

Tai Ji - 40S



0.40 cu. in. displacement 2-cycle 0.52 cu. in. displacement 4-cycle

Radio required: 5 channels, 6 servos airplane radio

Specifications

Wing Span 55.0 in / 1400mm

Wing Area 584 sq. in. / 37.7 sq. dm

Flying Weight 5.5 lbs / 2600 g

Fuselage Length 55 in. / 1400mm

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.
- 3 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.

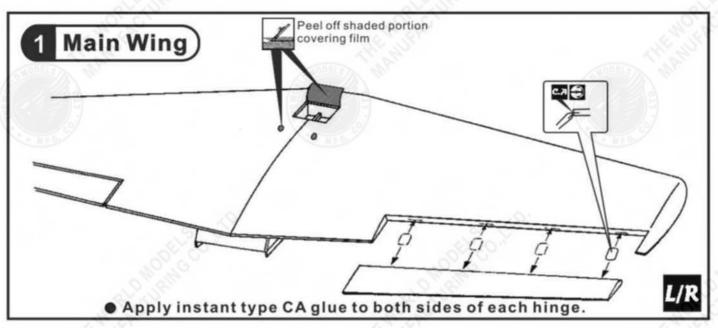
Do not overlook this symbol!

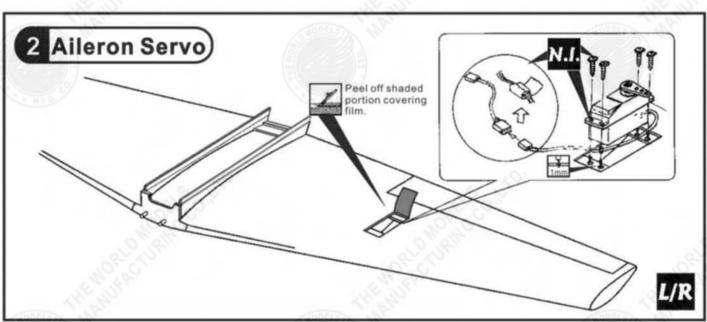


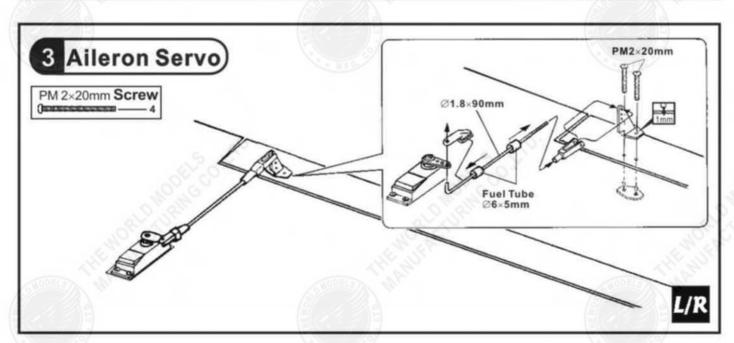
Parts List

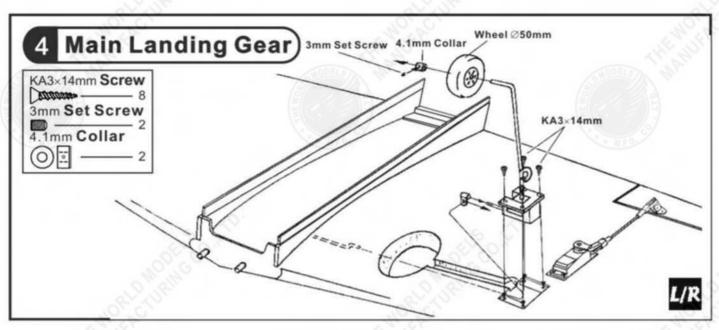
- 1.FUSELAGE -- 1 pc.
- 2.MAIN WING -- 1 pair
- 3.STABILIZER & ELEVATOR -- 1 set
- 4. VERTICAL FIN & RUDDER -- 1 set
- 5.CANOPY -- 1 set.
- 6.COWLING -- 1 pc.
- 7.PILOT(#PC001050B) 1 pc.
- 8.SPINNER Ø57mm -- 1 pc.
- 9.ENGINE MOUNT PL5111-050 -- 1 set
- 10.FUEL TANK 320cc -- 1 set
- 11.SPONGE 10×80×200mm(For Radio Equipment) -- 2 pcs
- 12. TAIL LANDING GEAR -- 1 set
- 13.MAIN WHEEL Ø50mm -- 2 pcs
- 14.TAIL WHEEL Ø23mm -- 1 pc
- 16.PUSHROD, PUSHWIRE & PULLWIRE:-COPPER TUBE d2.0 × D2.4×8mm (For Rudder) -- 4 pcs.
 METAL ROD Ø1.8 × 27mm (For Rudder) -- 2 pcs.
 METAL ROD Ø1.8 × 27mm w/Threads (For Rudder) -- 2 pcs
 METAL ROD Ø1.8 × 90mm w/Threads (For Aileron) -- 2pcs
 METAL ROD Ø1.8 × 120mm (For Elevator) -- 1pc
 METAL ROD Ø1.8 × 120mm (For Elevator) -- 1pc
 METAL ROD Ø1.8 × 175mm w/Threads (For Elevator) -- 1pc
