INSTRUCTION MANUAL

1/3 CLIPPED WING CUB



Requires: 80 cc gasoline engine, 4-channel radio w/ 6 standard servos.

Specifications

Wing Span Wing Area Flying Weight Fuselage Length 120 in / 3050 mm 2402 sq in / 155 sq dm 27.5 lbs / 12500 g 90.5 in / 2300 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 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.





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

1/3 CLIPPED WING CUB

-INDEX

BEFORE YOU BEGIN ······	••••••P.1
PARTS LIST	
ASSEMBLY	•••••• P.3-P.12
SAFETY PRECAUTIONS ······	••••••P.12

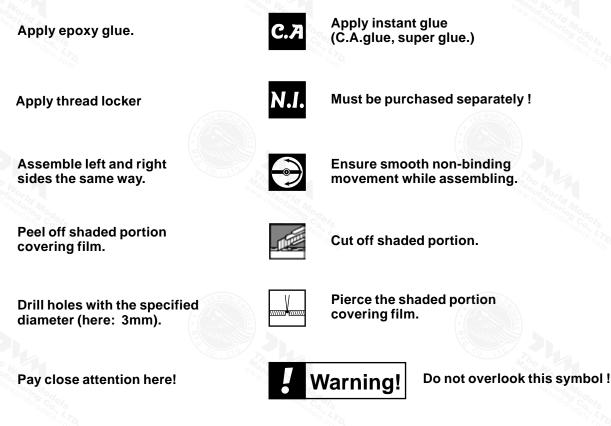
BEFORE YOU BEGIN

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 :-









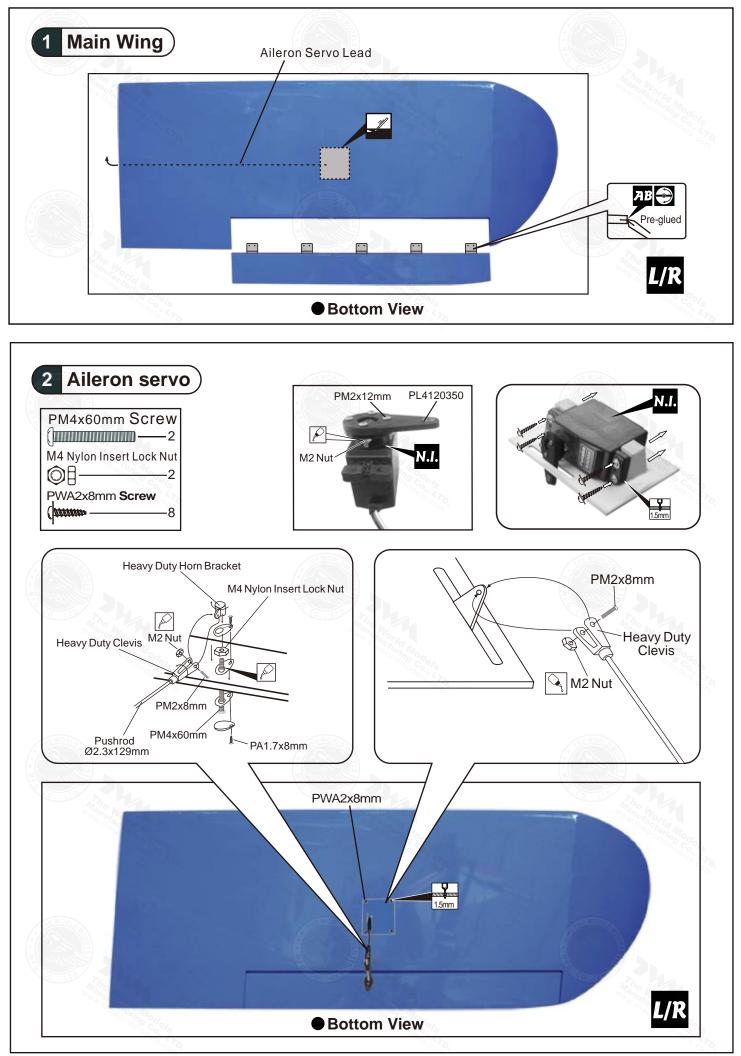


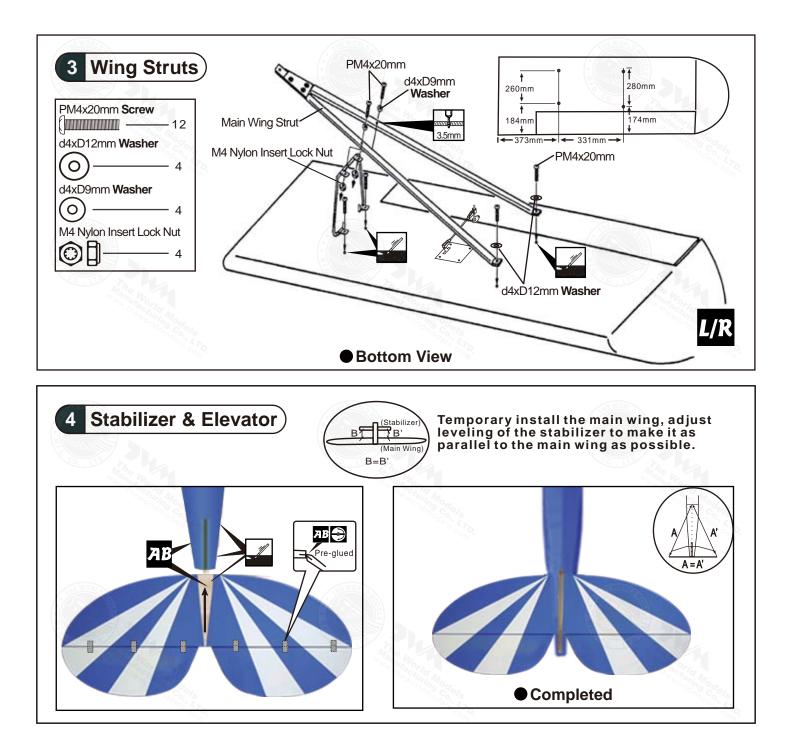


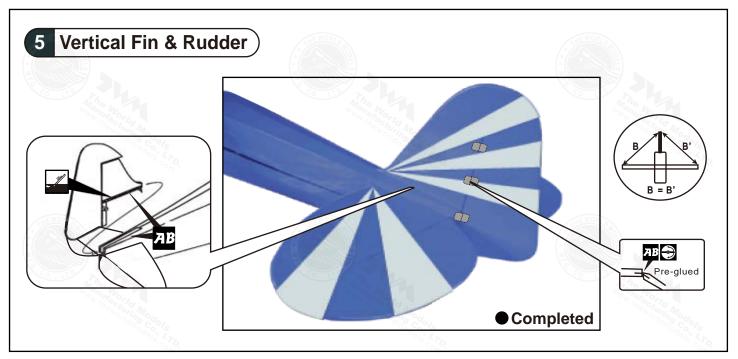
Parts List

