# 1/4 SUPER CUB (A036)



Requires: 2-stroke 0.91 or 4-stroke 1.20-1.60 engine, 5-channel radio w/ 6 standard servos

### **Specifications**

Wing Span 10
Wing Area 15
Flying Weight 14
Fuselage Length 68

104in / 2640mm 1586sq in / 102.3sq dm

14 lbs / 6300g 68 in / 1725mm

\* 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

# 1/4 SUPER CUB

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### **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 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 : -
  - AB Apply epoxy glue.
    - Apply thread locker
  - L/R Assemble left and right sides the same way.
  - Peel off shaded portion covering film.
    - Drill holes with the specified diameter (here: 3mm).
    - Pay close attention here!

C.A

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

N.I.

Must be purchased separately!



Ensure smooth non-binding movement while assembling.



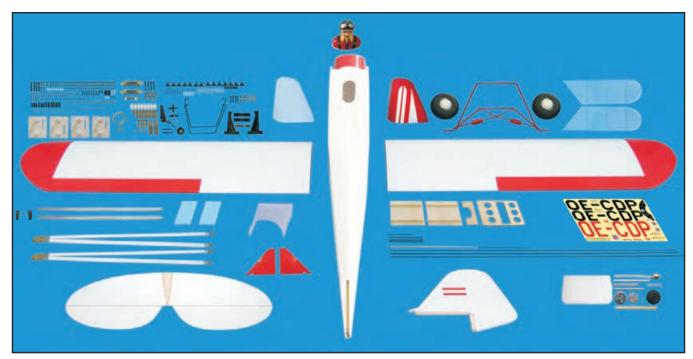
Cut off shaded portion.



Pierce the shaded portion covering film.



Do not overlook this symbol!

