

# Super Frontier Senior



## 0.46 cu. in. displacement 2-cycle Radio required: 4 - channel radio w/ 5 standard servos

## Specifications

Wing Span Wing Area Flying Weight Fuselage Length 80.5 in / 2040mm 1232 sq in / 79.5 sq dm

7.0 lbs / 3300g

65.5 in / 1670mm

\* 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

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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).



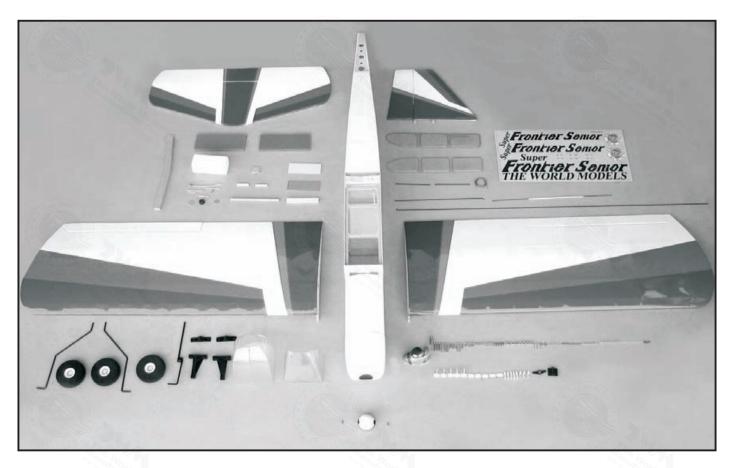
Pierce the shaded portion covering film.



Pay close attention here!



Do not overlook this symbol!



#### **Parts List**

- 1. MAIN WING 1 pair
- 2. SCREW PB2x20mm 4 pcs

FUEL TUBE Ø6x5mm - 4 pcs

CLEVIS PL4112103 - 2 pcs

STRAPER PL4112102 - 2 pcs

HORN PL4113101 - 2 pcs

PUSHROD Ø1.8x130mm w/ Threads (For Aileron Servo ) - 2 pcs

- 3. WOODEN 12x22x346mm (Wing Joiner)(A) 1 set WOODEN Ø10x180.5mm (Wing Joiner)(B) 1 set
- 4. STABILIZER & ELEVATOR -1 set FUSELAGE -1 pc.
- 5. VERTICAL FIN & RUDDER 1 set
- 6. MAIN LANDING GEAR 1 set
- MAIN WHEEL Ø95mm 2 pcs

COLLAR Ø4.1mm w/ set screw - 4 sets

MOUNTING PLATE 12x20mm - 2 pcs

SCREW PA 3x12mm - 4 pcs

 SOCKET HEAD SCREW M4x25mm – 4 pcs WASHER d4xD9mm – 4 pcs ENGINE MOUNT PL 5111050 – 1 set

8. FUEL TANK 380cc PL1111380 - 1 set

BALSA 10x15x117mm(For Fixing Fuel Tank) -1 pc.

9. SCREW PA3x14mm - 4 pcs

STEERING ARM STAND Ø4.7mm - 1 pc.

WOODEN 4x25x30mm (For Steering Arm Tank) -1 pc.

10. WIND SHIELD - 1 pc.

SCREW PWA 2.3x8mm - 5 pcs

SILICON GROMMET d1.5xD6.5mm - 5 pcs

11. FRONT LANDING GEAR - 1 set

FRONT WHEEL Ø95mm - 1 pc.

COLLAR Ø4.6mm - 3 set

STEERING ARM Ø4.6mm - 1 set

RIGHT ANGLE WHEEL SPACER PL4121040 - 1 set

12. SOCKET HEAD SCREW M3x30mm - 4 pcs

WASHER d3xD7mm - 8 pcs

M3 NUT - 8 pcs

SPINNERØ52mm - 1 set

THROTTLE PUSH WIRE Ø1.2x445mm – 1 pc.

