





0.61 cubic inch displacement 2-stroke 0.91 cubic inch displacement 4-stroke Requires: 7-channel radio w/ 6 standard servos and 2 low profile retract servos.

Specifications

Wing Span
Wing Area
Flying Weight
Fuselage Length

63 in / 1600 mm

627.8 sq in / 40.5 sq dm

7.2 ~ 7.6 lbs / 3290 ~ 3440 g

54 in / 1370 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.



FACTORY PRE-FABRICATED ALMOST-READY-TO-FLY (ARF) SERIES MADE IN CHINA

TUCANO 60

INDEX

BEFORE YOU BEGIN	P.1
PARTS LIST	P. 2
ASSEMBLY	P.3-P.12
SAFETY PRECAUTIONS	P.13

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 : -



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!

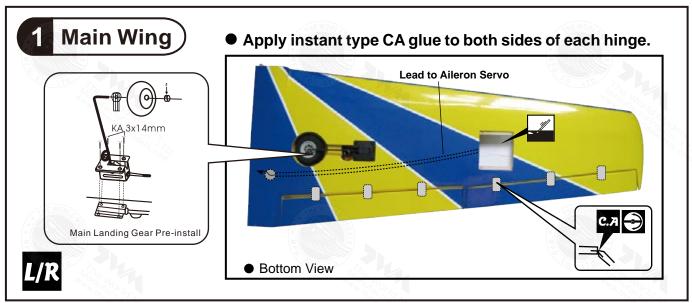


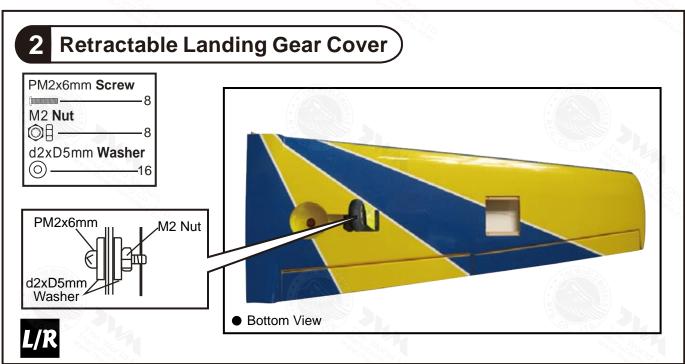
Parts List

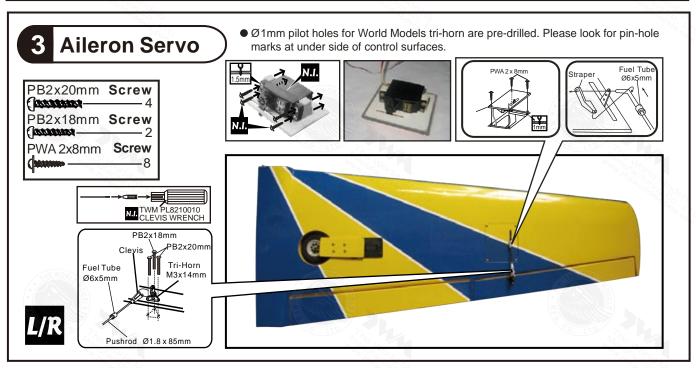
- 1. MAIN WING -- 1 pair
- 2. RETRACTABLE LANDING GEAR -- 1 pair RETRACTABLE LANDING GEAR COVER -- 1 pair SCREW PM2x6mm -- 8 pcs M2 NUT -- 8 pcs WASHER d2xD5mm -- 16 pcs
- 3. SERVO MOUNTING PANEL 2x68x78mm PL5310000 -- 1 pair SCREW PB2x18mm -- 2 pcs SCREW PB2x20mm -- 4 pcs SCREW PW42x8mm -- 8 pcs SCREW PW42x8mm -- 8 pcs TRI-HORN M3x14mm (S) PL4111221 -- 2 sets PUSHROD Ø1.8x85mm (For Aileron Servos) -- 2 pcs STRAPER PL4112102 -- 2 pcs CLEVIS PL4112103 -- 2 pcs FUEL TUBE Ø6x5mm -- 4 pcs
