FUN WORLD 3D



1.20 cubic inch displacement 4 stroke (glow) Radio required: 8 channels, 8 servos airplane radio

#Specifications

Wing Span
Wing Area
Flying Weight
Fuselage Length

70.5 in / 1790 mm

1392 sq in / 89.8 sq dm

9.5 lbs / 4300 g

70.0 in / 1780 mm

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



^{*} Specifications are subject to change without notice, *

FUN WORLD 3D

- INDEX

| BEFORE YOU BEGIN | 2. | 1 |
|------------------|----|-----------|
| | P. | 2 3-12 |
| | P. | |
| | P. | 12 |

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 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: 3 mm).



Must be purchased separately!



Pay close attention here!

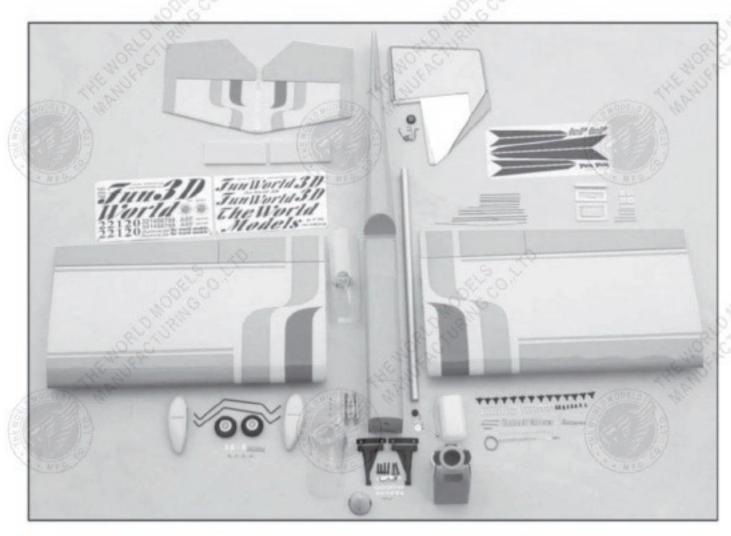


Warning!



Pierce the shaded portion covering film.

Do not overlook this symbol!



Parts List

1.FUSELAGE -- 1 pc.

2.MAIN WING -- 1 pair

3.STABILIZER & ELEVATOR -- 1 set

4. VERTICAL FIN & RUDDER -- 1 set

5.PILOT (# PC001063 B.) -- 1 pc.

6.CANOPY -- 1 set

7.ENGINE MOUNT PL5911120 -- 1 set

8.FUEL TANK 450cc -- 1 set

9.COWLING -- 1 pc.
TRANSPARENT 3D TEMPLATE -- 1 pc.

10.SPINNER Ø70mm -- 1 pc.

11.SPONGE 10 x 80 x 200mm (For Radio Equipment) - 2 pcs

12:MAIN LANDING GEAR -- 2 pcs

13.MAIN WHEEL Ø 70mm -- 1 pair

14.WHEEL COVER -- 1 pair

15.TAIL LANDING GEAR -- 1 set

16.TAIL WHEEL Ø 30mm -- 1 pc.

17.METAL ROD. PUSHROD & PULLWIRE:-METAL ROD Ø1.8 x 210mm w/Threads
(For Elevator & Fuselage) -- 2 pcs
METAL ROD Ø1.8 x 240mm w/Threads
(For Elevator & Vertical Fin) -- 2 pcs
RIGGING COUPLER Ø1.8 x 27mm w/Threads
(For Rudder) -- 2 pcs
RIGGING Z BEND Ø1.8 x 27mm (For Rudder) -- 2 pcs
METAL ROD Ø1.8 x 130mm w/Threads
(For Elevator) Aileron & Flap) -- 5 pcs
METAL ROD Ø1.8 x 170mm w/Threads (For Elevator) -- 1 pc.
WIRE Ø0.8 x 850mm (For Rudder) -- 2 pcs
COPPER TUBE d2 x D 2.4 x 8mm (For Rudder) -- 4 pcs