PLASTIC TUBE d2xD3x200mm - 1 pc.

13. SCREW PWA2.6x12mm - 5 pcs

SILICON GROMMET d1.5xD6.5mm - 5 pcs

COWLING - 1 pc.

TRANSPARENT 3D TEMPLATE - 1 pc.

- 14. SIDE WINDOWS 1pair
- 15. LINKAGE CONNECTOR Ø2.1mm HW7111060 2 sets
- 16. SPONGE 60x70x122mm 1 pc.

FUEL TUBE Ø6x5mm - 1 pc.

STRAPER PL4112102 - 1 pc.

WIRE Ø1x1100mm(For Rudder) – 2 pcs

COPPER TUBE Ø2.5xD3.2x8mm –2 pcs

RIGGING Z BEND Ø1.8x27mm(For Rudder) - 2 pcs

FRONT WHEEL PUSHROD Ø1.6x320mm - 1 pc.

PUSH ROD Ø1.8x1155mm w/ Threads (For Elevator Servo) - 1 pc.

17. SCREW PB2x16mm - 2 pcs

FUEL TUBE Ø6x5mm – 1 pc.

CLEVIS PL4112103 - 1 pc.

HORN PL4113101 - 1 set

18. SCREW PM2x16mm - 2 pcs

M2 NUT - 2 pcs

FUEL TUBE Ø6x5mm - 2 pcs

COPPER TUBE Ø2.5xD3.2x8mm -2 pcs

RIGGING COUPLER Ø1.8x27mm w/ Threads (For Rudder) - 2 pcs

HORN (w/ o-Base For Rudder) PL4113101 - 2 pcs

CLEVIS PL4112103 - 2 pcs

19. PILOT PC001085B -1 set

PLYWOOD 3x45x122mm (For Pilot) – 1 pc.

BALSA 6x6x45mm (For Pilot Stand) - 2 pcs

20. SCREW PM3x30mm – 2 pcs

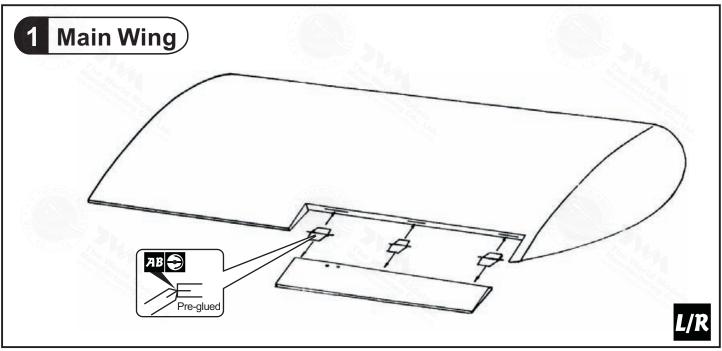
WASHER d3xD12mm – 2 pcs

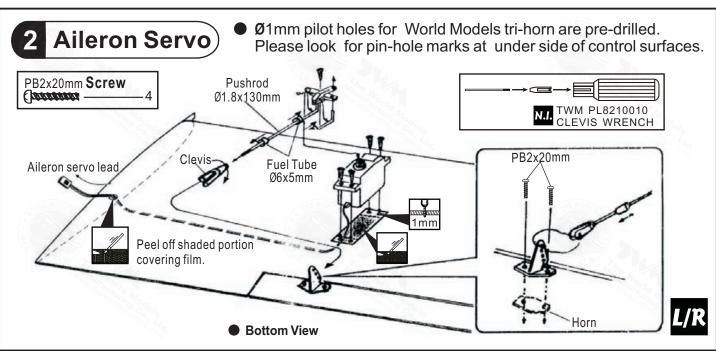
PLYWOOD 3x40x120mm (For Wing Protection) –1 pc.

