



0.91 cu.in. displacement 2-cycle 1.20 cu.in. displacement 4-cycle

Radio required: 5 channels,6 servos airplane radio

Specifications

Wing Span Wing Area Flying Weight Fuselage Length 71.0 in /1800mm 955 sq in /61.6 sq dm 10.0 lbs / 4500g 71.5 in / 1820mm

* 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.



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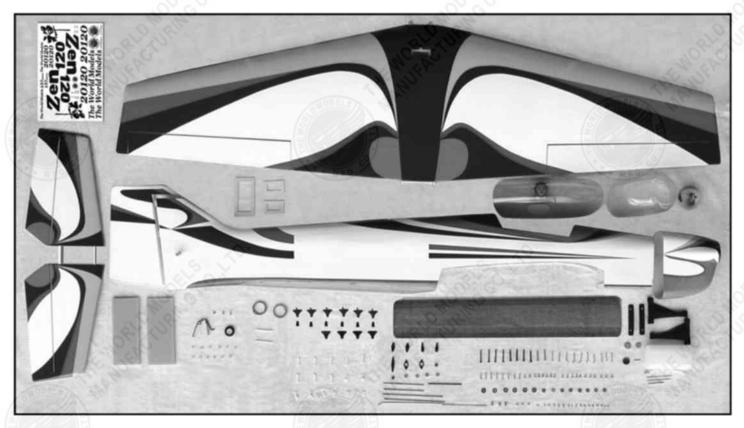
BEFORE YOU BEGIN

- 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 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: -



Drill holes with the specified Must be purchased separately! diameter (here: 3mm).





Parts List

- 1. FUSELAGE & BELLY PAN 1 set.
- 2. MAIN WING 1 pc.
- 3. STABILIZER & ELEVATOR 1 set
- 4. RUDDER 1 pc.
- 5. CANOPY 1 set
- 6.COWLING -- 1pc. TRANSPARENT 3D TEMPLATE -- 1 pc.
- 7. PILOT (#PC001063A) 1 pc.
- 8. ALUMINUM SPINNER Ø70mm −1 pc.
- 9. ENGINE MOUNT PL 5911-120 1 set
- 10. ANTI-VIBRATION MOUNT 4C-120 -1set
- 11. FUEL TANK 450cc 1 set
- 12. SPONGE 10 x 80 x 200mm (For Radio Equipment) 2 pcs
- 13. TAIL LANDING GEAR -1 set
- 14. MAIN WHEEL Ø55mm 2 pcs
- 15. TAIL WHEEL Ø30mm 1 pc.
- 16. ELEVATOR LINKAGE -1set
- 17. PUSHROD & PULLWIRE :COPPER TUBE d2.0 x D2.4 x 8mm
 (For Rudder & Elevator) --8 pcs
 METAL ROD Ø1.8 x27mm (For Rudder & Elevator) --4 pcs
 METAL ROD Ø1.8 x27mm w/Threads
 (For Rudder & Elevator) -- 4 pcs
 METAL ROD Ø1.8 x 130mm w/Threads (For Aileron) --2 pcs
 METAL ROD Ø1.8 x 115mm w/Threads (For Elevator) --1 pcs.
 WIRE Ø0.8 x 1000mm (For Rudder) --2 pcs
 WIRE Ø0.8 x 910mm(For Elevator) --2 pcs
- 18. THROTTLE PUSHWIRE Ø1.2 x 320mm w/Plastic tube d2 x D3 x 180mm --1 set

- 19. WOODEN PARTS:—
 BALSA 14 X 10 X 111mm (For Fixing Fuel Tank)—1 pc.
 PLYWOOD 12 X 3 X 107mm (For Throttle Servo)—1 pc.
 PLYWOOD 12 X 3 X 108mm (For Throttle Servo)—1 pc.
 PLYWOOD 36 X 2 X 60 mm (For Elevator Servo)—2 pc.
 PLYWOOD 65 X 3 X 114mm (For Throttle Servo)—1 pc.
- 20. PLASTIC PARTS :CLEVIS 8 pcs
 SILICON GROMMET d1.5 x D6.5mm
 (For Cowling & Canopy) -- 11 pcs
 TRI-HORN M3 x 14mm(L) 4 sets
 TRI-HORN M3 x 14mm(L) (Non-Base For Rudder) -- 2 sets
 STRAPER -- 4 pcs
- 21. METAL PARTS:—