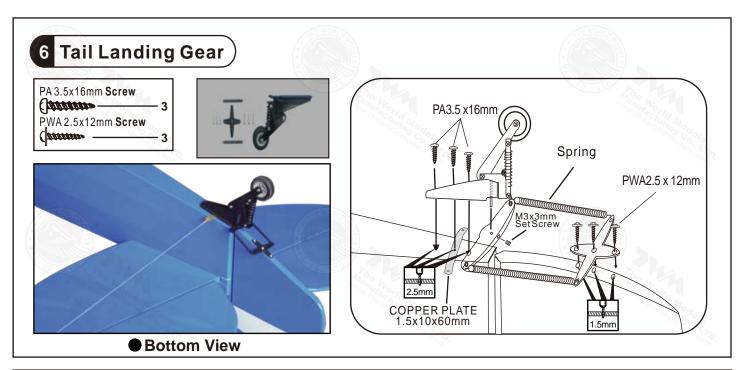
- 1. MAIN WING -- 1 pair
- 2. SERVO MOUNTING PANEL(For Aileron) -- 1 pair HEAVY DUTY CLEVIS PL4112200 -- 4 sets SCREW PM4x60mm -- 2 pcs SCREW PWA2x8mm -- 8 pcs M4 NYLON INSERT LOCK NUT -- 2 pcs HEAVY DUTY HORN BRACKET PL4112400 -- 2 sets HEAVY DUTY SERVO HORN PL4120300 -- 2 sets PUSHROD Ø2.3x129mm w/ Threads (For Aileron) -- 2 pcs SWIVEL CLEVIS HORN FAIRING PL4610010 -- 2 sets
- 3. SCREW PM4x20mm -- 12 pcs COPPER CLIPPER 0.5mm -- 8 pcs MAIN WING STRUTS -- 1 pair WING STRUT WIRE D4mm -- 2 pcs M4 NYLON INSERT LOCK NUT -- 4 pcs WASHER d4xD9mm -- 4 pcs WASHER d4xD12mm -- 4 pcs
- 4. FUSELAGE -- 1 pc. STABILIZER & ELEVATOR -- 1 set
- 5. VERTICAL FIN & RUDDER -- 1 set
- TAIL GEAR ASSEMELY (PL3410022) --1 set COPPER PLATE (For Stays on Tail Fueslage Bottom) 1.5x10x60mm -- 1 pc. SCREW PA3.5x16mm -- 3 pcs SCREW PWA2.5x12mm -- 3 pcs
