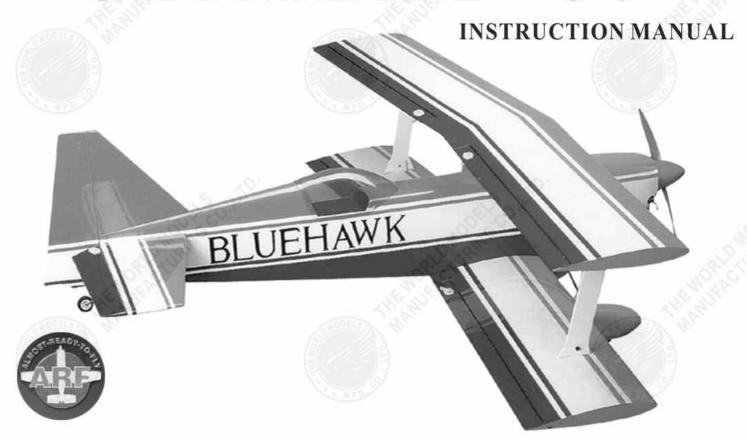
ULTIMATE - 30



0.25 - 0.40 cu. in. displacement 2-cycle 0.40 - 0.52 cu. in. displacement 4-cycle Radio required : 4 channels, 4 servos airplane radio

Specifications

Wing Span 42.0 in / 1060 mm

Wing Area 578 sq in / 37.3 sq dm

Flying Weight 4.4 - 4.6 lb / 2000 - 2100 g

Fuselage Length 39.0 in / 990 mm

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.

FACTORY PRE-FABRICATED
ALMOST-READY-TO-FLY (ARF) SERIES
MADE IN CHINA
www.theworldmodels.com



^{*} Specifications are subject to change without notice. *

ULTIMATE - 30

INDEX

BEFORE YOU BEGIN	P.	1
PARTS LIST	P.	2
ASSEMBLY	P.	3-10
SAFETY PRECAUTIONS	P.	11

BEFORE YOU BEGIN

- Read through the manual before you begin, so you will have an overall idea of what to do.
- 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 manufacturer will replace any defective parts, but will be difficult to extend to the good parts that are good before gluing to defective parts during assembly.
- Symbols used throughout this instruction manual comprise of the following.



Apply epoxy glue.



Apply epoxy 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.



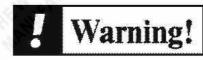
Drill holes with the specified diameter (here: 3 mm).



Must be purchased separately!



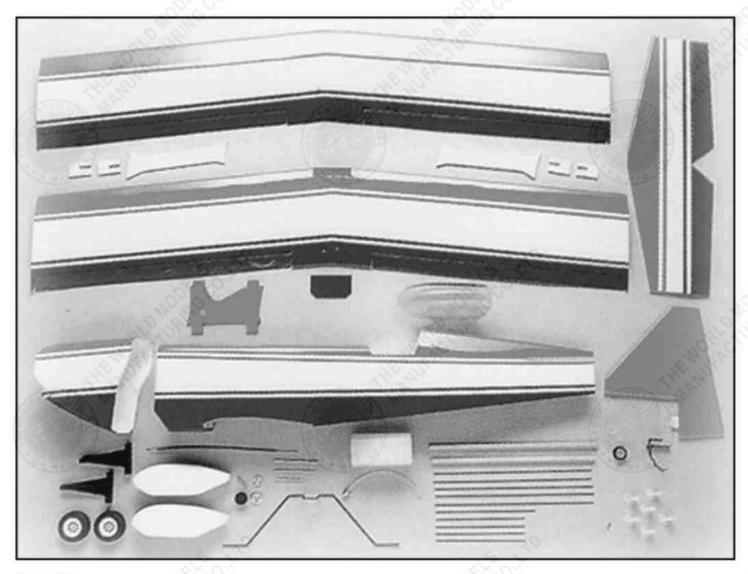
Pay close attention here!





Pierce the shaded portion covering film.

