

Aure



Radio required : 3 channels, 4 servos airplane radio

Specifications

Wing Span	81.5 in / 2070mm
Wing Area	572.0 sq in / 36.9 sq dm
Flying Weight	3.3 lbs / 1500g
Fuselage Length	43.5 in / 1100mm

* 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 engine 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.**
www.theworldmodels.com

FACTORY PRE-FABRICATED
ALMOST-READY-TO-FLY (ARF) SERIES
MADE IN CHINA

Aure

INDEX

BEFORE YOU BEGIN	P. 1
PARTS LIST	P. 2
ASSEMBLY	P. 3 - 11
SAFETY PRECAUTIONS	P. 11

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.
- 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!



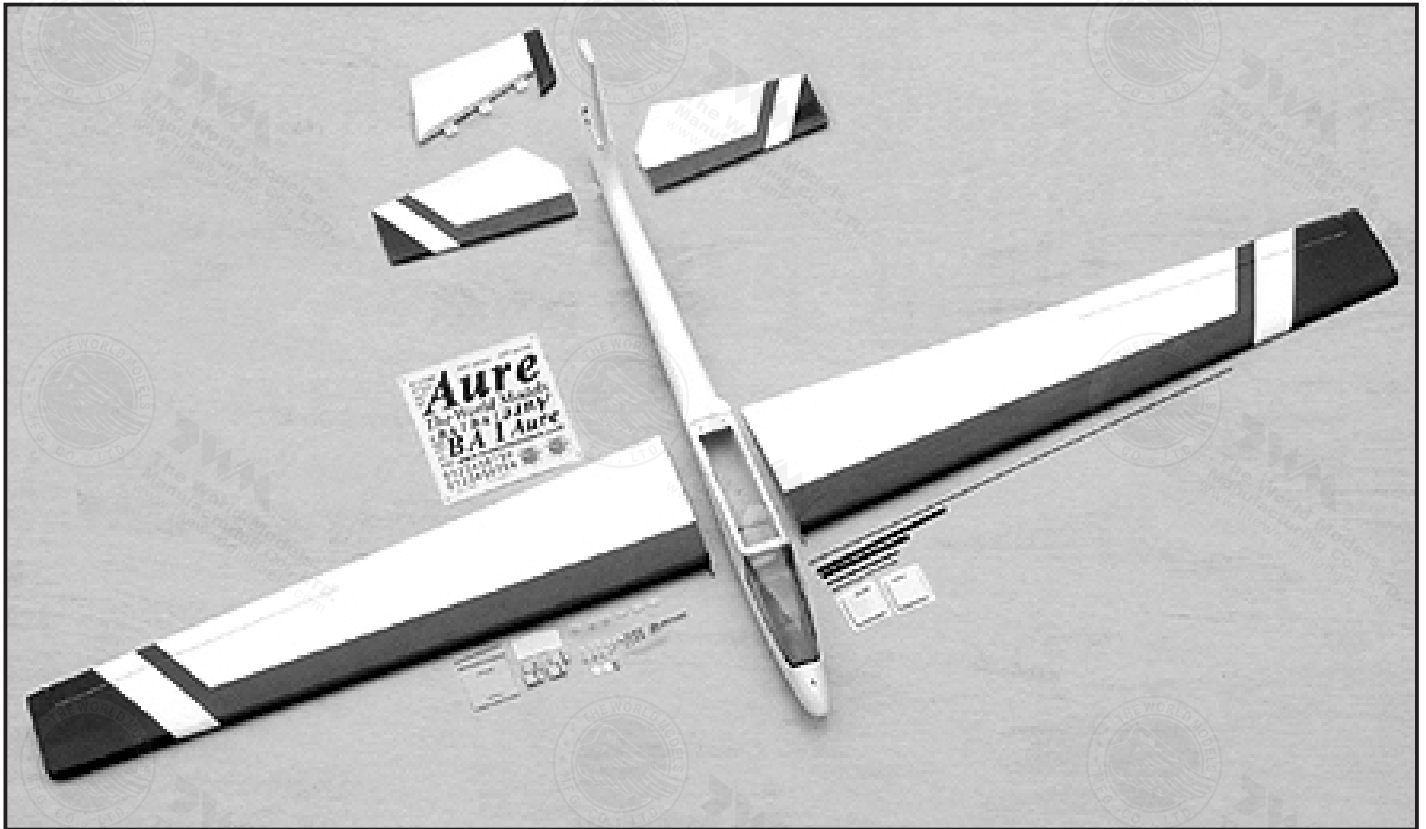
Pay close attention here!