 METAL ROD Ø1.8 × 180mm w/Threads (For Elevator) -- 1pc
 PLASTIC TUBE d2 × D3×50mm (For Rudder) -- 2pcs
 PLASTIC TUBE d2 × D3×800mm (For Elevator) -- 2pcs
 WOODEN ROD Ø8 × 580mm (For Elevator) -- 1pc
- 16.THROTTLE PUSHWIRE Ø1.2×410mm w/Plastic tube d2 x D3 x 240mm -- 1 set
- 17.METAL ROD Ø 1.8 x 105mm w/Plastic tube d2 x D3 x 105mm(For Belly Pan) -- 1 set

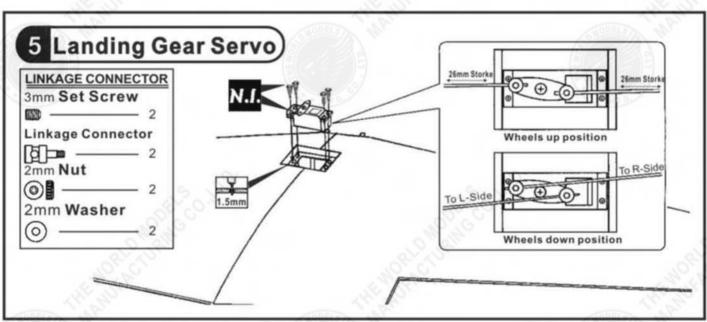
- 18.WOODEN PARTS: -BALSA 8 x 8 x 74.5 mm (For Fixing Fuel Tank) -- 1 pc.
 BALSA 5 x 5 x 57 mm (For Servos Stand) -- 4 pcs.
 BALSA 8 x 10 x 60 mm (For Rudder Servo Stand) -- 2 pcs.
 PLYWOOD 3 x 57 x 91 mm (Elevator Servo Stand) -- 2 pcs.
 PLYWOOD 3 x 60 x 88 mm (Elevator Servo Stand) -- 2 pcs.
- 19.PLASTIC PARTS: -CLEVIS -- 6 pcs
 HORN -- 4 sets
 HORN (w/o-Base For Rudder) -- 2 sets
 STRAPER -- 3 pcs
 SLEEVE (For Belly Pan) -- 2pcs
 SILICON GROMMET d1.5 x D6.5mm
 (For Cowling & Canopy) -- 10 pcs
- 20.METAL PARTS: -LINKAGE CONNECTOR 2.1mm -- 3 sets
 COLLAR 2.1mm w/set screw -- 1 set
 COLLAR 4.1mm w/set screw -- 2 sets
 NUT 2mm -- 2 pcs
 NUT 3.5mm -- 8 pcs
 SCREW PA3 x 12mm -- 2 pcs
 SCREW PM2 x 16mm -- 4 pcs
 SCREW PM2 x 20mm -- 6 pcs
 SCREW PM3.5 x 30mm -- 4 pcs
 SCREW PM4 x 25mm -- 4 pcs
 SCREW PM4 x 35mm -- 2 pcs
 SCREW PW4 x 35mm -- 6 pcs
 SCREW PW4 x 35mm -- 4 pcs
 WASHER d4 x D9mm -- 4 pcs
 WASHER d4 x D9mm -- 4 pcs
 WASHER d4 x D9mm -- 2 pcs
- 21.FUEL TUBE Ø 6 x 5mm: -- 9 pcs HEAT-SHRINK TUBE Ø8 x 40mm -- 2 pcs
- 22.DECALS (P/N:ST200 058) -- 1 set