- 4. WING JOINER 8x23.6.x280mm (Wood) -- 1 pc.
- 5. PUSHROD Ø1.8x77mm w/ Threads (For Flap Servo) -- 1 pc. LINKAGE CONNECTOR 2.1mm HW7111060 -- 2 sets CLEVIS PL4112103 -- 2 pcs STRAPER PL4112102 -- 1 pc. FUEL TUBE Ø6x5mm -- 3 pcs RING Ø2.6mm PL4112026 -- 2 pcs PLYWOOD 3x28x62mm -- 1 pc.
- 6. FUSELAGE -- 1 pc. STABILIZER & ELEVATOR -- 1 set BALSA 8x25x105.6mm (For Stabilizer) -- 2 pcs
- 7. VERTICAL FIN & RUDDER -- 1 set VERTICAL WING'S FIN 3x40x60mm -- 1 pc.
- 8. SCREW PB2x14mm -- 6 pcs PUSHROD Ø1.8x610mm w/ Threads (For Elevator Servo) -- 2 pcs TRI-HORN M3x14mm (S) PL4111221 -- 2 sets CLEVIS PL4112103 -- 2 pcs FUEL TUBE Ø6x5mm -- 2 pcs
- 9. SCREW PB2x12mm -- 3 pcs PUSHROD Ø1.8x705mm w/ Threads (For Rudder Servo) -- 1 pc. TRI-HORN M3x14 mm (S) PL4111221 -- 1 set CLEVIS PL4112103 -- 1 pc. FUEL TUBE Ø6x5mm -- 1 pc.
- 10. MECHANICAL NOSE RETRACT -- 1 set
 PUSHROD Ø1.8x370mm w/ Threads -- 1 pc.
 PUSHROD Ø1.8x295mm w/ Threads -- 1 pc.
 PLASTIC TUBE d3.5xD5.2x240mm -- 1 pc.
 COLLAR Ø4.1mm w/ Set Screw -- 1 set
 SCREW KA3x14mm -- 4 pcs
 CLEVIS PL4112103 -- 2 pcs
 FUEL TUBE Ø6x5mm -- 2 pcs
 NOSE WHEEL Ø50mm -- 1 pc.
 RIGHT ANGLE WHEEL SPACER PL4121040 -- 1 set