18.THROTTLE PUSHWIRE Ø 1.2 x 300mm w/Plastic tube d2 x D3 x 160mm -- 1 set

19.WOODEN PARTS: -BALSA 5 x 5 x 50 (For Throttle Servo) -- 2 pcs
BALSA 5 x 5 x 70 mm (For Rudder Servo) -- 2 pcs
BALSA 10 x 10 x 100 mm (For Fixing Fuel Tank) -- 1 pc.
PLYWOOD 3 x 10 x 21 mm (For Throttle Servo) -- 1 pc.
PLYWOOD 3 x 10 x 41 mm (For Throttle Servo) -- 1 pc.
PLYWOOD 3 x 10 x 96 mm (For Rudder Servo) -- 2 pcs

PLYWOOD 3 x 41 x 100 mm (Throttle Servo Stand) -- 1 pc. PLYWOOD 3 x 31 x 61 mm (Elevator Servo Stand) -- 1 pc. PLYWOOD 3 x 61 x 100mm (Rudder Servos Stand) -- 1 pc.

20.PLASTIC PARTS: -CLEVIS -- 8 pcs
SILICON GROMMET d1.5 x D6.5mm (For Canopy &
Cowling) -- 9 pcs
STRAPER -- 6 pcs
TRI - HORN M3 x 14mm (L) -- 6 sets
TRI - HORN M3 x 14mm (L) (wio Base For Rudder) -- 2 sets
PLATE (Main Landing Gear & Weel Cover) -- 4 pcs

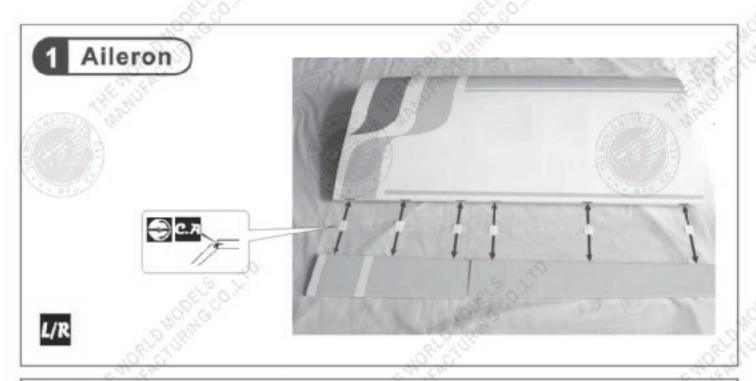
21.METAL PARTS: -LINKAGE CONNECTOR -- 1 sets
COLLAR 2.6mm -- 1 set
COLLAR 4.6mm -- 4 sets
ALUMINUM PLATE 2 x 12 x 75mm (For Engine Mount) -- 1 pc.
WING TUBE Ø 25 x 784mm -- 1 pc.
NUT 2mm -- 4 pcs
NUT 3mm -- 4 pcs
SCREW PA3 x 12mm -- 1 pc.
SCREW PA3 x 12mm -- 1 pc.
SCREW PA3 x 40mm -- 1 pc.
SCREW PM2 x 16mm -- 6 pcs
SCREW PM2 x 16mm -- 8 pcs
SCREW PM2 x 20mm -- 15 pcs
SCREW PM2 x 25mm -- 3 pcs
SCREW PM3 x 16mm -- 2 pcs
SCREW PM3 x 16mm -- 2 pcs
SCREW PM3 x 40mm -- 1 pc.
SCREW PM3 x 40mm -- 1 pc.
SCREW PM3 x 40mm -- 1 pc.
SCREW PM3 x 40mm -- 5 pcs
SCREW PW3 x 40mm -- 5 pcs

22.ANTI-VIBRATION MOUNT 4C - 120 -- 1 set (INCLUDE: SOCKET HEAD SCREW M3 x 35mm -- 4 pcs SCREW KM3 x 20mm -- 8 pcs WASHER d3 x D12mm -- 8 pcs NYLON INSERT LOCK NUT 3mm -- 12 pcs

