Super Frontier 40



0.40-0.50 cu.in. displacement 2-cycle 0.48-0.52 cu.in. displacement 4-cycle Radio required: 4 channels, 4 servos airplane radio

Specifications

Wing Span Wing Area Flying Weight Fuselage Length 64.0 in / 1630 mm 704 sq in / 45.4 sq dm 5.5-6.2 lbs / 2500-2800 g

48.0 in / 1220 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.



THE WORLD MODELS MANUFACTURING CO., LTD.

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



Super Frontier-40

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BEFORE YOU BEGIN

- 1 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 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 instant 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.



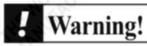
Drill holes with the specified diameter (here: 3mm).



Must be purchased separately!



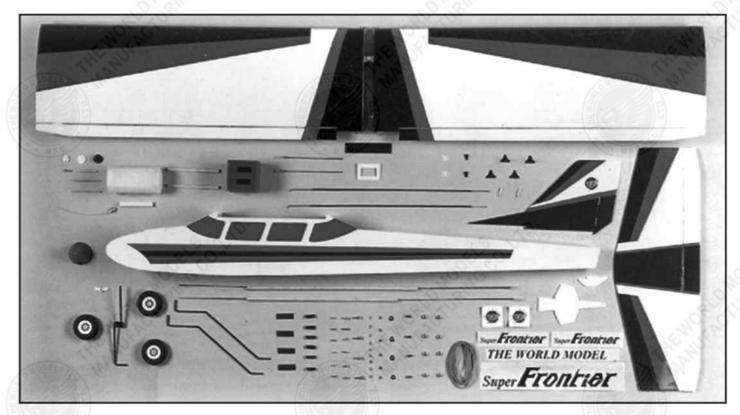
Pay close attention here!



Do not overlook this symbol!



Pierce the shaded portion covering film.



Parts List

- 1. FUSELAGE -- 1 pc.
- 2. MAIN WING (w/Wing Joiner) -- 1pair
- 3.STABILIZER & ELEVATOR 1 set
- 4.VERTICAL FIN & RUDDER -- 1 set
- 5.SPINNER Ø57mm -- 1 set
- 6.ENGINE MOUNT PL5111-030 1 set
- 7.FUEL TANK 380cc 1 pc
- 8.SPONGE (For Radio Equipment) -- 2 pcs
- 9.FRONT LANDING GEAR 1 pc
- 10.MAIN LANDING GEAR -- 1 pair
- 11.WHEEL Ø65mm -- 3 pcs

12.PUSHROD:--

WOODEN ROD Ø8x380mm (For Rudder Servo) - 1 pc WOODEN ROD Ø8x430mm (For Elevator Servo) - 1 pc METAL ROD Ø1.8x130mm w/Threads (For Aileron Servo) -- 2 pcs METAL ROD Ø1.8x145mm (For Elevator Servo) - 2 pcs METAL ROD Ø1.8x155mm (For Rudder Servo) -- 2 pcs METAL ROD Ø1.8x290mm w/Threads (For Rudder Servo) -- 1 pc M ETAL ROD Ø1.8x230mm w/Threads (For Elevator Servo) - 1 pc

13.PUSHWIRE:--

FRONT WHEEL PUSHWIRE Ø1.2x420mm -- 1 pc THROTTLE PUSHWIRE Ø1.2X460mm (w/Plastic Tube) - 1 set

14.WOODEN PARTS:--

BALSA 10x10x84mm (For Fixing Fuel Tank) - 1 pc WOOD 6x6x18mm (For Front Landing Gear) -- 1 pc PLYWOOD 1.5x25x115mm (Wing Protection) - 1 pc PLYWOOD 3x8x21mm (For Aileron Servo) -- 2 pcs PLYWOOD 3x47x57mm (Aileron Servo Box) - 1 pc WING JOINER 9x23.7x200mm -- 1 pc WOODEN ROD Ø8x130mm (For Fixing Main Wing) -- 2 pcs 15.PLASTIC PARTS:--CLEVIS -- 4 pcs PLATE -- 2 pcs RING Ø2.6mm - 2 pcs STEERING ARM -- 1 pc STRAPER - 3 pcs