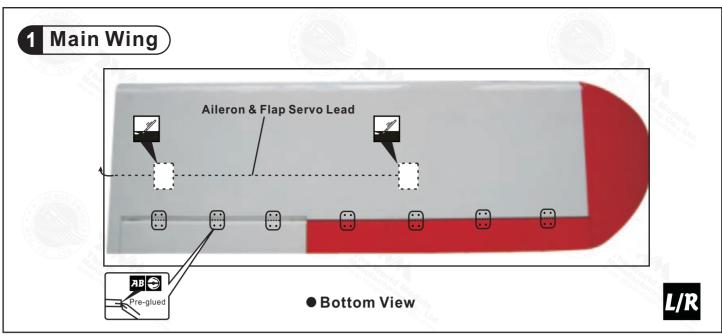


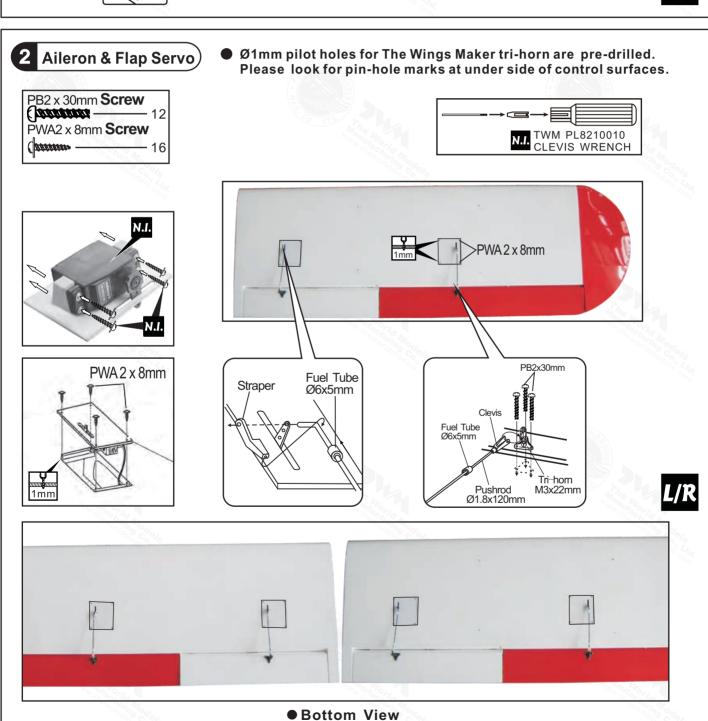
### **Parts List**

- 1.MAINWING -- 1 pair
- 2.PUSHROD Ø1.8x120mm
  w/ Threads(For Aileron & Flap Servo)--4 pcs
  FUELTUBE Ø6x5mm--8 pcs
  STRAPER PL4112102--4 pcs
  SCREW PB 2x30mm--12 pcs
  SCREW PWA2x8mm--16 pcs
  SERVO MOUNTING PANEL--4 pcs
  CLEVIS PL4112103--4 pcs
  TRI-HORN M3x22mm(L) PL4111251--4 sets
- 3.SCREWPM3x15mm--12pcs WASHERd3xD7mm--16pcs M3NUT--4pcs MAINWINGSTRUTS--1set WINGSTRUTWIREØ3x143x208mm--2pcs PLASTICWIREBRACKETPL5330030 --8pcs
- 4.FUSELAGE -- 1 pc. STABILZER & ELEVATOR -- 1 set
- 5.VERTICALFIN & RUDDER -- 1 set
- 6.TAIL GEAR ASSEMBLY 11-22LBS PL3410021--1 set PLATE(For Staying on Tail Fuselage Bottom) 1x10x40mm--1 pc
- 7.SCREW PM3x13mm--2 pcs ALUMINUM PLATE 2mm--2 pcs MAIN LANDING GEAR --1 set SCREW PA3x12mm--14 pcs WASHER d3xD7mm--2 pcs MOUNTING PLATE 12x20mm--6 pcs
- 8.SCREWPA1.7x8mm--6pcs SCREWPM3x13mm--8pcs WASHERd3xD7mm--16pcs M3.NUT--8pcs COLLARØ4.6mmw/setscrew--4sets MAINWHEEL(CUB)Ø107mm--2sets PLYWOOD3x145x171mm(MainLanding Gear Cover)--2pcs PLASTIC WIREBRACKETPL5330050 --8pcs
- 9.ENGINEMOUNTPL5111080--1set SOCKET HEAD SCREW M4x30mm--4pcs WASHERd4.2xD14.5mm--4pcs M4BLINDNUT--4pcs
- 10.ALUMINUM PLATE(For Engine Mount)--1 pc.
  ANTI-VIBRATION MOUNT PL5214094--1 set
  INCLUDE: SOCKET HEAD SCREW M4x35mm--4 pcs
  SCERW KM3x20mm--8 pcs
  WASHER d4xD12mm--8 pcs
  NYLON INSERT LOCK NUT M3--8 pcs
  NYLON INSERT LOCK NUT M4-4 pcs
  THROTTLE PUSHWIRE Ø1.2x480mm--1 pc.
  PLASTICTUBE d2xD3x300mm--1 pc.
- 11.SCREWPWA2.6x12mm--4pcs SILICONGROMMETd1.5xD6.5mm(ForCowling)--4pcs COWLING--1pc.