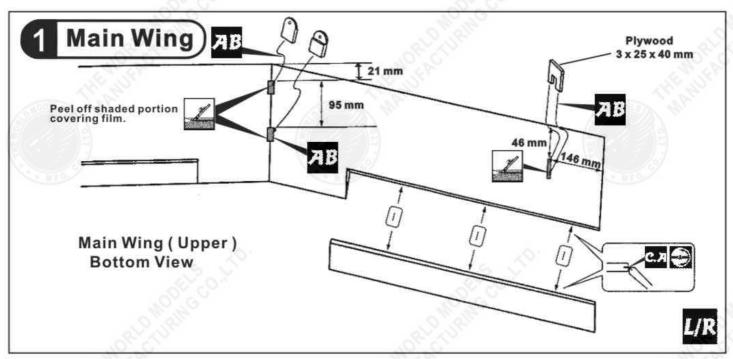
Do not overlook this symbol!

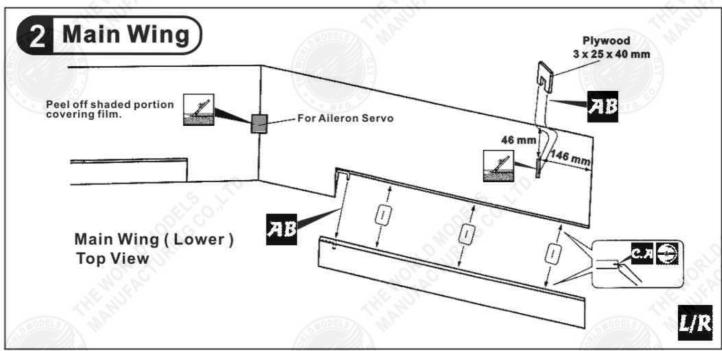


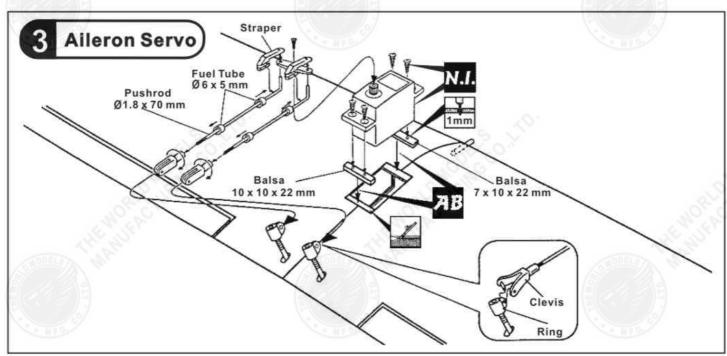
Parts List

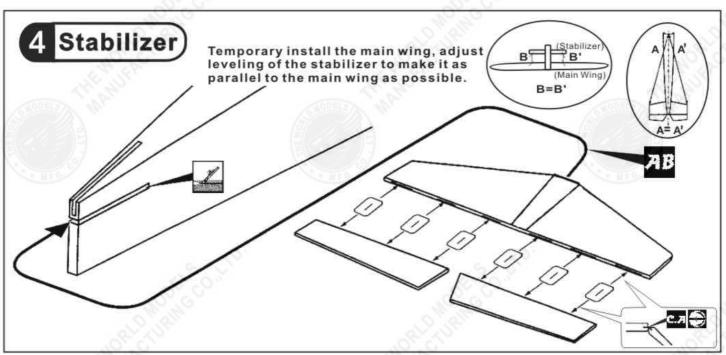
- 1.FUSELAGE -- 1 pc.
- 2.MAIN WING -- 2 pairs
- 3.MAIN WING BRACE -- 1 set (3pcs)
- 4.STABILIZER & ELEVATOR -- 1 set
- 5.VERTICAL FIN & RUDDER -- 1 set
- 6.CANOPY -- 1 pc.
- 7.COWLING -- 1 pc.
- 8.SPINNER Ø 52mm -- 1 pc.
- 9.ENGINE MOUNT PL5111-030 -- 1 set
- 10.FUEL TANK 260cc -- 1 set
- 11.MAIN LANDING GEAR -- 1 pair
- 12.TAIL LANDING GEAR -- 1 set
- 13.MAIN WHEEL COVER -- 1 pair
- 14.MAIN WHEEL Ø 50mm -- 2 pcs
- 15.TAIL WHEEL Ø 23mm -- 1 pc.
- 16.PUSHROD:-WOODEN ROD Ø 8 x 280mm (For Rudder Servo) -- 1 pc.
 WOODEN ROD Ø 8 x 290mm (For Elevator Servo) -- 1 pc.
 METAL ROD Ø1.8 x 120mm (For Elevator & Rudder Servo) -- 2 pcs
 METAL ROD Ø1.8 x 70mm w/Threads (For Aileron Servo) -- 2 pcs
 METAL ROD Ø1.8 x 165mm w/Threads (For Aileron to Aileron) -- 2 pcs
 METAL ROD Ø1.8 x 200mm w/Threads (For Ruder Servo) -- 1 pc.
 METAL ROD Ø1.8 x 180mm w/Threads (For Ruder Servo) -- 1 pc.
 METAL ROD Ø1.8 x 185mm w/Threads (For Elevator Servo) -- 1 pc.
- 17.THROTTLE PUSHWIRE Ø 1.2 x 320mm w/Plastic tube d2 x D3 x 200mm -- 1 set