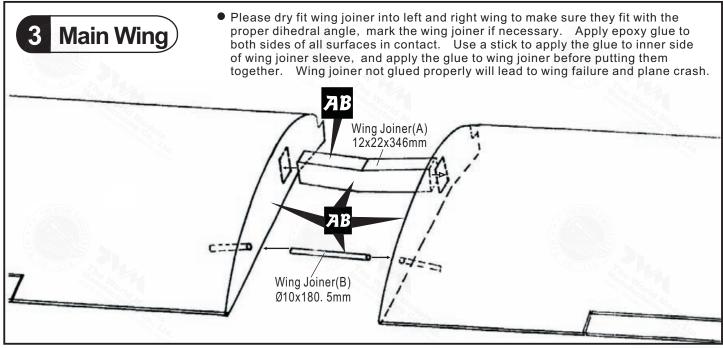
21. DECALS A088DEC - 1 set

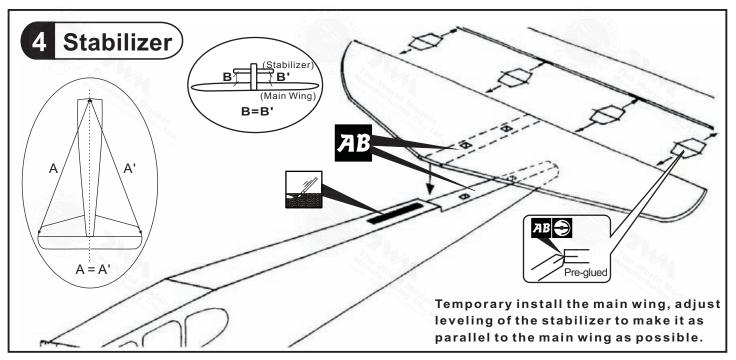
## OCVERING:--

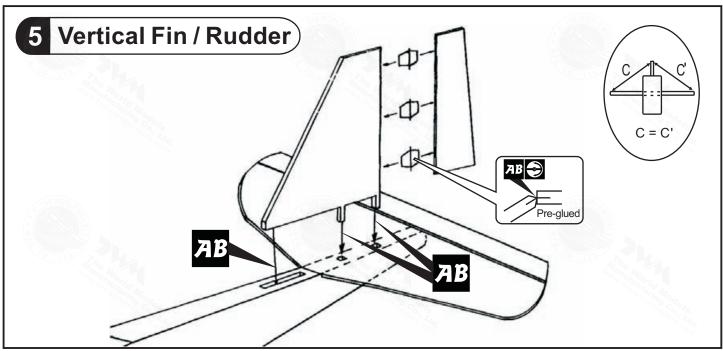
LIGHTEX SGX 100 WHITE LIGHTEX SGX 250 BLUE LIGHTEX SGX 251 SKY BLUE LIGHTEX SGX 312 BRIGHT RED LIGHTEX SGX 313 PINK LIGHTEX SGX 351DARK BLUE