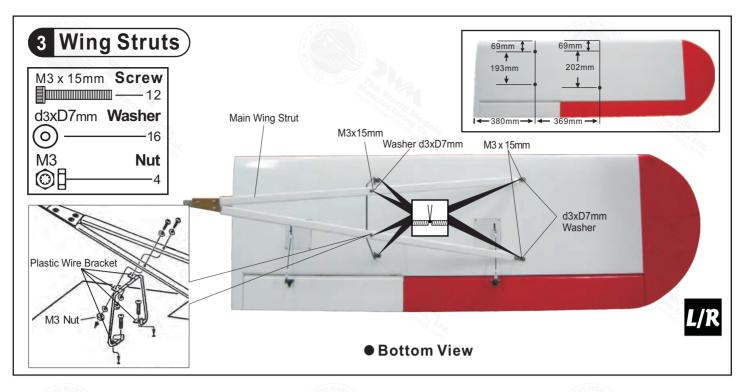
- 12.FUELTANK 450cc -- 1 set CABLETIE 1.5x5x400mm -- 1 pc. DOUBLE-SIDED TAPE 40x100mm -- 1 pc.
- 13. SCREW PB2x16mm-- 6 pcs FUEL TUBE Ø6x5mm-- 2 pcs CLEVIS PL4112103-- 2 pcs TRI-HORN M3x22mm(L) PL4111251 -- 2 sets PUSHROD Ø1.8x1000mm w/ Threads(For Elevator Servo)-- 2 pcs
- 14. SCREW PB2x16mm--3 pcs FUEL TUBE Ø6x5mm--1 pc. CLEVIS PL4112103--1 pc. TRI-HORN M3x22mm(L) PL4111251--1 set PUSHROD Ø1.8x1065mm w/ Threads(For Rudder Servo)--1 pc.
- 15. FLYING WIRE Ø1x1300mm--1pc.
  FLYING WIRE BRACKETPL4112600--6pcs
  FLYING WIRE BRACKET CLEVIS--4pcs
  EYE SCREWM1.8x6x12mm--4pcs
  SCREWPM2x16mm--6pcs
  SCREWPM2x8mm--4pcs
  M2NUT--6pcs
  WASHERd2xD5mm--6pcs
  COPPER TUBEd2.5xD3.2x8mm(ForRudder)--8pcs
- 16. SIDE WINDOWS -- 1 pair
- 17. LINKAGE CONNECTOR Ø2. 1mm -- 1 set
- 18. PLYWOOD 3x153x210mm (For Fuselage Servos) -- 1 pc. FUEL TUBE Ø6x5mm--2 pcs STRAPER PL4112102 -- 2 pcs PUSHROD Ø1.8x85mm(For Elevator) -- 1 pc. PUSHROD CONNECTOR 4x9x20mm PL4410010 -- 1 set SPONGE 10x80x200mm--2 pcs
- 19. SCREW PWA2x12mm--4 pcs PILOT PC001102A--1 set COCKPIT BASE PANEL 3x145x165mm--2 pcs
- 20. SCREW PWA2.3x12mm--4 pcs SCREW PM2x14mm--2 pcs WASHER d2xD5mm--4 pcs SILICON GROMMET d1.5xD6.5mm(For Wind Shield)--4 pcs M2 NYLON INSERTLOCK NUT--2 pcs WIND SHIELD--1 pc. MOUNTING PLATE 5x15mm--2 pcs
- 21. WING TUBE Ø16x661mm--2 pcs SELF-TIGHTENING LATCHING PIN PL9120010--4 pcs WIRE Ø0.8mm--2 pair M3x8mm SET SCREW--4 pcs
- 22. SOCKET HEAD SCREW M3x8mm--2 pcs WASHER d3xD7mm--4 pcs M3 NYLON INSERT LOCK NUT--2 pcs
- 23. DECALS: A036DEC -- 1 set
- COVERING:--

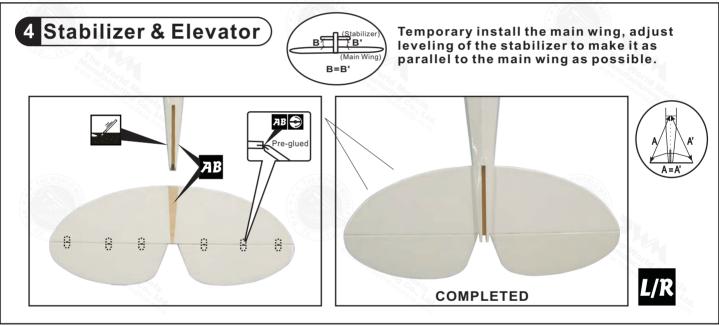
TOUGHLON STL 100 WHITE TOUGHLON STL 312 BRIGHT RED