16.METAL PARTS:-

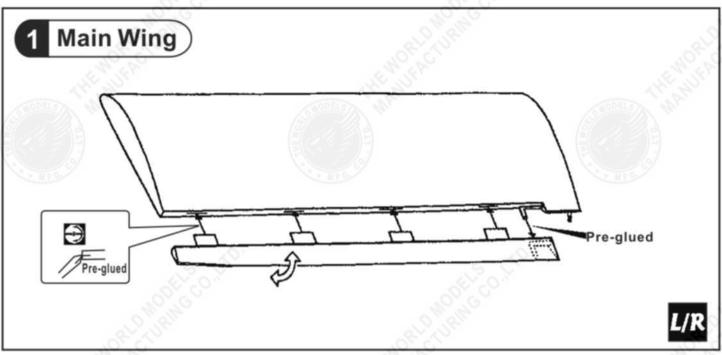
HORN - 2 sets

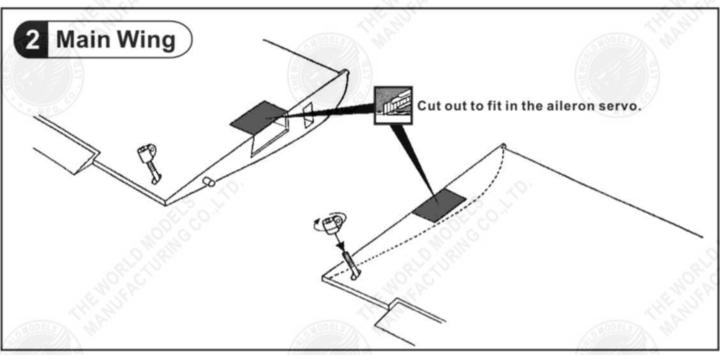
LINKAGE CONNECTOR 2.1mm - 3 SETS COLLAR 4.1mm w/set screw - 8 sets NUT 3mm -- 8 pcs SCREW PA3x12mm - 4 pcs SCREW PM2x12mm -- 4 pcs SCREW PM3x50mm -- 1 pc SCREW PM3x22mm -- 4 pcs SCREW PM3x25mm - 4 pcs SCREW PM3x45mm -- 1 pc WASHER 3mm -- 12 pcs WASHER d3xD12mm - 2 pcs

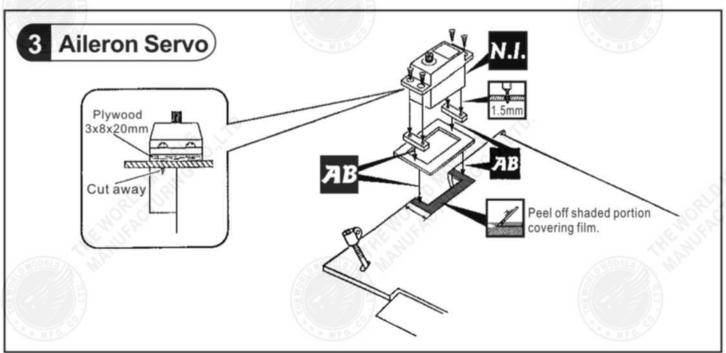
17.FUEL TUBE Ø6x5mm - 7 pcs HEAT-SHRINK TUBE Ø8x40mm -- 4 pcs

