

Sky Link EP



Speed 400 motor

Requires : 4 - channel radio w/ 4 micro servos,
15A(8 cells) speed controller,
7- 8 cells 1000 mAh battery & charger.

Specifications

Wing Span	41 in / 1040 mm
Wing Area	264 sq in / 17 sq dm
Flying Weight	26 oz / 740 g
Fuselage Length	30 in / 760 mm

Specifications are subject to change without notice.

Warning ! This model is not a toy.

It is designed for maximum performance. Please seek advice if one is not familiar with this kind of electric powered precision model. Operating this model without prior preparation may cause injuries. Remember, safety is the most important thing. Always keep this instruction manual at hand for quick reference.



**THE WORLD MODELS
MANUFACTURING CO., LTD.**
FACTORY PRE-FABRICATED
ALMOST-READY-TO-FLY (ARF) SERIES
MADE IN CHINA
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Sky Link EP

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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. Please DRY FIT and check for defects for all parts that will require CA or Epoxy for final assembly. Any parts you find to be defective after the gluing process may be difficult to remove for warranty replacement. The manufacturer will replace any defective parts, but will not extend to the parts that are good before gluing to defective parts during assembly. Warranty will not cover any parts modified by customer.
- 3** Symbols used throughout this instruction manual comprise of the following :-



Apply epoxy glue.



Apply instant glue
(C.A.glue, super glue.)



Assemble left and right
sides the same way.



Ensure smooth non-binding
movement while assembling.



Peel off shaded portion
covering film.



Cut off shaded portion.



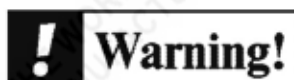
Drill holes with the specified
diameter (here: 3mm).



Must be purchased separately!



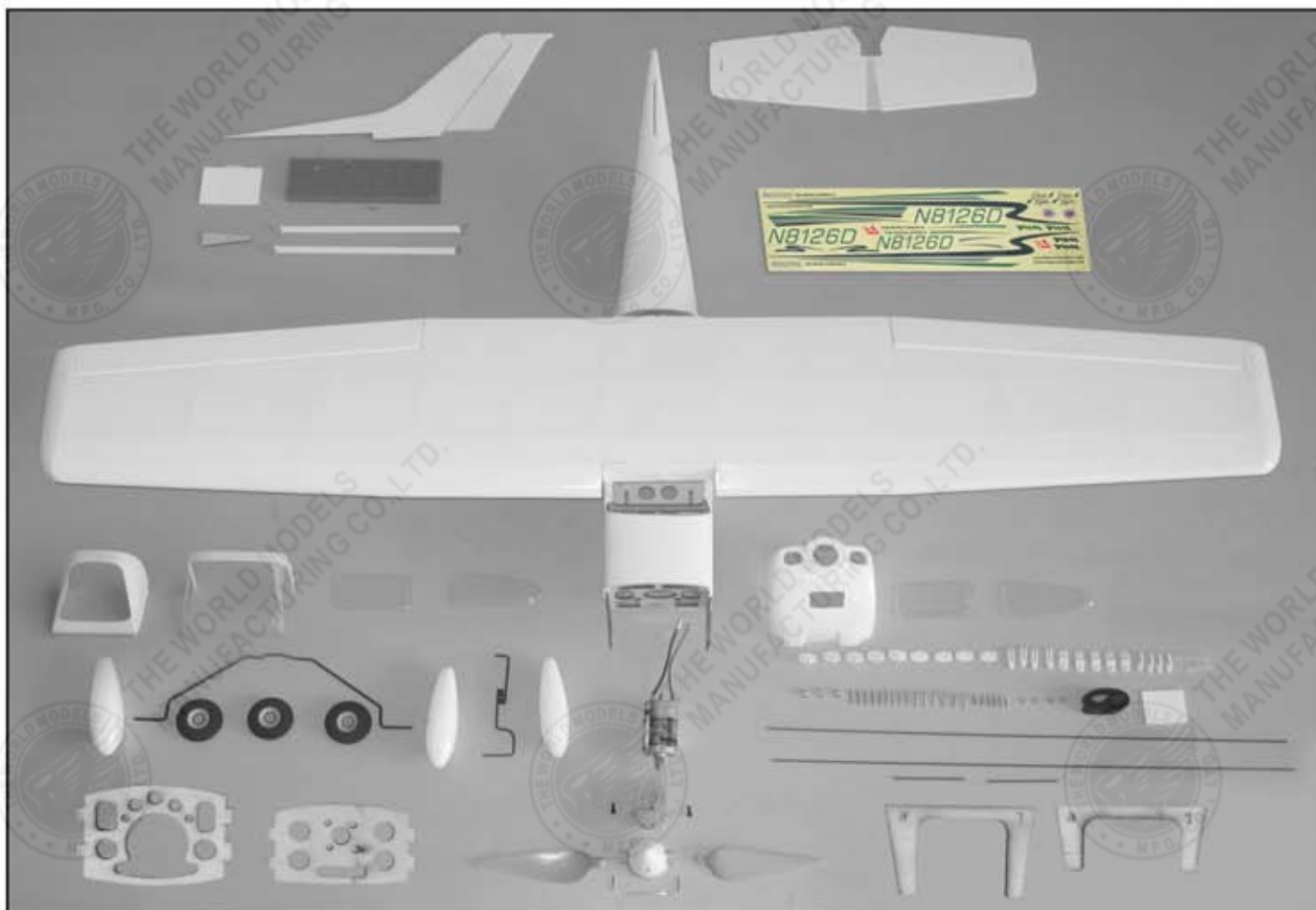
Pay close attention here!



Do not overlook this symbol!