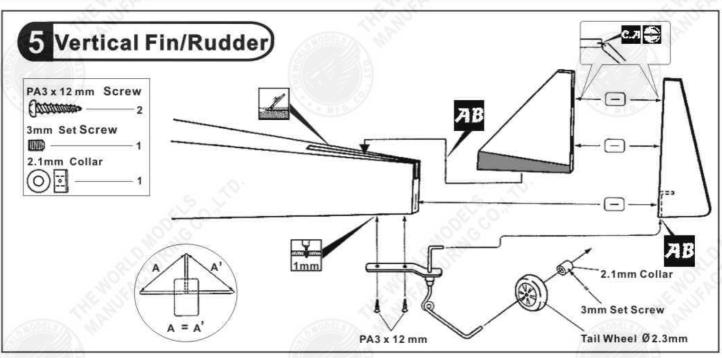
- 18.WOODEN PARTS: -BALSA 7 x 10 x 22 mm (For Aileron Servo) -- 1 pc.
 BALSA 10 x 10 x 22 mm (For Aileron Servo) -- 1 pc.
 BALSA 10 x 10 x 74 mm (For Aileron Servo) -- 1 pc.
 BALSA 5 x 5 x 81 mm (For Servos Stand) -- 2 pcs
 PLYWOOD 2 x 40 x 72 mm (Wing Protection) -- 1 pc.
 PLYWOOD 3 x 25 x 40 mm (Stylobate: Wing to Wing) -- 4 pcs
 PLYWOOD 6 x 20 x 20 mm (Stylobate: Fuselage to
 Wing) -- 1 pc.
 PLYWOOD 6 x 24 x 20 mm (Stylobate: Fuselage to
 Wing) -- 1 pc.
 PLYWOOD 3 mm -- 2 pcs
 PLYWOOD 6 mm -- 1 pc.
 PLYWOOD 6 mm -- 1 pc.
 PLYWOOD 3 x 66 x 87 mm (Servos Stand) -- 1 pc.
- 19.PLASTIC PARTS: -CLEVIS -- 9 pcs
 COLLAR Ø 3.6mm -- 4 pcs
 PLATE -- 5 pcs
 RING Ø 2.3mm -- 2 pcs
 STRAPER -- 3 pcs
 HORN -- 7 sets
 PILOT (PC0001063A) -- 1 pc.
 SILICON GROMMET d1.5 x D6.5mm (For Canopy & Cowling) -- 9 pcs
- 20.METAL PARTS: -LINKAGE CONNECTOR 2.1mm -- 2 sets
 COLLAR 2.1mm w/set screw -- 1 set
 COLLAR 3.6mm w/set screw -- 2 sets
 NUT 3mm -- 8 pcs
 NYLON INSERT LOCK NUT 3mm -- 6 pcs
 SCREW PA2 x 8mm -- 4 pcs
 SCREW PA3 x 12mm -- 14 pcs
 SCREW PM3 x 12mm -- 6 pcs
 SCREW PM3 x 12mm -- 6 pcs
 SCREW PM3 x 20mm -- 4 pcs
 SCREW PM3 x 25mm -- 4 pcs
 SCREW PM4 x 30mm -- 1 pc.
 SCREW PW42.3 x 8mm -- 5 pcs
 SCREW PW42.6 x 12mm -- 4 pcs
 WASHER 3mm -- 24 pcs
 WASHER 4mm -- 1 pc.
- 21.FUEL TUBE Ø 6 x 5mm; -- 12 pcs HEAT-SHRINK TUBE Ø8 x 40mm -- 4 pcs
- 22.DECALS: -- 1 set