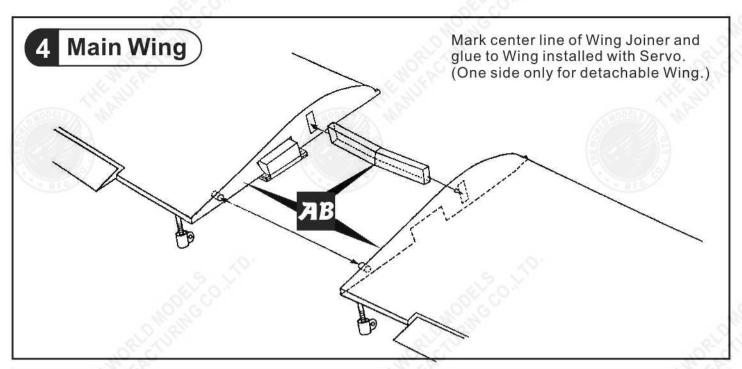
18.RUBBER BAND 60x6mm - 8 pcs

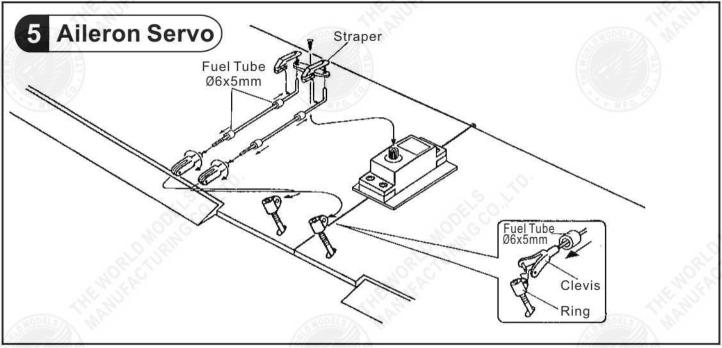
19.DECALS -- 1 set

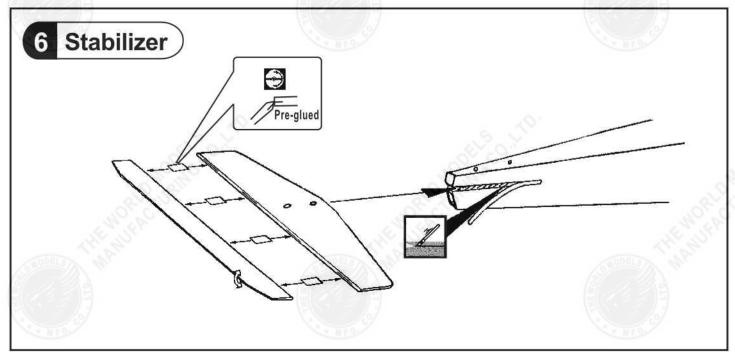


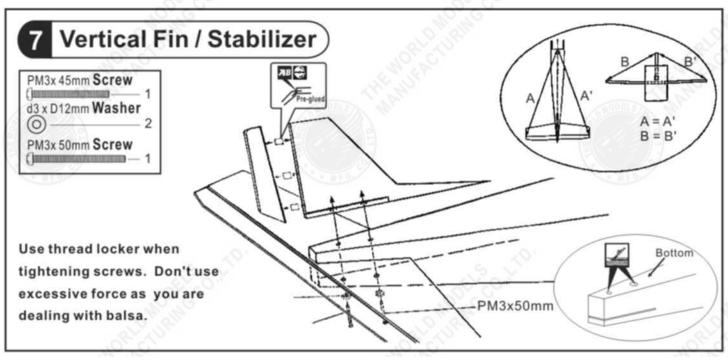


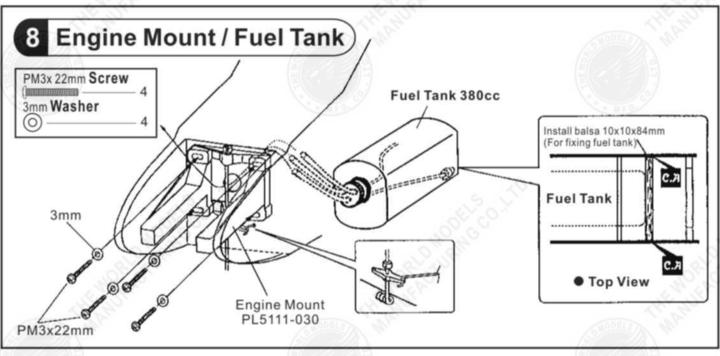


