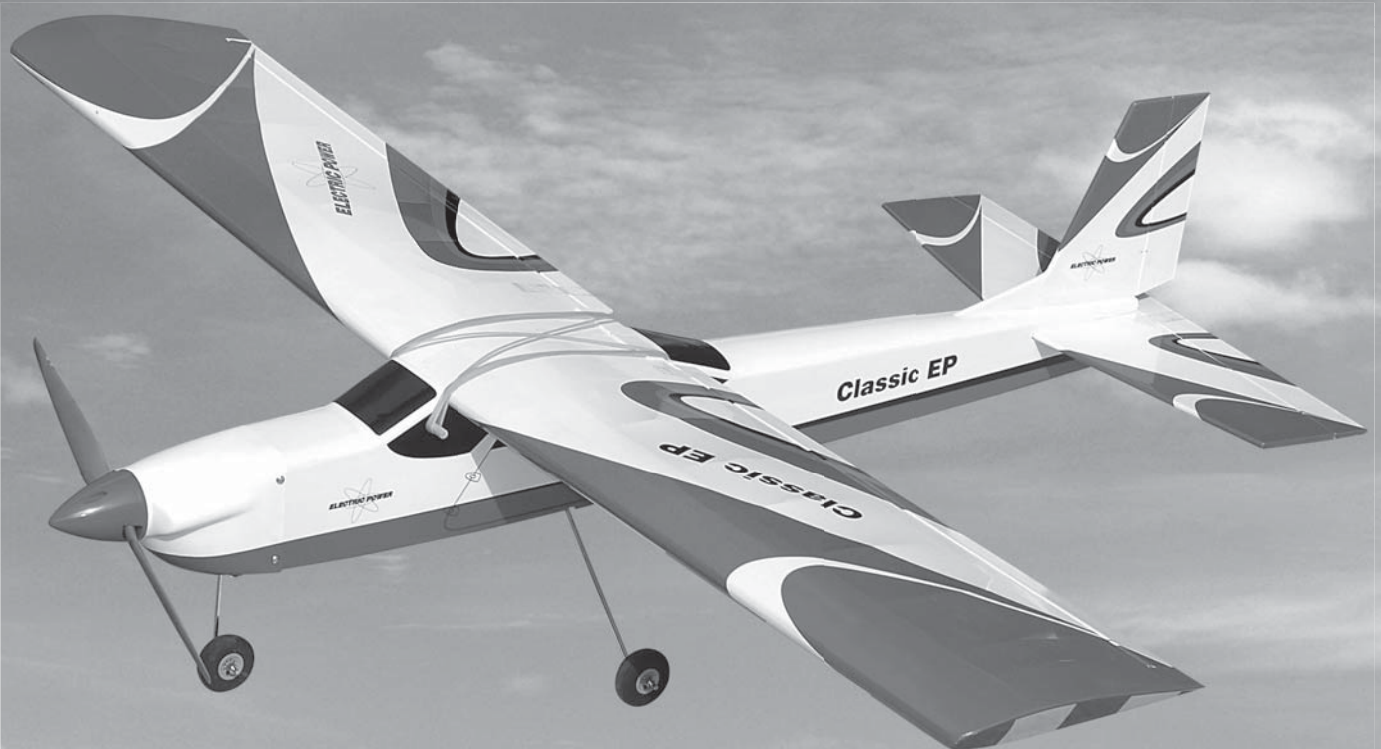




PHOENIX MODEL®

Instruction Manual



CLASSIC - EP



Wingspan: 1420mm (55.9 inch)



Length : 1070mm (42.1 inch)



Weight : 1700gr - 2000gr



Engine : AXI motor 2826



Radio : 4 channel / 3 servos standard

KIT CONTENTS: We have organized the parts as they come out of the box for better identification during assembly. We recommend that you regroup the parts in the same manner. This will ensure you have all of parts required before you begin assembly

KIT CONTENTS

AIR FRAME ASSEMBLIES

- (2) Wing
- (1) Fuselage
- (1) Horizontal
- (1) Vertical
- (1) Instruction manual

MAIN GEAR ASSEMBLY

- (2) Main gear
- (2) 60mm wheel
- (4) Collar
- (4) 3mm x 4mm screw
- (2) Nylon clasp
- (4) 3mm x 12mm screw

NOSE GEAR ASSEMBLY

- (1) Nose gear
- (1) 60mm wheel
- (2) Collar
- (2) 3mm x 4mm screw
- (1) Steering arm

ELEVATOR CONTROL SYSTEM

- (1) Clevis
- (1) Silicon tube
- (1) Nylon clasp
- (1) Nylon control horn
- (2) 2mm x 16mm screw
- (1) 1,7mm x 900mm metal rod

RUDDER CONTROL SYSTEM

- (1) Clevis
- (1) Silicon tube
- (1) Nylon clasp
- (1) Nylon control horn
- (2) 2mm x 16mm screw
- (1) 1,7mm x 900mm metal rod

AILERON CONTROL HORN

- (2) Clevis
- (2) Silicon tube
- (2) Nylon control horn
- (2) Nylon snap keeper
- (2) 1,7mm x 300mm metal rod

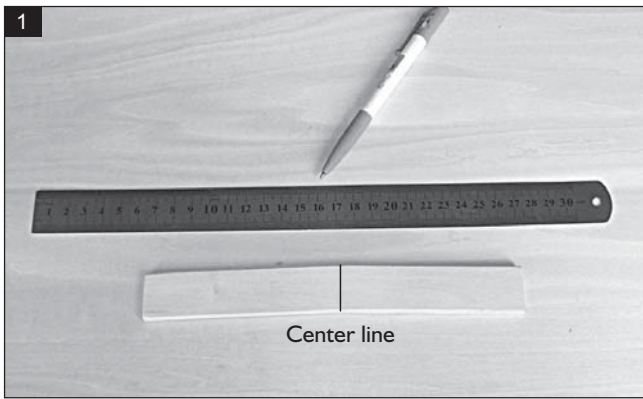
ENGINE MOUNT

- (4) 3mm x 12mm screw
- (4) Lock washer
- (1) Wooden engine mount

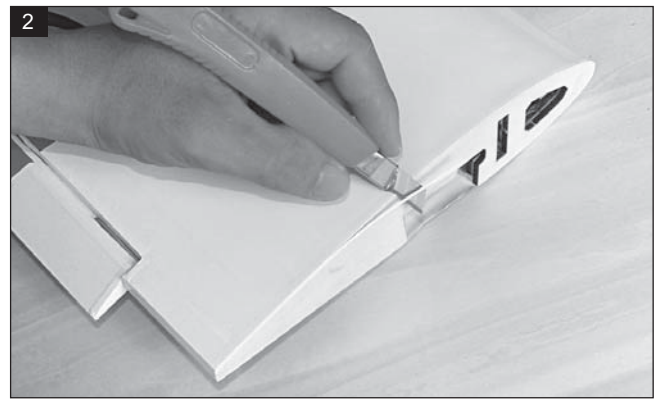
MISCELLANEOUS ITEMS

- (1) Dihedral
- (1) Trim tape 25mm x 600mm
- (8) Rubber band
- (2) 12mm dowel
- (2) Plate of wood
- (1) Metal connector
- (1) Servo box

1 Installing the wing halves.



Draw a center line.



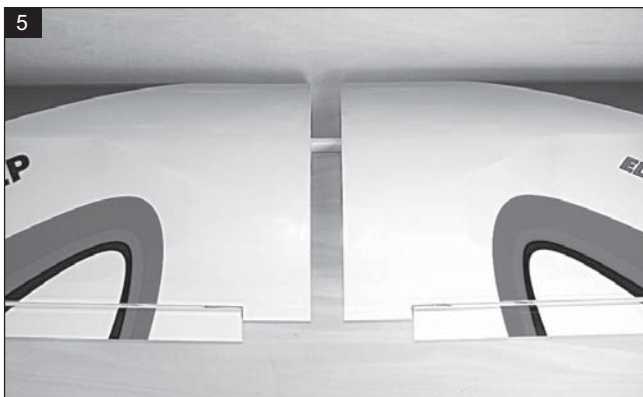
Remove the covering.



Glue the wing joiner to the wing.



Apply the epoxy into the wing section.