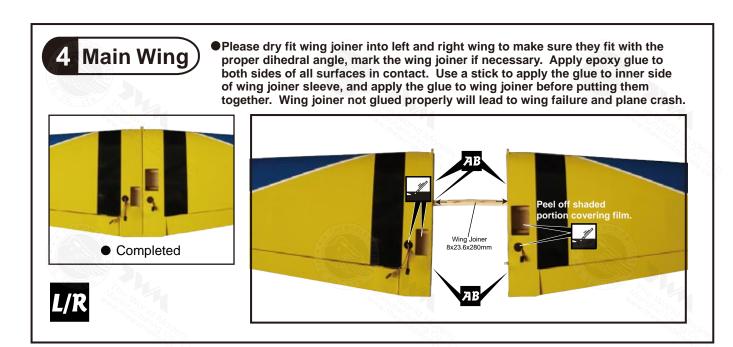
- WASHER d4xD9mm -- 4 pcs ENGINE MOUNT PL5111070 -- 1 set WOOD 7x16x76mm (For Engine Mount) -- 2 pcs
- 12. FUEL TANK 380cc PL1111380 -- 1 set CABLE TIE (For Fuel Tank) 1.5x5x400mm -- 1 pc. DOUBLE-SIDED TAPE 40x100mm -- 1 pc.
- 13. THROTTLE PUSHWIRE Ø1.2x435mm -- 1 pc. PLASTIC TUBE d2xd3x230mm -- 1 pc. SOCKET HEAD SCREW M4x30mm -- 4 pcs WASHER d4xD9mm -- 8 pcs M4 NUT -- 8 pcs
- 14. COWLING -- 1 pc.
 EXHAUST -- 2 pcs
 TRANSPARENT 3D TEMPLATE -- 1 pc.
 SCREW PWA2.6x10mm -- 4 pcs
 SILICON GROMMET d1.5xD6.5mm -- 4 pcs
 SPINNER Ø62mm PL2111062 -- 1 set
- 15. CANOPY -- 1 pc.
 SCREW PWA2.3x8mm -- 6 pcs
 SILICON GROMMET d1.5xD6.5mm -- 6 pcs
 PILOT PC001063A/B -- 2 pcs
 FRONT INSTRUMENT PANEL -- 1 pc.
 SEAT -- 2 pcs
- 16. LINKAGE CONNECTOR 2.1mm HW7111060 -- 3 sets
- 17. FUEL TUBE Ø6x5mm -- 2 pcs STRAPER PL4112102 -- 2 pcs SPONGE 10x80x200mm -- 2 pcs PUSHROD Ø1.8x80mm (For Elevator) -- 1 pc. PUSHROD CONNECTOR PL4410010 -- 1 set PLYWOOD 2x58.9x132.6mm -- 1 pc. BALSA 10x10x58.9mm -- 2 pcs PLYWOOD 3x20x32mm -- 1 pc. PLYWOOD 3x20x32mm -- 1 pc.
- 18. SCREW HM4x40mm -- 2 pcs SCREW PWA2x8mm -- 4 pcs WASHER d4xD15mm -- 2 pcs PLATE 1x40x110mm (Wing Protection) -- 1 pc. BALSA 2x55x92mm -- 1 pc. PLYWOOD 3x9x54mm -- 1 pc. PLYWOOD 3x8x47.8mm -- 1 pc. PLYWOOD 3x20x60mm -- 1 pc.
- 19. DECALS A274DEC -- 1 set
 - COVERING:-1) TUCANO AFA:
 TOUGHLON STL 322 DARK ORANGE
 TOUGHLON STL 100 WHITE
 LIGHTEX SGX 322 DARK ORANGE
 LIGHTEX SGX 201 BLACK
 - 2) TUCANO SMOKE SQUADRON: TOUGHLON STL 250 BLUE TOUGHLON STL 330 CADMIUM YELLOW LIGHTEX SGX 250 BLUE LIGHTEX SGX 330 CADMIUM YELLOW LIGHTEX SGX 240 GREEN LIGHTEX SGX 201 BLACK LIGHTEX SGX 100 WHITE