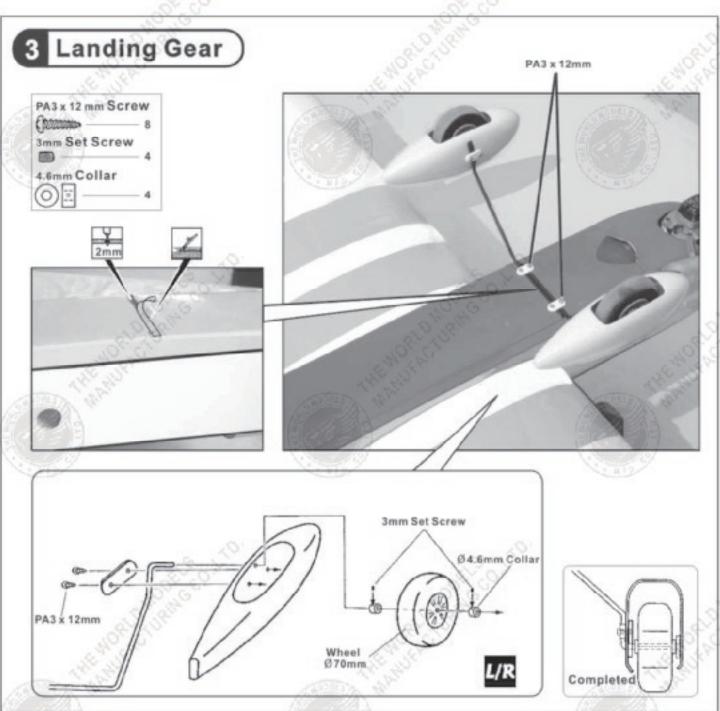
23.FUEL TUBE Ø 6 x 5mm : -- 14 pcs

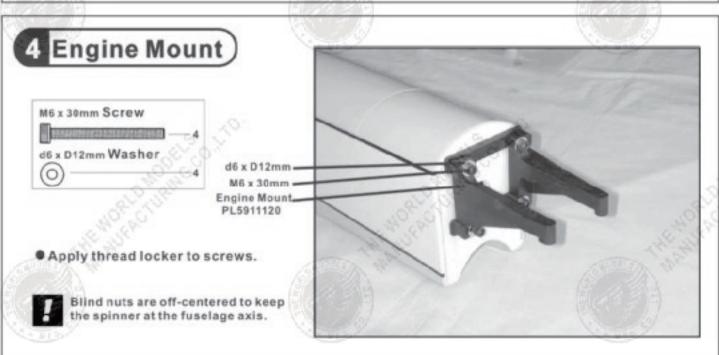
SOCKET HEAD SCREW M6 x 30mm -- 4 pcs WASHER d3 x D7mm -- 4 pcs WASHER d6 x D18mm -- 4 pcs