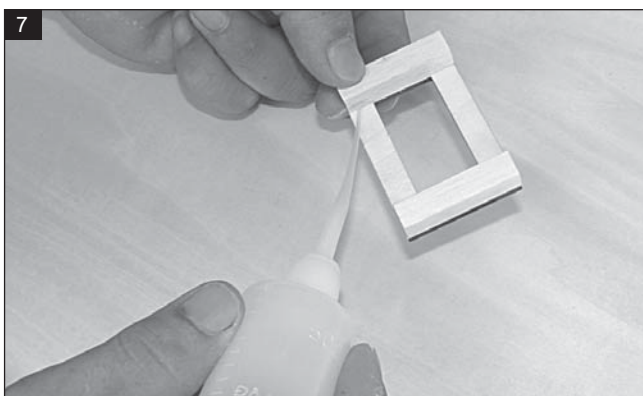


Glue the wing by epoxy.



Apply the trim tape to the center section on the top and the bottom of the wing where they join.

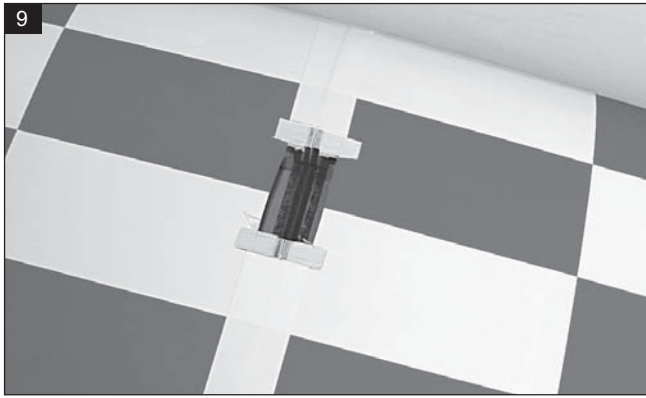
2 Installing the aileron servo and linkage.



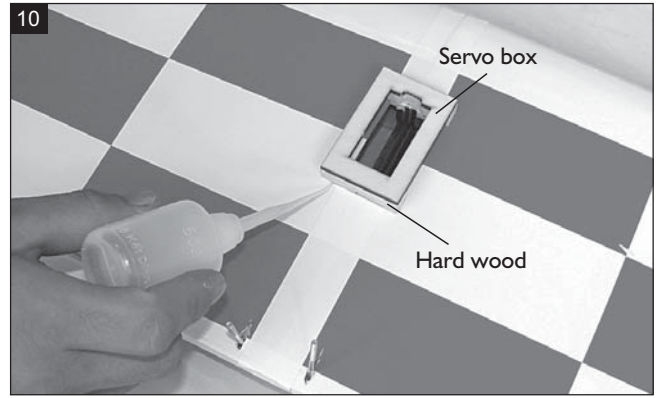
Glue the two hard wood by C.A glue.



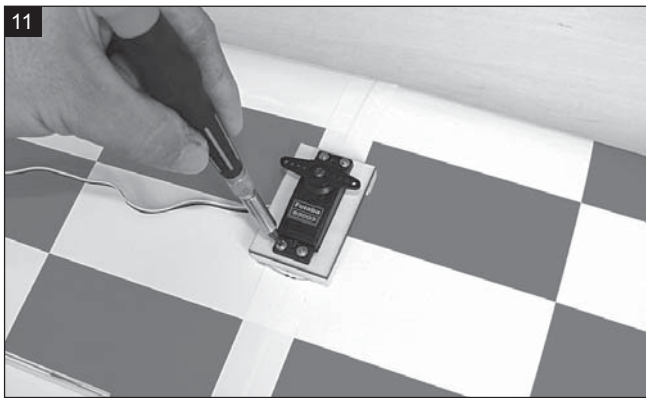
Mark the shape of the servo box to the wing.



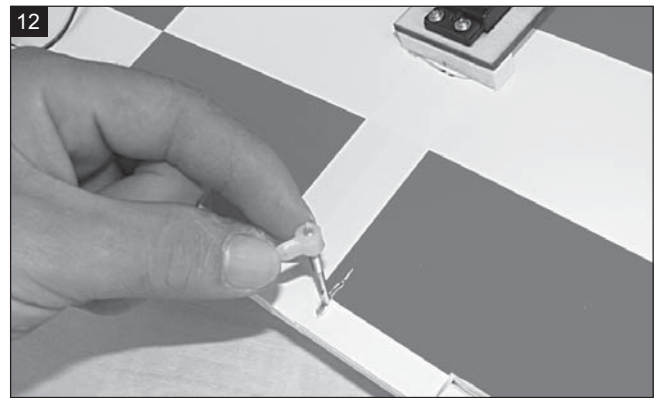
9 Remove the covering.



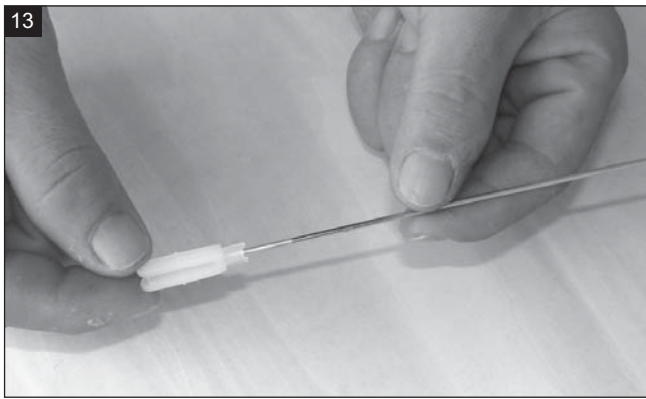
10 Glue the servo box by C.A glue.



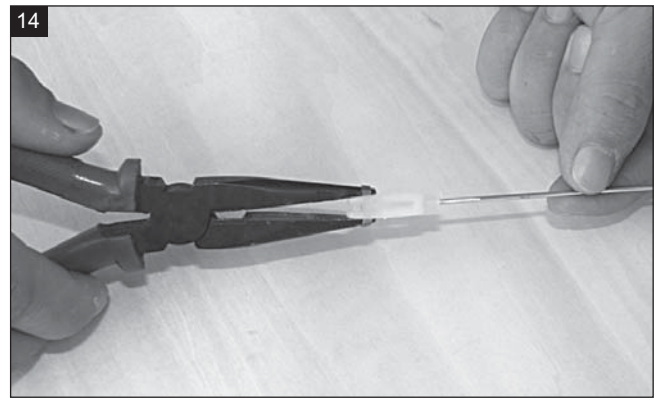
11 Install and secure the aileron servo.



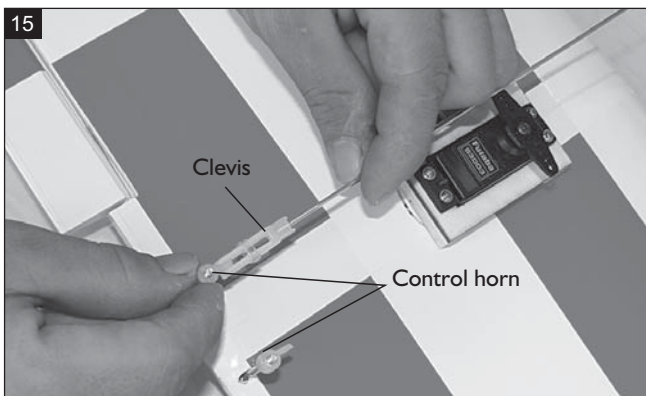
12 Install the two nylon control horn.



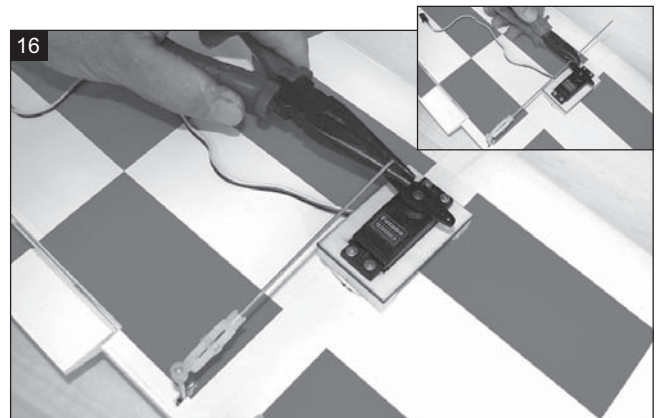
13 Install the clevis to the aileron pushrod.