Do not overlook this symbol!



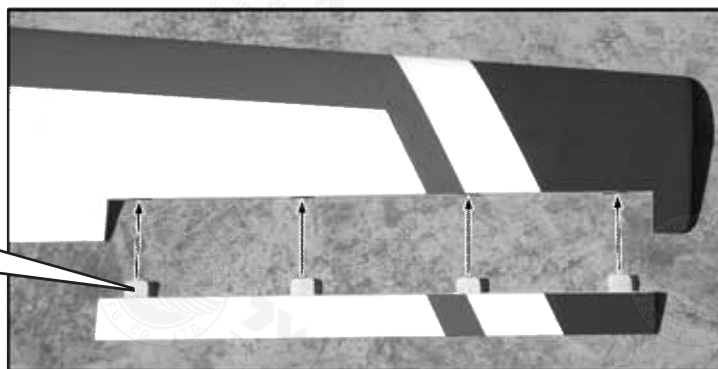
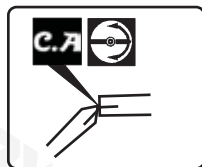
Pierce the shaded portion
covering film.



Parts List

1. FUSELAGE – 1pc.
2. MAIN WING – 1 pair
3. ELEVATOR –1 pc.
4. RUDDER –1 pc.
5. CANOPY & COCKPIT –1 set
6. AILERON SERVO COVER –2 pcs
7. PUSHROD & PULLWIRE :-
METAL ROD $\varnothing 1.8 \times 50 \text{mm}$ (For Radio) –2 pcs
METAL ROD $\varnothing 1.8 \times 735 \text{mm}$ w/Threads (For Rudder) –1 pc.
8. WOODEN PARTS :-
BALSA $4 \times 4 \times 70 \text{mm}$ (For Radio) –2 pcs
PLYWOOD $2 \times 55 \times 70 \text{mm}$ (For Radio) –1 pc.
WOODEN $8 \times 16 \times 24 \text{mm}$ (For Aileron Servo) –4 pcs
9. PLASTIC PARTS :-
CLEVIS –3 pcs
STRAPER –3 pcs
HORN –3 sets
PLASTIC PLATE $1.5 \times 33.5 \times 71 \text{mm}$ –1 pc.
10. METAL PARTS :-
LINKAGE CONNECTOR –1 set
WING JOINER $\varnothing 4 \times 142 \text{mm}$ –1 pc.
WING JOINER $\varnothing 6 \times 211 \text{mm}$ –1 pc.
STABILIZER JOINER $\varnothing 3 \times 127 \text{mm}$ –1 pc.
STABILIZER JOINER $\varnothing 3 \times 144 \text{mm}$ –1 pc.
SET SCREW 3mm –2 pcs
SCREW PM $2 \times 12 \text{mm}$ –4 pcs
SCREW PM $2 \times 20 \text{mm}$ –2 pcs
SCREW PM $3 \times 16 \text{mm}$ –2 pcs
SCREW PWA $2 \times 8 \text{mm}$ –8 pcs
WASHER $d3 \times d12 \text{mm}$ –2 pcs
11. FUEL TUBE $\varnothing 6 \times 5 \text{mm}$ –6 pcs
12. DECALS –1 set

