

# REV II-60



0.60-0.75 cubic inch displacement 2-stroke 0.70-0.91 cubic inch displacement 4-stroke Radio requires: 4-channel radio w/5 standard servos

# ■ Specifications

Wing Span Wing Area

Flying Weight

Fuselage Length

65 in / 1650 mm

769 sq in / 49.6 sq dm

8 lb / 3650 g

57 in / 1450 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

# VELOX REV II-60

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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: -
  - AВ

Apply epoxy glue.



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



Apply thread locker



Must be purchased separately!



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).



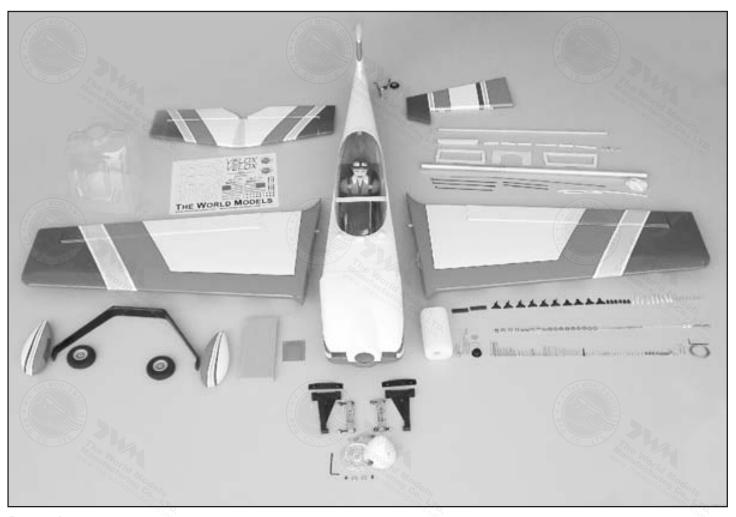
Pierce the shaded portion covering film.



Pay close attention here!



Do not overlook this symbol!



#### Parts List

- 1. MAIN WING--1 pair
- 2. SCREW PB2x30mm--6 pcs FUEL TUBE Ø6x5mm--4 pcs STRAPER--2 pcs CLEVIS--2 pcs TRI-HORN M3x14mm(L)--2 sets PUSHROD Ø1. 8x125mm w/Threads(For Aileron)--2 pcs
- PUSHROD Ø1. 8x125mm w/ Inreads (For Alleron 3. FUSELAGE--1 pc. CARBON FIBER MAIN LANDING GEAR--1 pair WHEEL PANTS--1 pair SOCKET HEAD SCREW M5x43mm--2 pcs M5 NUT--2 pcs M3 NUT--2 pcs M3 NUT--2 pcs NYLON BOLT M3x18mm--2 pcs PLASTIC COLLAR Ø5. 1mm--2 pcs SCREW HM4x16mm--4 pcs WASHER d4xD9mm--4 pcs WASHER d5xD12mm--2 pcs WHEEL Ø70mm--2 pcs COLLAR Ø5. 1mm w/set screw--4 sets 4. FNGINE MOLINT PL5111080
- 4. ENGINE MOUNT PL5111080
  SOCKET HEAD SCREW M4x25mm--4 pcs
  WASHER d4xD12mm--4 pcs
  BLIND NUT M4xD12mm--4 pcs
  WOODEN DOWEL Ø5. 5x8mm (For Firewall) --4 pcs
- FUEL TANK 380cc--1 set BALSA 10x10x120mm (For Fixing Fuel Tank) --1 pc. PLYWOOD 2x60x112mm (Fuel Tank Holder) --1 pc. BALSA 4x4x60mm (For Fuel Tank Holder) --2 pcs
- 6. STABILIZER & ELEVATOR--1 set
- 7. SCREW PB2x20mm--6 pcs
  TRI-HORN M3x14mm(L) --2 sets
  CLEVIS--2 pcs
  FUEL TUBE Ø6x5mm--2 pcs
  PUSHROD Ø1.8x685mm w/ Threads (For Elevator)--2 pcs
- 8. VERTICAL FIN & RUDDER--1 set
- 9. TAIL LANDING GEAR--1 set SCREW PA3x12mm--2 pcs COLLAR Ø2. 1mm w/set screw--1 set WHEEL Ø30mm--1 pc.
- WHEEL Ø30IIIII-1 pc.