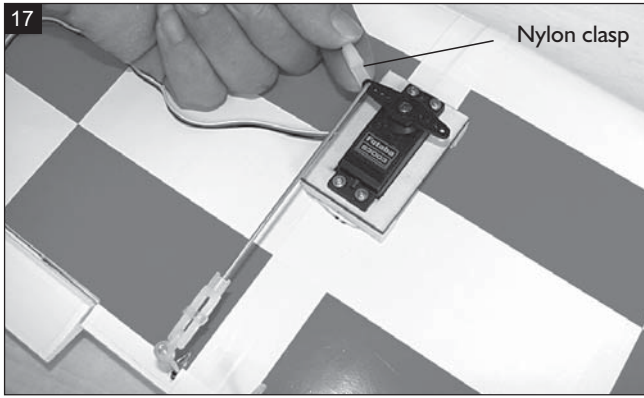
14 Insert the silicon tube into the clevis.



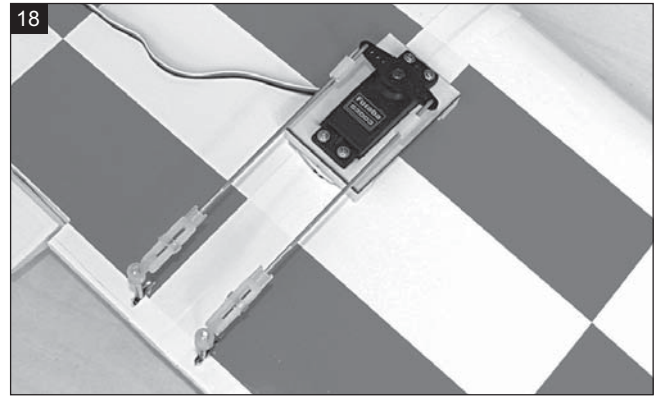
15 Insert the clevis into the control horn.



16 Cut away and bend "L" the aileron pushrod.

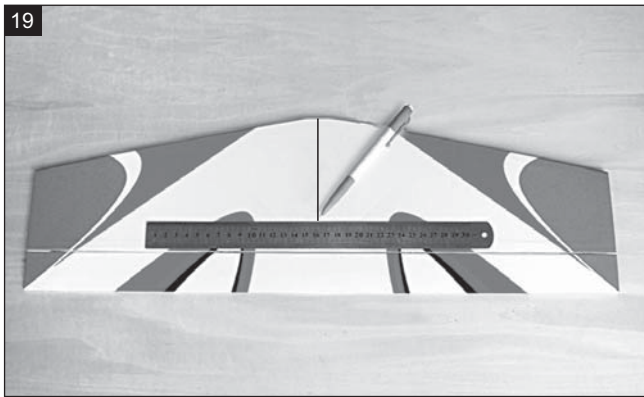


Attach the nylon clasp to the aileron servo arm.

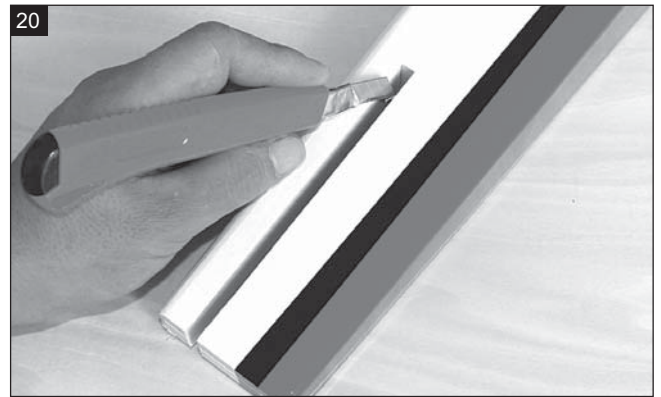


Make the same way for the second aileron pushrod.

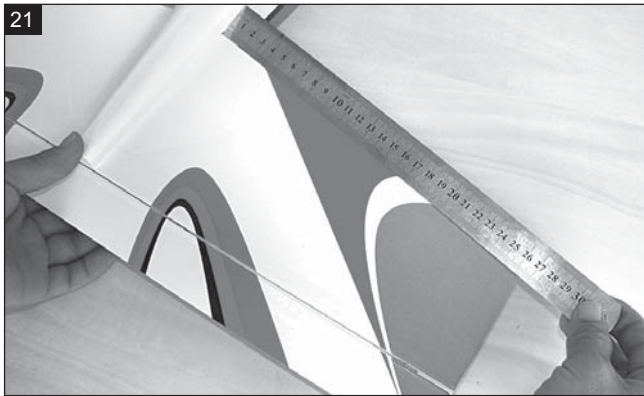
3 Installing the horizontal and vertical stabilizer.



Make a center line onto the horizontal.



Remove the covering from the fuselage.



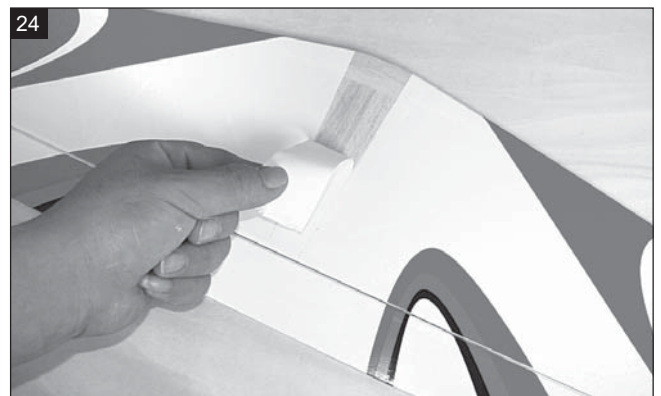
Attach the horizontal to the fuselage and check it.



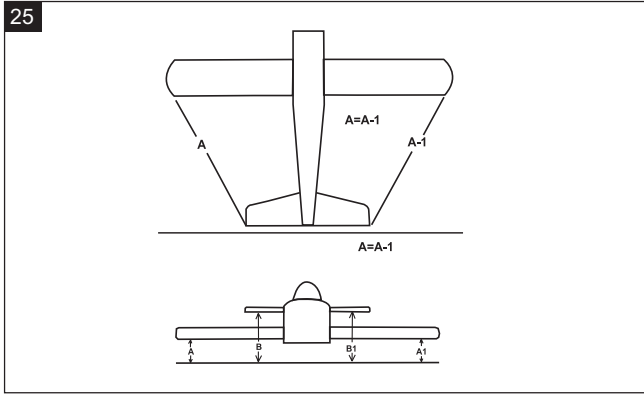
Mark the shape of the fuselage onto the top of the horizontal.



Mark the shape of the fuselage onto the bottom of the horizontal.



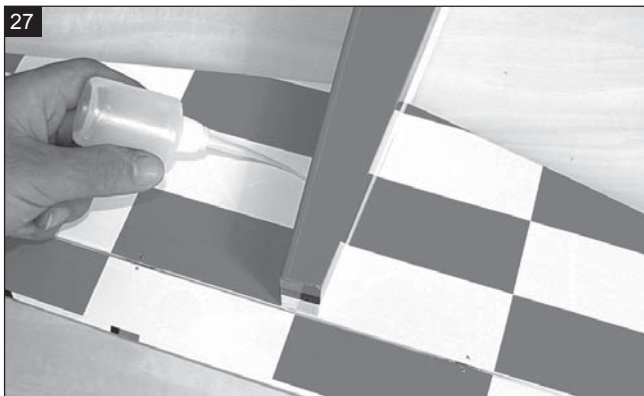
Remove the covering from the top and the bottom of the horizontal.



Check the horizontal before it dry and remove the wing out of the fuselage.



Glue the horizontal and fuselage by epoxy.



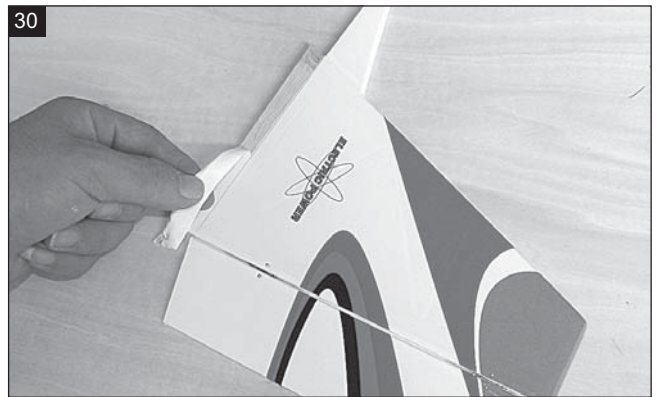
Glue the horizontal and fuselage by epoxy.