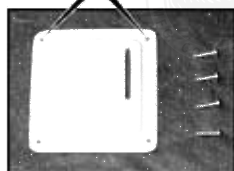
1 Aileron



L/R

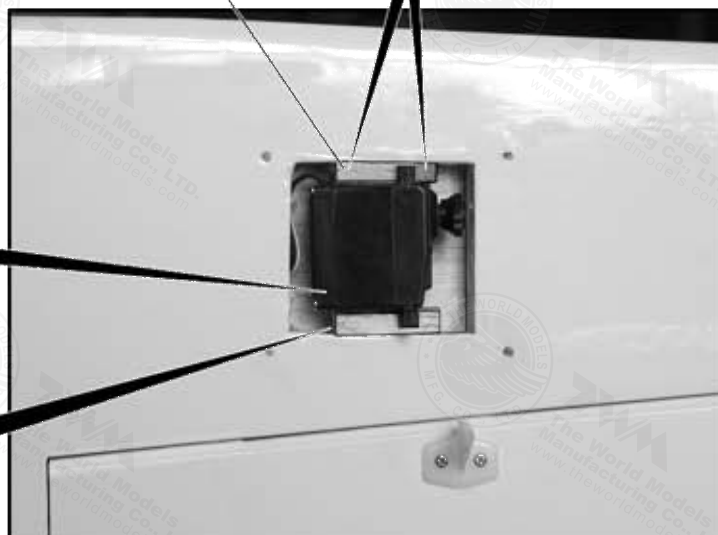
2 Aileron Servo

- PWA2 x 8mm Screw 8
- PM2 x 30mm Screw 4



Wooden 8x16x24mm

AB

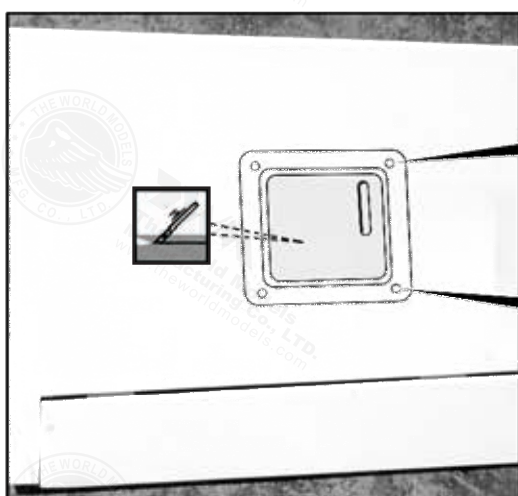


N.I.

1mm

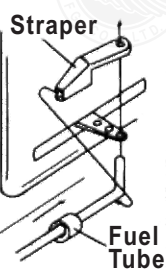
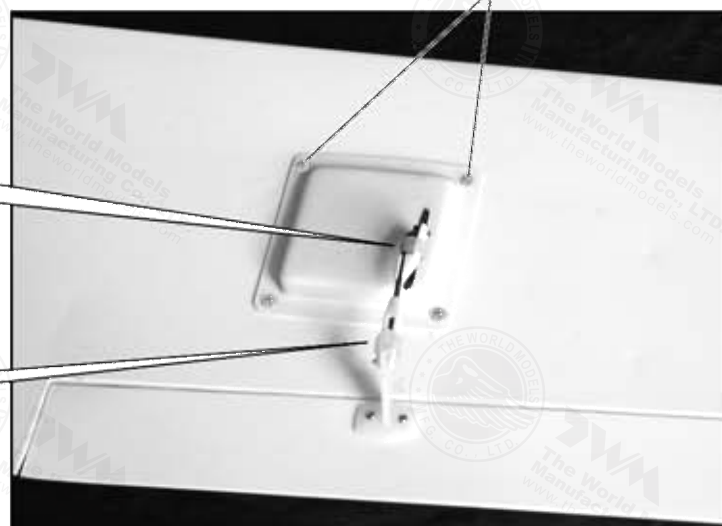
AB

1mm

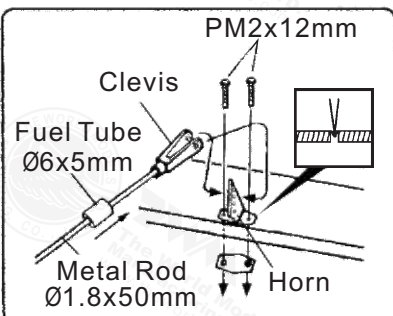


● Bottom View

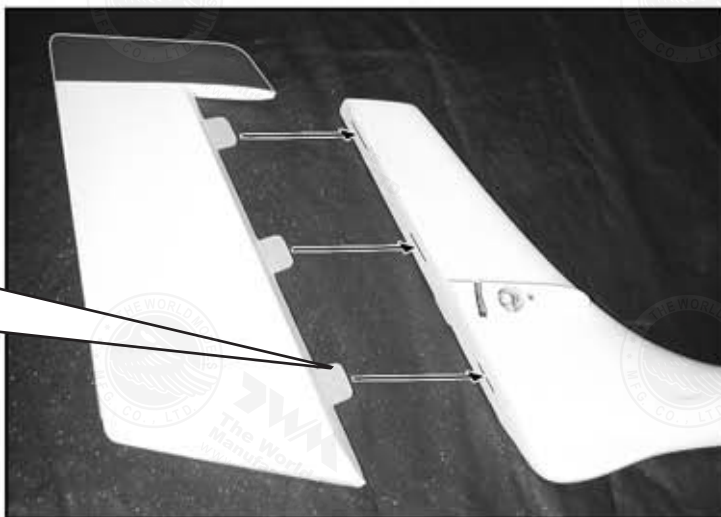
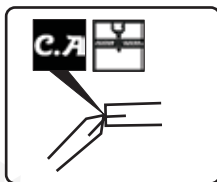
PWA2x8mm