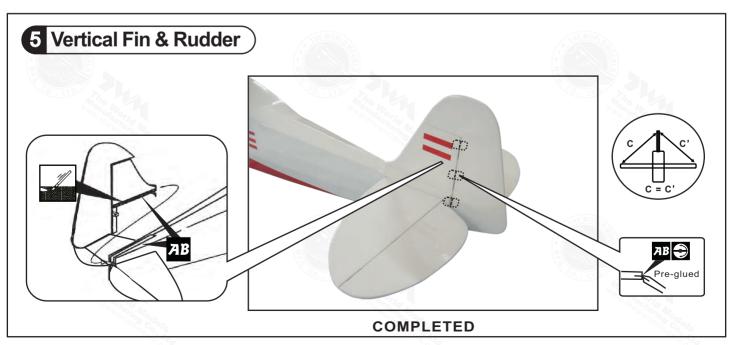


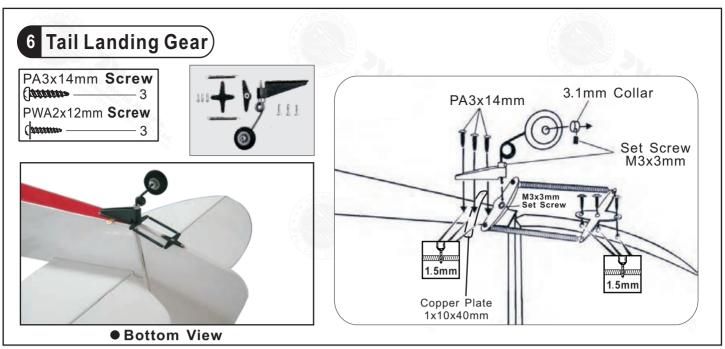


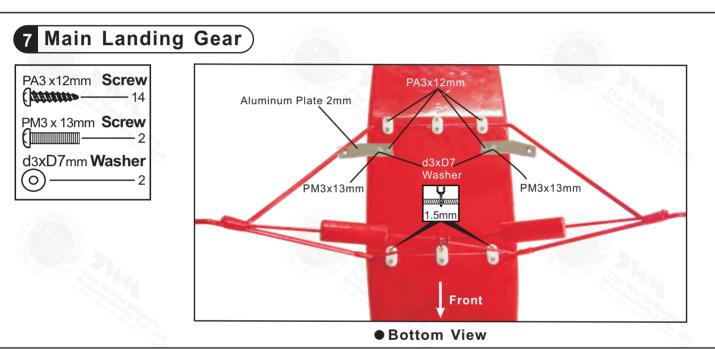
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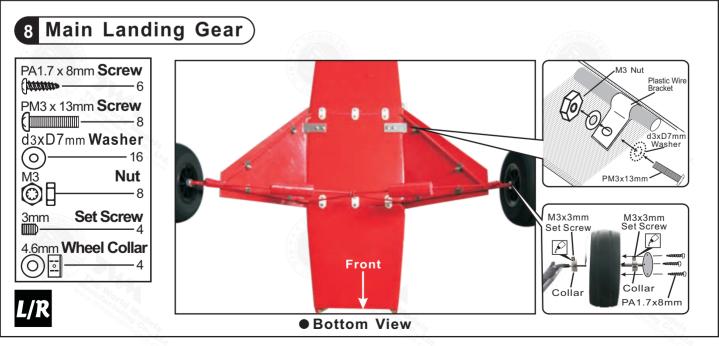