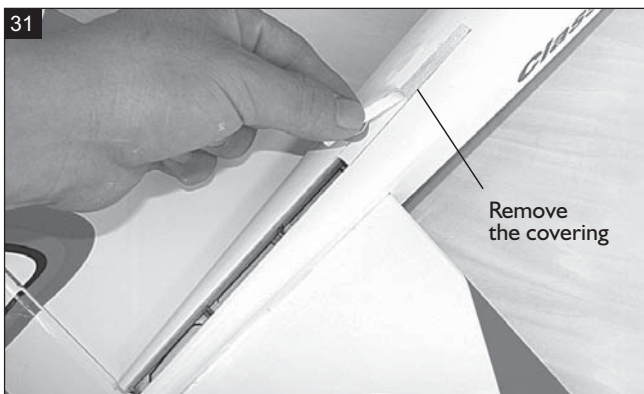
Cut away the covering from the fuselage.



Mark the shape of the fuselage onto the both side of the vertical.



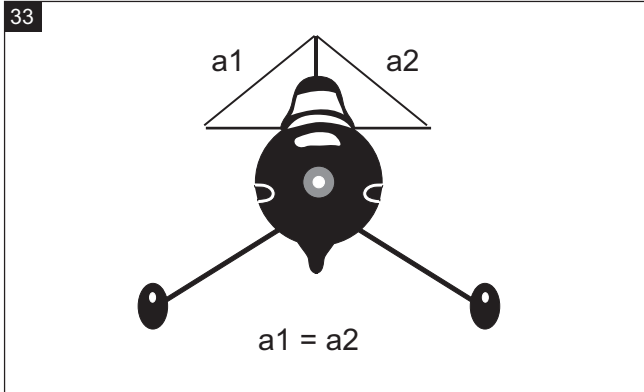
Remove the covering from the vertical.



Remove the covering on the top of the fuselage.

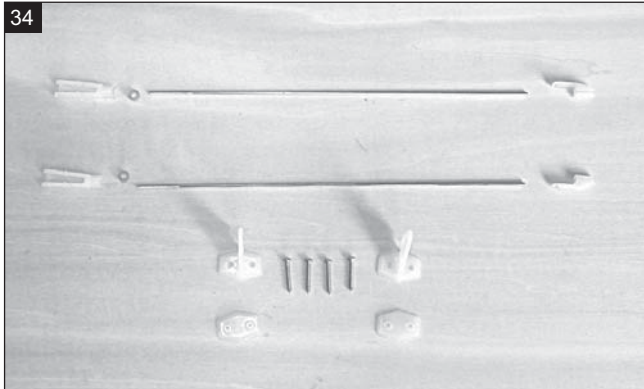


Glue the vertical into the fuselage by epoxy.



Check the fin before it dry and remove the wing out of the fuselage.

4 Installing the elevator pushrod.



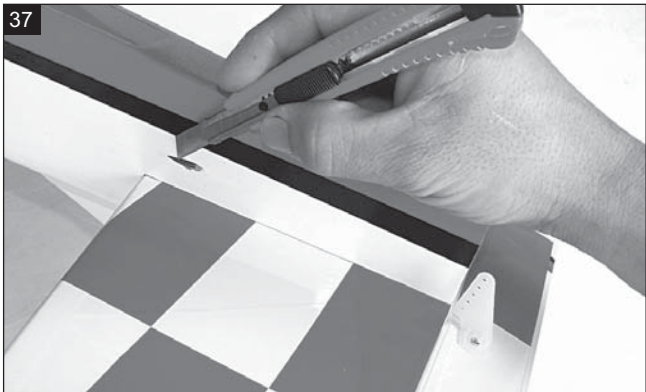
The elevator and rudder linkages.



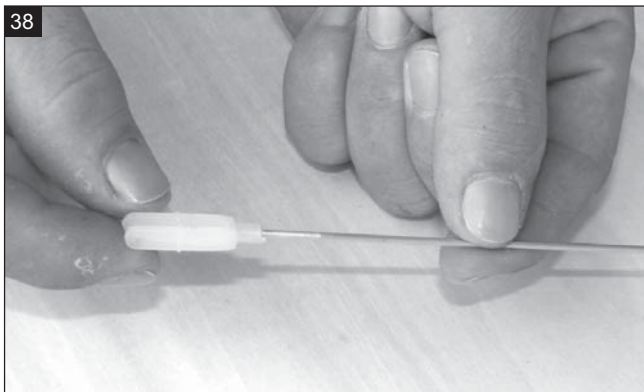
Secure the control horn onto the elevator.



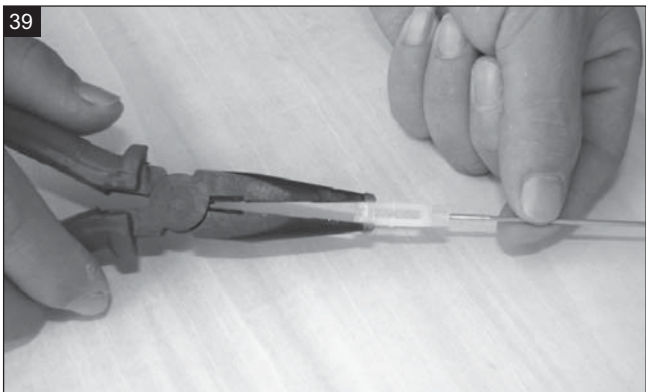
Cut away the screw.



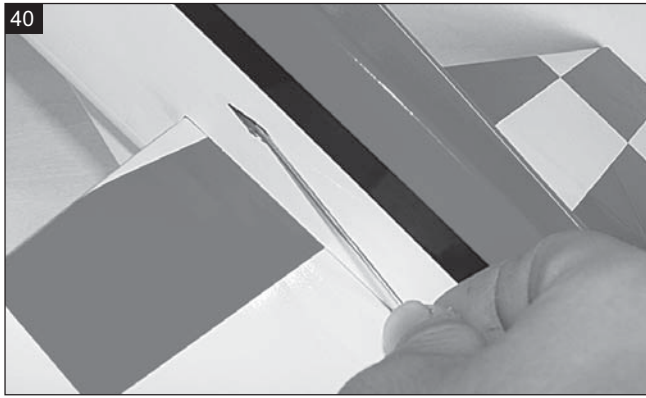
Remove the covering from the slot.



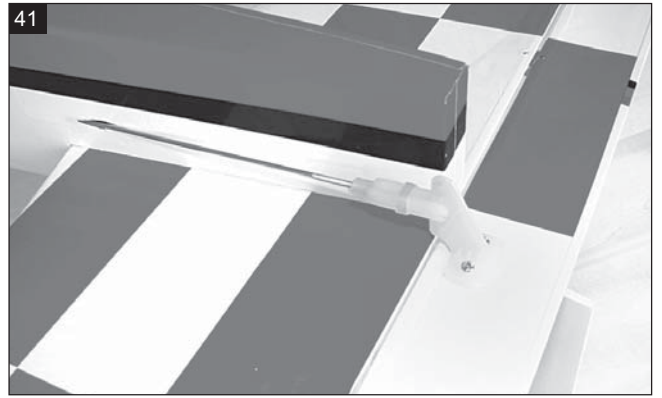
Install the clevis to the aileron pushrod.



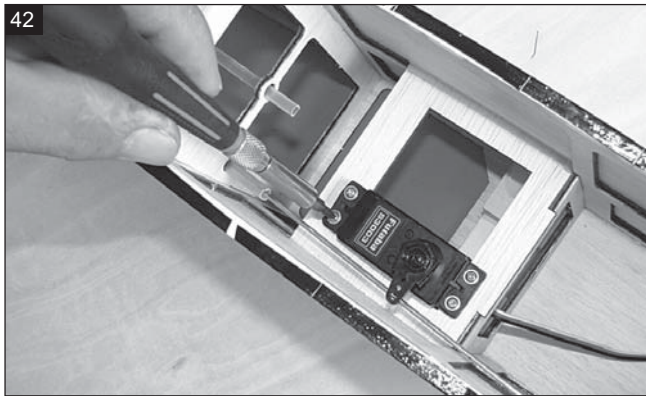
Insert the silicon tube into the clevis.