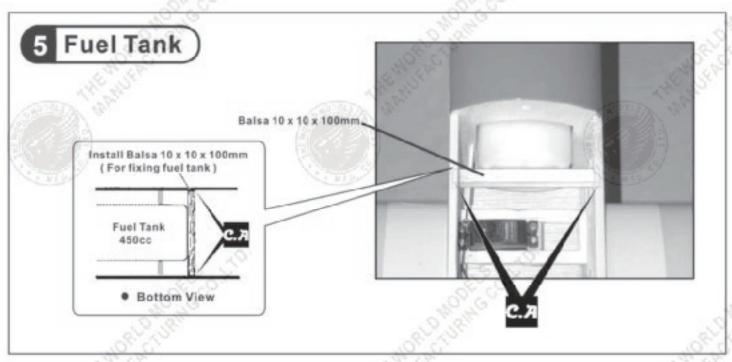
24.DECALS: -- 1 set

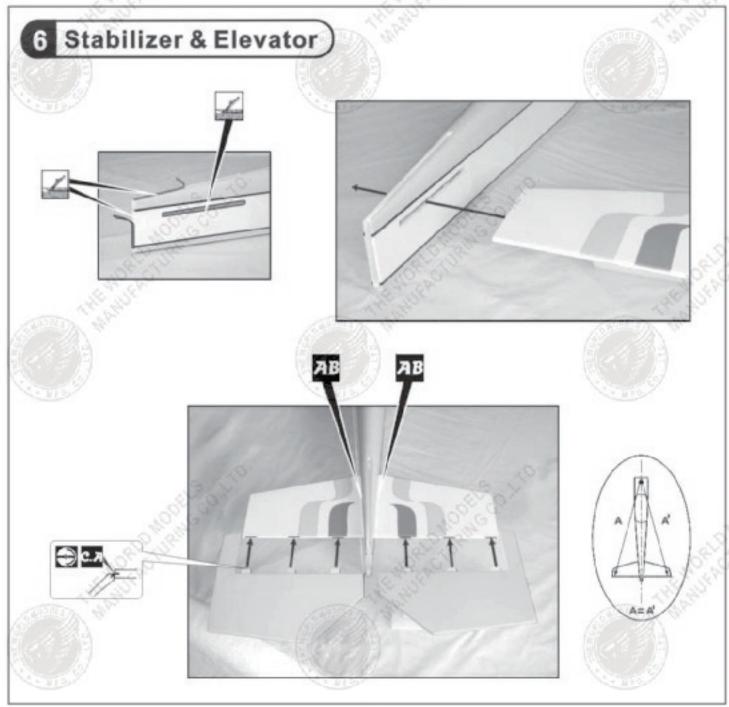


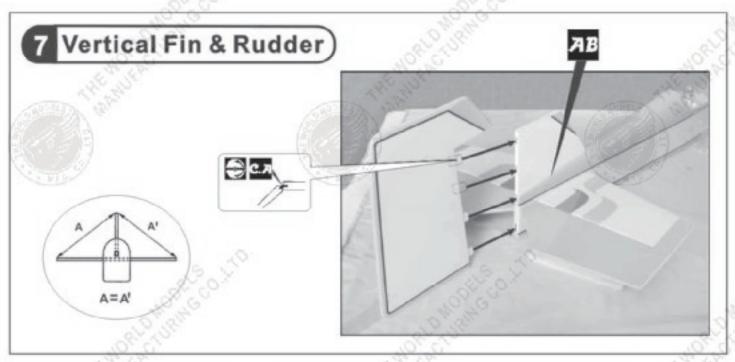


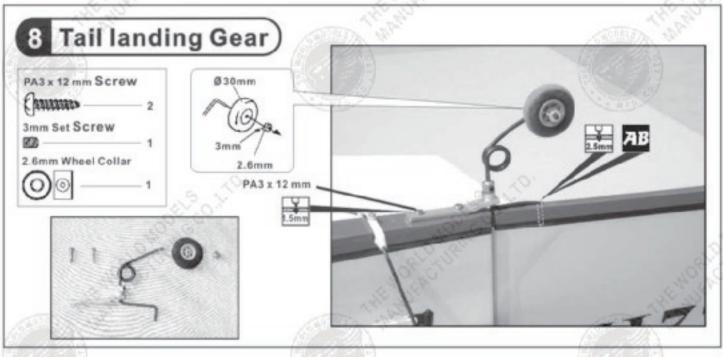


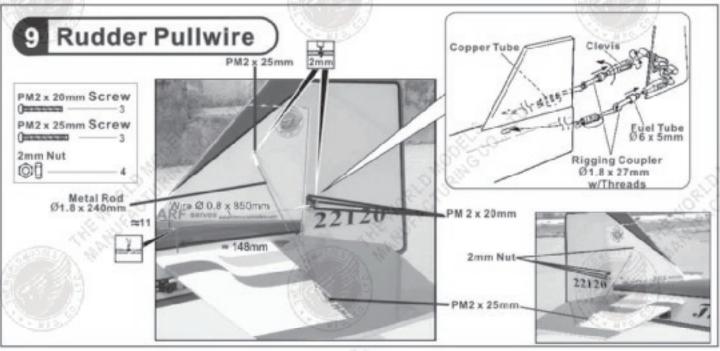


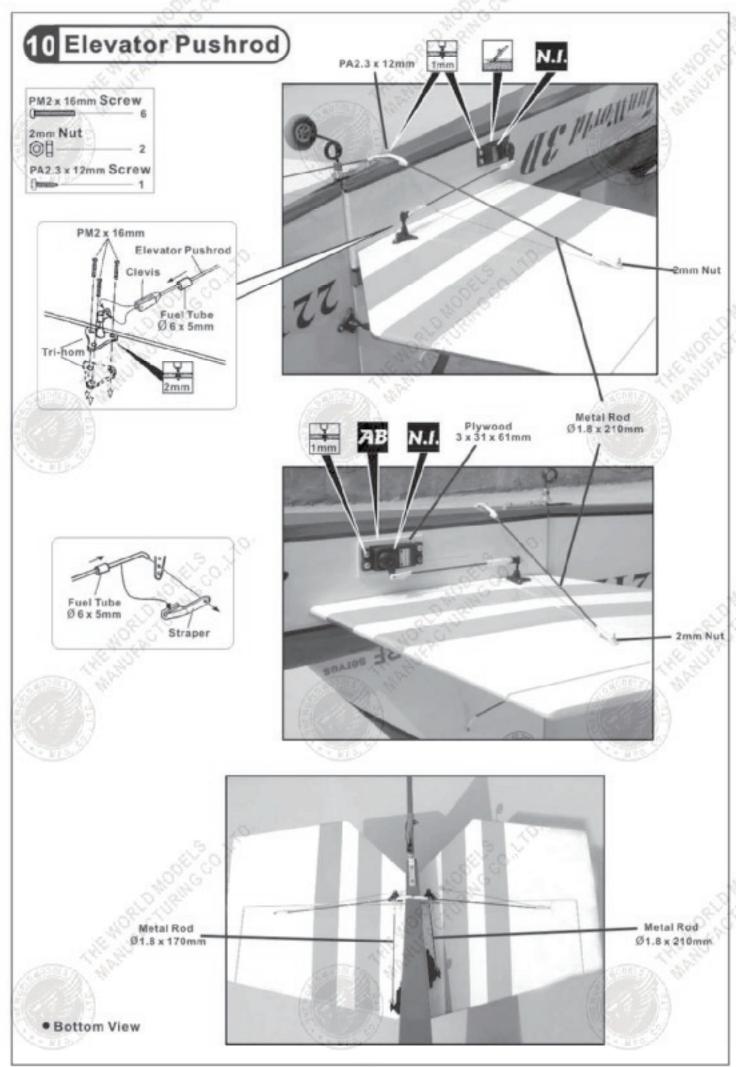


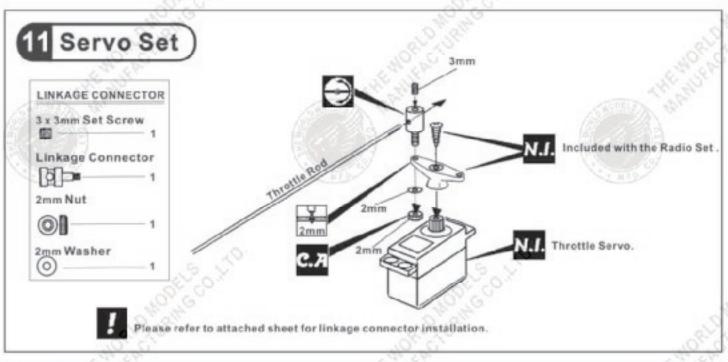


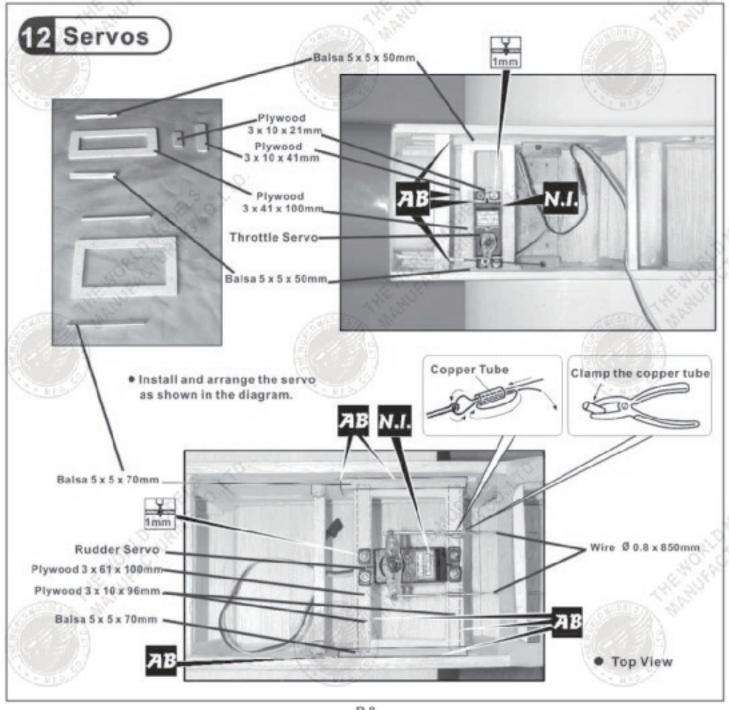