- 7. MAIN LANDING GEAR -- 1 set SCREW PM4x30mm -- 2 pcs SCREW PA3x14mm -- 12 pcs SCREW PA4x25mm -- 2 pcs WASHER d4x12mm -- 2 pcs WASHER d4x9mm -- 2 pcs MOUNTING PLATE 12x20mm -- 6 pcs ALUMINUM PLATE 3x15x77mm -- 2 pcs
- 8. SCREW PA1.7x8mm -- 6 pcs SCREW PM3x12mm -- 8 pcs WASHER d3xD7mm -- 16 pcs M3 NUT -- 8 pcs COLLAR Ø6.1mm w/ set screw -- 4 sets LARGE SCALE CAPTIVE AIR WHEELS Ø140mm -- 2 sets PLYWOOD 2x211.5x193.5mm (Main Langing Gear Cover) --1 pair COPPER CLIPPER 0.5x12x20mm -- 8 pcs
- 9. BLIND NUT M6 -- 4 pcs WASHER d6xD15mm -- 4 pcs SOCKET HEAD SCREW M6x30mm -- 4 pcs
- 10. COWLING -- 1 pc. TRANSPARENT 3D TEMPLATE -- 1 pc. SCREW PWA3x12mm -- 4 pcs SILICON GROMMET d2.5xD8.5mm -- 4 pcs DUMMY ENGINE COVER -- 1 pair
- 11. FUEL TANK 1500cc (PL1121500G-gasoline) -- 1 set WOOD 12x12x197mm (For Fuel Tank Position Fixing) -- 1 pc.