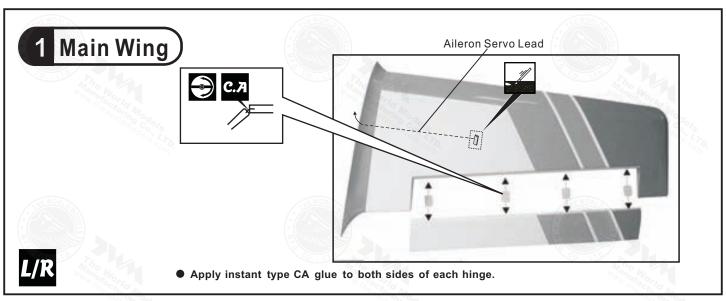
  10. SCREW PM2x25mm--3 pcs
  M2 NUT--3 pcs
  CLEVIS--2 pcs
  FUEL TUBE Ø6x5mm--2 pcs
  TRI-HORN M3x14(L) (w/o-Base For Rudder)--2 sets
  RIGGING COUPLER Ø1. 8x27mm w/Threads (For Rudder) --2 pcs
  COPPER TUBE d2. 5xD3. 2x8mm (For Rudder) --2 pcs
  WIRE Ø1x840mm (For Rudder) --2 pcs
- 11. LINKAGE CONNECTOR Ø2. 1mm--1 set
- 12. BALSA 6x6x41mm(For Throttle Elevator&Rudder Servo Stand) --4 pcs PLYWOOD 5x60x155. 8mm(For Elevator Servo) --1 pc. PLYWOOD 5x60x147. 3mm(For Rudder Servo) --1 pc.

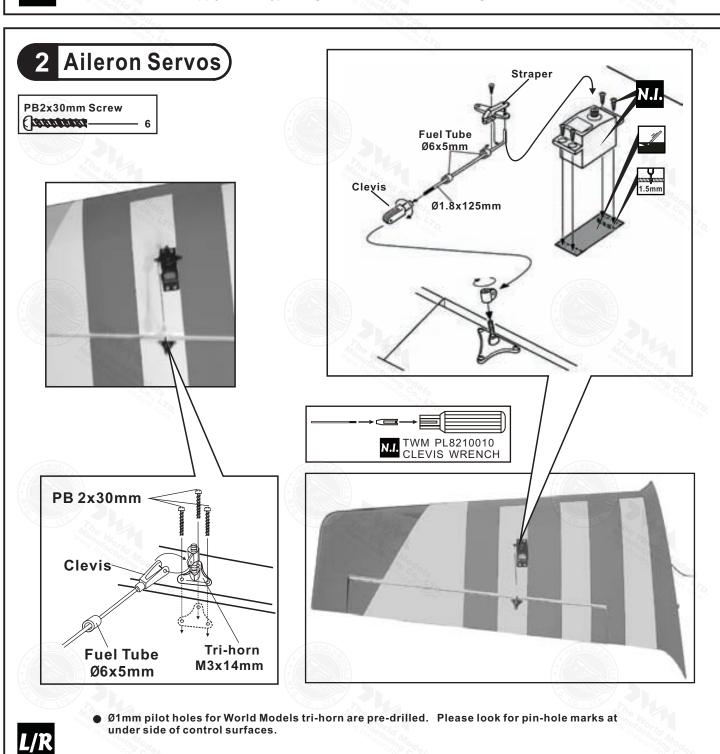
RIGGING Z BEND Ø1. 8x27mm(For Rudder) --2 pcs COPPER TUBE d2. 5xD3. 2x8mm(For Rudder) --2 pcs SPONGE 60x70x165mm(For Radio Equipment) --1 pc. STRAPER--1 pc. FUEL TUBE Ø6x5mm--1 pc. PUSHROD Ø1.8x85mm(For Elevator)--1 pc. PUSHROD CONNECTOR PL4410010--1 set