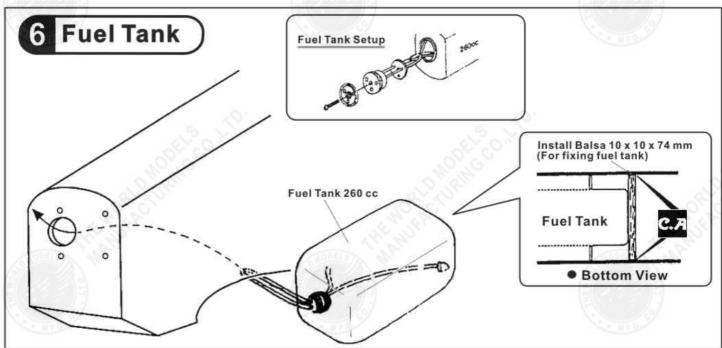


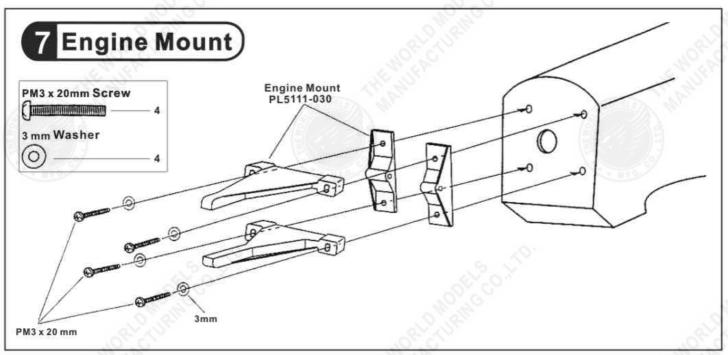


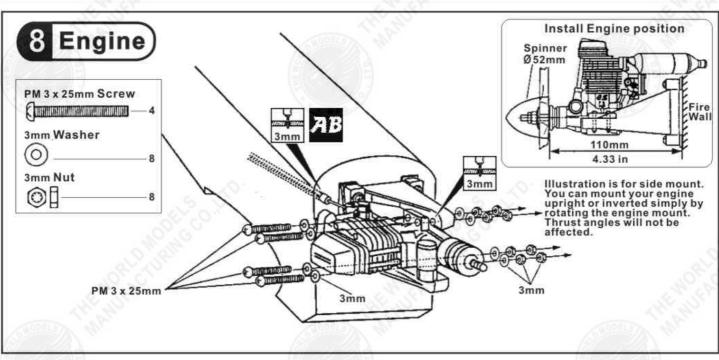


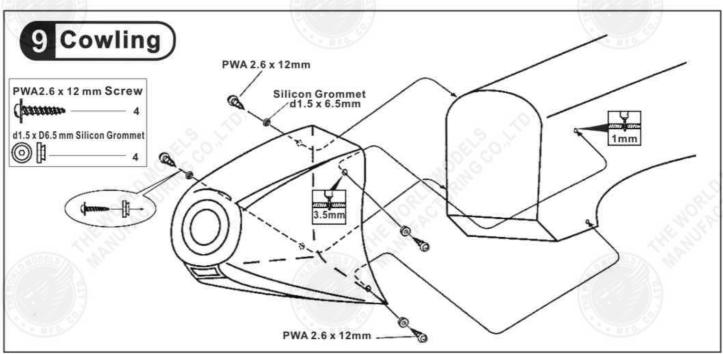


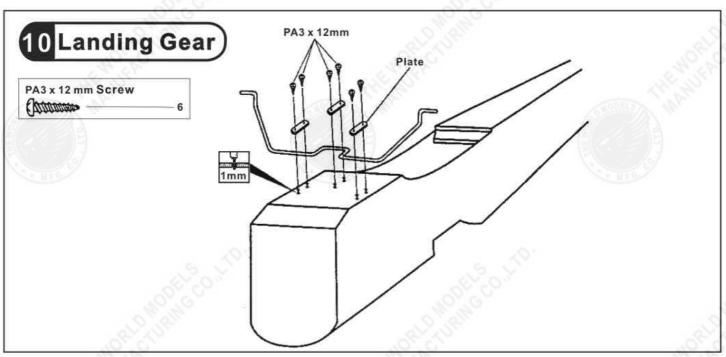


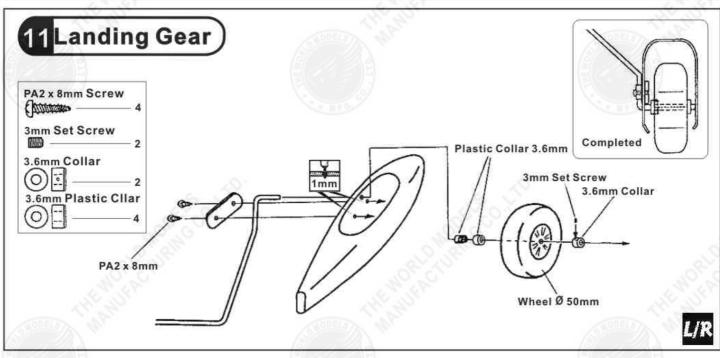


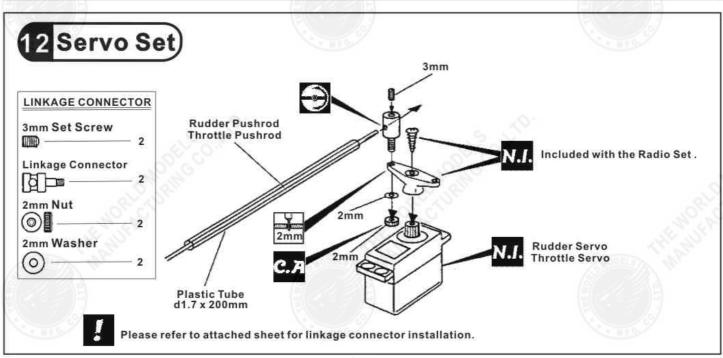