AB



3 Rudder



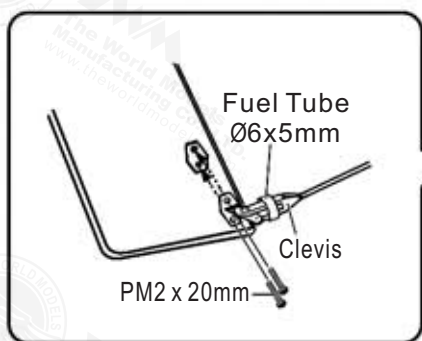
4 Rudder Pushrod

PM2 x 20mm Screw

2



Rudder Pushrod
Ø6x5mm



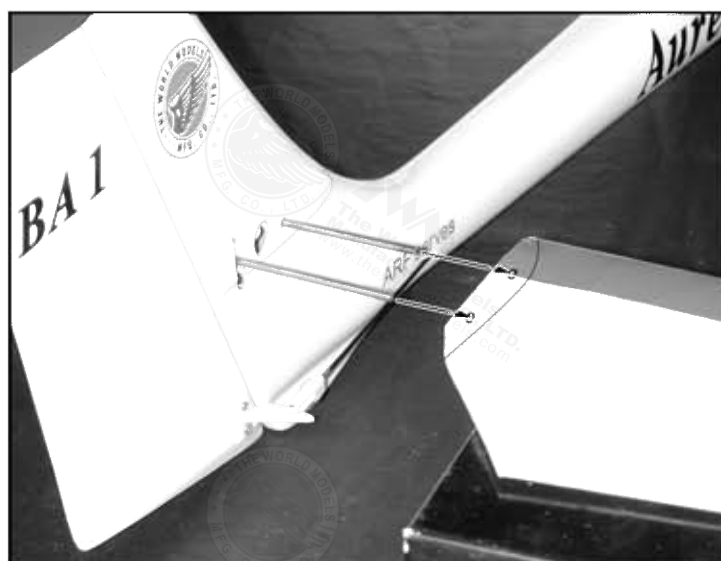
5 Stabilizer / Elevator



Stabilizer Joiner
Ø3x127mm

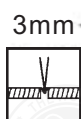


Stabilizer Joiner
Ø3x144mm



● Top View