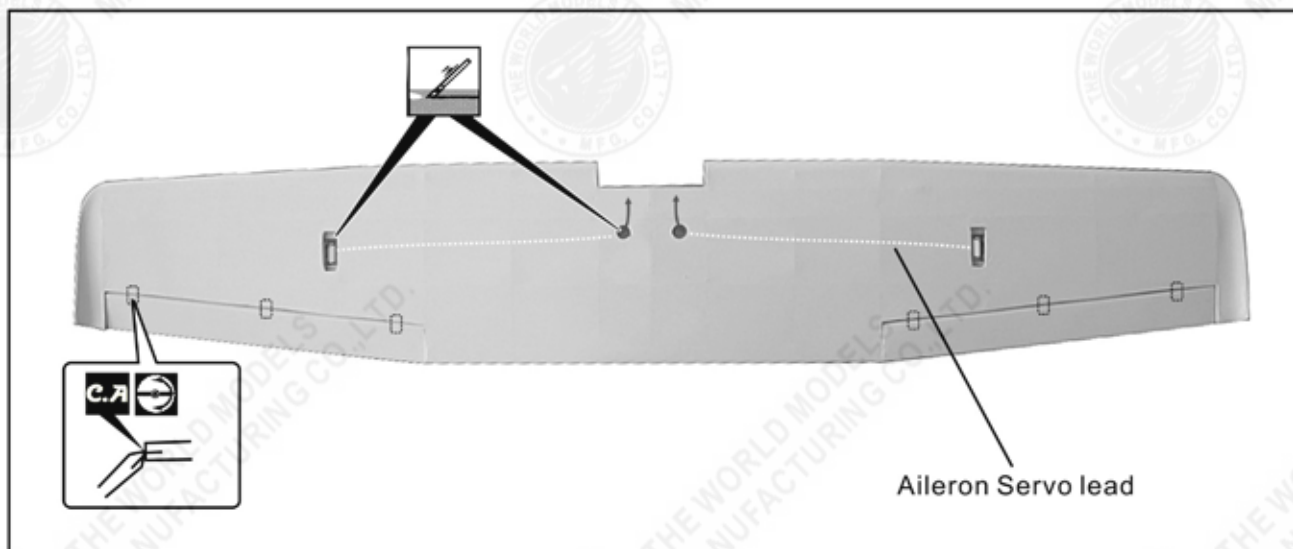
Pierce the shaded portion
covering film.



Parts List

1. MAIN WING -- 1 pc.
2. SCREW PM2x12mm -- 4 pcs
CLEVIS -- 2 pcs
STRAPER -- 2 pcs
FUEL TUBE d2xD4x4mm -- 4 pcs
HORN -- 2 sets
PUSHROD Ø1.4x60mm
w/ Threads(For Aileron) -- 2 pcs
3. STABILIZER & ELEVATOR -- 1 set
FUSELAGE -- 1 pc.
BALSA 3x15.6x44.5mm -- 1 pc.
4. VERTICAL FIN & RUDDER -- 1 set
5. PUSHROD Ø1.4x390mm
w/ Threads(For Elevator) -- 1 pc.
SCREW PM2x8mm -- 2 pcs
CLEVIS -- 1 pc.
FUEL TUBE d2xD4x4mm -- 1 pc.
HORN -- 1 set
6. PUSHROD Ø1.4x400mm
w/ Threads(For Rudder) -- 1 pc.
SCREW PM2x8mm -- 2 pcs
CLEVIS -- 1 pc.
FUEL TUBE d2xD4x4mm -- 1 pc.
HORN -- 1 set
7. FRONT LANDING GEAR -- 1 set
SCREW PA2x6mm -- 2 pcs
SCREW PWA2.3x8mm -- 4 pcs
COLLAR Ø2.6mm w/ set screw -- 1 set
LANDING WIRE STRAPS -- 2 pcs
FRONT WHEEL Ø40mm -- 1 pc.
WHEEL PANTS -- 1 pc.
MOUNTING PLATE 5x15mm -- 1 pc.
PLASTIC COLLAR d3.5xD8x3mm -- 1 pc.
- 8A. PLYWOOD 41.6x70.2x3mm(F1A) -- 1 pc.
PLYWOOD 82.7x51.6x3mm(F1C) -- 1 pc.
8. 400 GEARBOX -- 1 set
SPEED 400 MOTOR -- 1 set
- FOLDING PROPELLER -- 1 set
SPINNER Ø36mm -- 1 pc.
COWLING -- 1 set
SCREW PWA2x8mm -- 4 pcs
M2 Nylon Insert Lock Nut -- 1 pc.
WASHER d2xD5mm -- 1 pc.
SCREW PM2x10mm -- 1 pc.
BALSA 60x45x1.5mm -- 1 pc.
MOUNTING PLATE(PL4114015) -- 1 pc.
PLYWOOD 53x74.4x3mm(F1) -- 1 pc.
PLYWOOD 82.7x37.6x3mm(F1B) -- 1 pc.
9. SCREW PWA2x8mm -- 4 pcs
WIND SHIELD & SIDE WINDOWS -- 1 set
10. FUEL TUBE d2xD4x4mm -- 2 pc.
BATTERY TIE -- 1 pc.
SPONGE 10x50x150mm -- 1 pc.
DOUBLE-SIDED TAPE -- 1 pc.
STRAPER -- 2 pcs
11. MAIN LANDING GEAR -- 1 set
SCREW PWA2.3x10mm -- 6 pcs
SCREW PA2x6mm -- 4 pcs
COLLAR Ø2.6mm w/ set screw -- 2 sets
LANDING WIRE STRAPS -- 3 pcs
MAIN WHEEL Ø40mm -- 2 pcs
WHEEL PANTS -- 1 pair.
MOUNTING PLATE 5x15mm -- 2 pcs
PLASTIC COLLAR d3.5xD8x3mm -- 2 pcs
12. NYLON BOLT M2.5x20mm -- 2 pcs
NYLON WASHER d2.6xD9mm -- 2 pcs
WING PROTECTION 90x10x0.8mm -- 1 pc
13. SCREW PWA2x8mm -- 4 pcs
MAIN WING STRUT -- 1 pair
14. DECALS -- 1 set
- **COVERING:-**
LIGHTEX SGX 100 WHITE