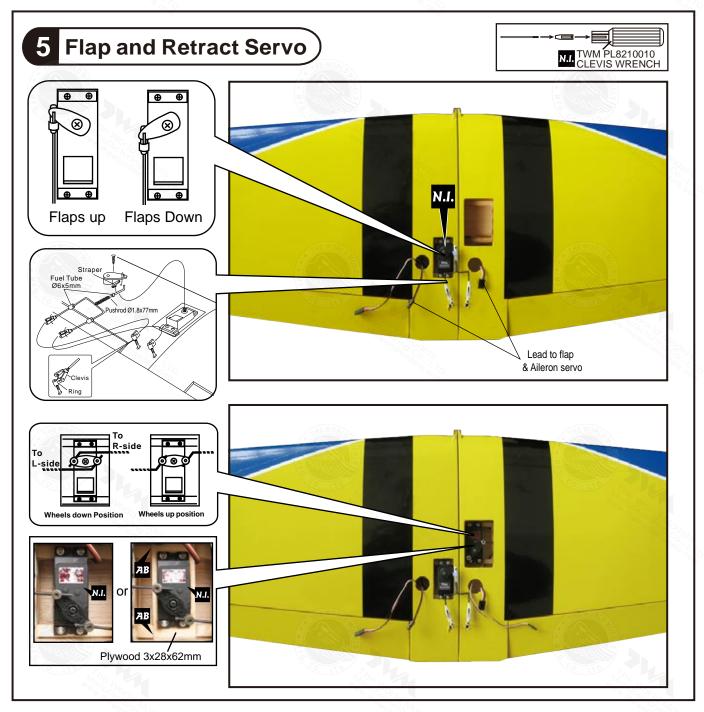
11. SOCKET HEAD SCREW M4x30mm -- 4 pcs



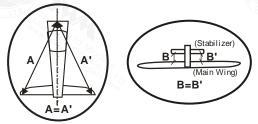






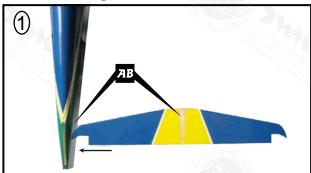


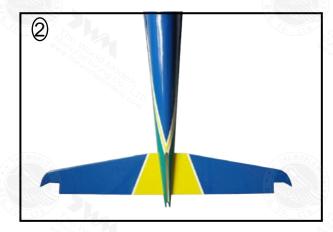


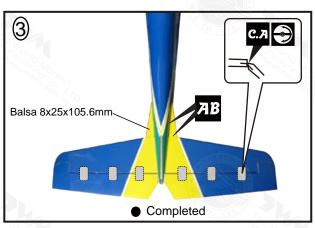


Temporary install the main wing, adjust leveling of the stabilizer to make it as parallel to the main wing as possible