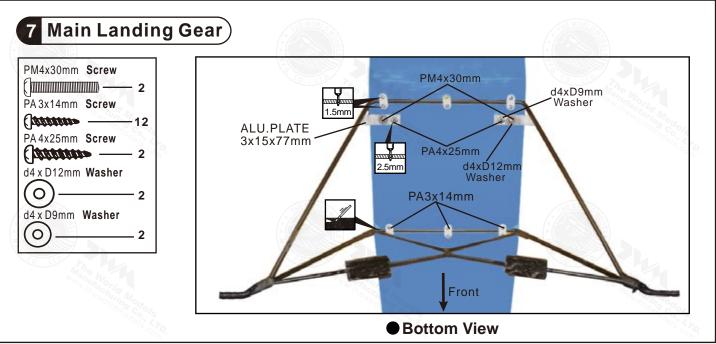
- 12. PUSHROD Ø2.3x215mm w/ threads (For Elevator) -- 2 pcs SCREW PM4x40mm -- 2 pcs M4 NYLON INSERT LOCK NUT -- 2 pcs SWIVEL CLEVIS HORN FAIRING PL4610010 -- 2 sets HEAVY DUTY HORN BRACKET PL4112400 -- 2 sets HEAVY DUTY SERVO HORN PL4120300 -- 2 sets HEAVY DUTY CLEVIS PL4112200 -- 4 sets
- PUSHROD Ø2.3x170mm w/ Threads (For Rudder) -- 1 pc. SCREW PM4x60mm -- 1 pc. M4 NYLON INSERT LOCK NUT -- 1 pc. SWIVEL CLEVIS HORN FAIRING PL4610010 -- 1 set HEAVY DUTY HORN BRACKET PL4112400 -- 1 set HEAVY DUTY SERVO HORN PL4120300 -- 1 set HEAVY DUTY CLEVIS PL4112200 -- 2 set
- 14. SCREW PM3x18mm -- 3 pcs M3 NYLON INSERT LOCK NUT -- 3 pcs COLLAR D3.6mm w/ set screw -- 4 sets WIRE Ø1.5x1950mm -- 1 pc. PLATE (For Stays) 1x8x26mm -- 6 pcs COPPER TUBE d5xD6.4X10mm (For Rudder) -- 4 pcs
- 15. SIDE WINDOWS -- 1 pair
- 16. LINKAGE CONNECTOR Ø2.1mm w/ set screw -- 1 set
- PLYWOOD 3x196x304mm (For Fuselage Servos) -- 1 pc. PLYWOOD 3x10x160mm (For Fuselage Servo Stand) -- 2 pcs BALSA 10x10x288mm (For Fuselage Servo Stand) -- 2 pcs SPONGE 10x80x200mm -- 2 pcs THROTTLE PUSHWIRE D1.2x480mm -- 1 pc. PLASTIC TUBE d2xD3xd300mm -- 1 pc.
- PILOT PC101110A -- 1 set SCREW PWA2x12mm -- 4 pcs COCKPIT BASE PANEL 3x196x444mm -- 1 pc. WOOD 10x10x443mm (For Cockpit Base Panel) -- 2 pcs
- 19. WIND SHIELD -- 1 pc. SCREW PWA2.3x12mm -- 4 pcs SILICON GROMMET d1.5x6.5mm (For Wind Shield) -- 4 pcs M2 NYLON INSERT LOCK NUT -- 2 pcs DOUBLE-SIDED TAPE 8x1000mm -- 1 pc. SCREW PM2x14mm -- 2 pcs WASHER d2xD5mm -- 4 pcs MOUNTING PLATE 5x15mm -- 2 pcs
- 20. WING TUBE Ø22x931mm -- 2 pcs SCREW PM3x30mm -- 2 pcs SCREW PA3x30mm -- 2 pcs WASHER d3xD7mm -- 4 pcs
- 21. SCREW PM4x16mm -- 2 pcs WASHER d4xD12mm -- 2 pcs M4 NYLON INSERT LOCK NUT -- 2 pcs
- 22. DECALS -- 1 set
- COVERING: TOUGHLON STL 331 CUB YELLOW TOUGHLON STL 201 BLACK TOUGHLON STL 251 SKY BLUE TOUGHLON STL 312 BRIGHT RED TOUGHLON STL 100 WHITE