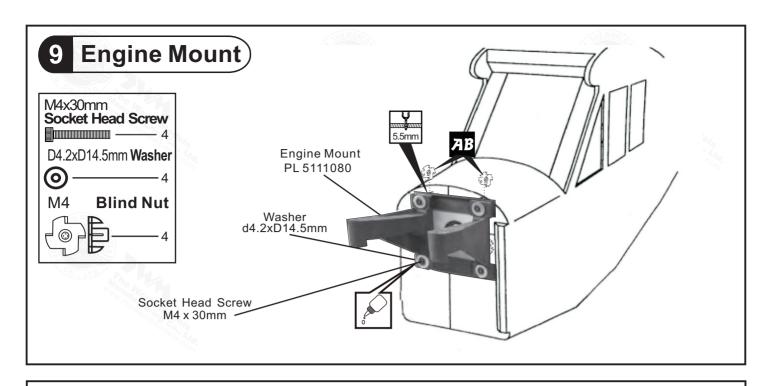






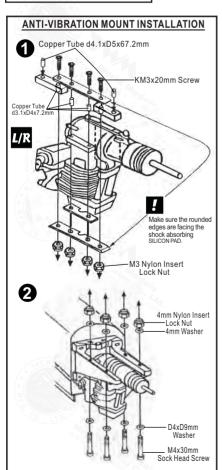




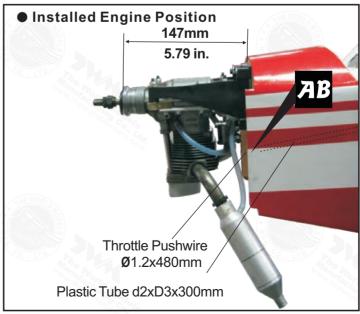


### 10 Engine





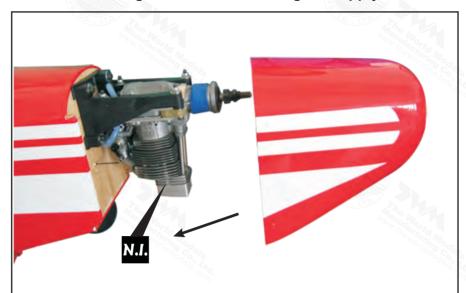


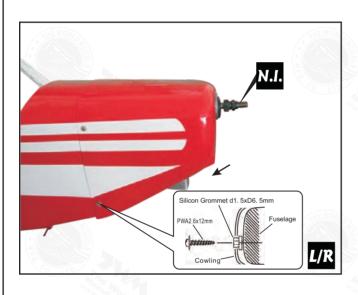


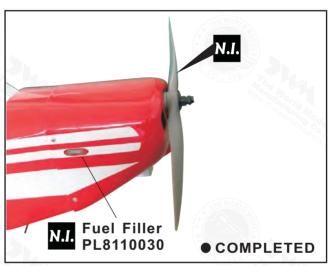
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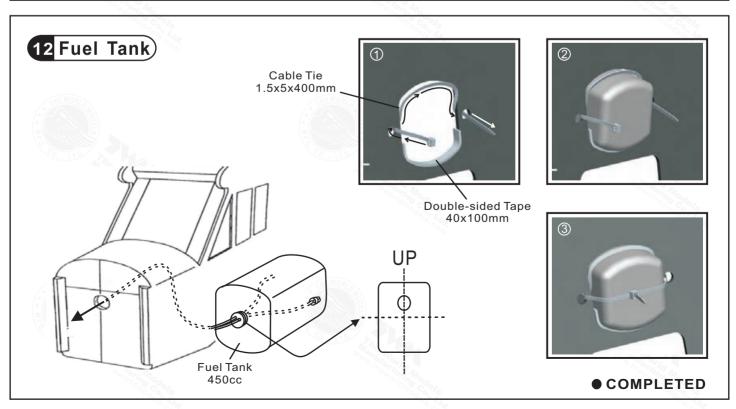


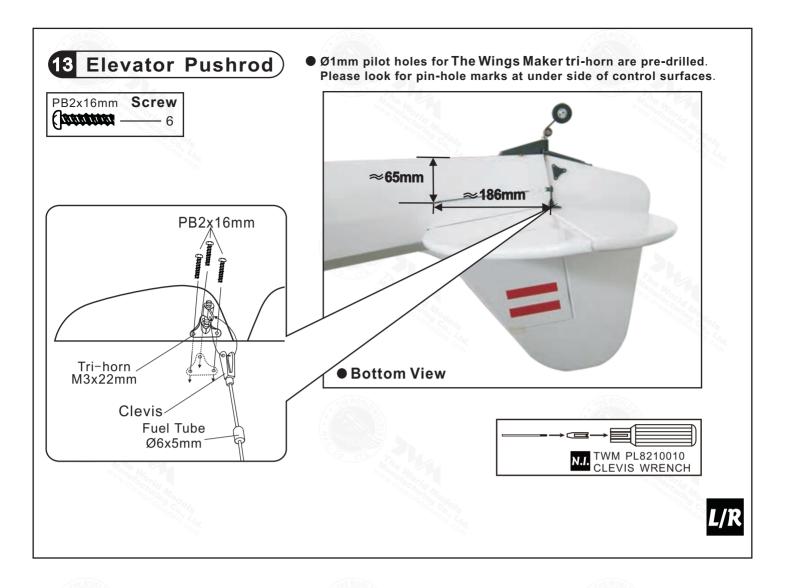
 Please refer to the attached sheet for usage of the transparent 3D template. • First insert the grommet to the cowling then apply screw.