 LINKAGE CONNECTOR 2.1mm —3 sets

 COLLAR 2.6mm w/set screw —1 set

 STABILIZER JOINER Ø3 X 96mm --1 pc.

 STABILIZER JOINER Ø9.6 X 294 mm --1 pc.

 NUT 2mm —3 pcs

 NYLON INSERT LOCK NUT 3mm —4 pcs.

 SCREW PA3 x 12mm —4 pcs

 SCREW PM2 x25mm —12 pcs

 SCREW PM2 x 30mm —3 pcs

 SCREW PM4 x 30mm —2 pcs

 SCREW PW42 x 12mm —6 pcs

 SCREW PW42 x 12mm —6 pcs

 SCREW PW42.3 x 8mm —6 pcs

 SCREW PW42.6 x 12mm —5pcs

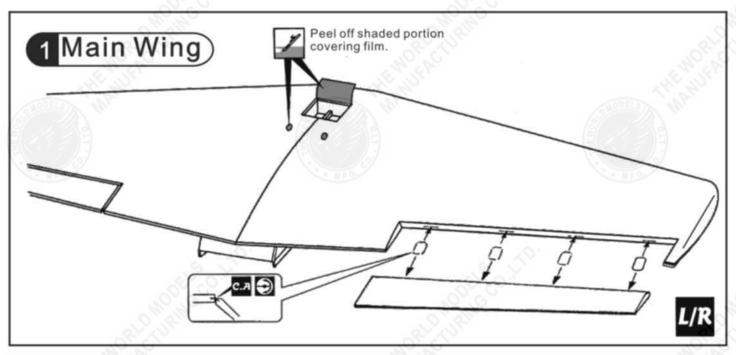
 SOCKET HEAD SCREW M3x 35mm —4 pcs

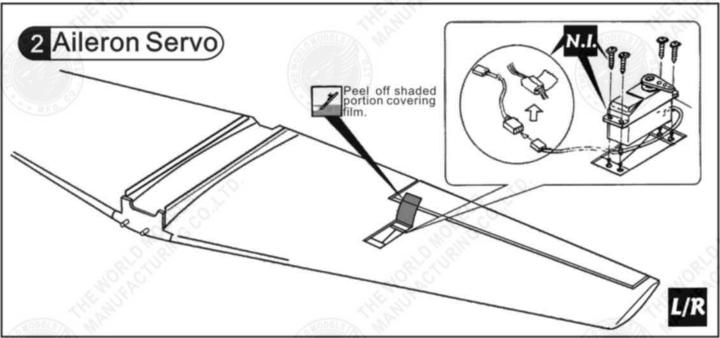
 SOCKET HEAD SCREW M3x 35mm —4 pcs

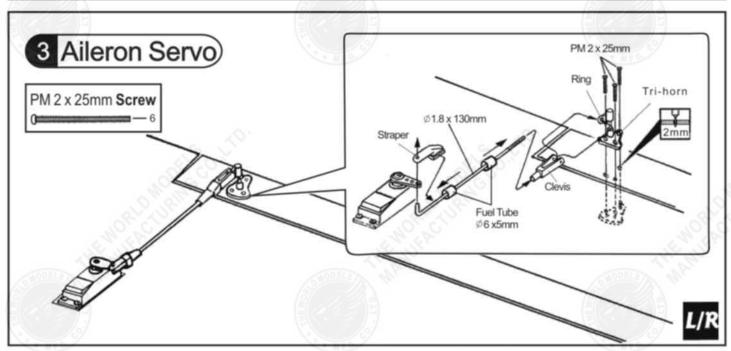
 WASHER d3 x D12mm —8 pcs

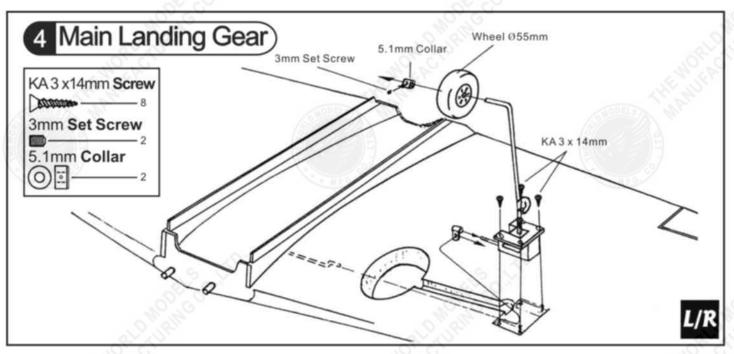
 WASHER d4 x D15mm —2 pcs

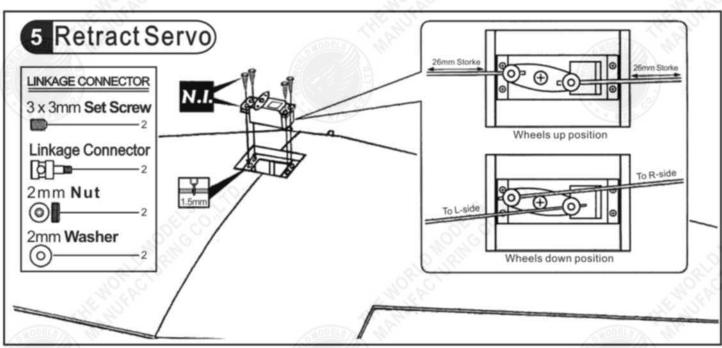
 WASHER d6 x D18mm —4 pcs
- 22. FUEL TUBE Ø 6 x 5mm -12 pcs
- 23. DECALS: ST200 040 -- 1 set