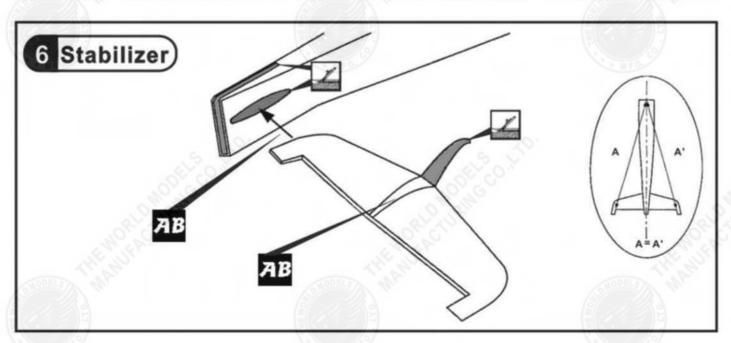


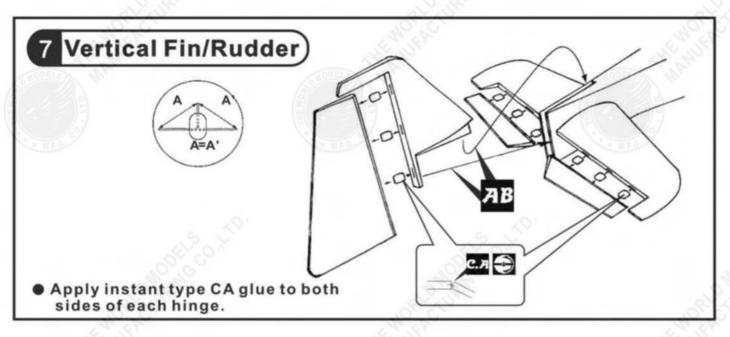


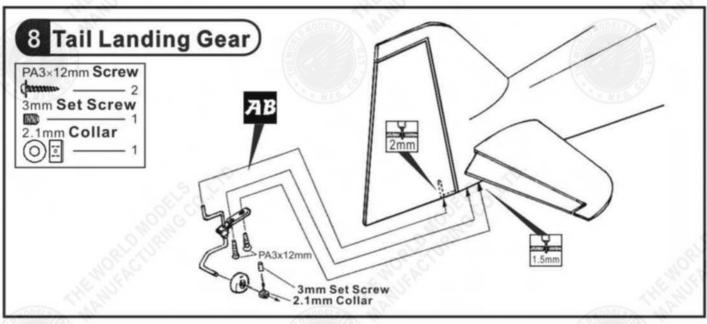


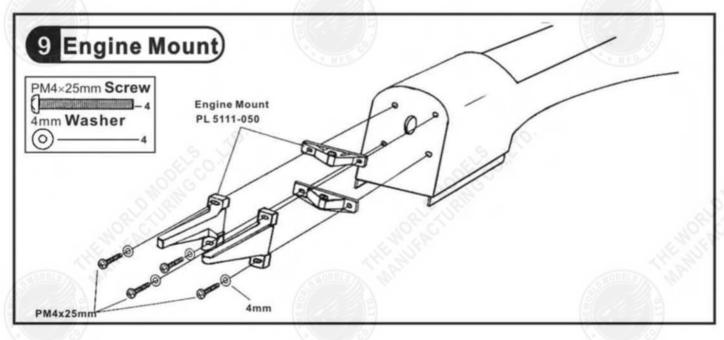


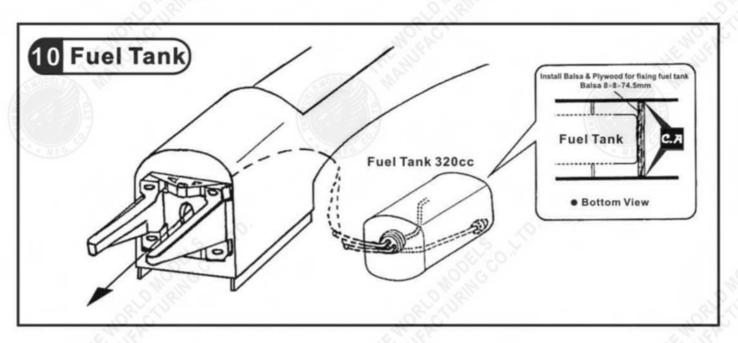


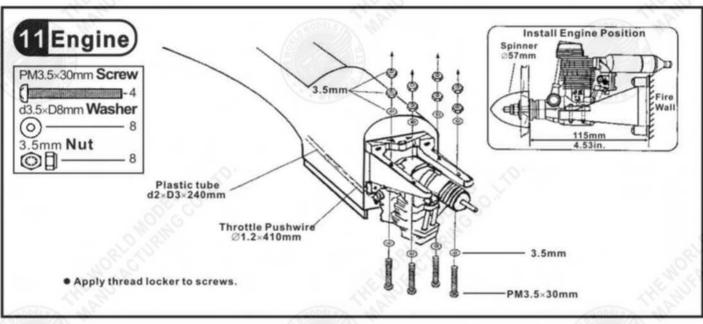


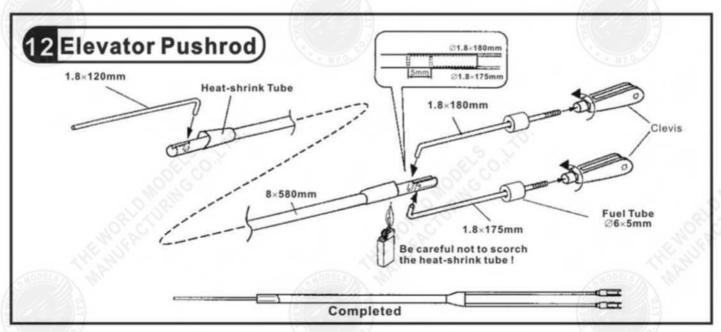


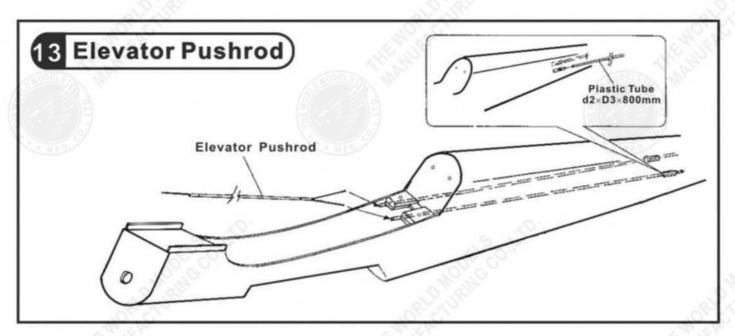


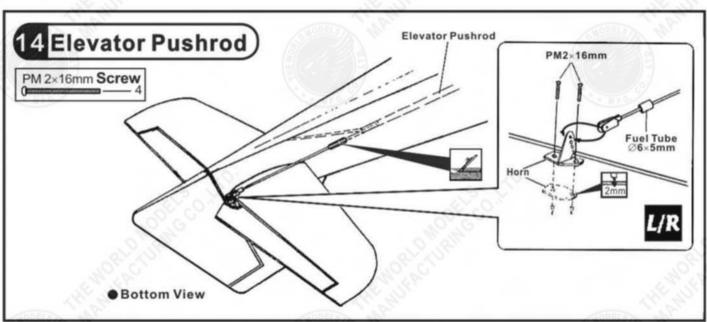