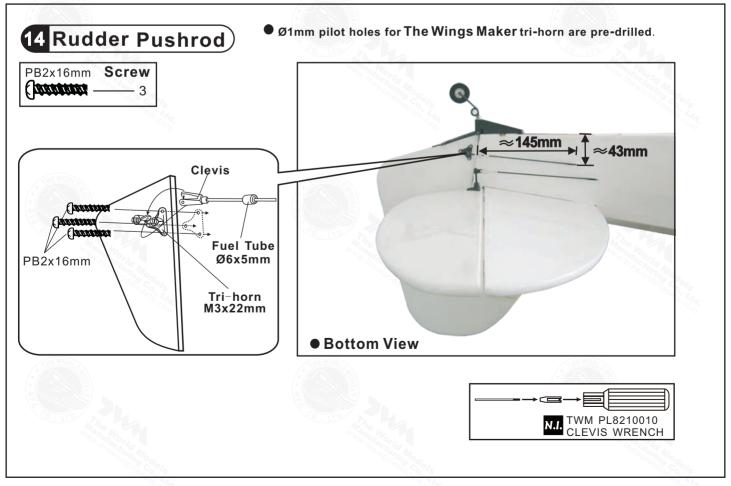




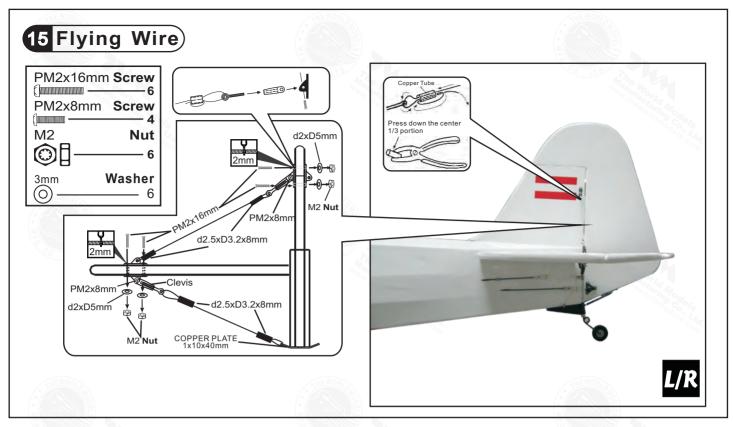


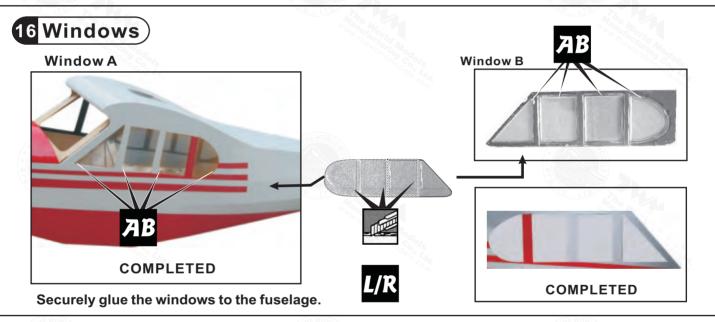


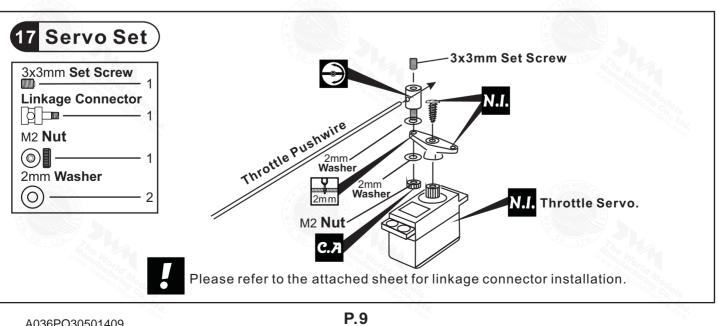




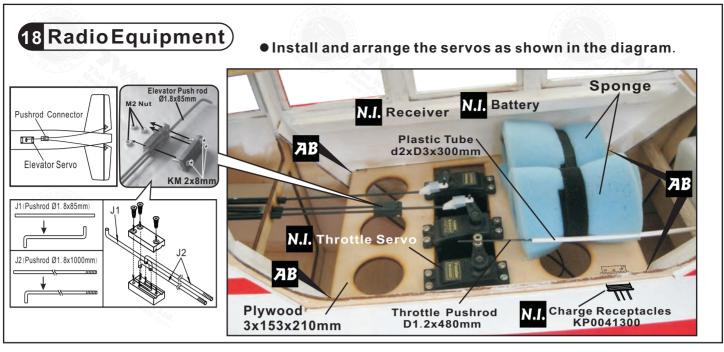
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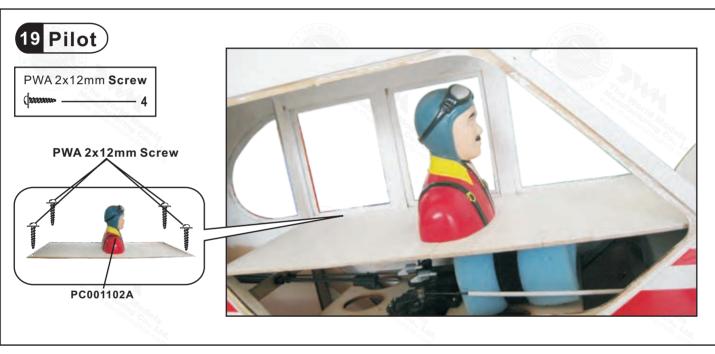