1 Main Wing



● Bottom View

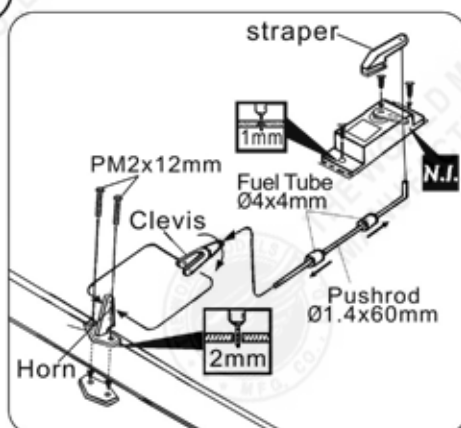
● Apply instant type CA glue to both sides of each hinge.

L/R

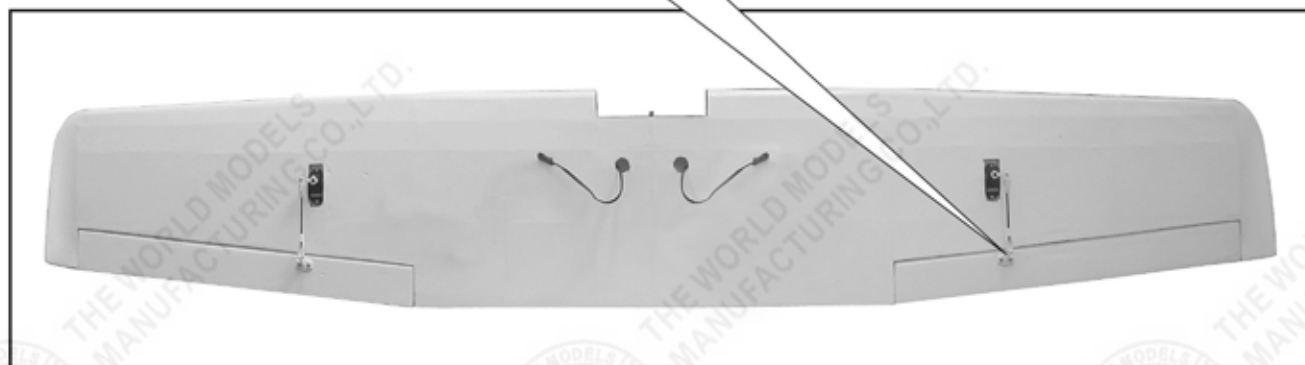
2 Aileron Servos

PM2x12mm Screw

4



● Ø1mm pilot holes for World Models control horn are pre-drilled. Please look for pin-hole marks at under side of control surfaces.

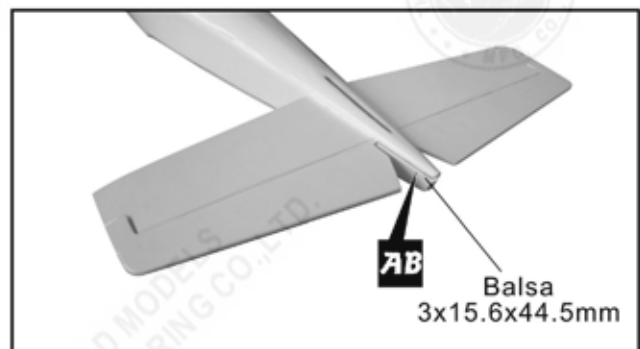
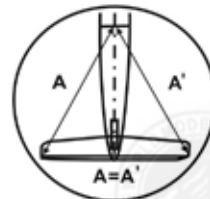
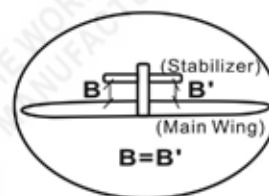
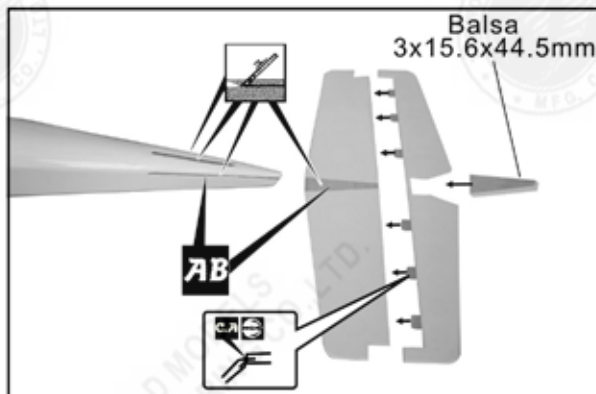


● Bottom View

L/R

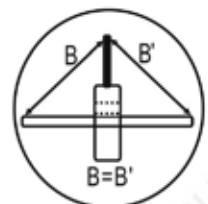
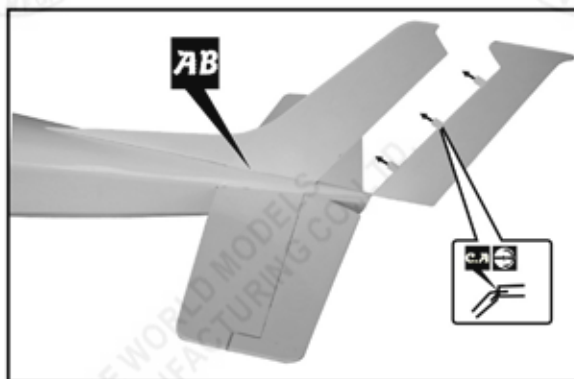
3 Stabilizer & Elevator

Temporary install the main wing, adjust leveling of the stabilizer to make it as parallel to the main wing as possible.