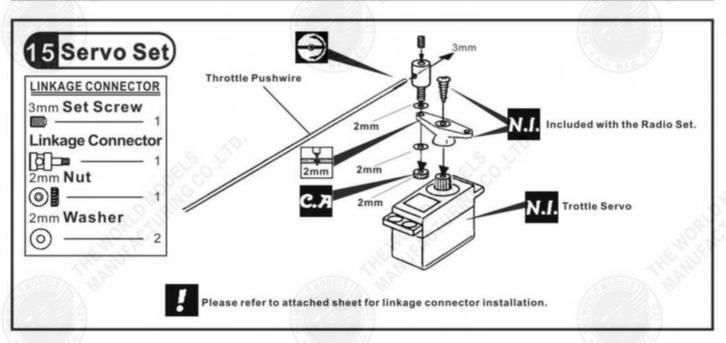


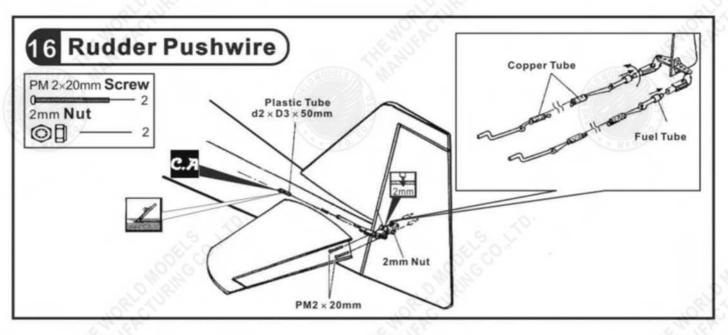


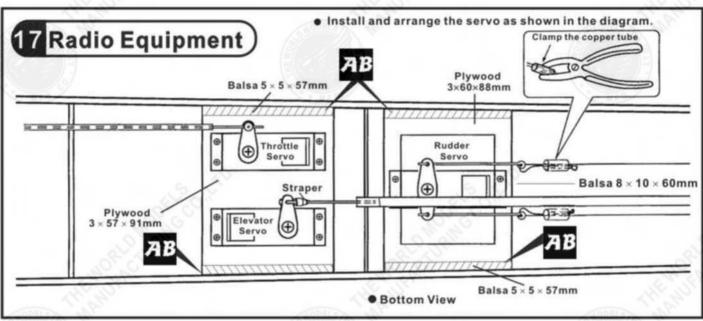


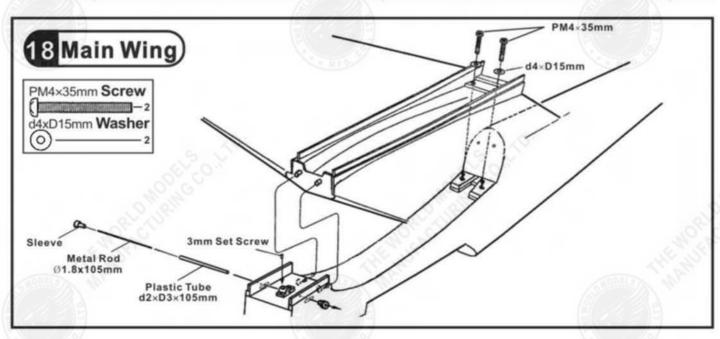


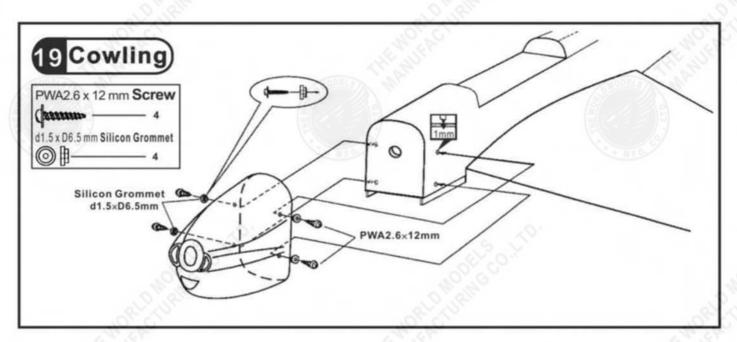


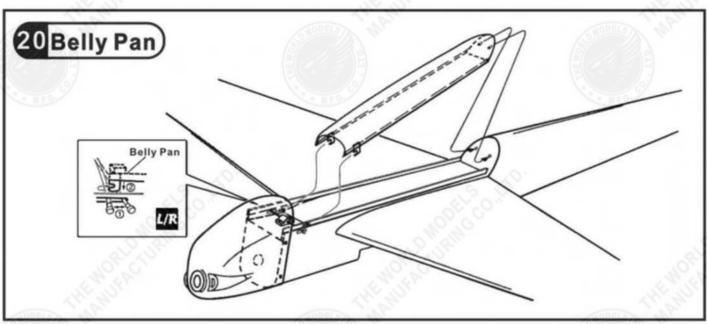


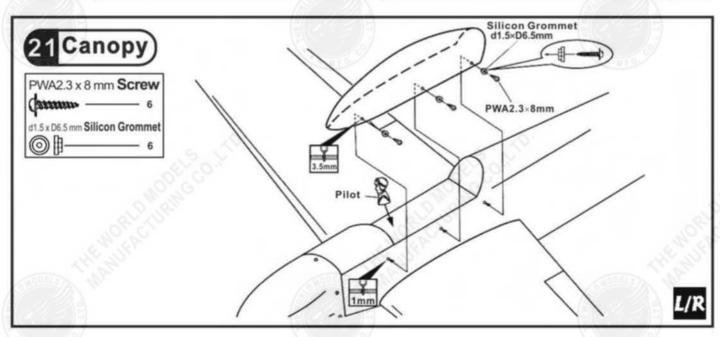


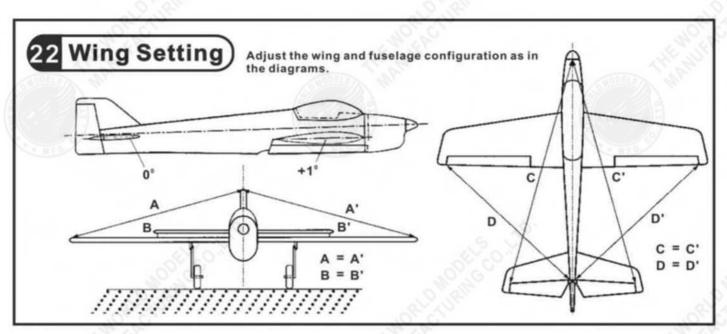


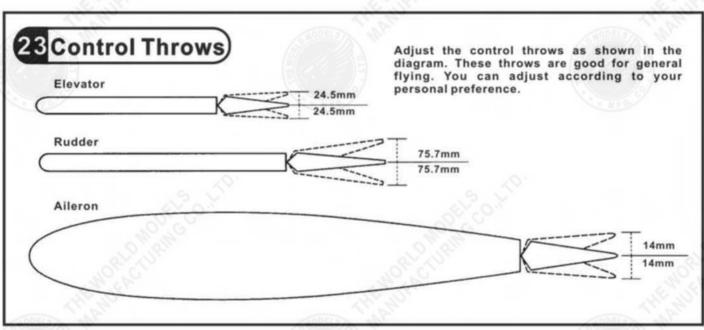