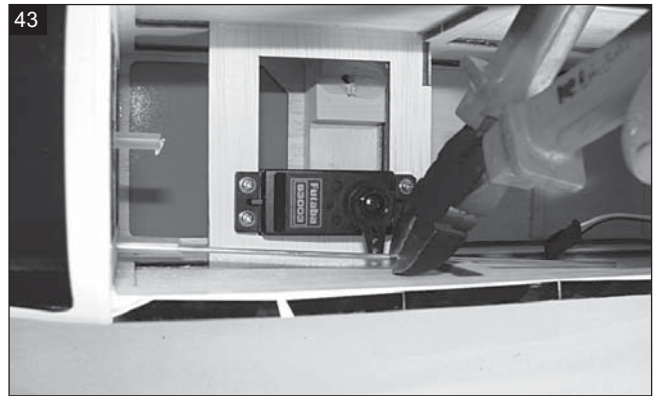
40 Insert the elevator pushrod into the fuselage.



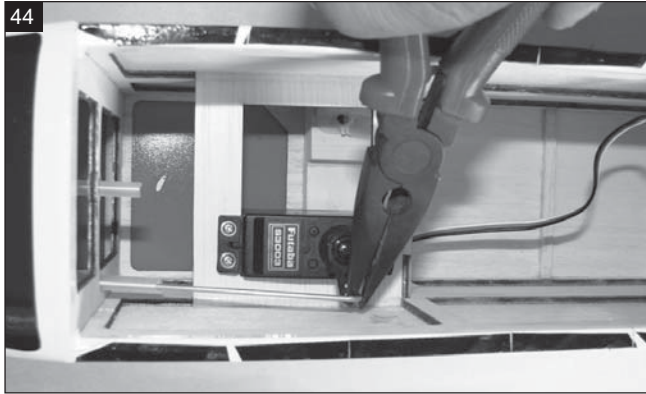
41 Attach the clevis to the control horn.



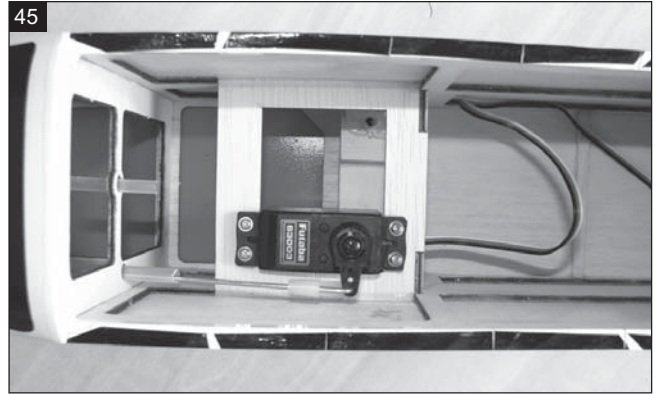
42 Install the elevator servo.



43 Cut away the elevator pushrod.



44 Bend "L" the elevator pushrod.



45 Attach the nylon clasp to the servo arm.

5 Installing the rudder pushrod.



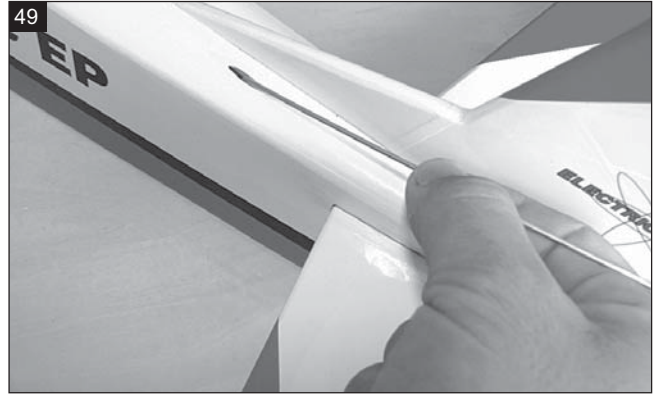
46 Install the rudder control horn.



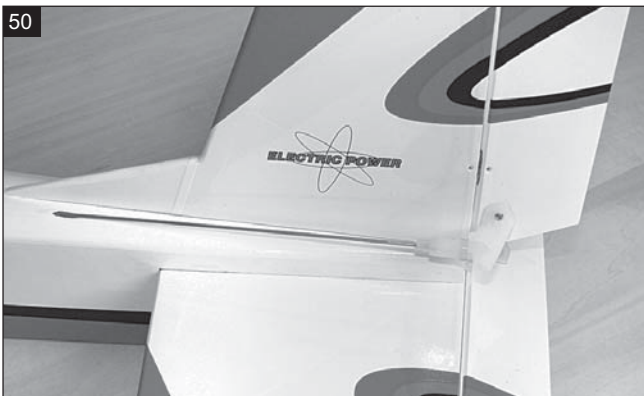
47 Cut away the screw.



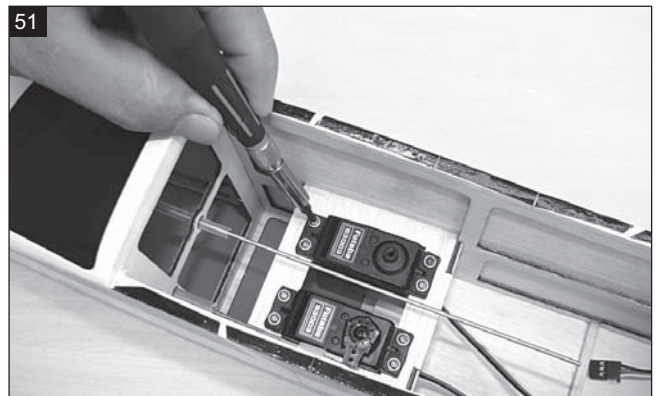
Remove the covering from the slot.



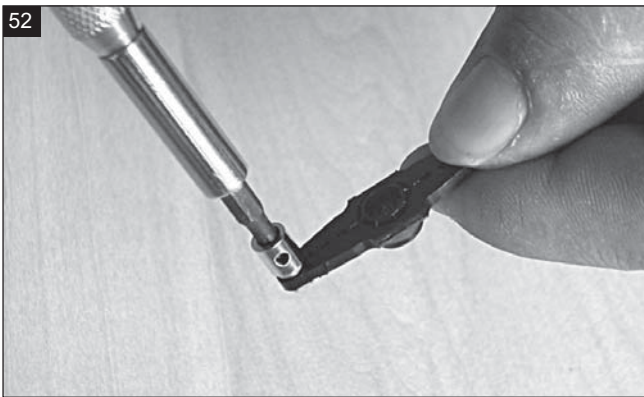
Insert the rudder pushrod into the fuselage.



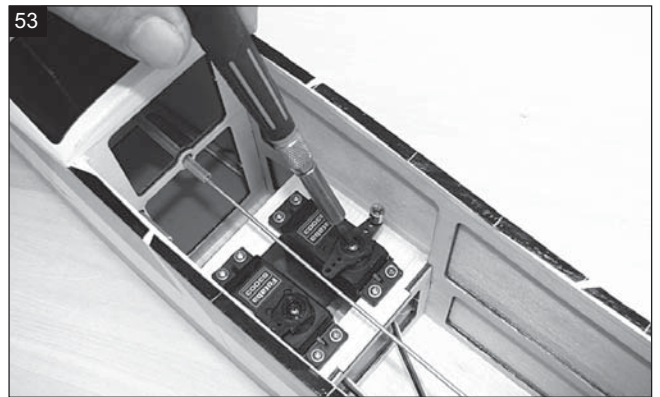
Attach the clevis to the control horn.



Install the rudder servo.



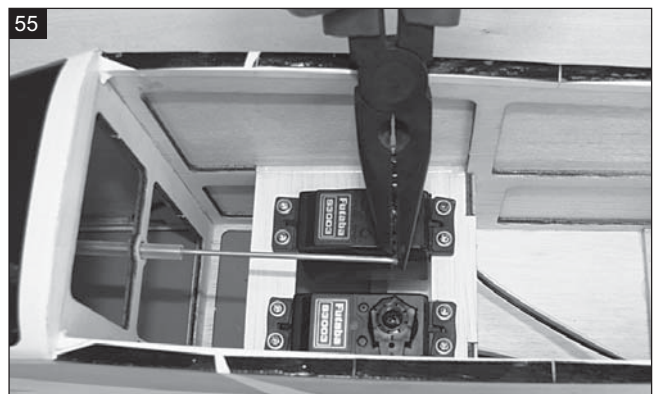
Install the metal connector to the servo arm.