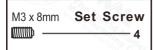
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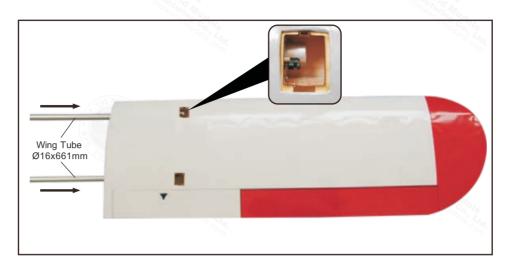




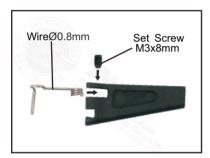




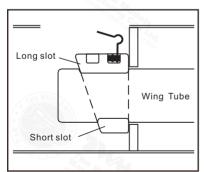


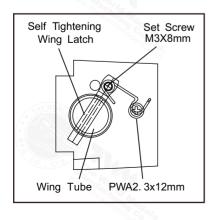




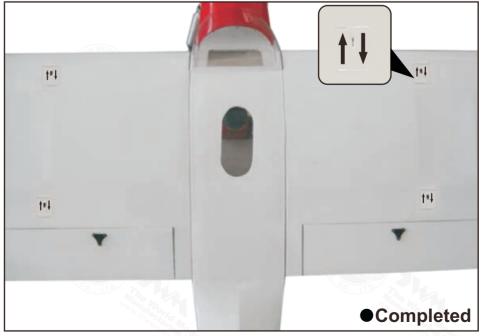


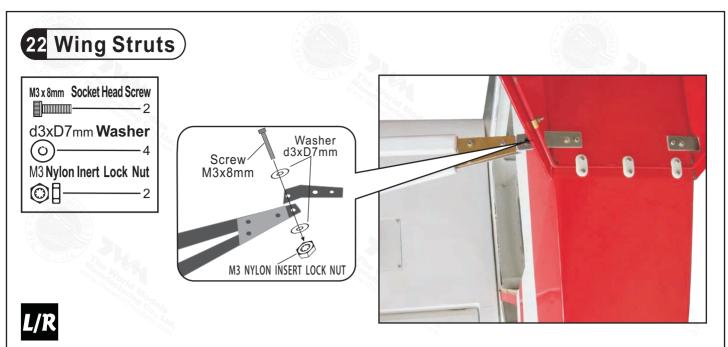






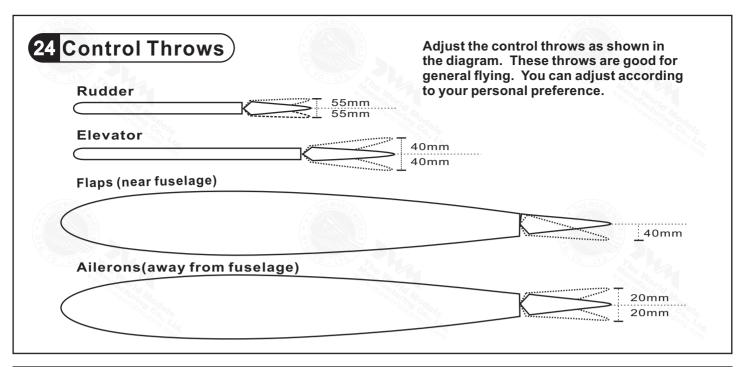


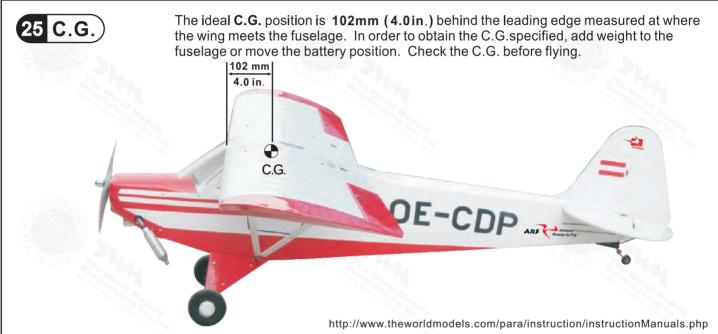






C = C'