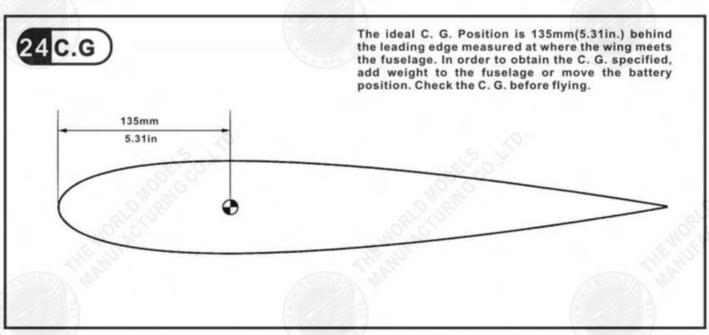


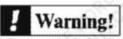












Important Safety Precautions

#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.

#Tai Ji-40S is specially designed to be powered by 2C 0.40 or 4C 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.

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Usage of the transparent 3D template

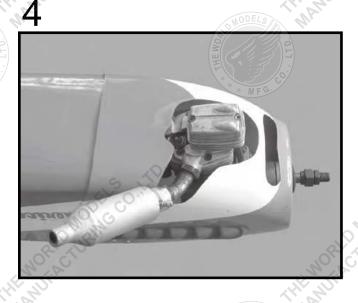


This transparent 3D template is used for position guidance of the actual cutting of the pre-painted cowling.









Simply cut the transparent 3D template to fit your engine and exhaust pipe, then slide onto the actual cowling and use as template to mark the openings required for final cutting.