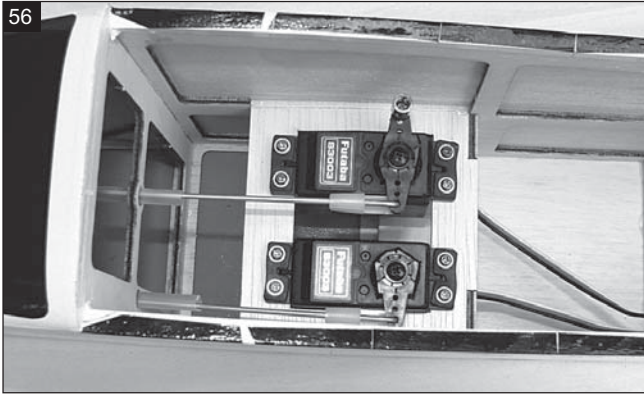
Install the servor arm into the rudder servo.



Cut away the rudder pushrod.

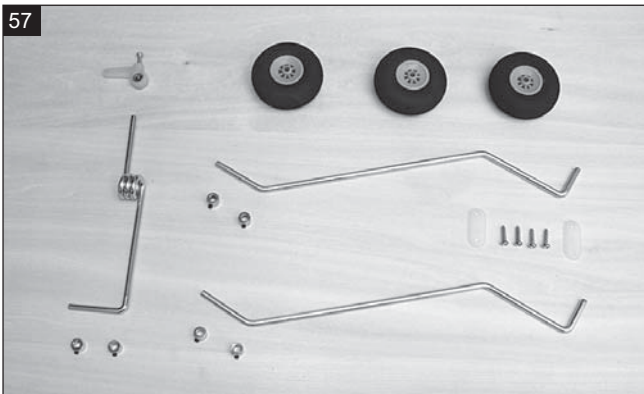


Bend "L" the rudder pushrod.

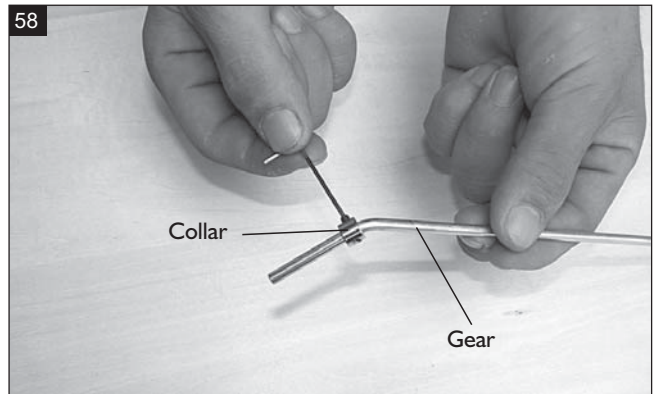


Attach the nylon clasp to the servo arm.

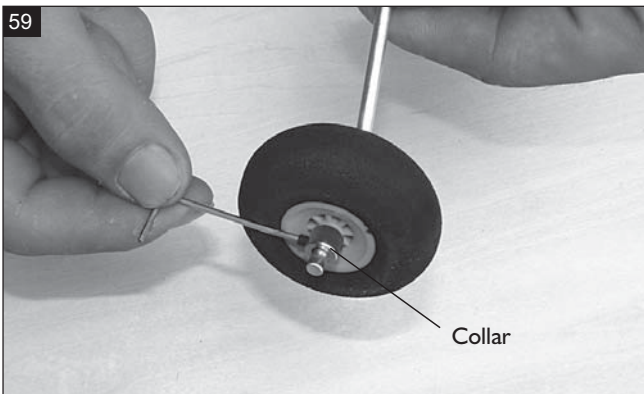
6 Installing the landing gear and nose gear.



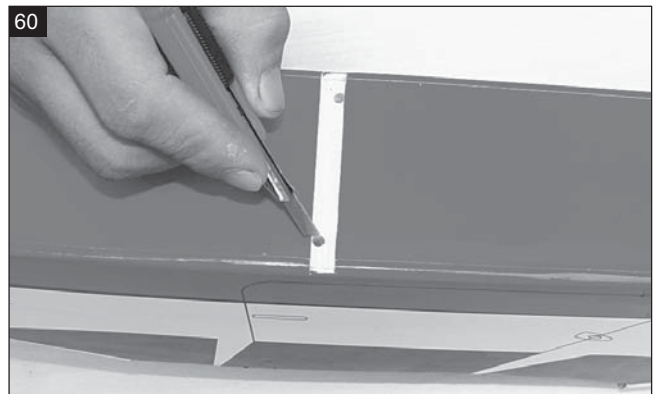
The landing gear and nose gear.



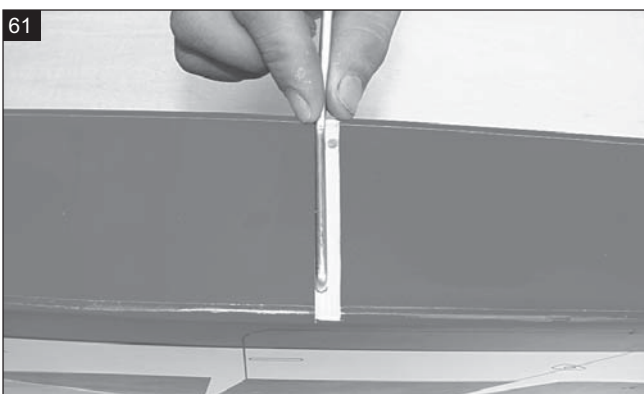
Install the collar.



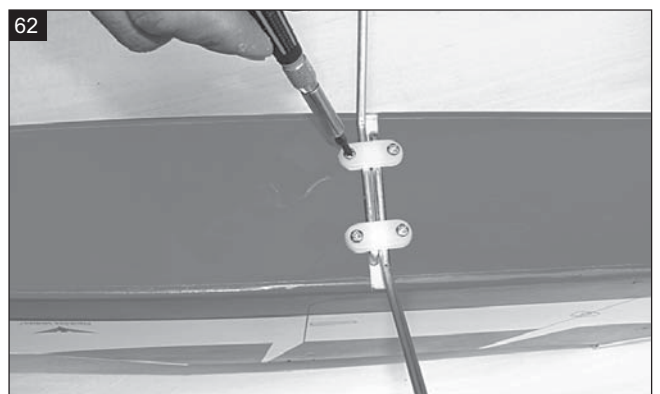
Install the wheel.



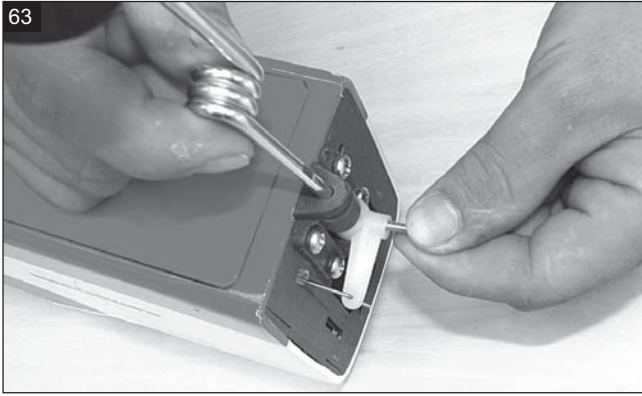
Cut away the covering from the fuselage.



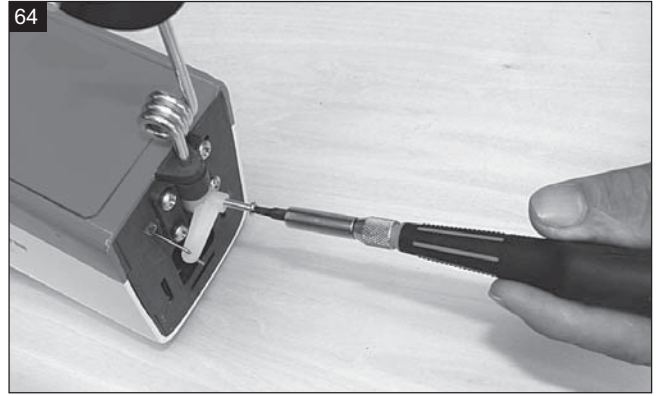
Install the landing gear.