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

4 Vertical Fin & Rudder



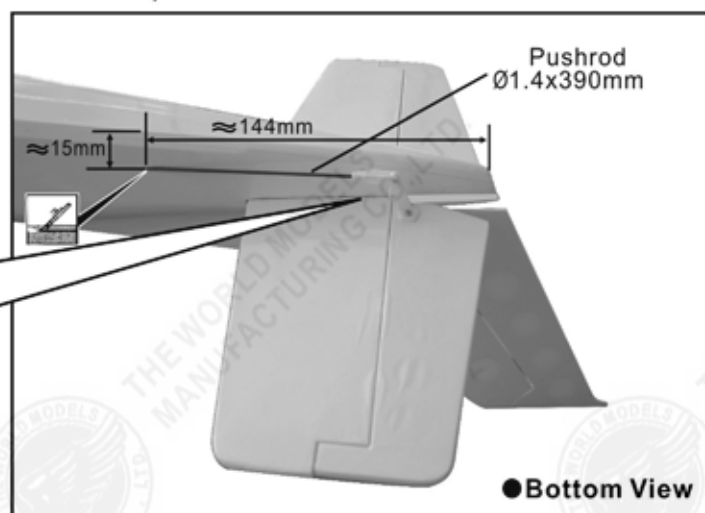
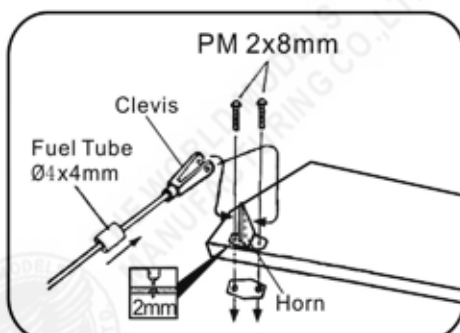
- Apply instant type CA glue to both sides of each hinge.

5 Elevator Pushrod

- Ø1mm pilot holes for World Models control horn are pre-drilled. Please look for pin-hole marks at under side of control surfaces.

PM2 x 8mm Screw

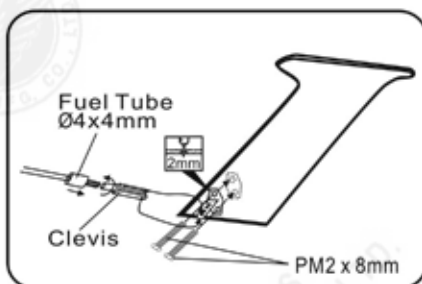
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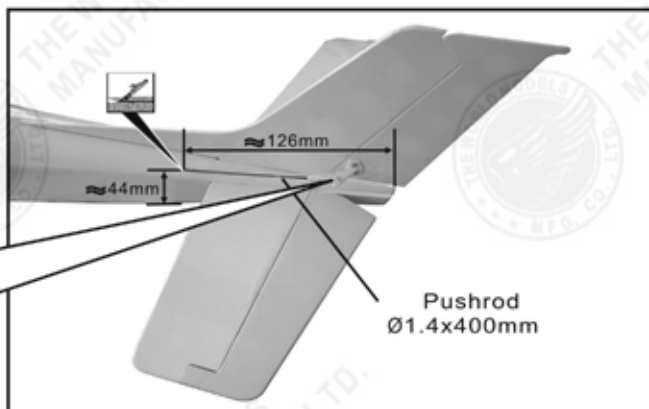
6 Rudder Pushrod

PM2 x 8mm Screw

2



- Ø1mm pilot holes for World Models control horn are pre-drilled. Please look for pin-hole marks at side of control surfaces.



7 Front Landing Gear

PA2x6mm Screw

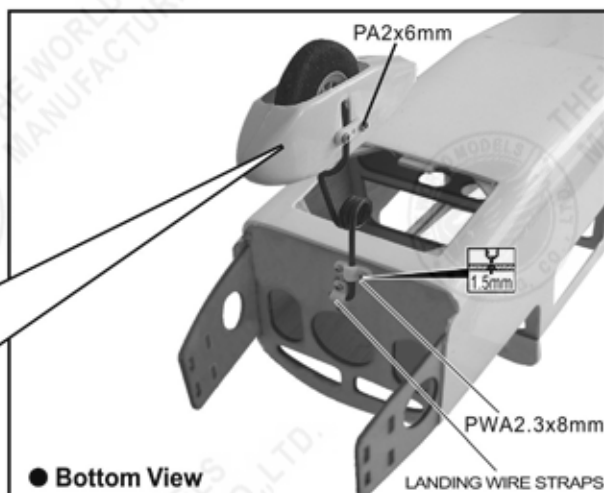
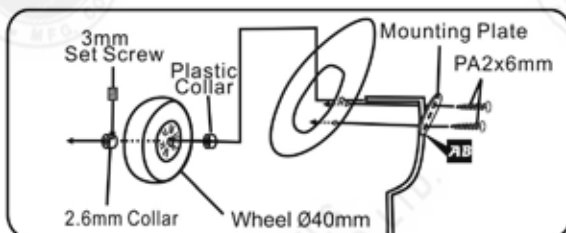
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PWA2.3x8mm Screw

4

2.6mm Collar

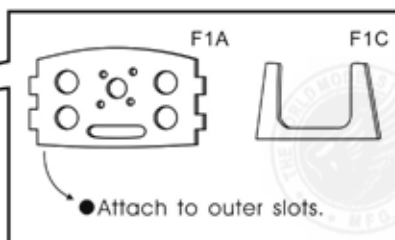
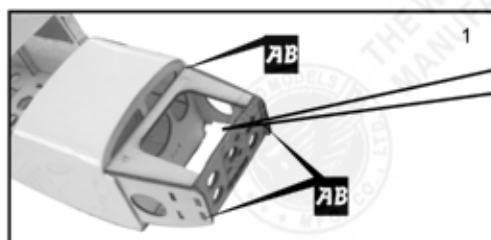
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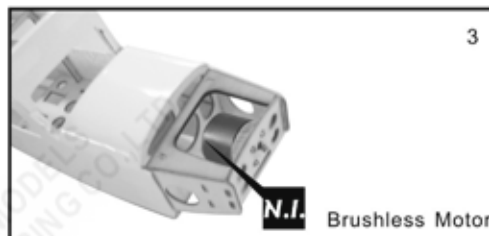
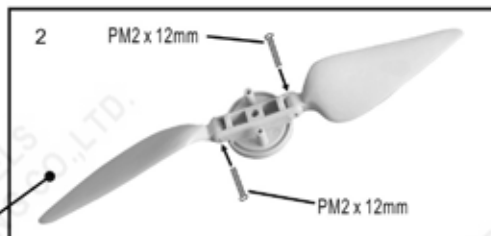
● Bottom View