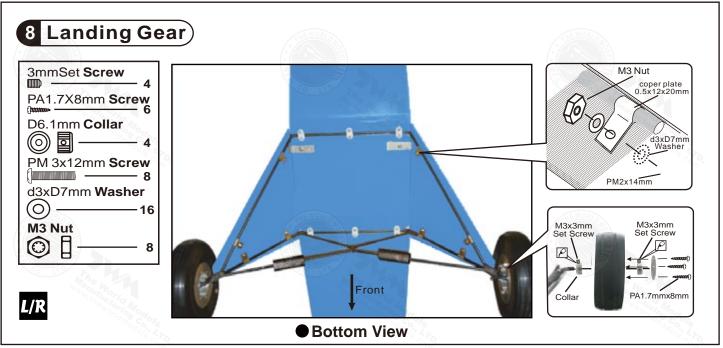


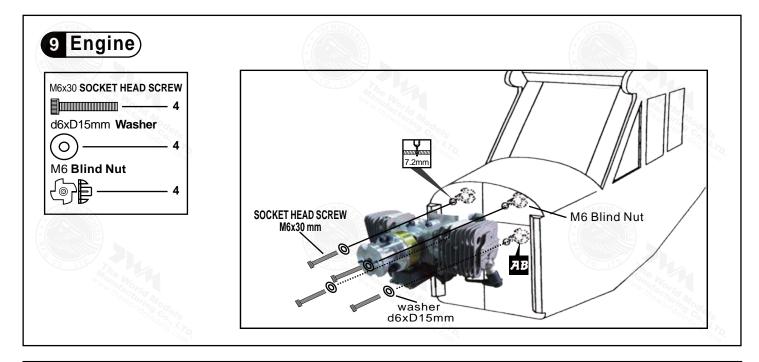


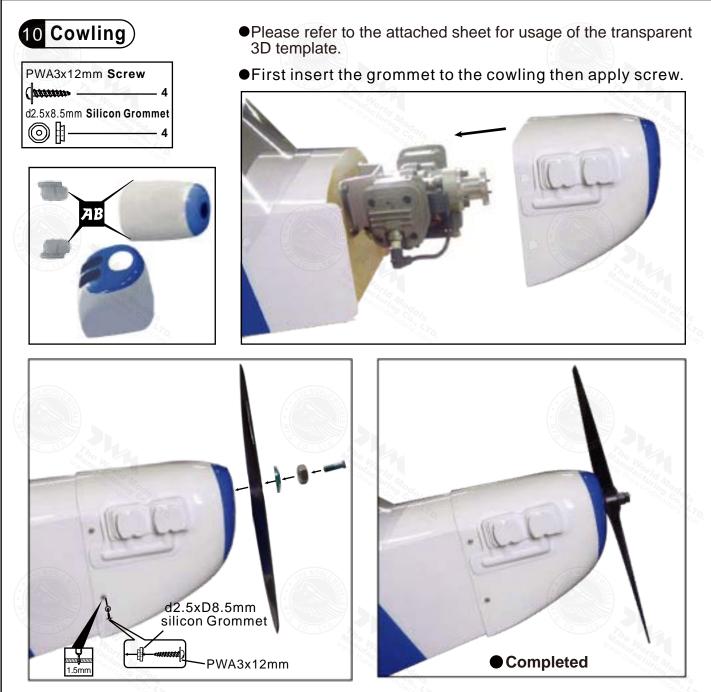


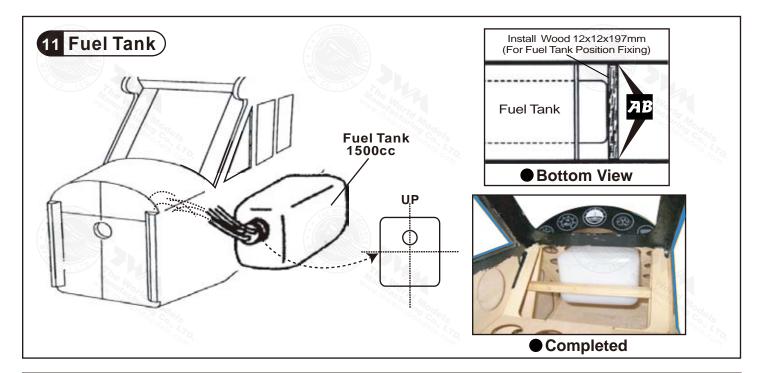


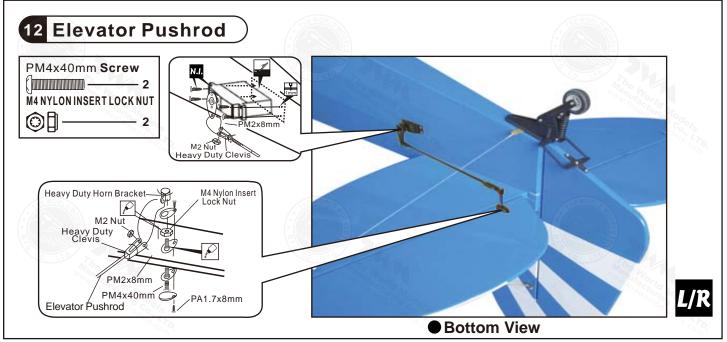