6 Stabilizer / Elevator



L/R



● Bottom View

7 Servo Set

LINKAGE CONNECTOR

3 X 3mm Set Screw

1

Linkage Connector

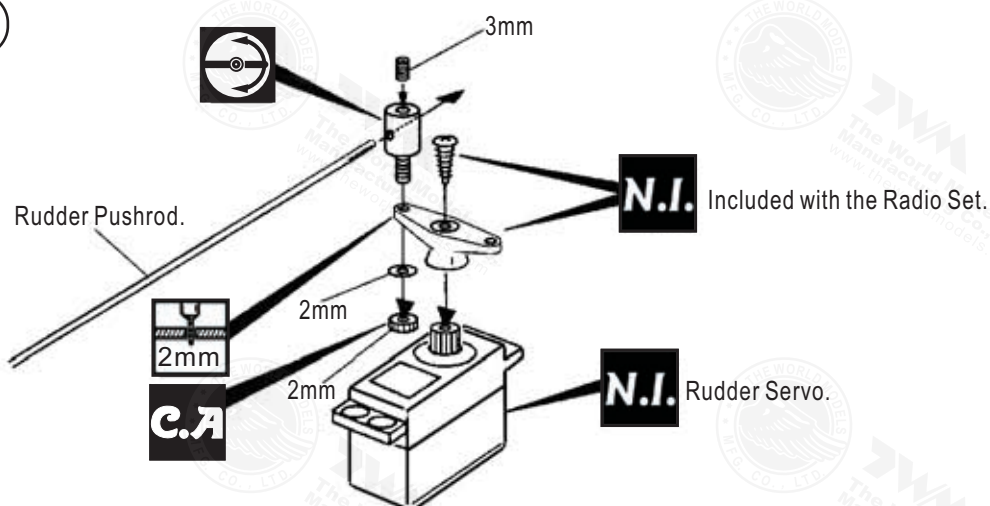
1

2mm Nut

1

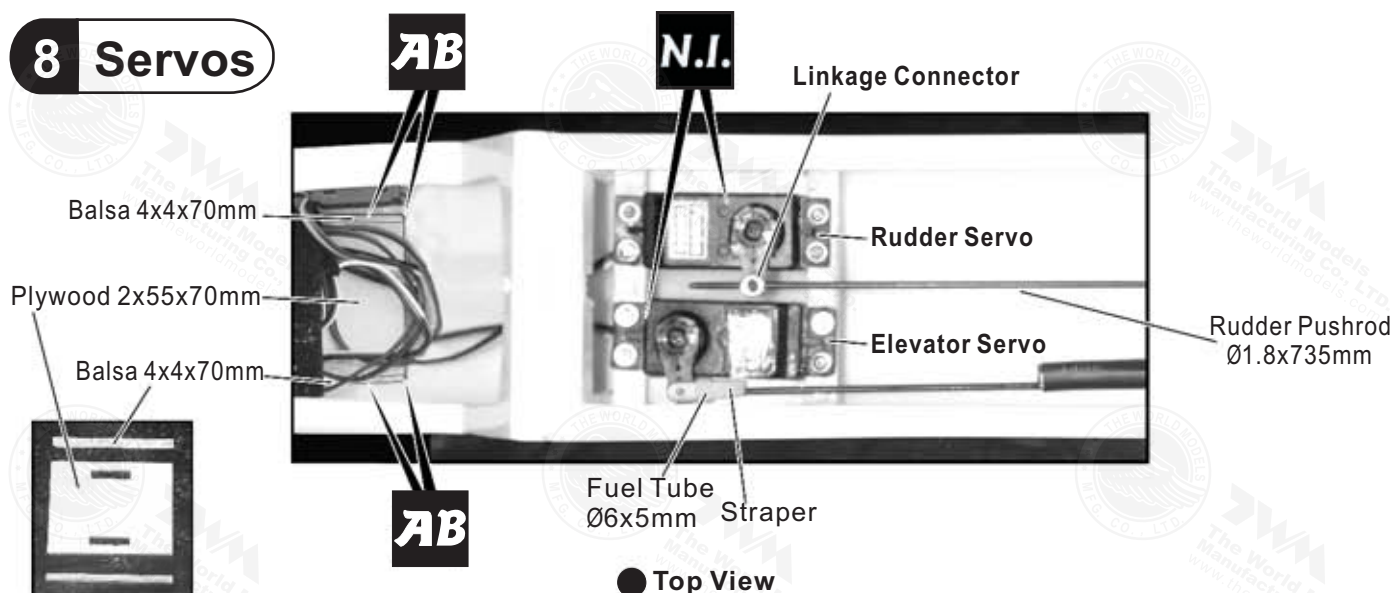
2mm Washer

1



Please refer to attached sheet for linkage connector installation.