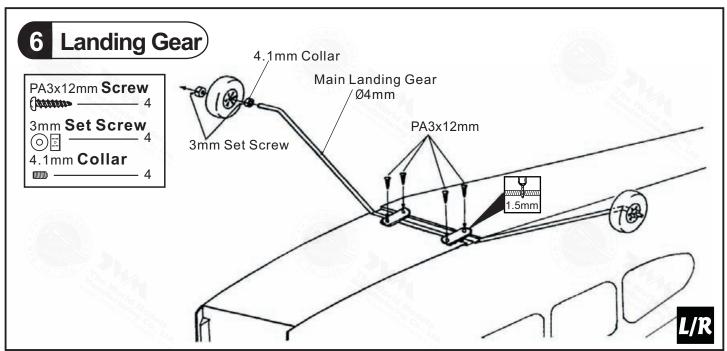


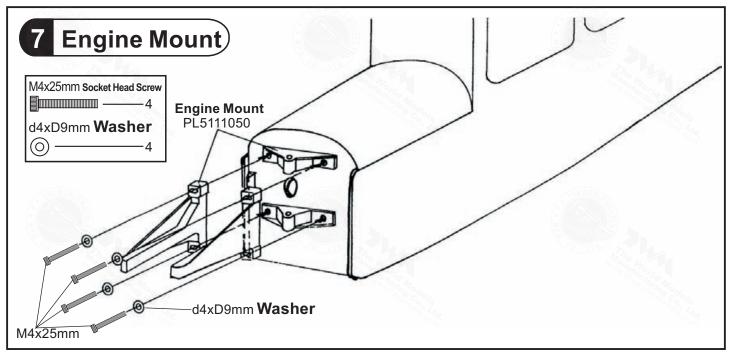


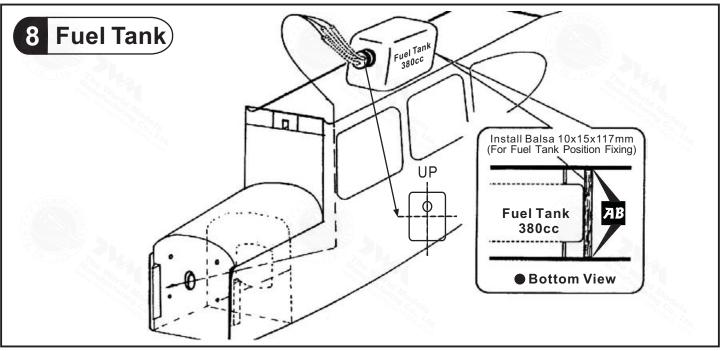


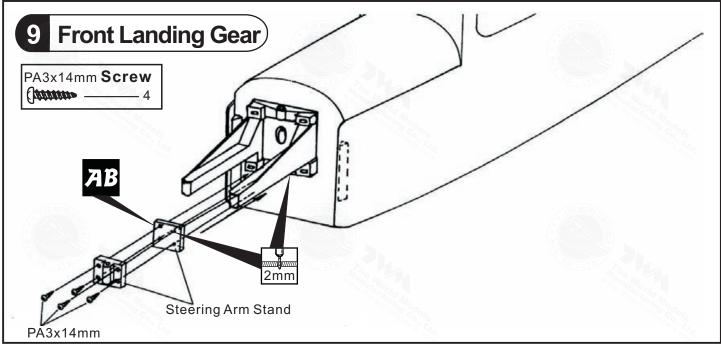


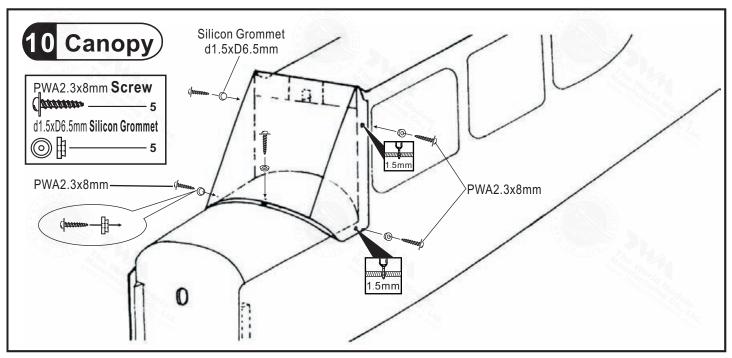


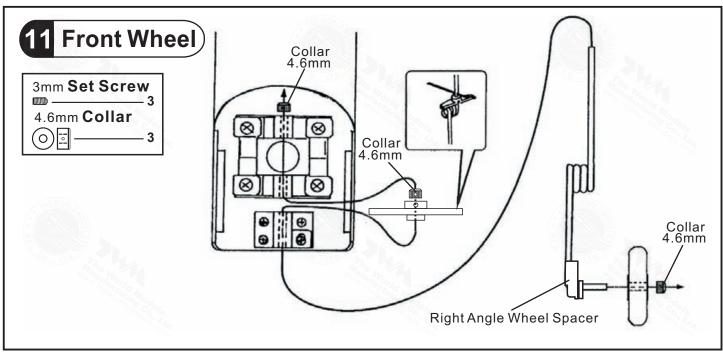


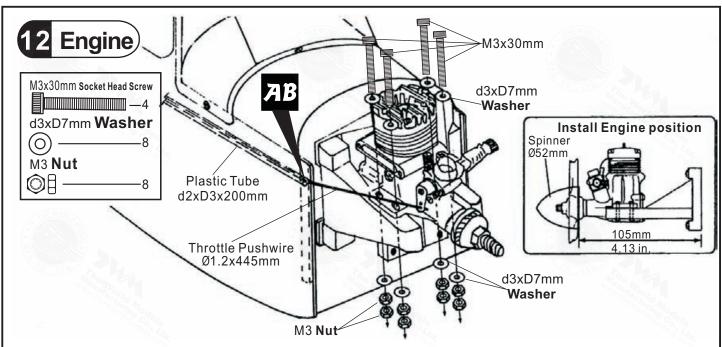


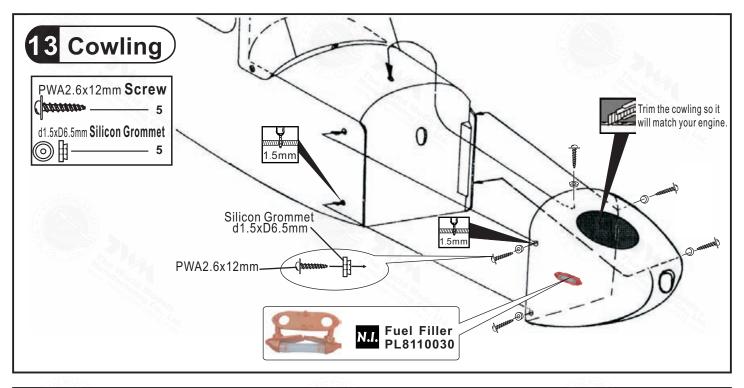