## Warning!

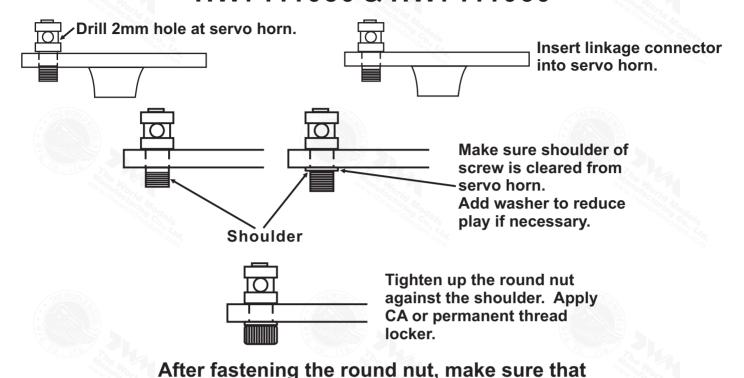
### **Important Safety Precautions**

- # 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.
- # 1/4 SUPER CUB is specially designed to be powered by 2C 0.91 or 4C 1.20-1.60, 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. Don't use hot iron near the seams or edges, hot iron will melt the glue and shrink the covering at the same time, causing the seams to pull away.
- # Check and re-tighten up all factory assembled screws, use thread locker if necessary.

A036PO30501409 P.13

### LINKAGE CONNECTOR

### HW7111050 & HW7111060



### **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.

the linkage connector can rotate freely.

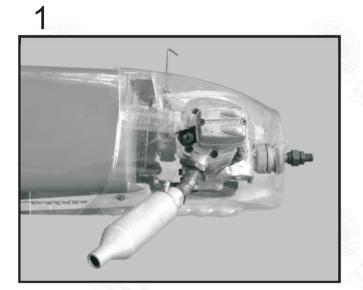
1. Name:	
2. Address:	
3. Phone #:	E-mail:
4. Model:	
Wing QC# Fus (QC numbers are stamped of	elage QC# on wing and fuselage)
5. Date of Purchase:	
6. Store Name:	

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

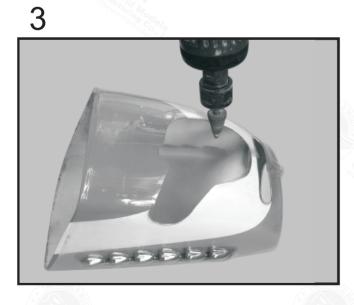
### Usage of the transparent 3D template

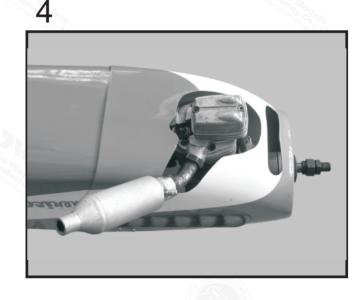


This transparent 3D template is used for position guidance of the actual cutting of the pre-painted cowling.









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.

### **Optional Parts**

## ( ACCESSORIES)

### 180mm Extension



### 180mm Y-Cord

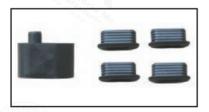


For park flyers of small electric models

### Charge Receptacles



### KP0041300



Field Stand

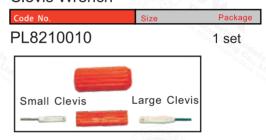




#### **Fuel Filler**



#### Clevis Wrench



Special tool for clevis installation. Suitable for standard and small (EP) clevis.

### Standard Servo

#### Code No SV4031



Speed: 0.17 sec / 60° @4.8V

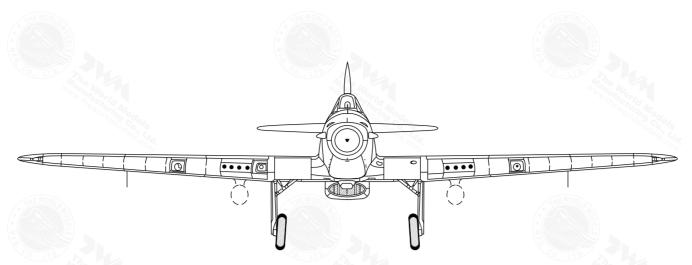
0.14 sec / 60° @6.0V

Torque: 3.2kg.cm / 44.8 oz - in @4.8V 4.1kg.cm / 57.4 oz - in @6.0V

Size : 40.6 x 20 x 37mm /

1.60 x 0.79 x 1.46 in

Weight: 39.4 g / 1.39 oz



**Ducted Fan** 

**Pattern** 

Warbirds

**Funfly** 

Scale

**Electric** 

**Sports** 

Glider

Trainer Boat

Accessories

Covering

(Lightex / Toughlon)