8A Brushless Motor / Cowling

- This step is for Direct Drive Brushless motor set up. Please follow step 8 for Geared Speed 400 motor set up.



- Attach to outer slots.



TIGHTEN THE PM2 SCREW TO HOLD THE PROPELLER BLADES IN FULLY EXTENDED POSITION, FOLDING BLADES ARE NO GOOD FOR THIS MODEL.



8 Motor / Cowling

M2.6 x 7mm **Socket Head Screw**

PM2 x 12mm **Screw**

PM2 x 10mm **Screw**

PWA2 x 8mm **Screw**

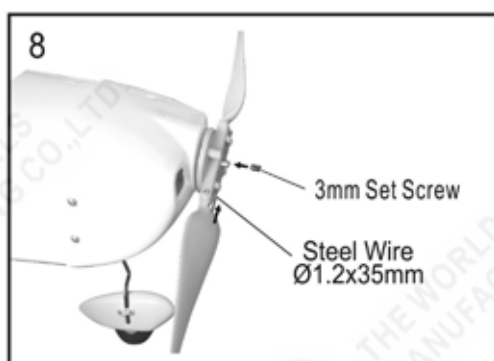
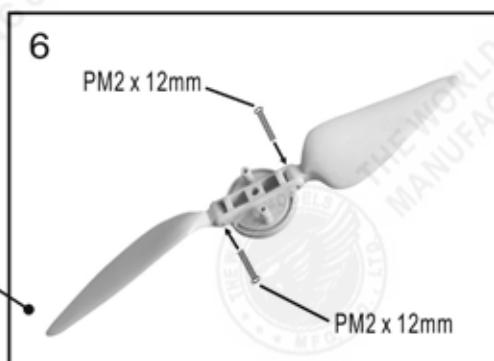
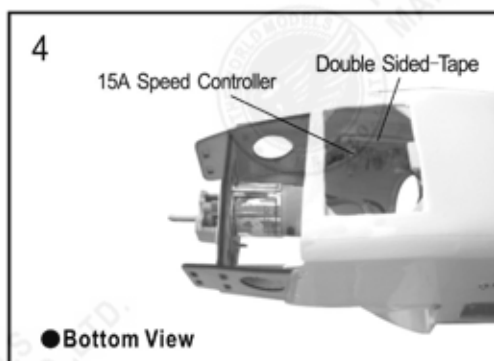
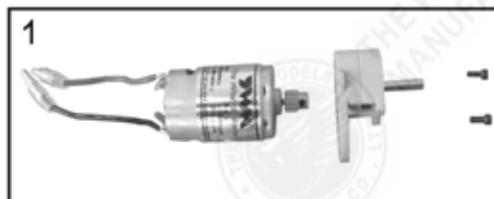
PA2.6 x 10mm **Screw**

M2 Nut

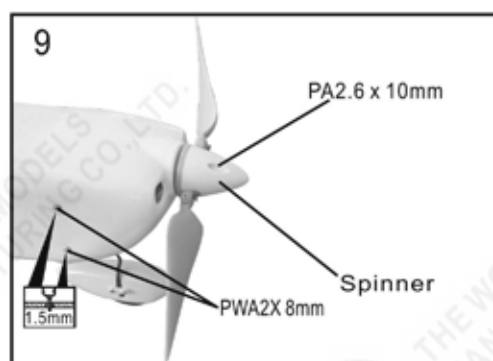
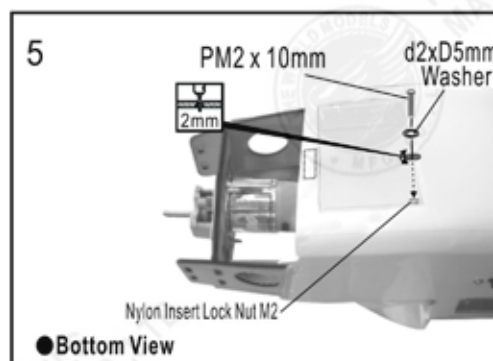
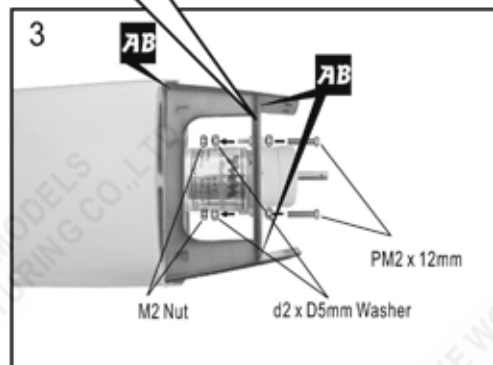
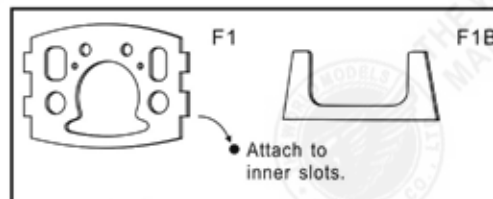
M2 Nylon Insert Lock Nut

d2 x D5mm **Washer**

3mm **Set Screw**



● TO ALLOW FOR BACKLASH OF MATCHING GEAR, PUT A PIECE OF THIN PAPER BETWEEN THE GEARS AND THEN TIGHTEN THE M2.6X7mm SCREWS. REMOVE THE PAPER BEFORE FLYING.