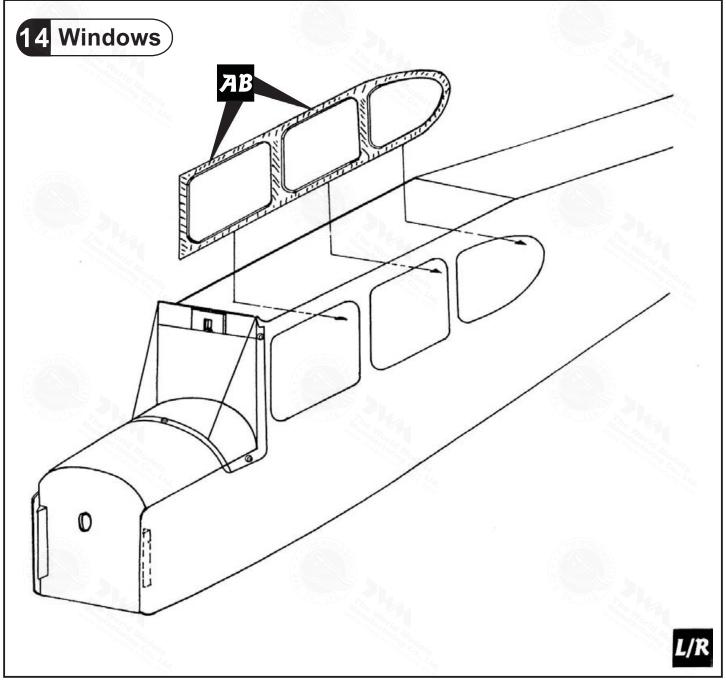


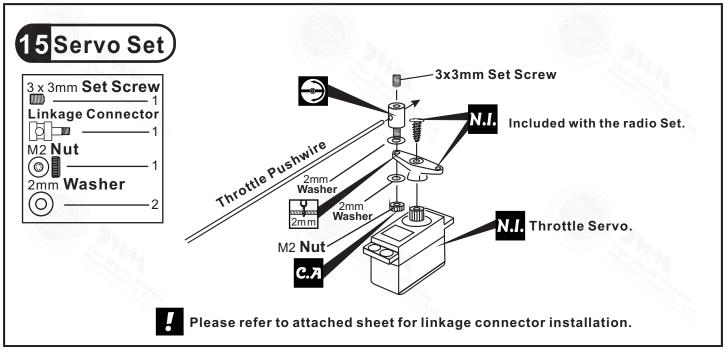


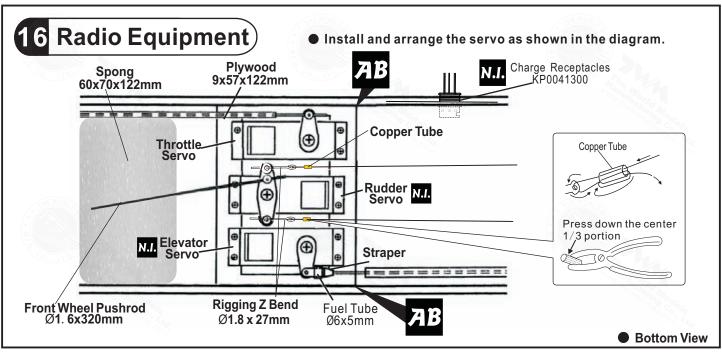


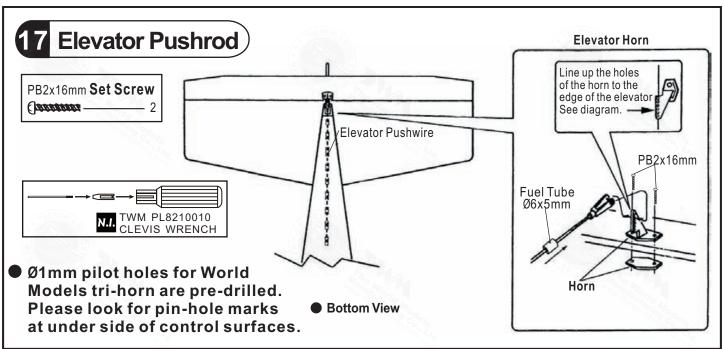


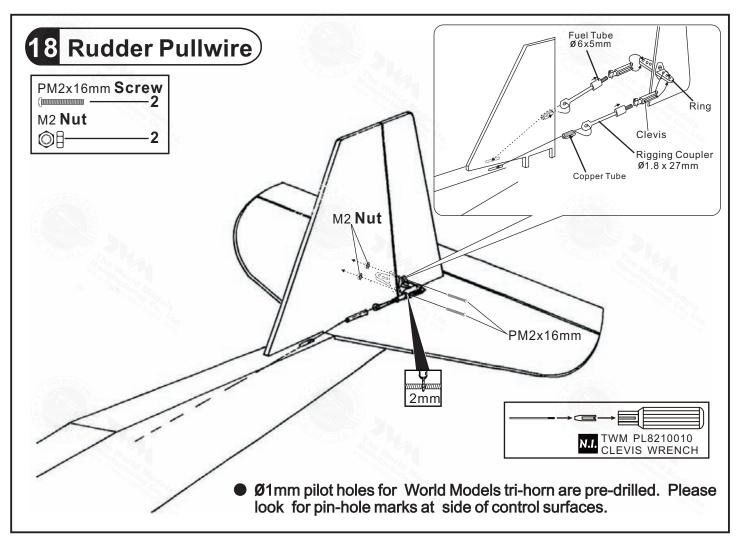


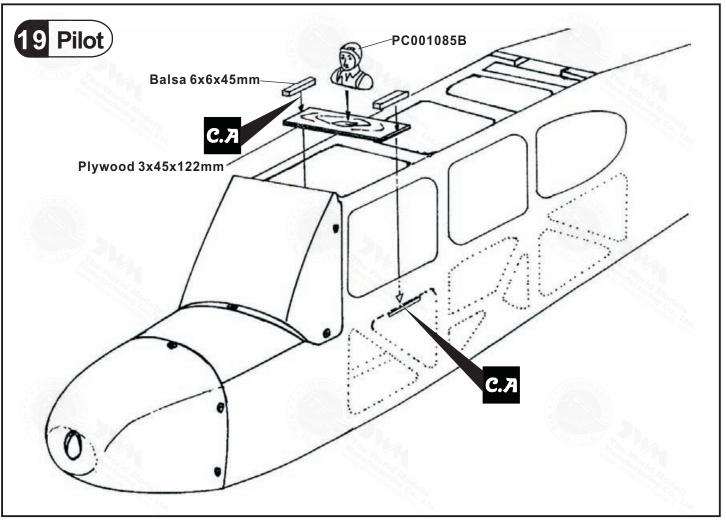


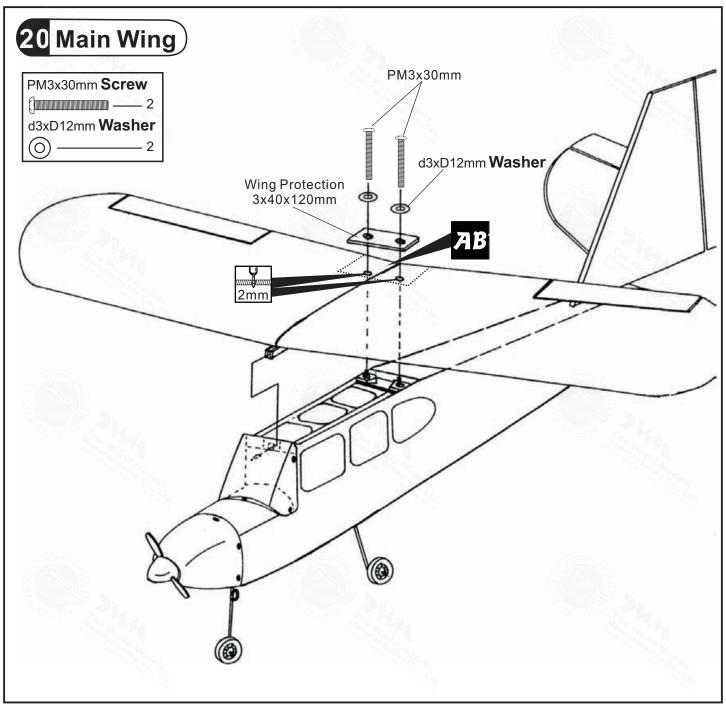


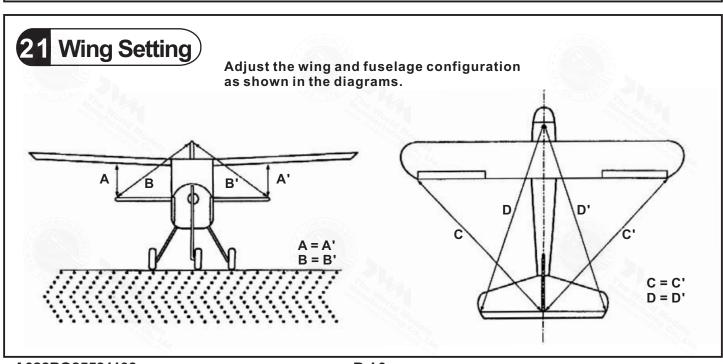