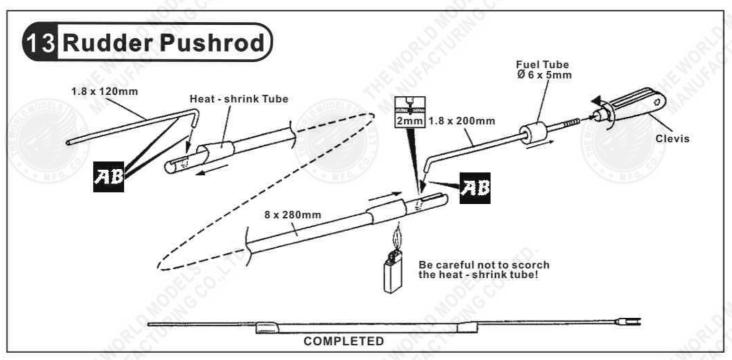


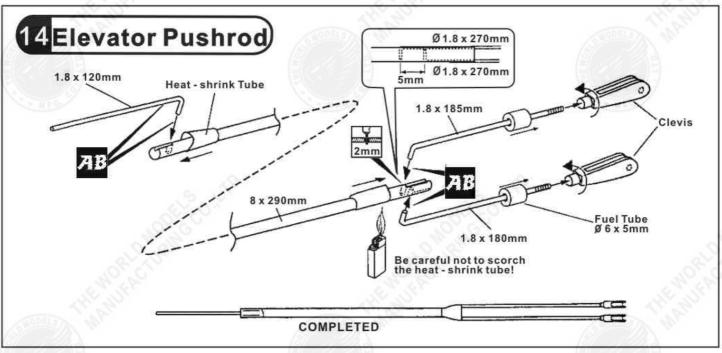


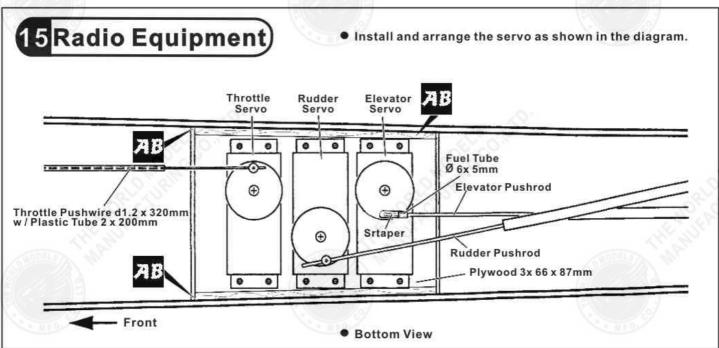


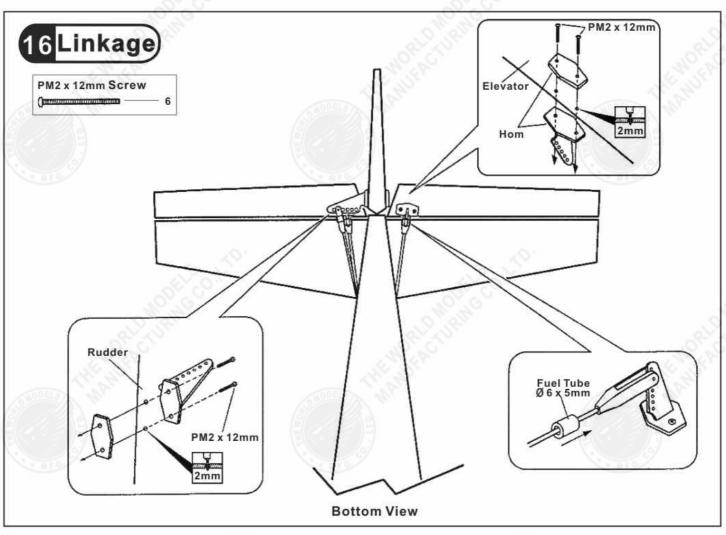


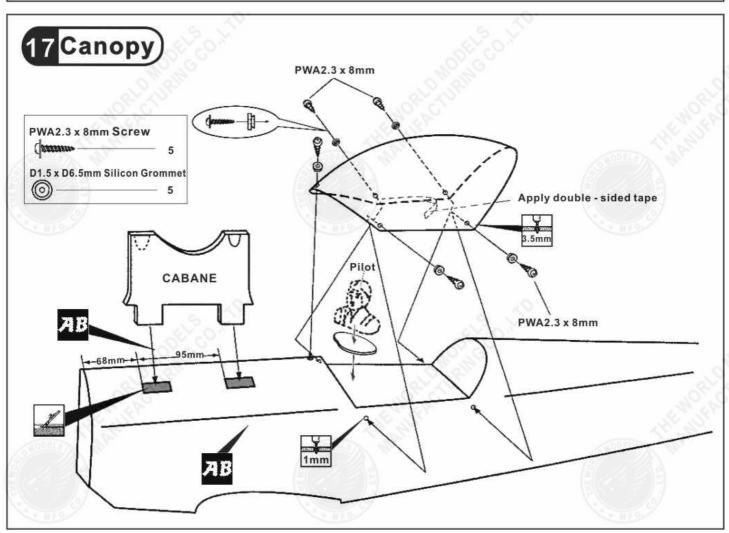


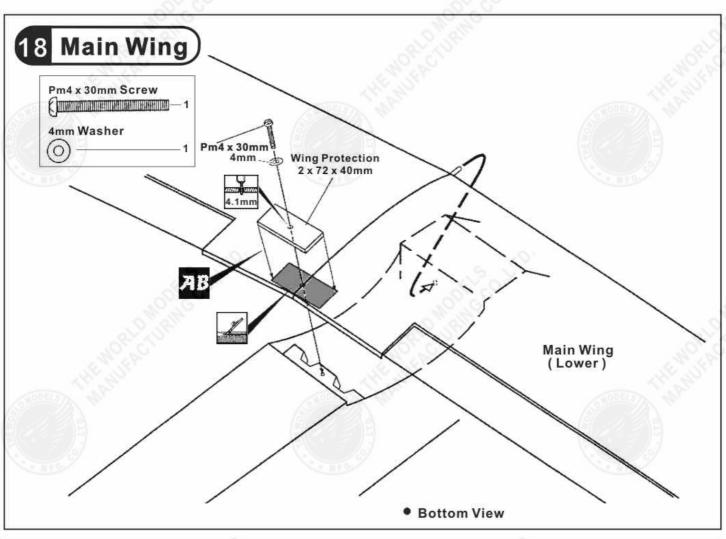


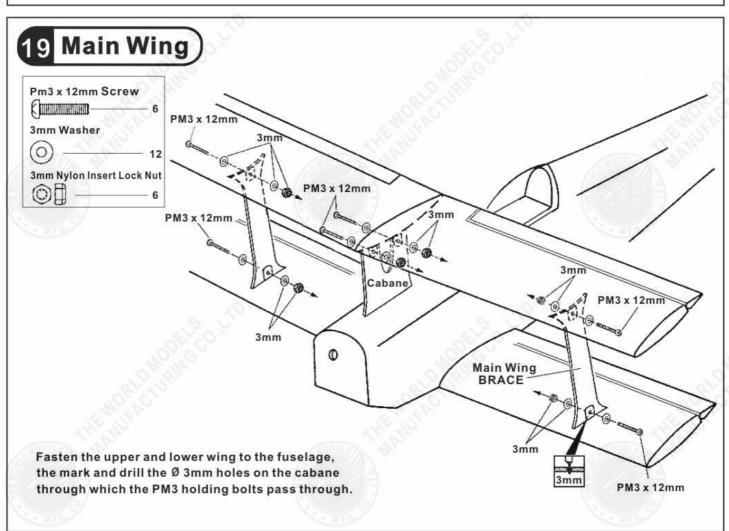