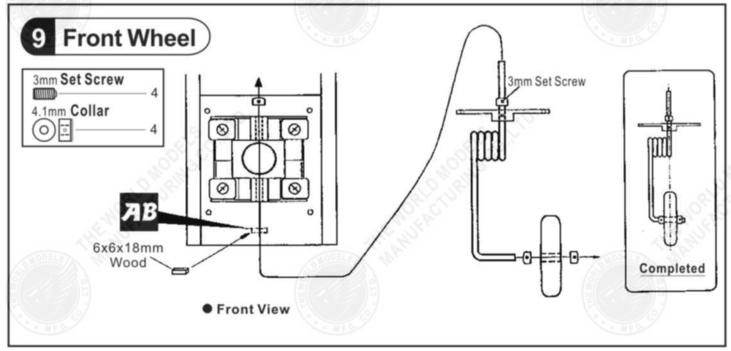


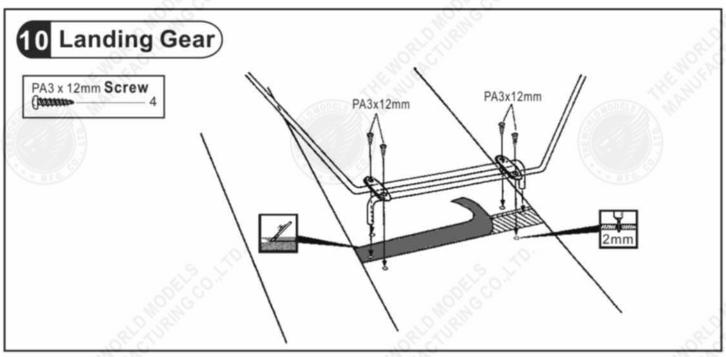


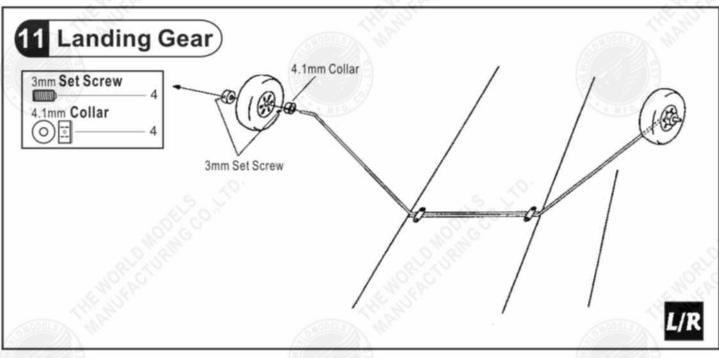


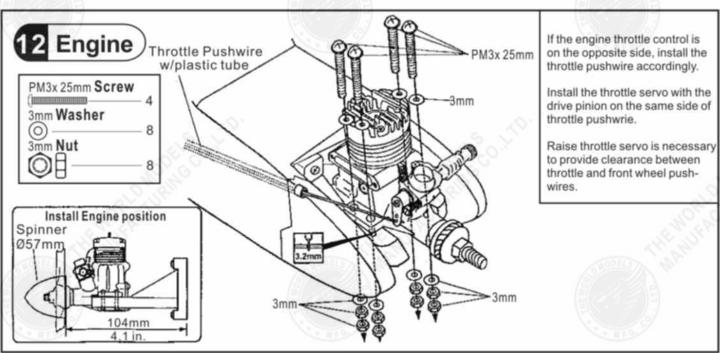


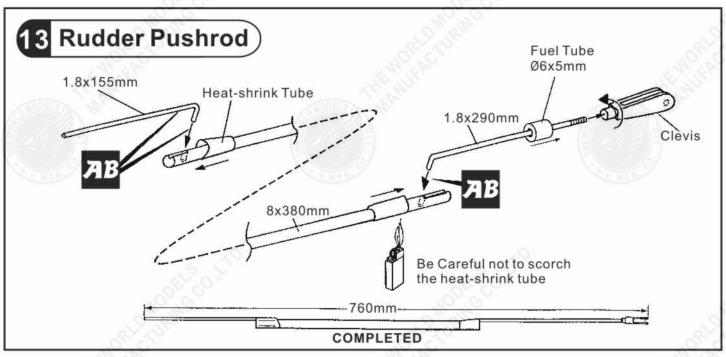


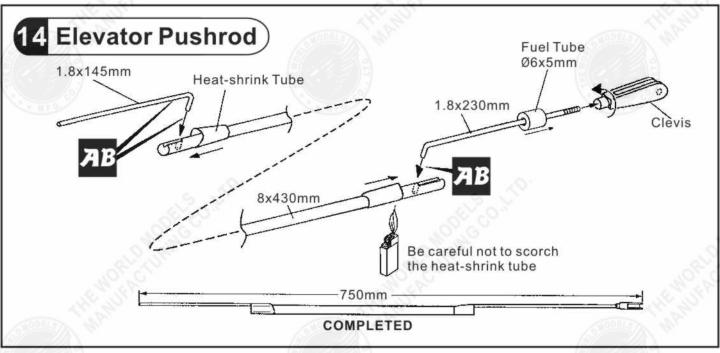