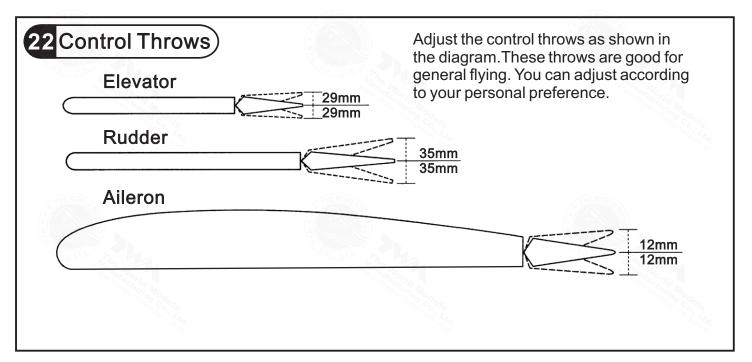


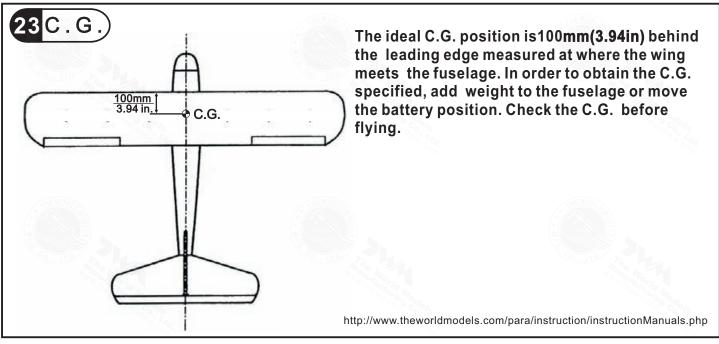










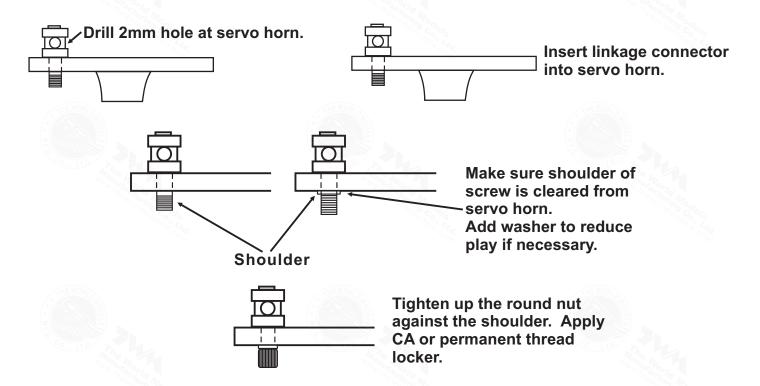


## Warning!

#### **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.
- # Super Frontier Senior is specially designed to be powered by 2C 0.46 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 applicable.