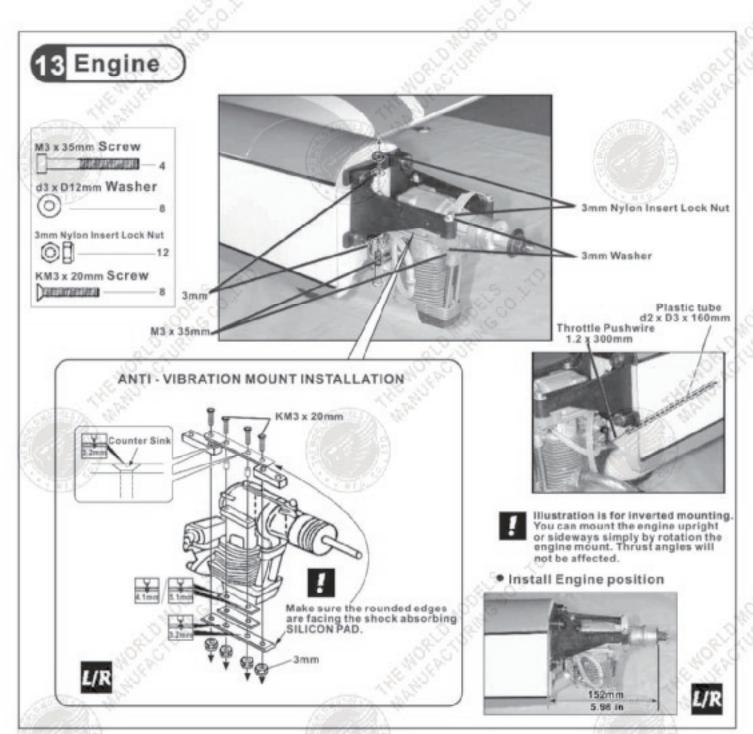


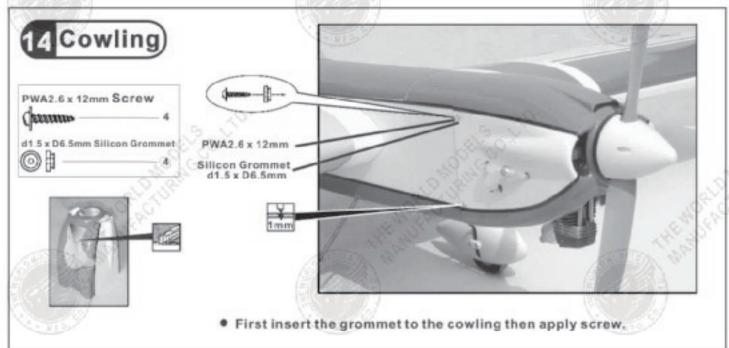






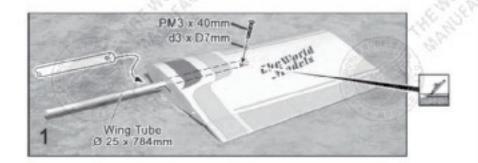






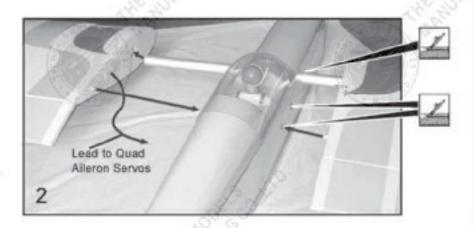
15 Main Wing

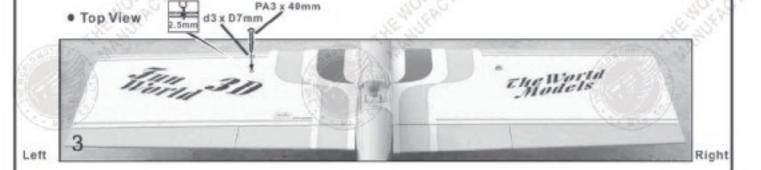




Step 1. Insert the aluminum wing tube with the pre-drilled hole end into the right wing. Align the lines marked at the wing root and wing tube and apply the PM3 x 40 machine screw through the pre-drilled hole on top of the wing. (please confirm the alignment of the hole by putting a 2.5mm diameter rod through the pre-drilled wing hole before applying the screw.) The hole on the wing tube is pre-threaded, do not over tighten the PM3 screw, the set up is for future removal of the wing.