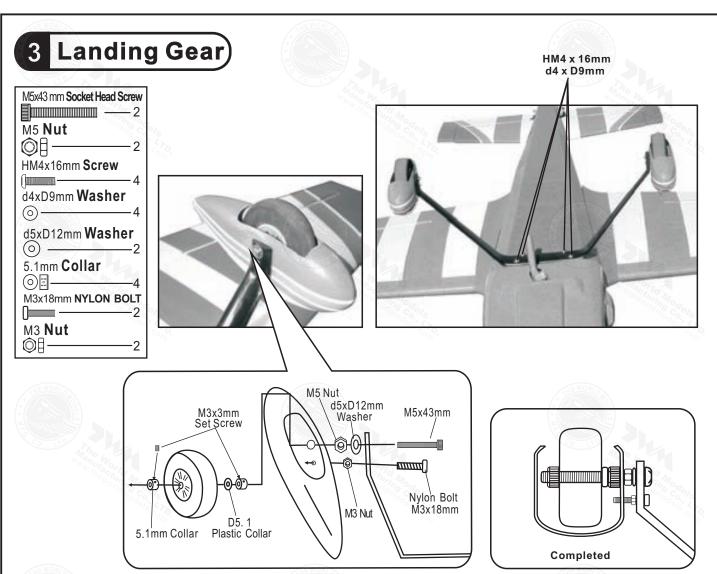
- 13. THROTTLE PUSHWIRE1. 2x450mm--1 set
  PLASTIC TUBE d2xD3x250mm--1 pc.
  ALUMINUM PLATE (For Engine Mount) --1 pc.
  ANTI-VIBRATION MOUNT PL5111080--1 set
  INCLUDE:SOCKET HEAD SCREW M4x35mm--4 pcs
  SCREW KM3x20mm--8 pcs
  WASHER d4xD12mm--8 pcs
  M3 NYLON INSERT LOCK NUT--8 pcs
  M4 NYLON INSERT LOCK NUT--4 pcs
- 14. SCREW HM3x22mm--1 pc.
  WASHER d3xD7mm--2 pcs
  SCREW PA3x22mm--1 pc.
  WING TUBE Ø18x638mm--1 pc.
  WING LOCK PIN Ø1. 2x20mm--2 pcs
- 15. COWLING--1 set
  TRANSPARENT 3D TEMPLATE--1 pc.
  PLASTIC SPINNER (w/alu. back plate) Ø76mm--1 set
  SCREW PWA2. 6x12mm--4 pcs
  SCREW PWA2. 3x8mm--4 pcs
  SILICON GROMMET d1. 5xD6. 5mm--4 pcs
  DUMMY ENGINE COVER--1 pc.
- 16. CANOPY--1 pc.
  SCREW PWA2. 3x8mm--6 pcs
  SILICON GROMMET d1. 5xD6. 5mm--6 pcs
  SCREW HM3x16mm--2 pcs
  WASHER d3xD7mm--2 pcs
  DOUBLE-SIDED TAPE--1 pc.
  PILOT PC001102A--1 pc.
- 17. DECALS: A143DEC--1 set