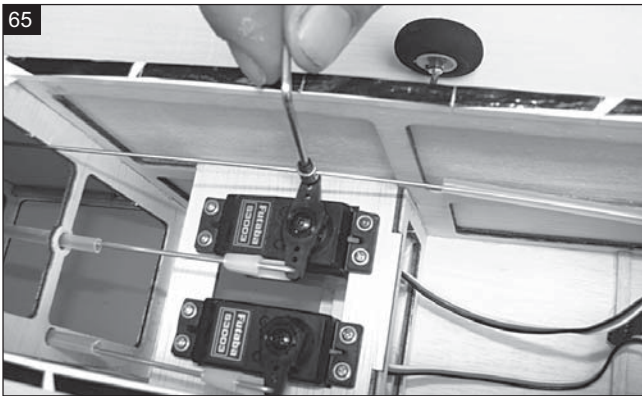
Secure the landing gear.



63 Install the nose gear.

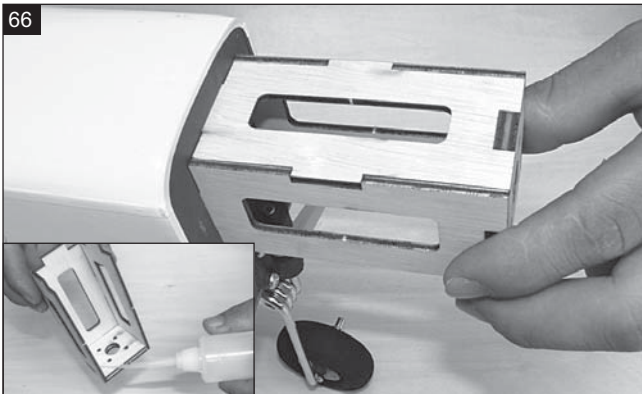


64 Secure the nose gear.

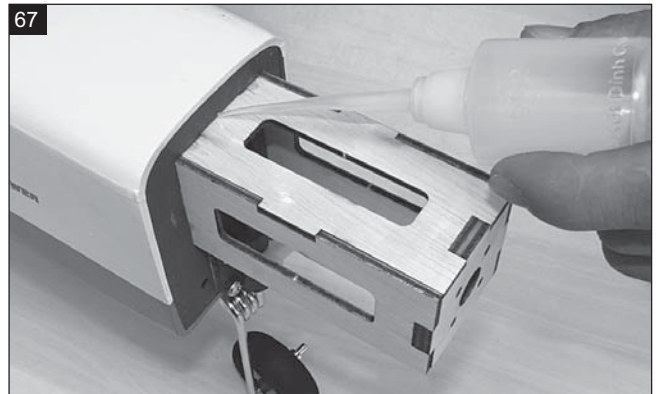


65 Attach the nose gear rod into the metal connector and secure it.

7 Installing the engine and cowling.



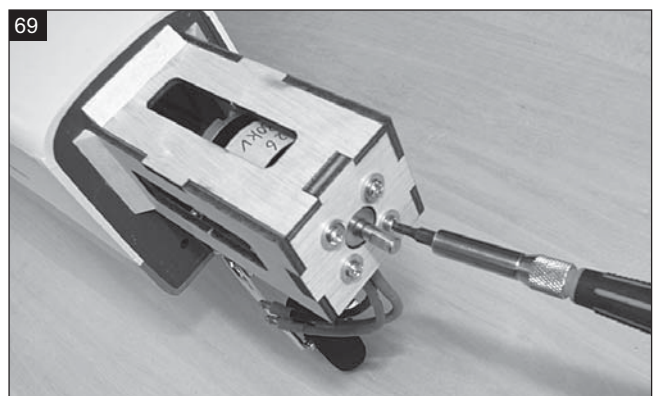
66 Install the engine mount into the fuselage.



67 Glue the engine mount into the fuselage.



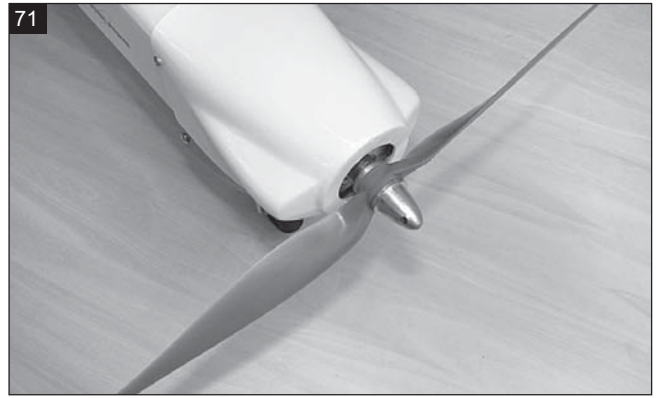
68 Glue the three hard wood by epoxy glue.



69 Install the motor.

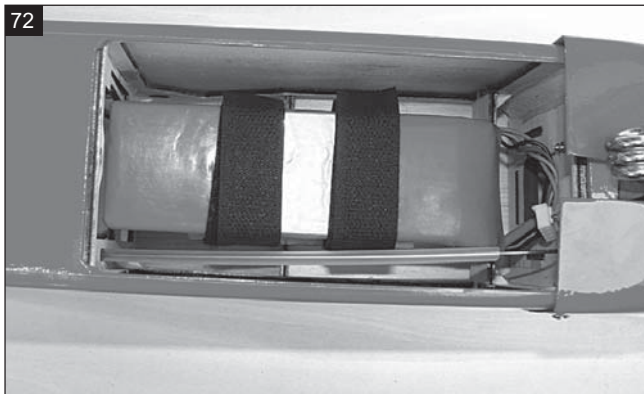


70 Install the cowl.

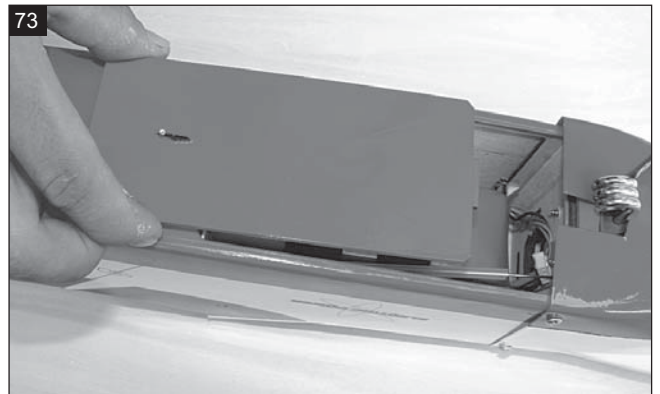


71 Install the propller.

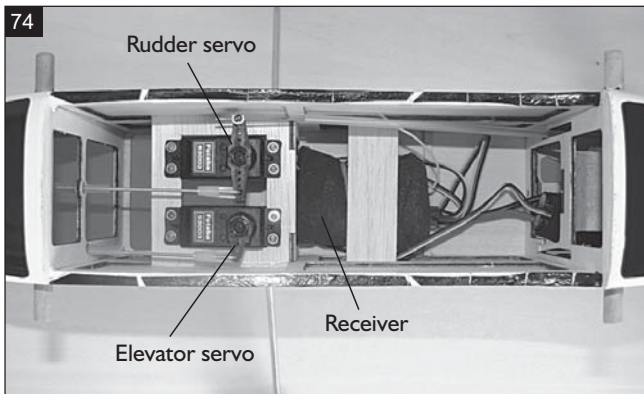
8 Installing the receiver and batter.



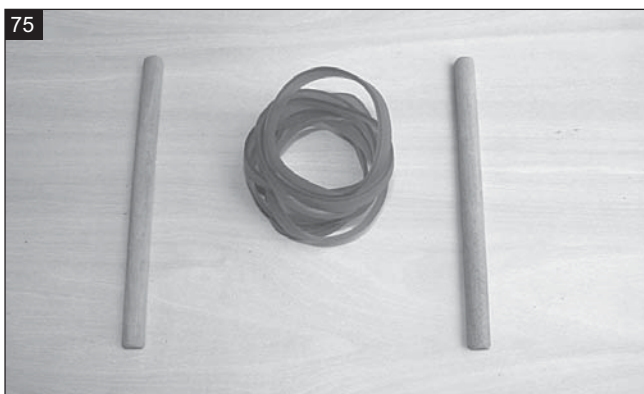
72 Install the battery and receiver.