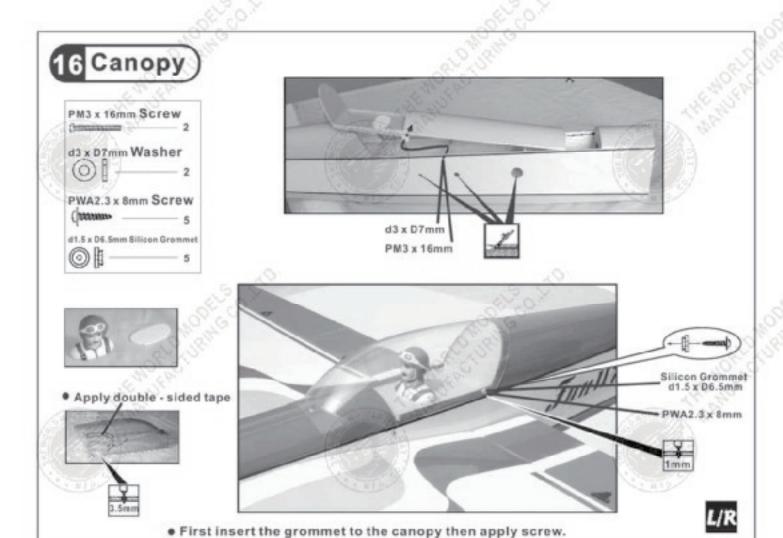
Step 2. Install the right wing to the fuselage by inserting the wing tube (now attached to the right wing) through the fuselage, then install the left wing.

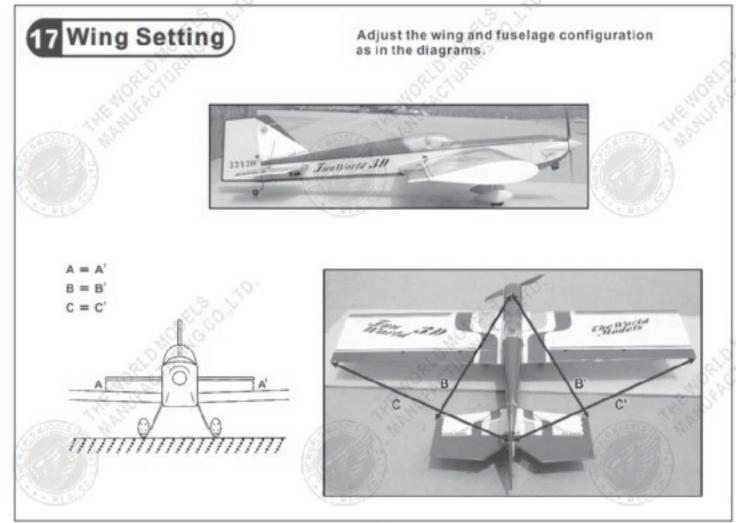


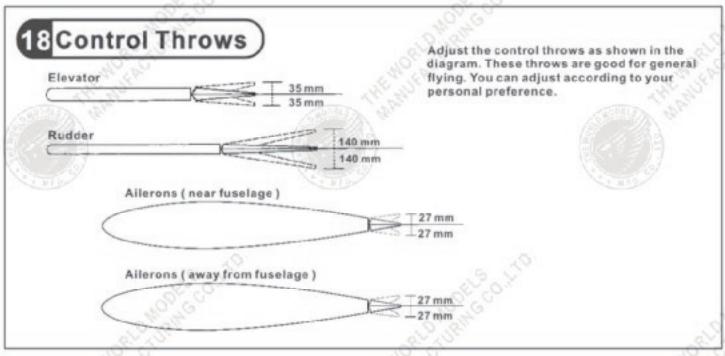


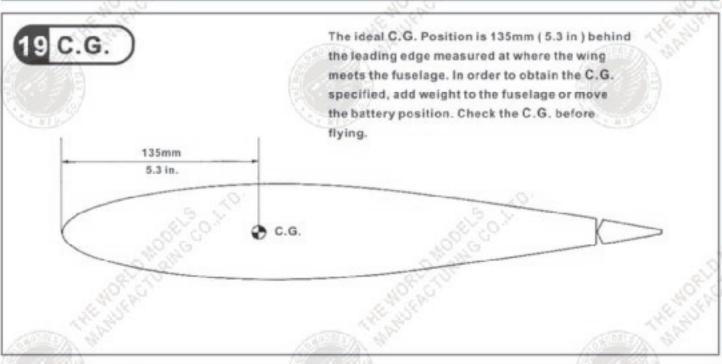
Step 3. Make sure the wings are resting against the fuselage tightly. Locate the pre - drilled 2.5 mm hole at top of left wing, and drill along with 2.5mm drill bit until it passes through the wing tube. Apply the PA3 x 40 self - tapping screw.

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 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.
- #FUN WORLD 3D is specially designed to be powered by 1.20 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 close3 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.