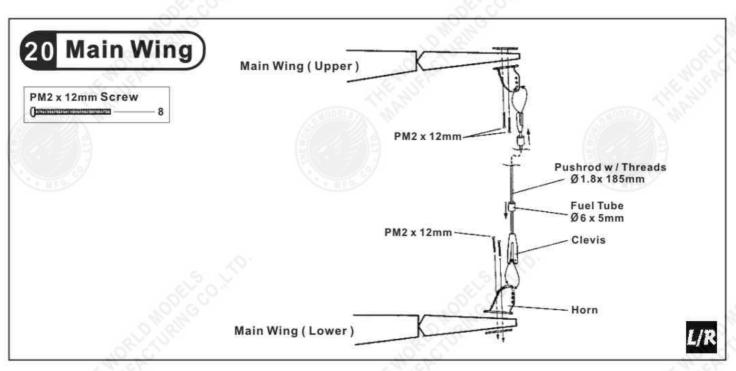


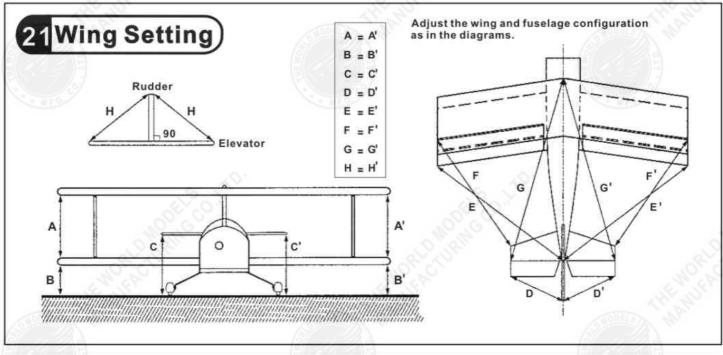


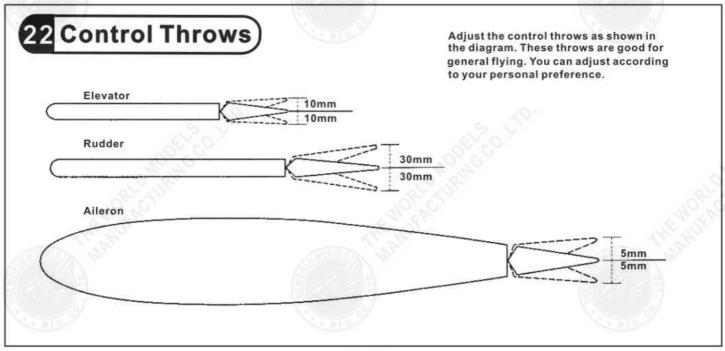


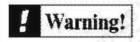












Important Safety Precautions

- # 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.
- **#ULTIMATE** 30 is designed to be powered by 2C 0.25 0.40 or 2C 0.40 0.52 engine, using a more powerful engine does not mean better performance. In fact, over powered engine may cause severe damage and injuries.
- #Make sure the air field is spacious, never fly the plane too close 3 to people and never get too close to a running propeller.

A0090402