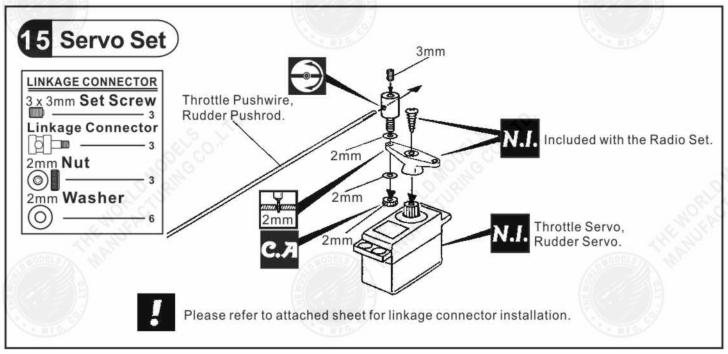


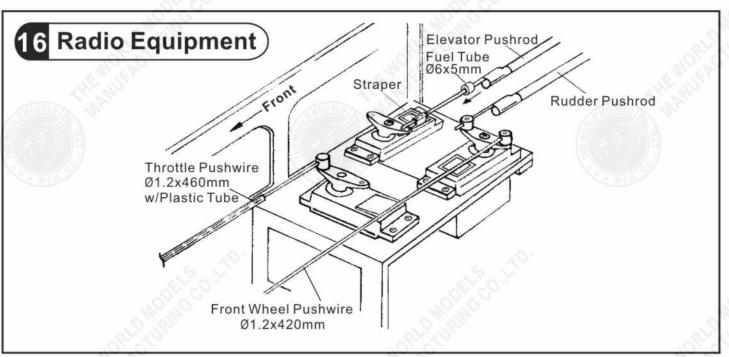


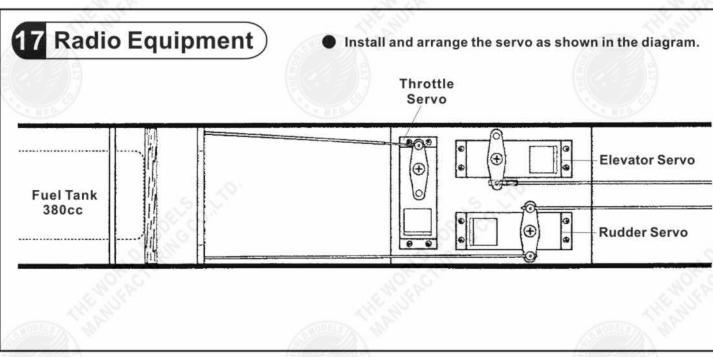


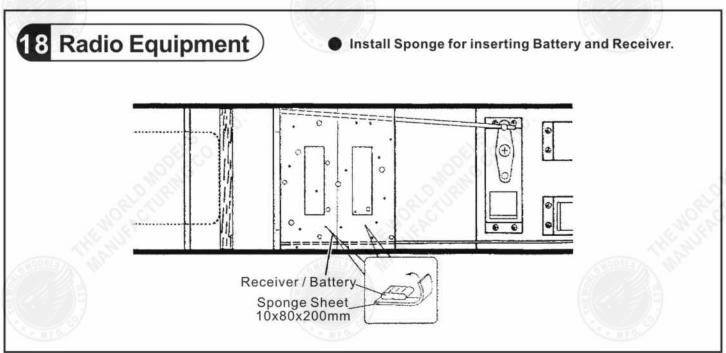


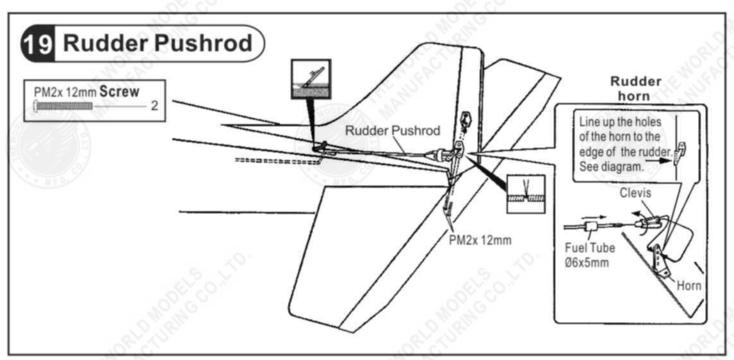


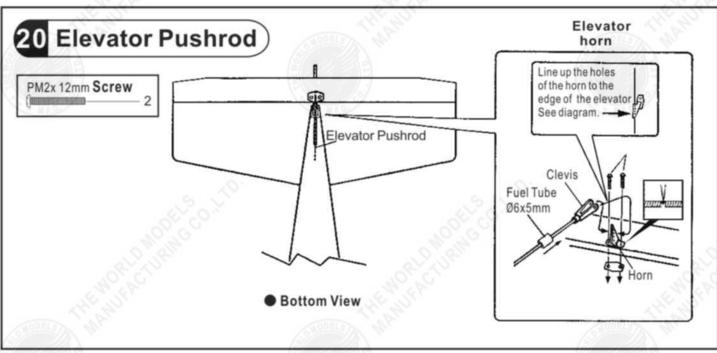