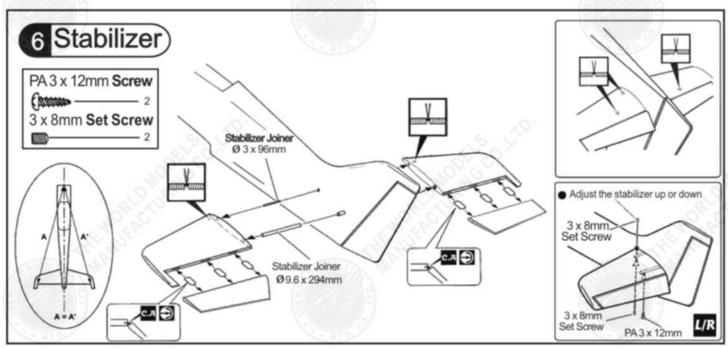


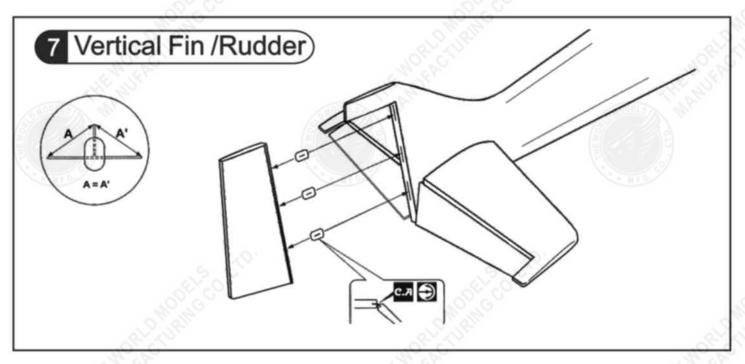


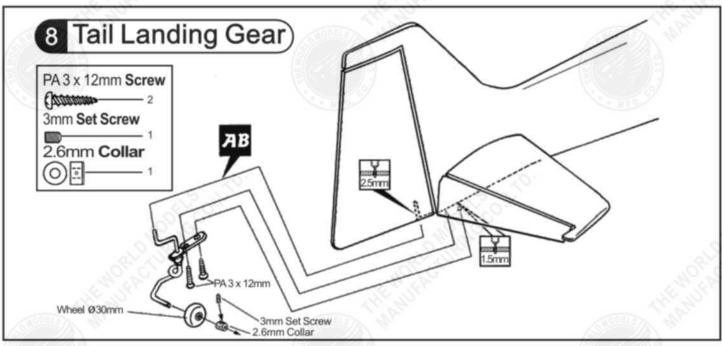


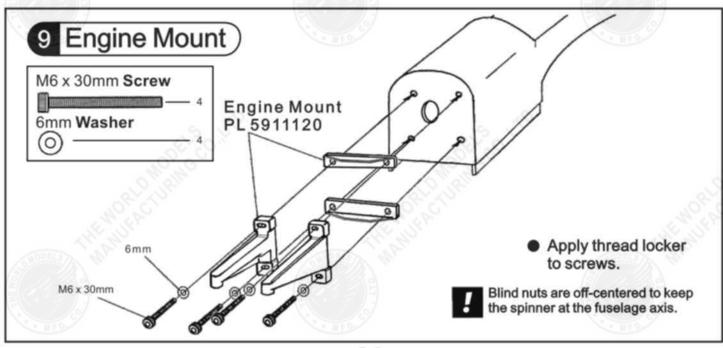


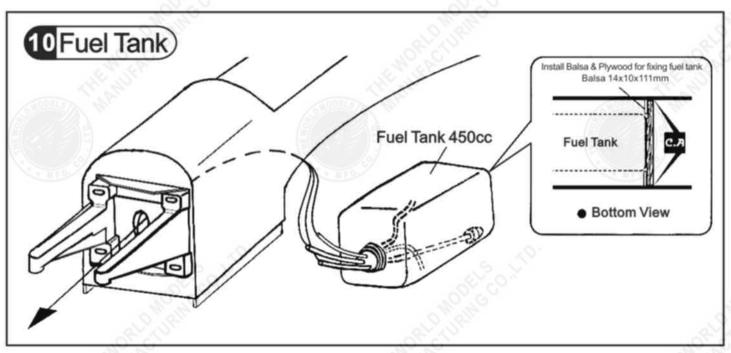


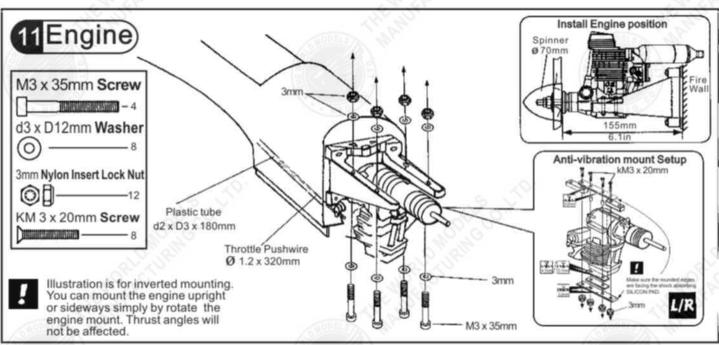


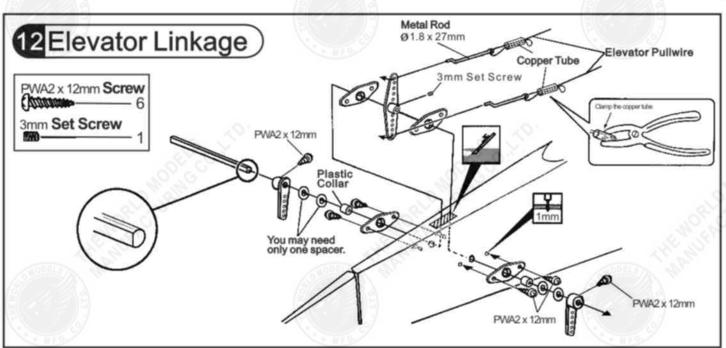