● TO ALLOW FOR BACKLASH OF MATCHING GEAR, PUT A PIECE OF THIN PAPER BETWEEN THE GEARS AND THEN TIGHTEN THE M2.6X7mm SCREWS. REMOVE THE PAPER BEFORE FLYING.

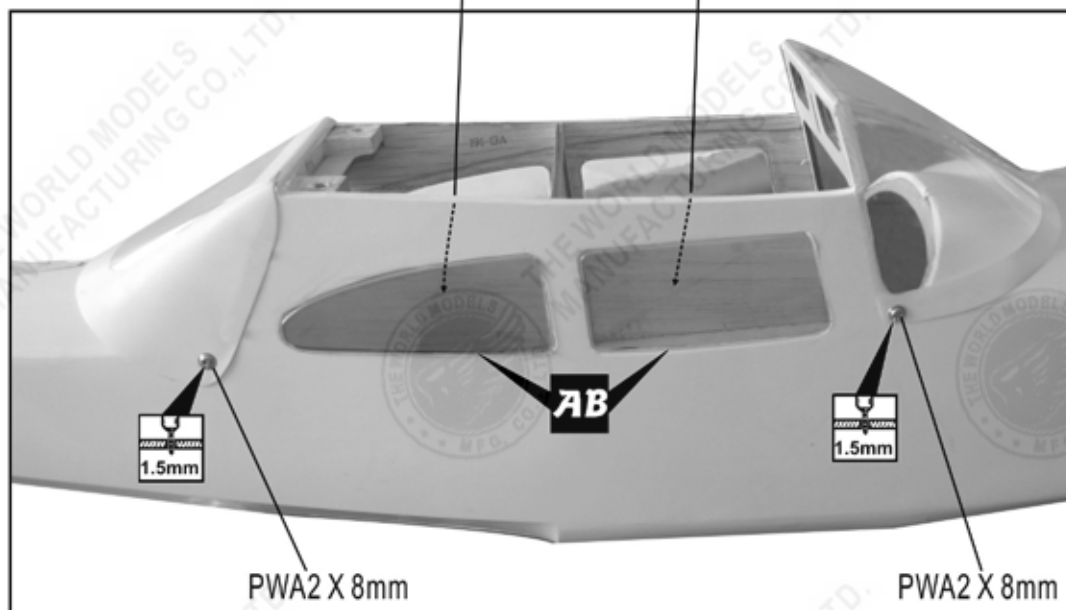
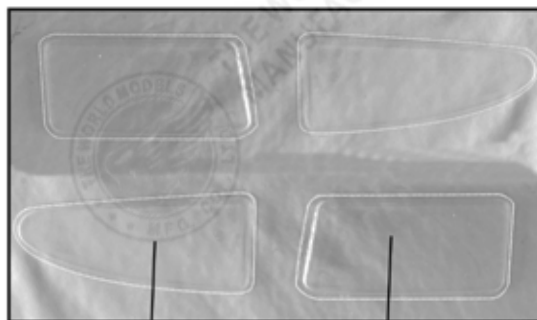


9 Canopy

PWA2 X 8mm Screw



4



L/R

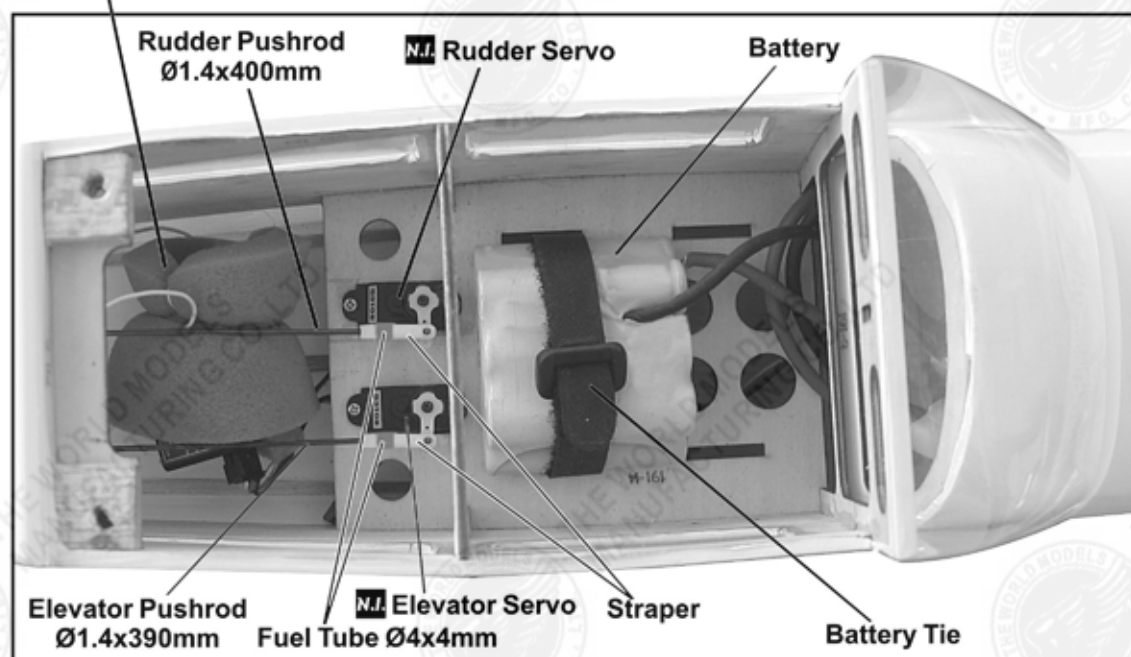
PWA2 X 8mm

PWA2 X 8mm

10 Radio Equipment

● Install and arrange the servo as shown in the diagram.