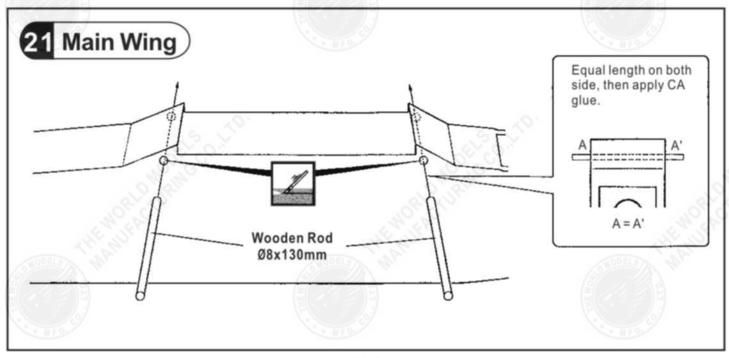


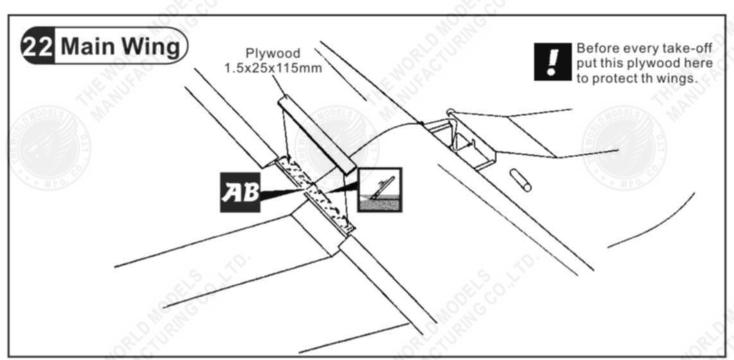


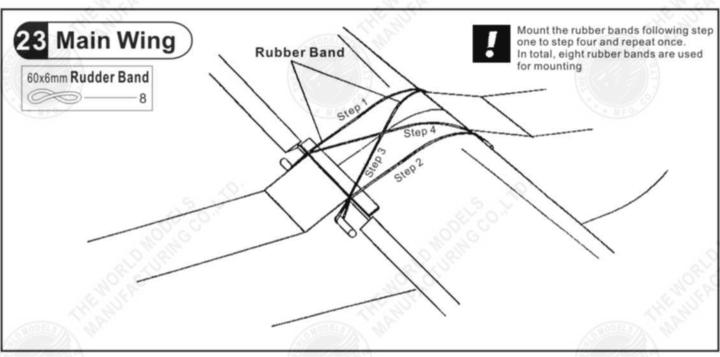


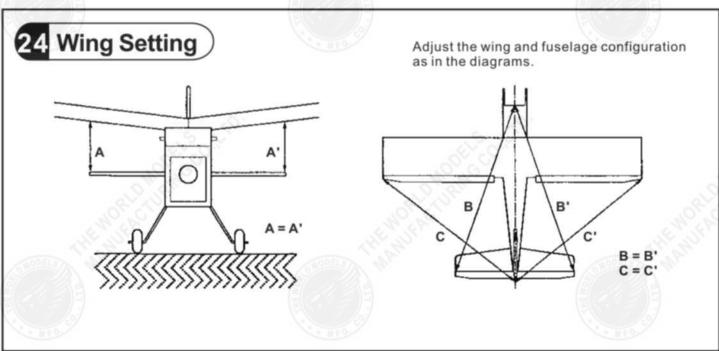


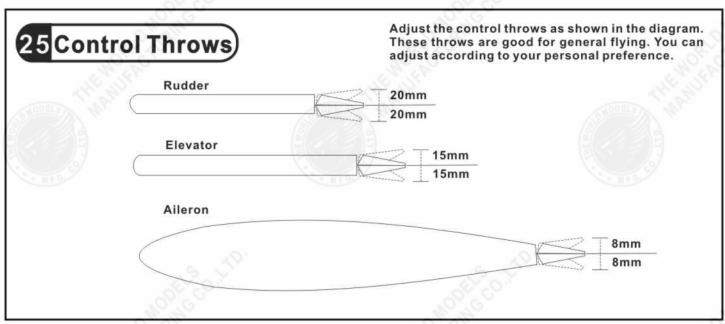


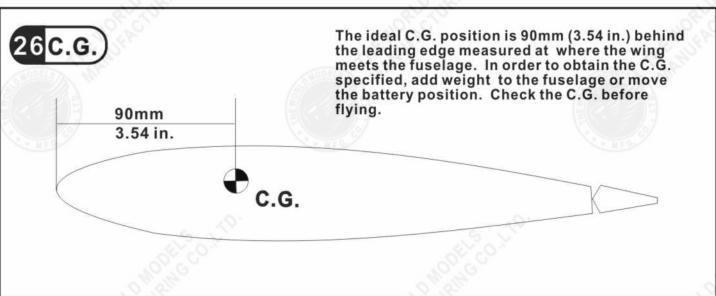












4 Warning!

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-40 is specially designed to be powered by 2C 0.40-0.50 or 4c 0.48-0.52 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 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.