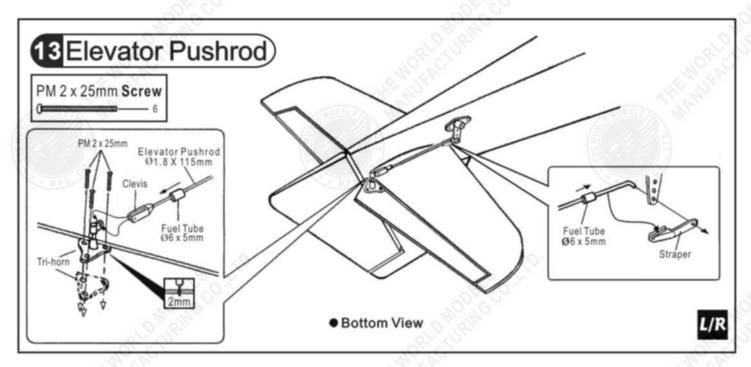


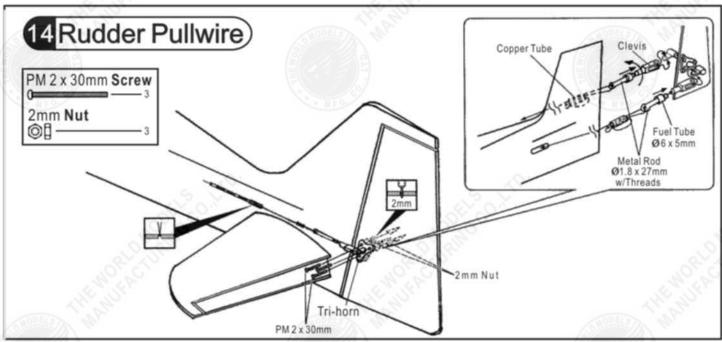


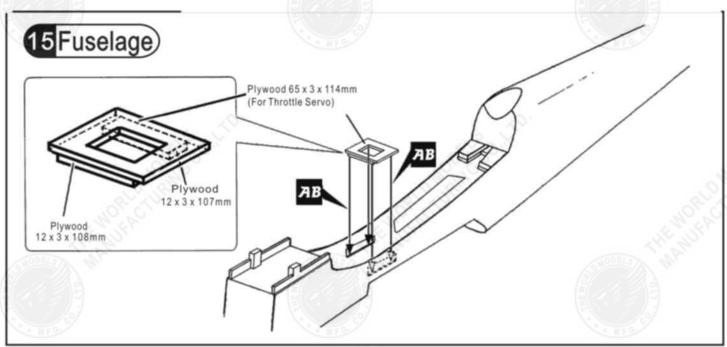


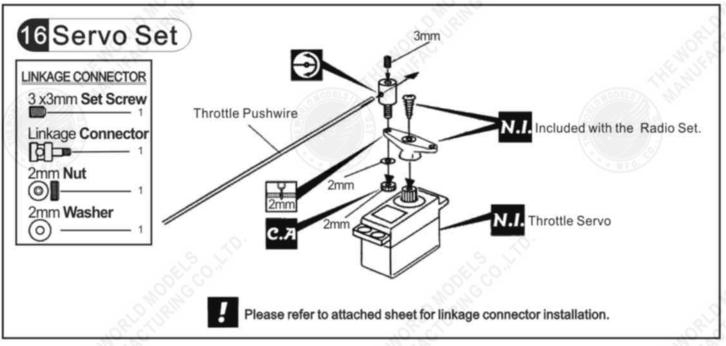


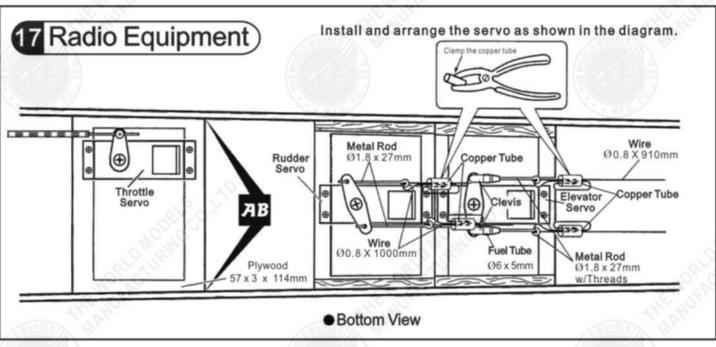


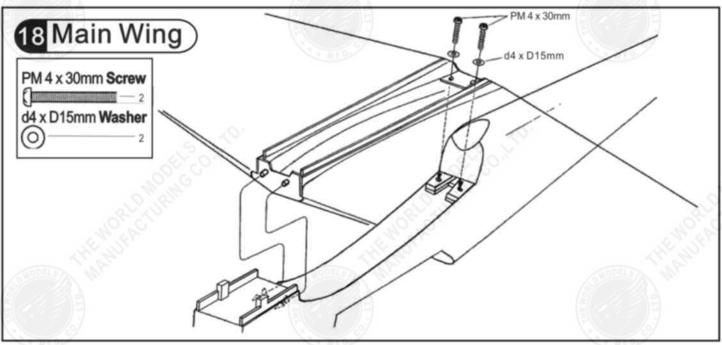