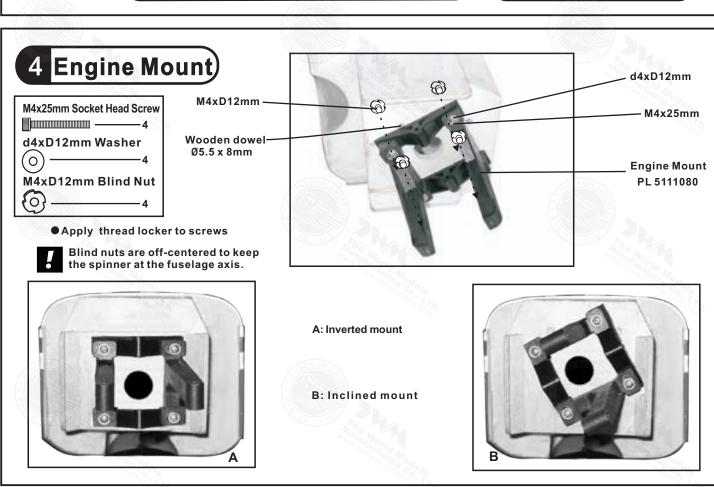
#### • COVERING:--

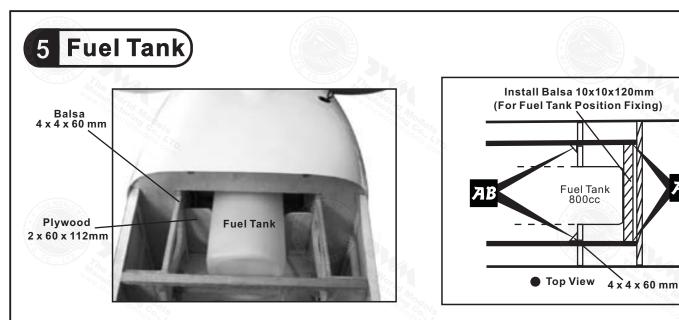
TOUGHLON STL 100 WHITE TOUGHLON STL 312 BRIGHT RED TOUGHLON STL 331 CUB YELLOW TOUGHLON STL 250 BLUE