8 Servos



9 Main Wing

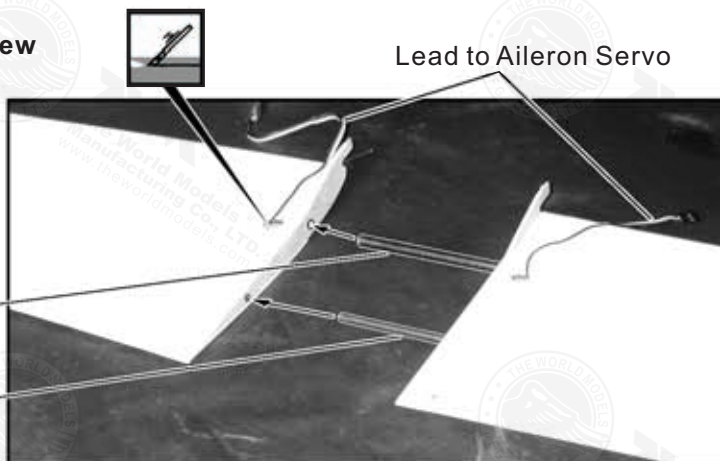
d3 x D12mm Washer	2
PM3 x 16mm Screw	2

● Bottom View

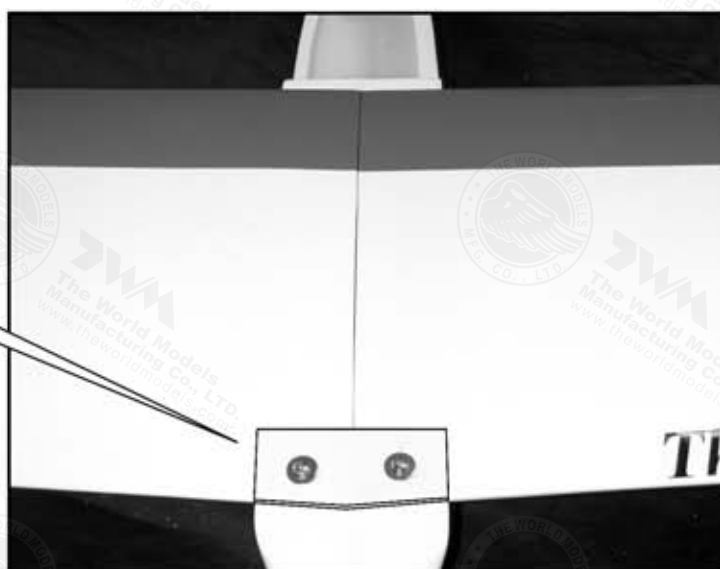
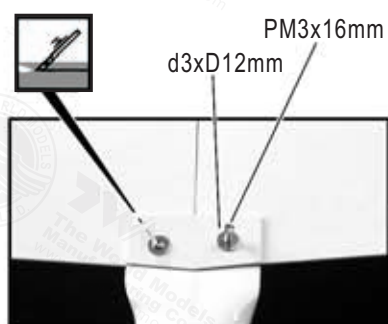
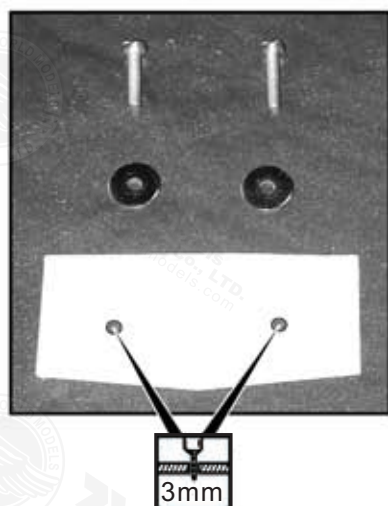
Wing Joiner
Ø6x211mm

Wing Joiner
Ø6x142mm

Lead to Aileron Servo



● Top View

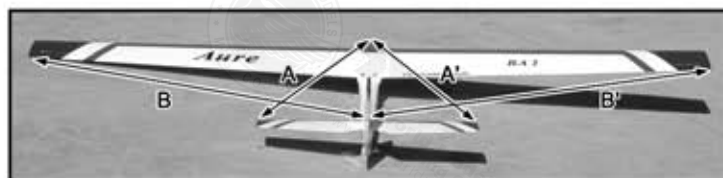


10 Canopy

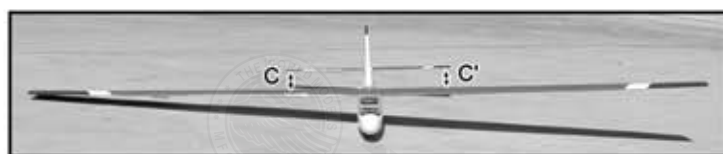


11 Wing Setting

Adjust the wing and fuselage configuration as in the diagrams.

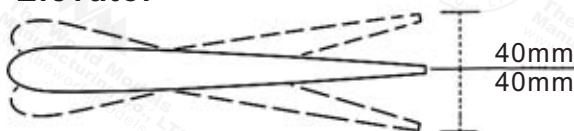


$A = A'$
 $B = B'$
 $C = C'$



12 Control Throws

Elevator



Rudder



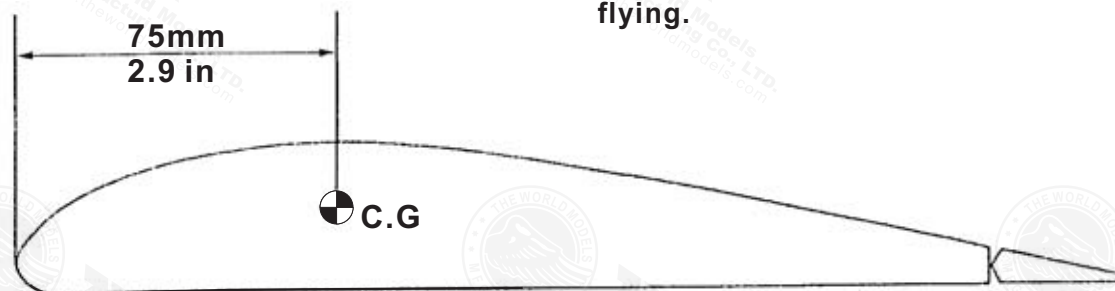
Aileron



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

13 C.G.

The ideal C.G. position is 75mm (2.9 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!