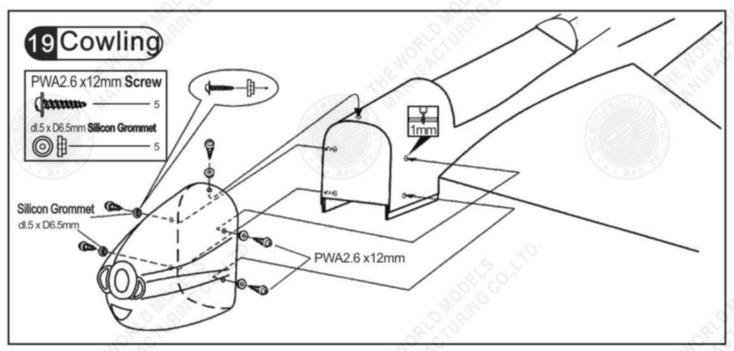


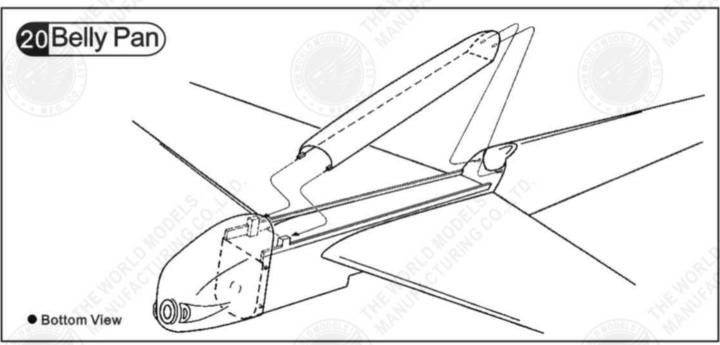


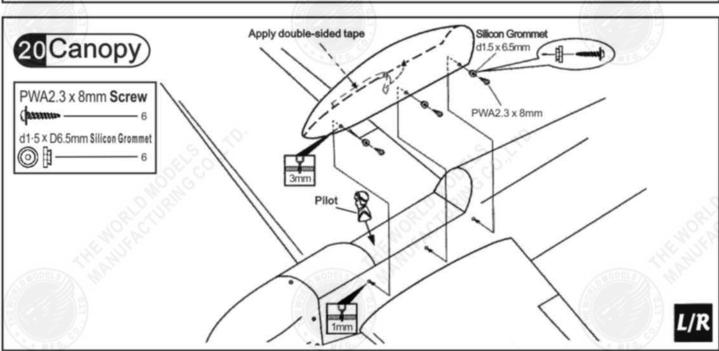


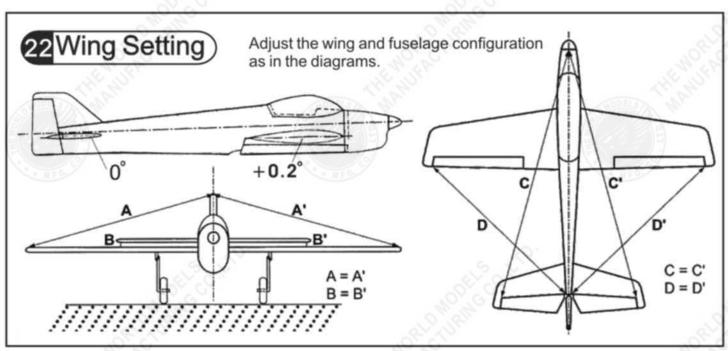


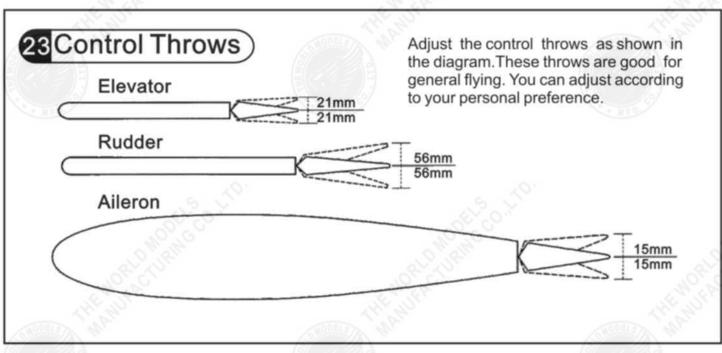


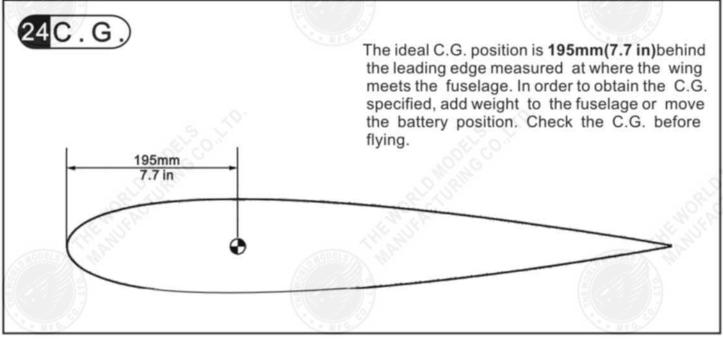


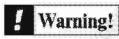






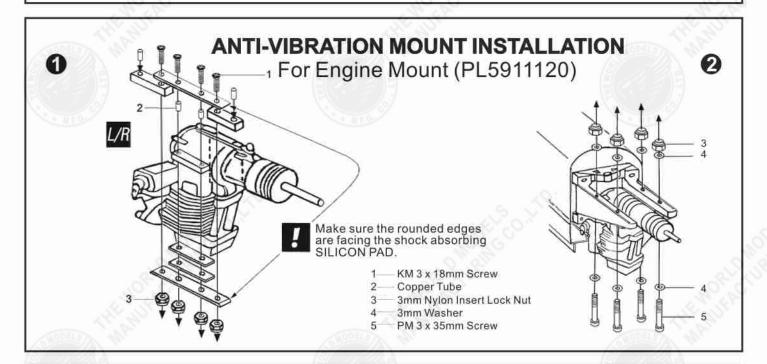






Important Safety Precautions

- # 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.
- #Zen 120 is specially designed to be powered by 2C 0.91 or 4C 1.20 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.



Landing gear

Should you need to bend the landing gear wire, use the radio control to open or close the gear to 25% from fully retracted position and switch off the receiver. It is safe to bend the wire in this position. Bending the wire in fully open position may damage the supporting structure.