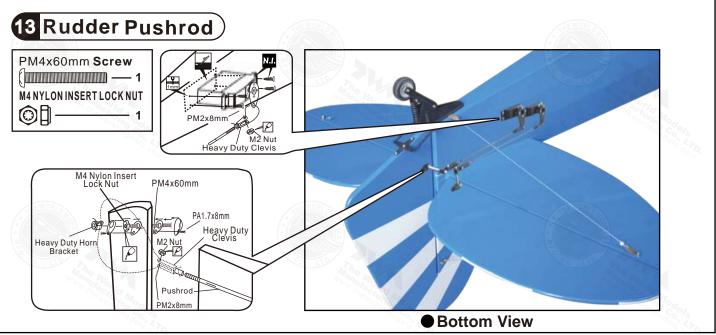


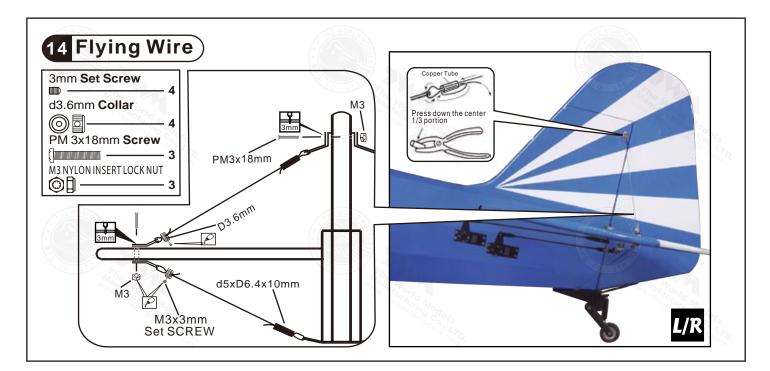


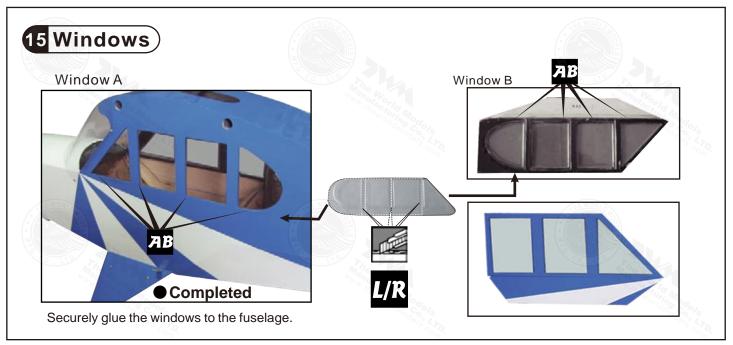


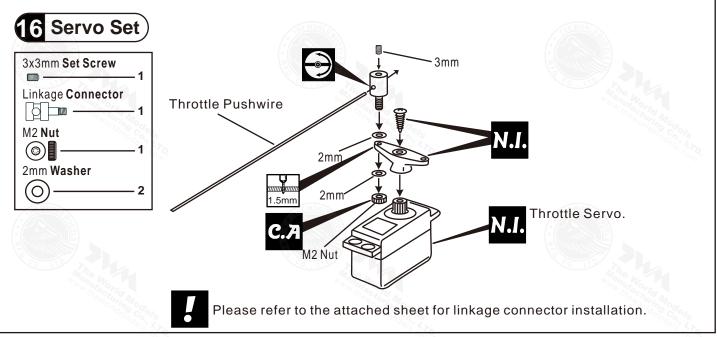