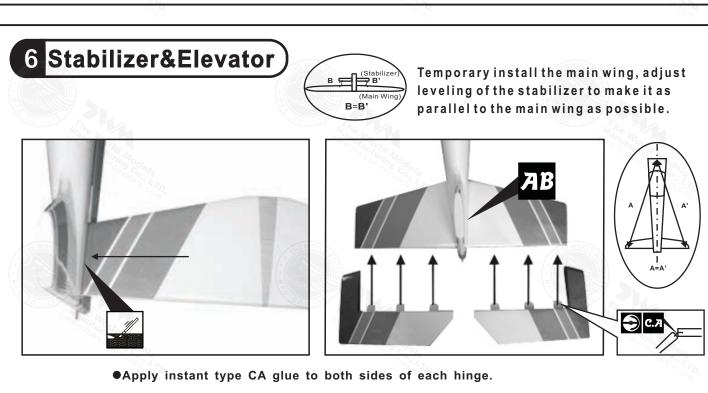


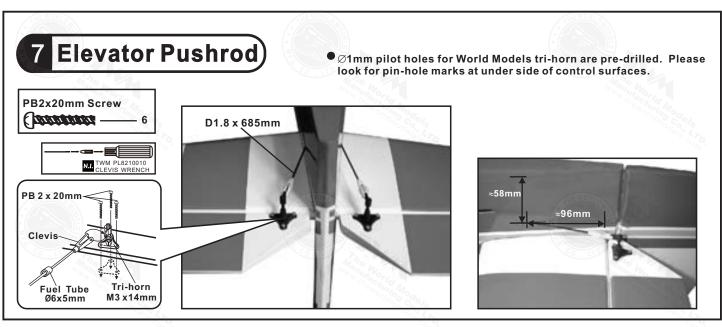


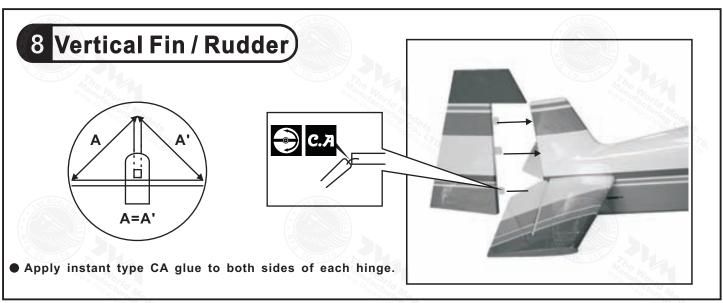


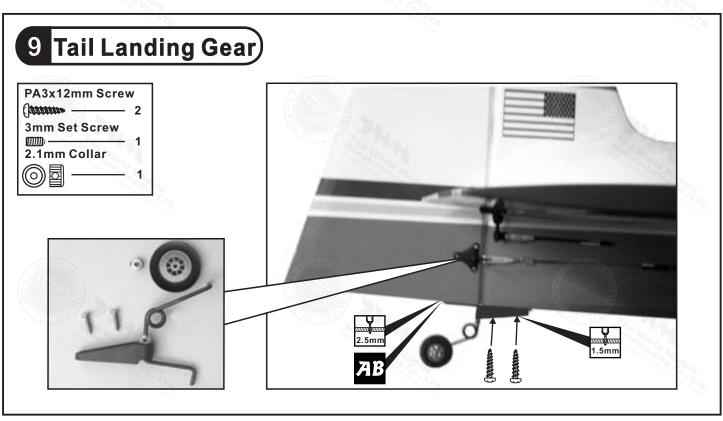


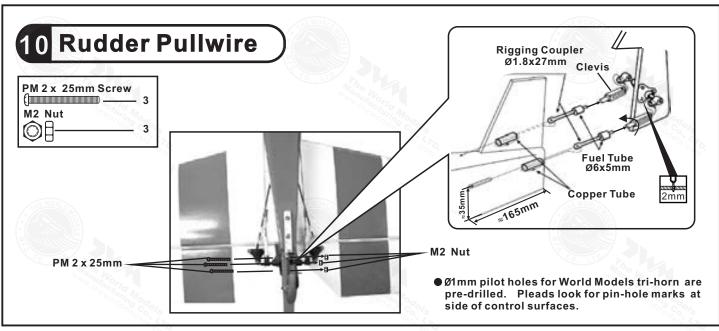


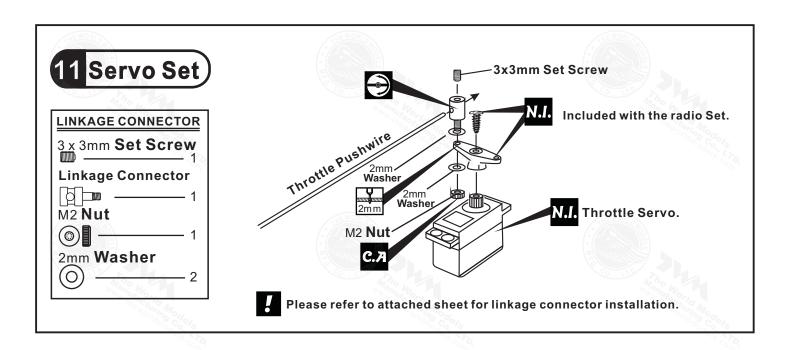


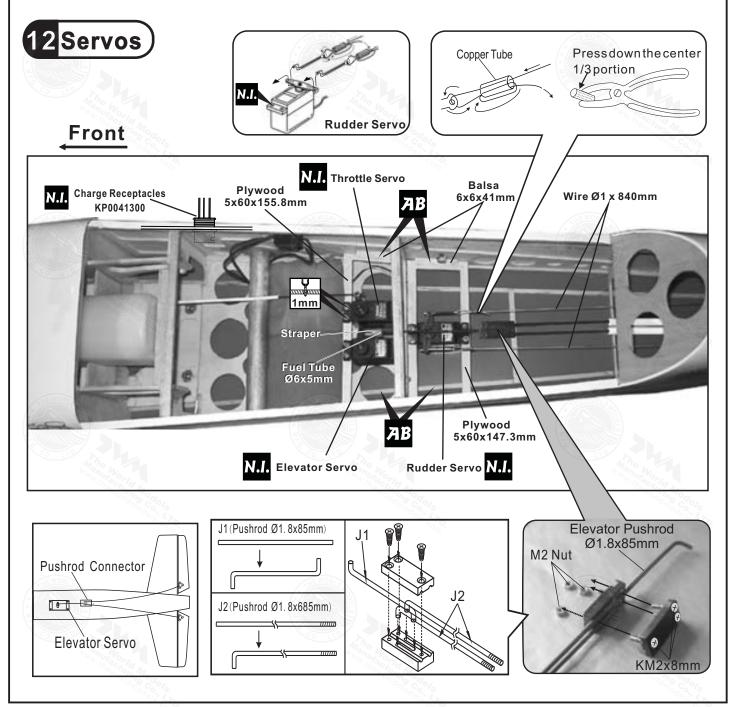




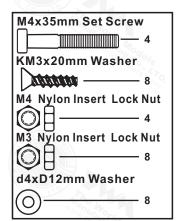


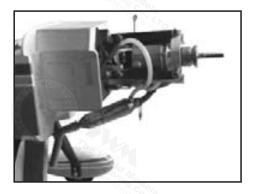