● Receiver wrapped up in sponge



11 Tail Landing Gear

PWA2.3x10mm Screw

6

PA2x6mm Screw

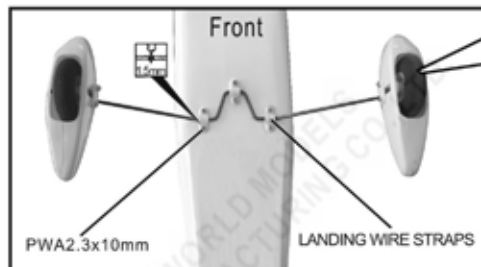
4

2.6mm Collar

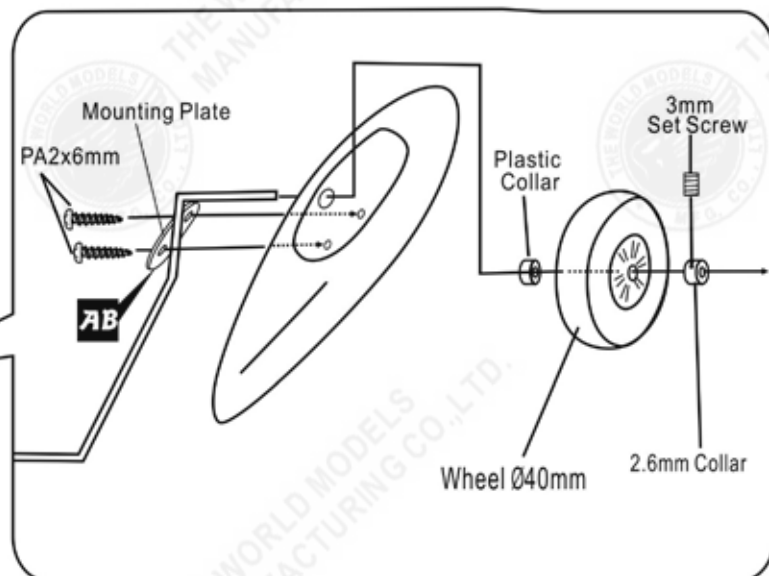
2

Plastic Collar

2



● Bottom View



L/R

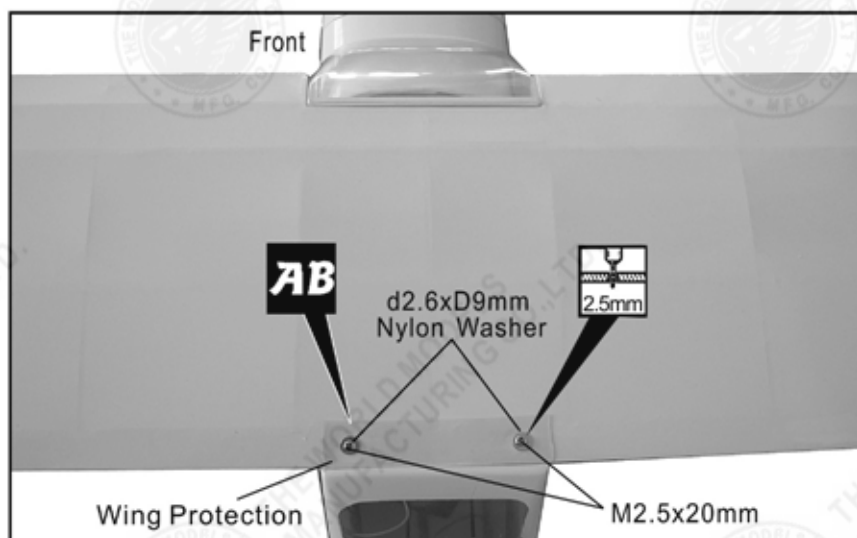
12 Main Wing

M2.5x20mm Nylon Bolt

2

d2.6xD9mm Nylon Washer

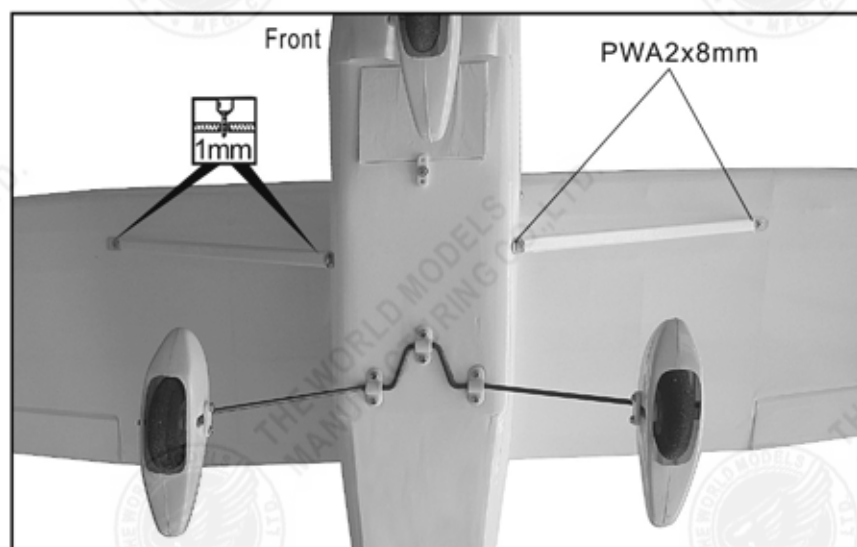
2



13 Wing Struts

PWA2x8mm Screw

4

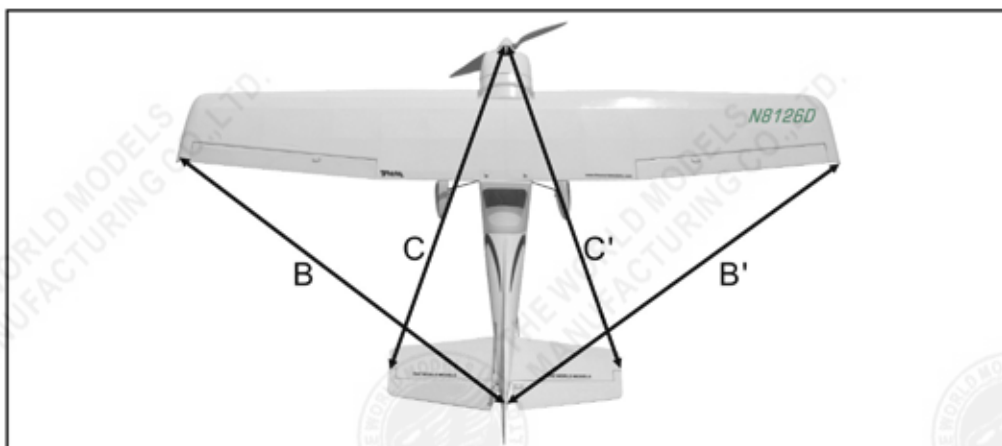
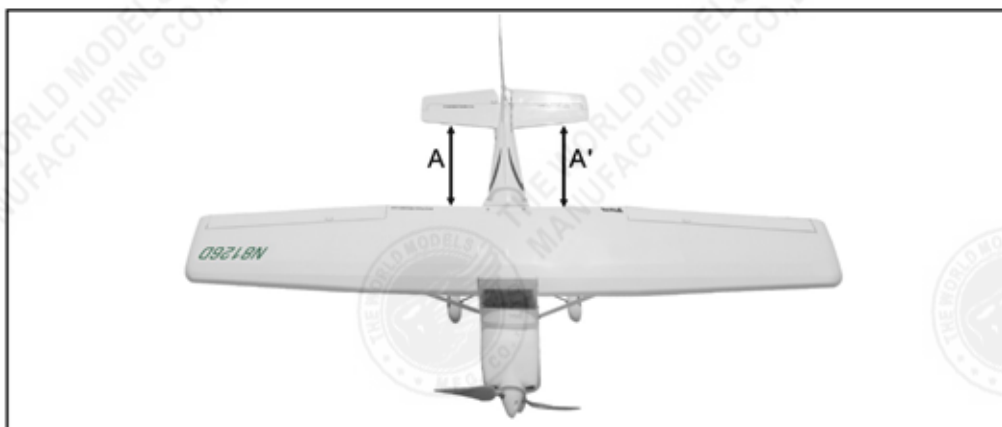


● Bottom View

L/R

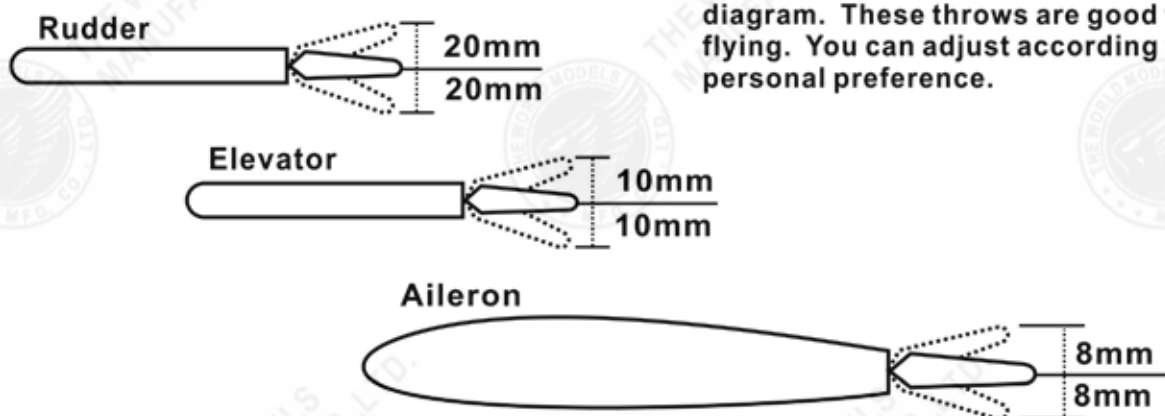
14 Wing Setting

- Adjust the wing and fuselage configuration as shown in the diagrams.



$$A=A' \quad B=B' \quad C=C'$$

15 Control Throws



Adjust the control throws as shown in the diagram. These throws are good for general flying. You can adjust according to your personal preference.

16 C.G.



The ideal C.G. position is 51mm (2 in.) behind the leading edge measured at where the wing meets the fuselage. In order to obtain the C.G. specified, add weight to the fuselage or move the battery position. Check the C.G. before flying.

! Warning!

Important Safety Precautions

- # First time flyer should never fly by himself/ herself. Assistance from experienced flyer is absolutely necessary.
- # Pre-flight adjustment must be done before flying, it is very dangerous to fly a badly pre-adjusted aircraft.
- # *Sky Link* EP is specially designed to be powered by **speed 400 geared** motor.
- # Make sure the air field is spacious, never fly the plane too close to people and never get too close to a running propeller.
- # If you find wrinkles on the covering as a result of weather changes, you can use hot iron to remove the wrinkles. Please begin with lower temperature setting and gradually raise the temperature until the wrinkles are gone. Too hot an iron may damage the covering.
- # Check and re-tighten up all factory assembled screws, use thread locker if applicable.

Product Registration Form (US Customers)

We would like to share with you any relevant information regarding your model, including product news and free upgrade parts when applicable. Please fill in the following and send to Air Borne Models, 2403, Research Drive, Livermore, CA 94550.U.S.A .

1.Name: _____

2.Address:_____

3.Phone #:_____ e-mail: _____

4.Model:_____

Wing QC#_____Fuselage QC# _____
(QC numbers are stamped on wing and fuselage)

5.Date of Purchase:_____

6.Store Name:_____

Please call AirBorne Models at 925 371 0922 for any assistance in filling this form.
Thank you very much for purchasing our product.