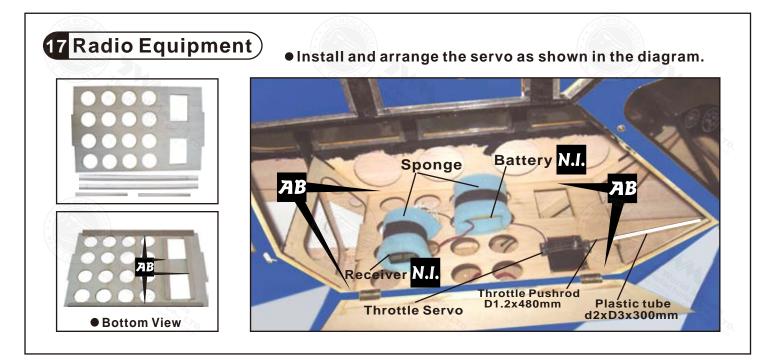


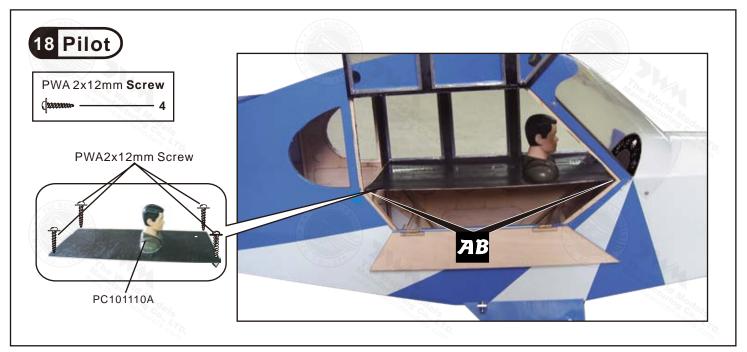




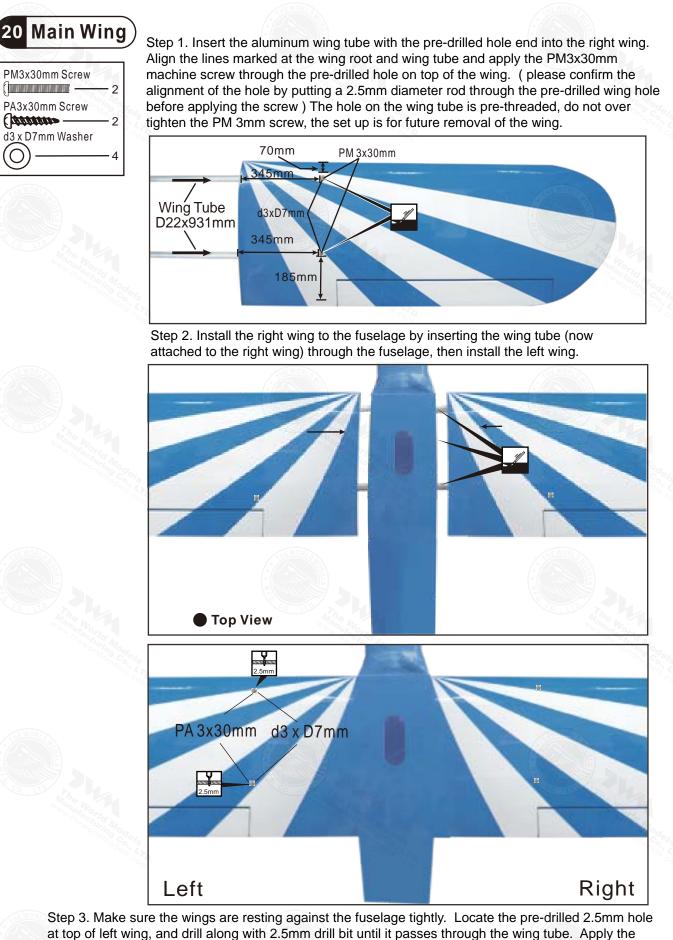








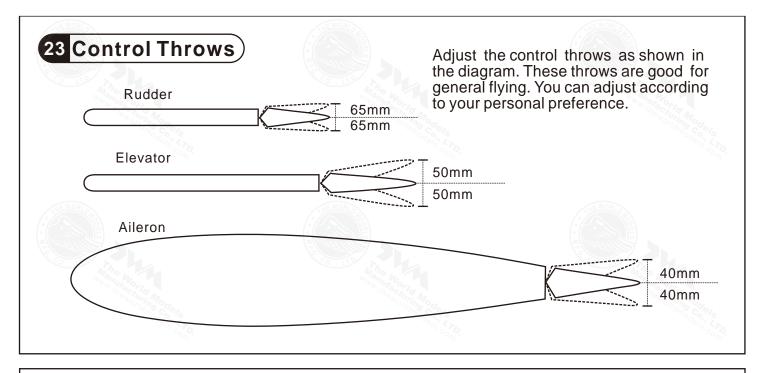




PA3x30mm self-tapping screw.