73 Close the window.



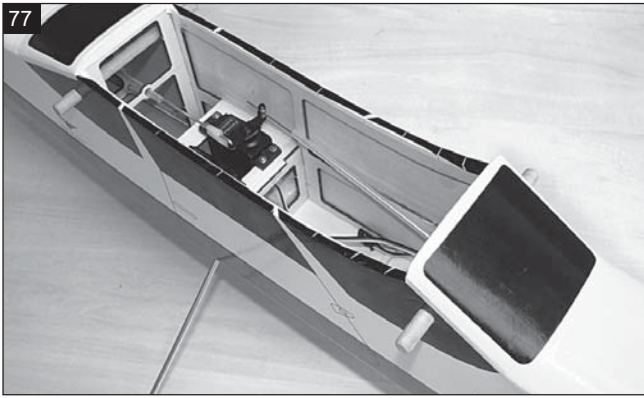
9 Installing the wing dowel.



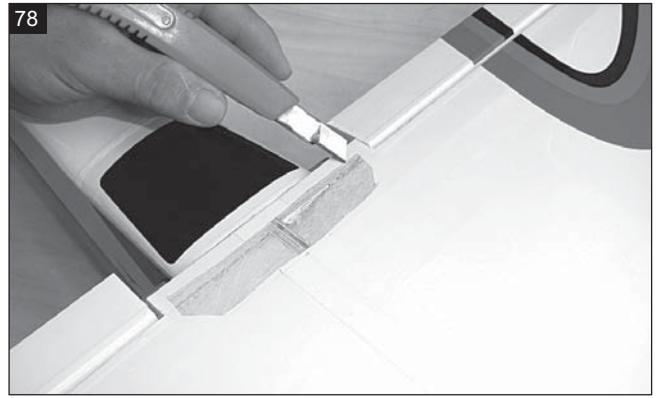
75 Wing dowel.



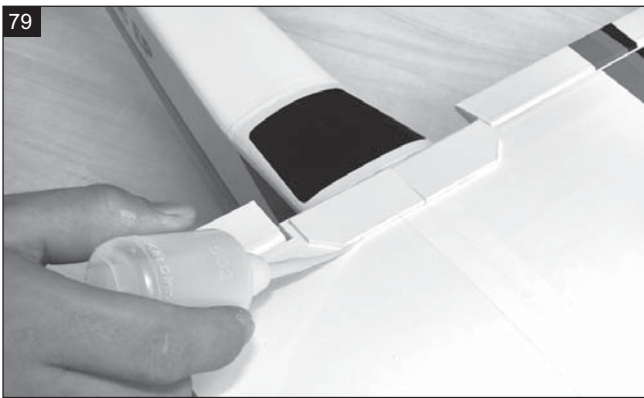
76 Remove the covering from four holes on the both side of the fuselage.



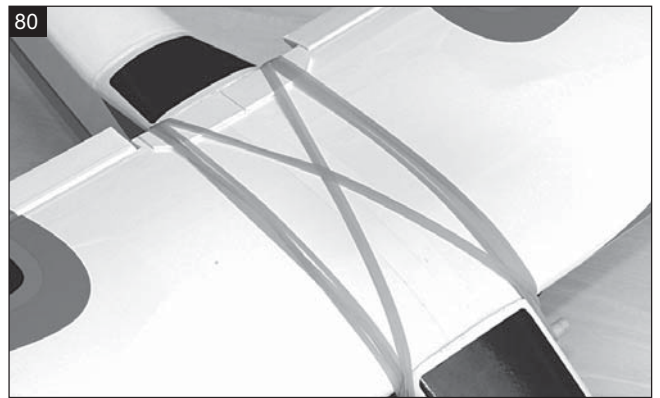
Install two dowels into the fuselage and glue it by C.A glue.



Remove the covering.



Glue the two plate of wood onto the wing.



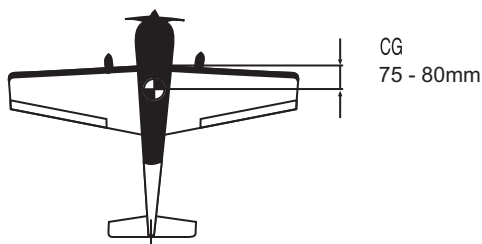
Install the wing into the fuselage using 6 rubber band.

BALANCING

1. It is critical that your airplane be balanced correctly. Improper balance will cause your plane to lose control and crash.

THE CENTER OF GRAVITY IS LOCATED 75 - 80mm BACK FROM THE LEADING EDGE OF THE WING, AT THE FUSELAGE.

2. Mount the wing to the fuselage. Using a couple of pieces of masking tape, place them on the top side of the wing 75 - 80mm back from the leading edge, at the fuselage sides.
3. Turn the airplane upside down. Place your fingers on the masking tape and carefully lift the plane .
4. If the nose of the plane falls, the plane is heavy nose. To correct this first move the battery pack further back in the fuselage. If this is not possible or does not correct it, stick small amounts of lead weight on the fuselage under the horizontal stabilizer. If the tail of the plane falls, the plane is tail heavy. To correct this, move the battery and receiver forward or if this is not possible, stick weight into the firewall. When balanced correctly, the airplane should sit level or slightly nose down when you lift it up with your fingers.



LATERAL BALANCE



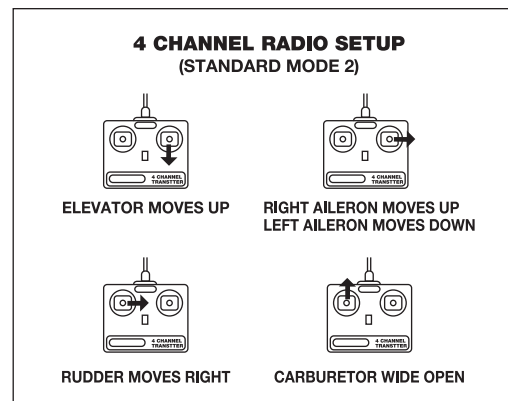
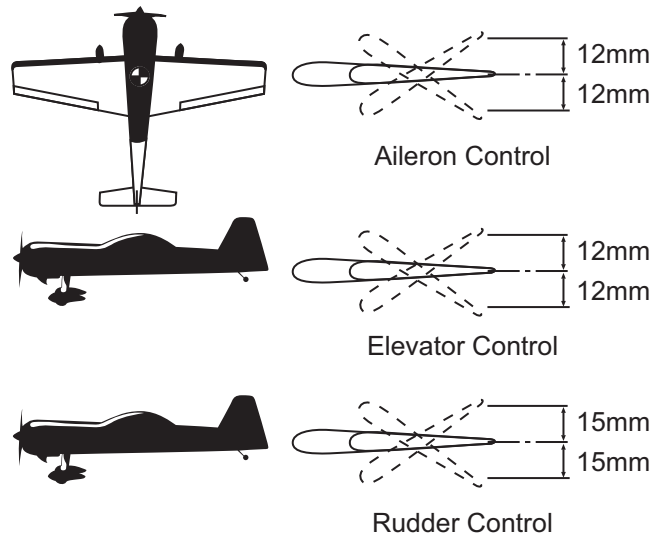
After you have balanced a plane on the C.G. You should laterally balance it. Doing this will help the airplane track straighter

1. Turn the airplane upside down. Attach one loop of heavy string to the engine crankshaft and one to the tail wheel wire. With the wings level, carefully lift the airplane by the string. This may require two people to make it easier.
2. If one side of the wing fall, that side is heavier than the opposite. Add small amounts of lead weight to the bottom side of the lighter wing half's wing tip. Follow this procedure until the wing stays level when you lift the airplane.

CONTROL THROWS

1. We highly recommend setting up a plane using the control throws listed.
2. The control throws should be measured at the widest point of each control surface.
3. Check to be sure the control surfaces move in the correct directions.

Ailerons : 12mm up	12mm down
Elevator : 12mm up	12mm down
Rudder : 15mm right	15mm left



FLIGHT PREPARATION PRE FLIGHT CHECK

1. Completely charge your transmitter and receiver batteries before your first day of flying.
2. Check every bolt and every glue joint in your plane to ensure that everything is tight and well bonded.
3. Double check the balance of the airplane
4. Check the control surface
5. Check the receiver antenna . It should be fully extended and not coiled up inside the fuselage.
6. Properly balance the propeller.