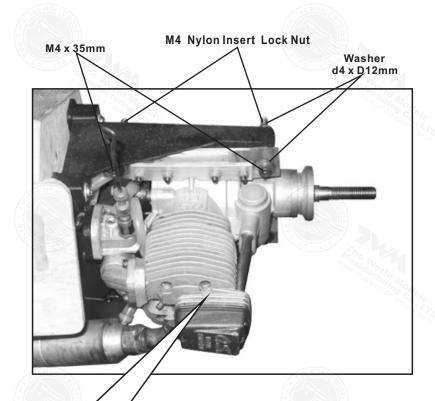




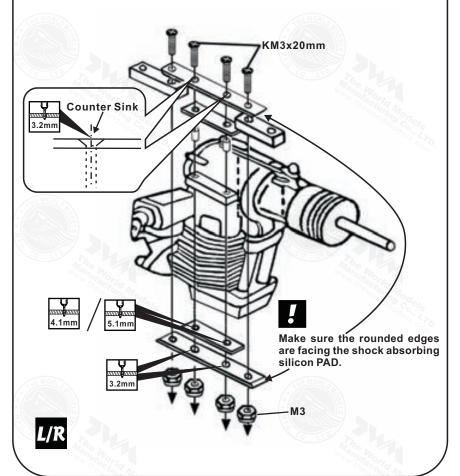
# 13 Engine







## **ANTI-VIBRATION MOUNT INSTALLATION**



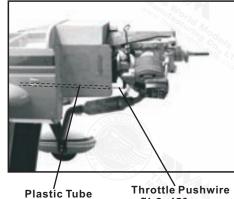
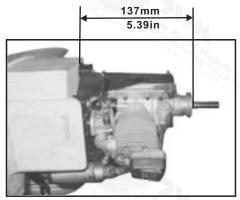


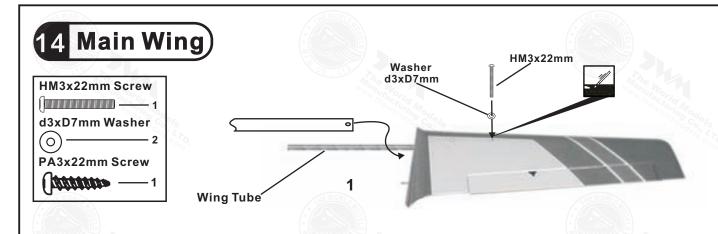
Illustration is for inclined mounting. You can mount the engine upright or sideways simply by rotation the engine mount. Thrust angles will not be affected.