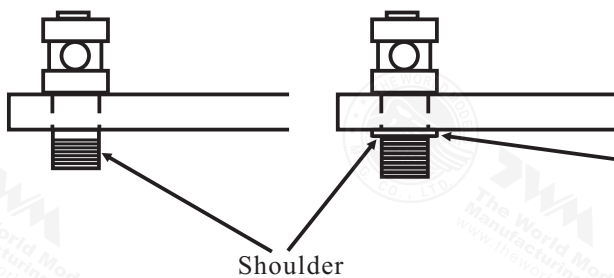
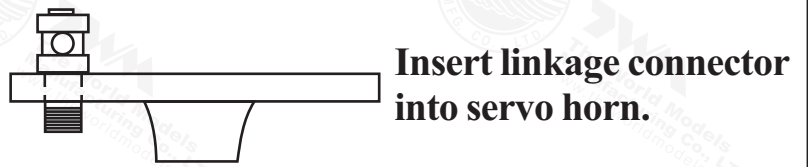
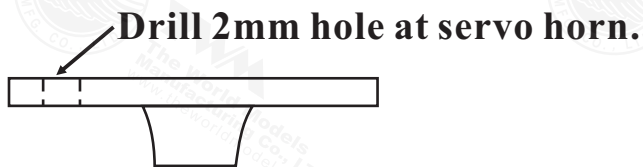
Important Safety Precautions

- #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.
- #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.

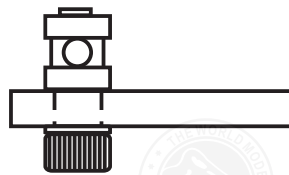
ADDENDUM

LINKAGE CONNECTOR

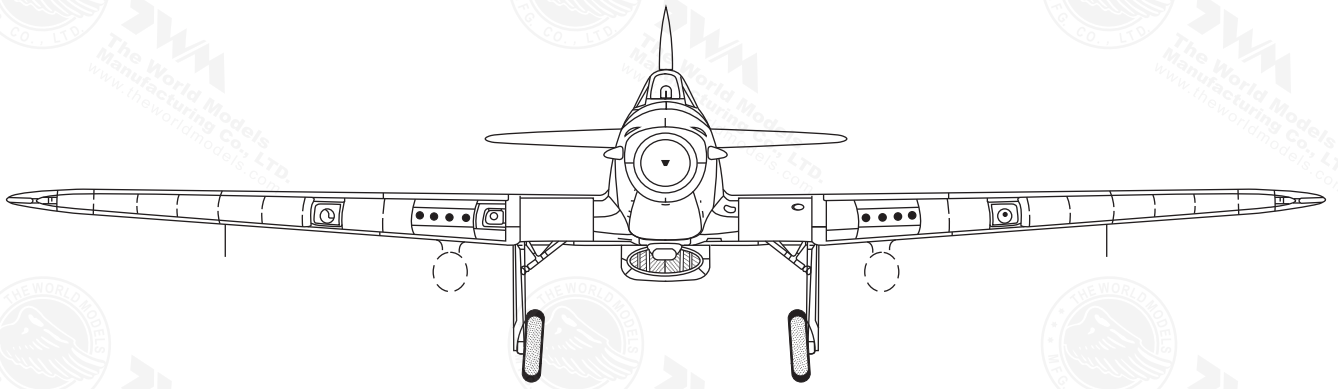
HW7111030 & HW7111060



Make sure shoulder of screw is cleared from servo horn.
Add washer to reduce play if necessary.



After fastening the round nut, make sure that the linkage connector can rotate freely.



Ducted Fan

Pattern

Warbirds

Funfly

Scale

Electric

Sports

Glider

Trainer Boat

Accessories

Covering

(Lightex /oughlon)



**The World Models
Manufacturing Co., LTD.**
www.theworldmodels.com