# 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.

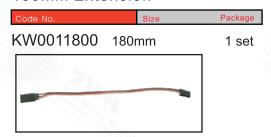
1. Name:	
2. Address:	WE WOS
3. Phone #:	E-mail:
4. Model:	
Wing QC# Fu (QC numbers are stamped	selage QC# I on wing and fuselage)
5. Date of Purchase:	
6. Store Name:	a ME WOR

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

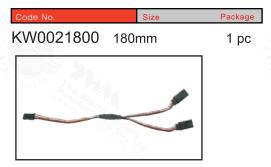
## **Optional Parts**

## ( ACCESSORIES)

## 180mm Extension



## 180mm Y-Cord



## 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

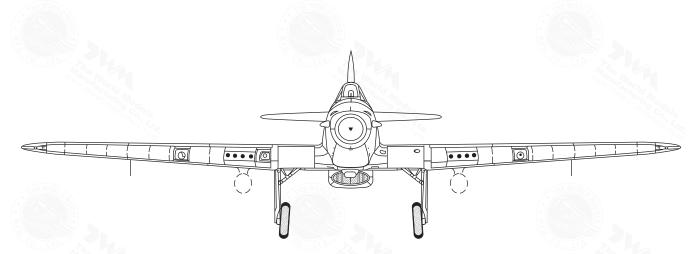


Speed: 0.17 sec / 60° @4.8V 0.14 sec / 60° @6.0V

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 /oughlon)