d2xD3x250mm

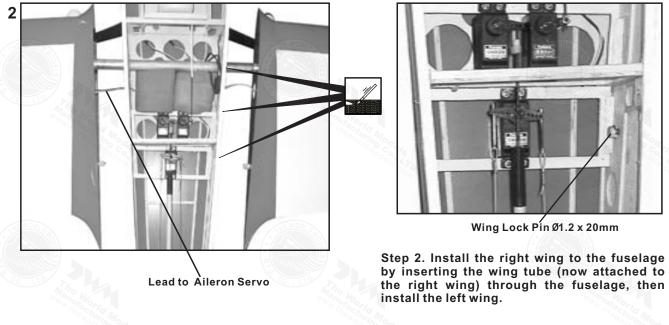
Ø1.2x450mm

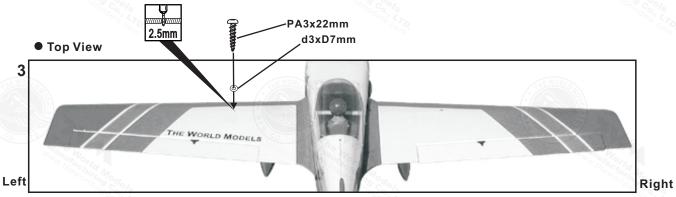


Install Engine position



Step 1. Insert the aluminum wing tube with the pre-drilled hole end into the right wing. Align the lines marked at the wing root and wing tube and apply the HM3  $\times$  22mm machine screw through the pre-drilled hole on top of the wing. (please confirm the alignment of the hole by putting a 2.5mm diameter rod through the pre-drilled wing hole before applying the screw.) The hole on the wing tube is pre-threaded, do not over tighten the HM3 screw, the set up is for future removal of the wing.

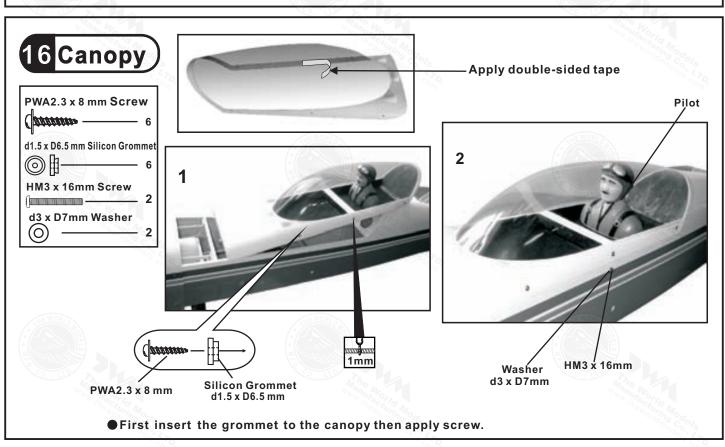




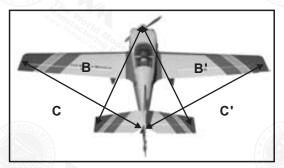
Step 3. Make sure the wings are resting against the fuselage tightly. Locate the pre-drilled 2.5mm hole at top of left wing, and drill along with 2.5mm drill bit until if passes through the wing tube. Apply the PA3 X 22mm self-tapping screw.

Note: It is recommended that the wing tube stays with the left wing. Removal of the wings could be achieved by removing the right wing machine screw, the right wing then the left 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.





# 17 Wing Setting



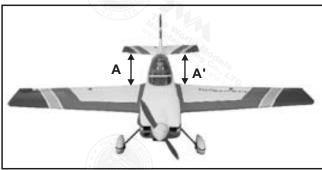
Adjust the wing and fuselage configuration as shown in the diagrams.