Note : It is recommended that the wing tube stays with the left wing. Removal of the wings could be acheived by removing the right wing machine screw, the right wing then the left wing with wing tube. If removal of wing tube from left wing is also required, it is recommended that instead of applying self-tapping screw in step 3, you pre-tap with M3 thread cutter and apply M3 machine screw.







Warning!

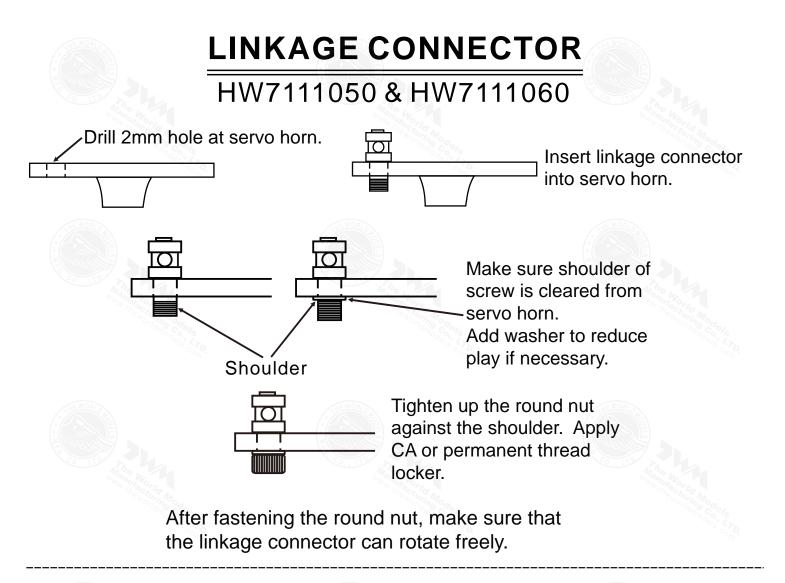
Important Safety Precautions

- # 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.

<u>1/3 CLIPPED WING CUB</u> is specially designed to be powered by 80c.c.gasoline 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 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 necessary.



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 AirBorne Models, 4749-K, Bennett Drive, Livermore, CA 94551 USA.

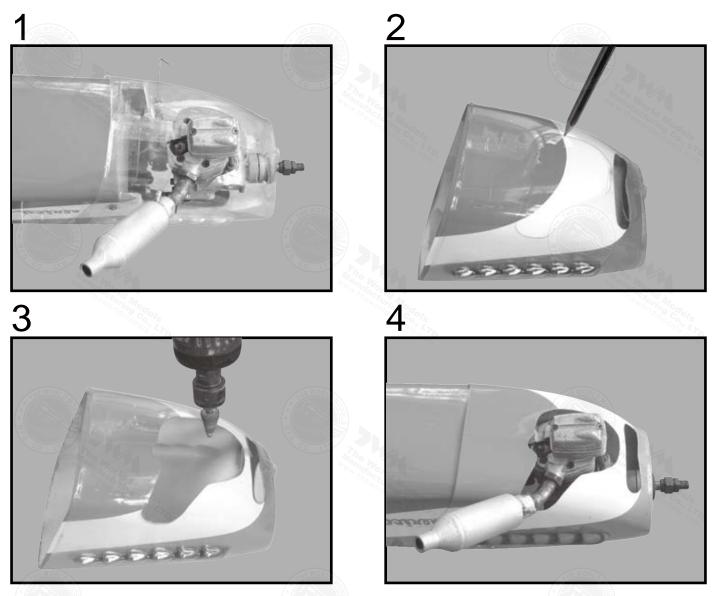
1. Name:	~~~`	
2. Address:		
3. Phone #:	E-mail:	
4. Model:		
Wing QC# F (QC numbers are stampe	uselage QC# ed on wing and fuselage)	
5. Date of Purchase:		
6. Store Name:		

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

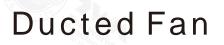
Usage of the transparent 3D template



This transparent 3D template is used for position guidance of the actual cutting of the pre-painted cowling.



Simply cut the transparent 3D template to fit your engine and exhaust pipe, then slide onto the actual cowling and use as template to mark the openings required for final cutting.



Warbirds

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Scale

Sports

Glider

Trainer

Boat

Accessories

Covering (Lightex / Toughlon)



Pattern

Funfly

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Electric