A = A

B = B '

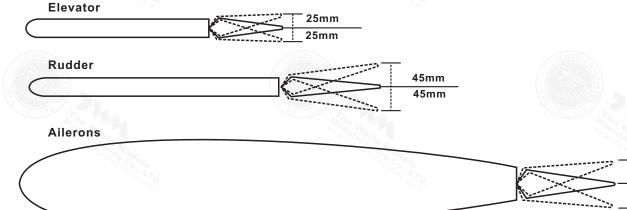
C = C'

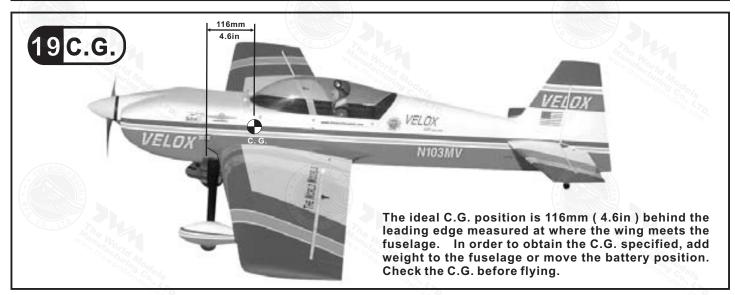


# 18 Control Throws

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

18mm 18mm







## **Important Safety Precautions**

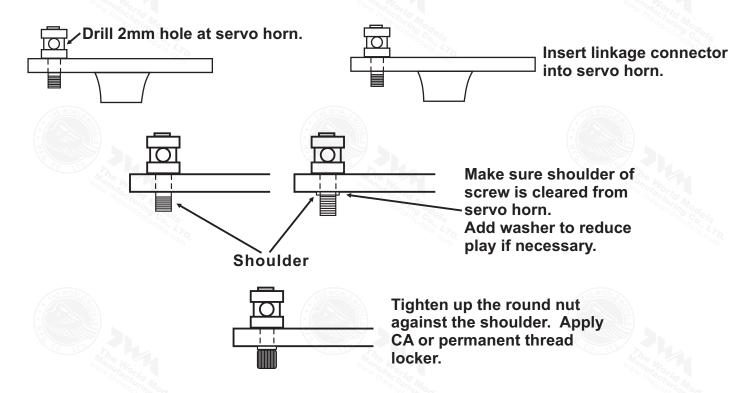
- # First time flyer should never fly by himself / herself. Assistance from experienced flyer is absolutely necessary.
- # Pre flight adjustment must be done before flying, it is very dangerous to fly a badly pre adjusted aircraft.
- # VELOX REV II 60 is specially designed to be powered by 0.60-0.75 2 stroke or 0.70-0.91 4 stroke glow 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. 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.

• Specifications are subject to change without notice.



# LINKAGE CONNECTOR

# HW7111050 & HW7111060



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

# **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:	WORLS NO TO SEE THE WORLS	
3. Phone #:	E-mail:	
4. Model:	Mana No.	
Wing QC# Fusela (QC numbers are stamped on	age QC# 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.

A143P022951003

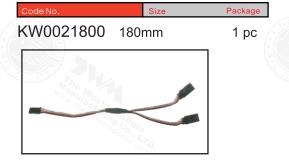
# **Optional Parts**

# ( TWM ACCESSORIES)

## 180mm Extension



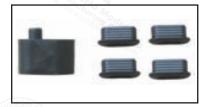
## 180mm Y-Cord



## Charge Receptacles



## KP0041300



## Field Stand

Code No. Size Package

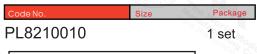
MS9111430 600 x 240 x 310mm 1 pc



#### Fuel Filler



## Clevis Wrench





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

## Standard Servo

#### Code No SV4031

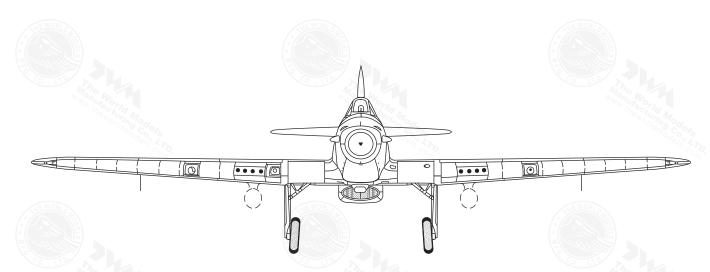


Speed: 0.17 sec / 60° @4.8V 0.14 sec / 60° @6.0V

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 /oughlon)



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