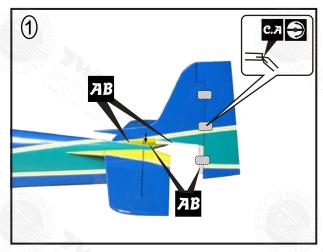


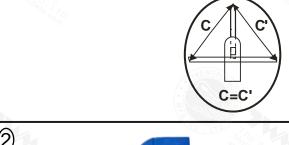




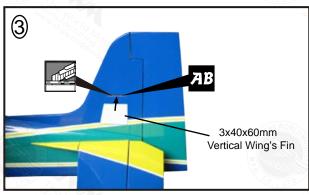


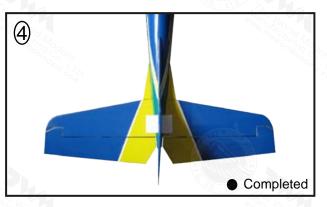
7 Vertical Fin & Rudder

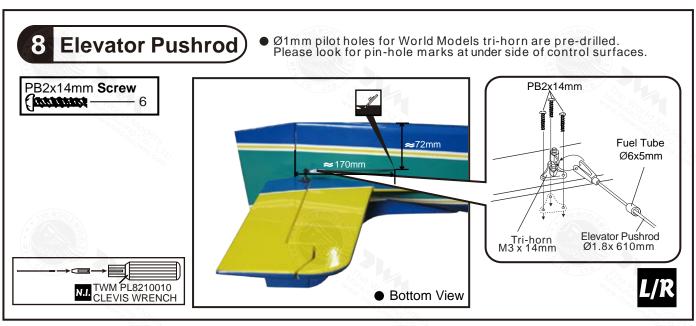


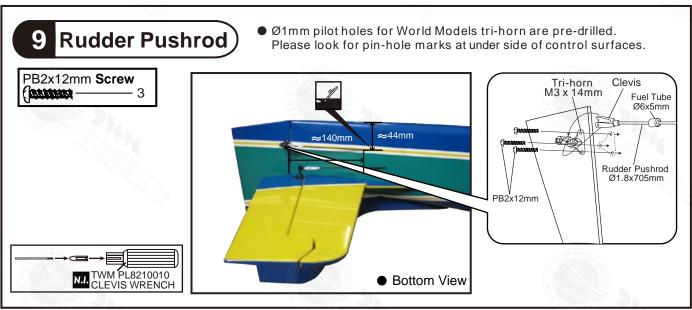


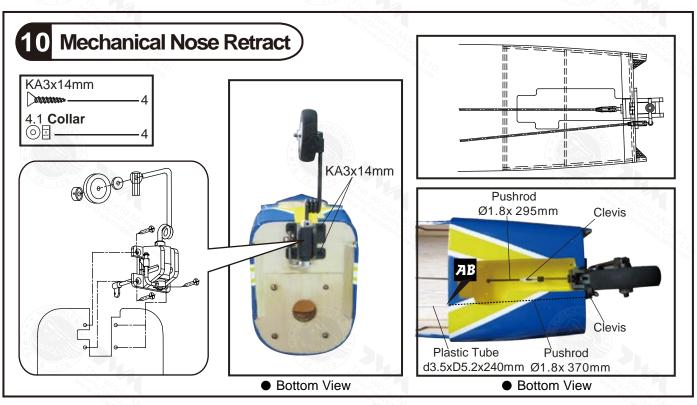


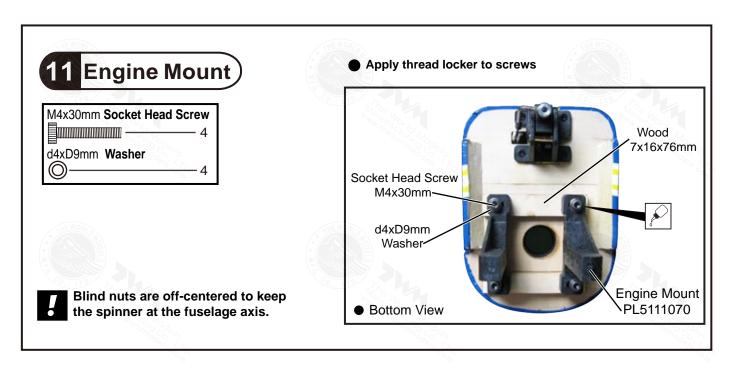


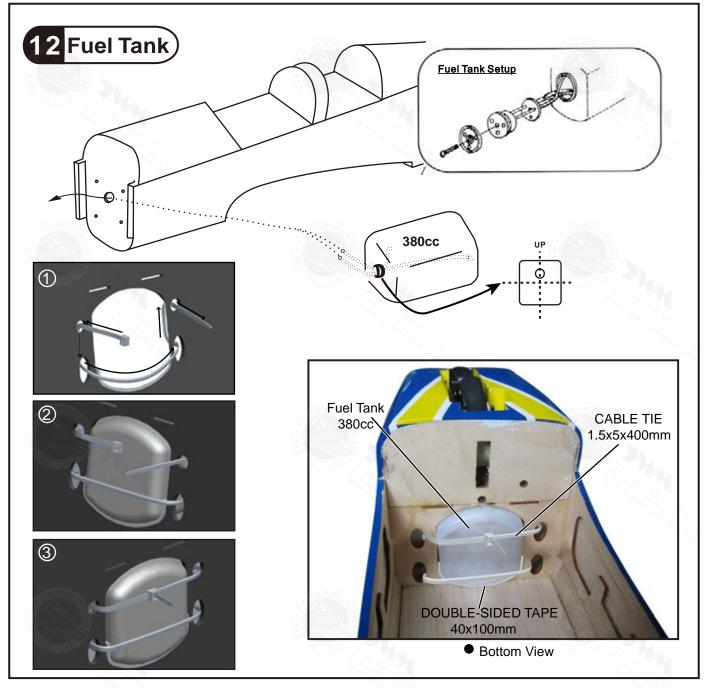




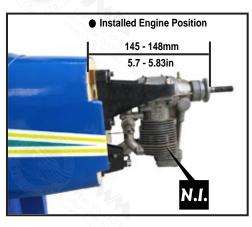


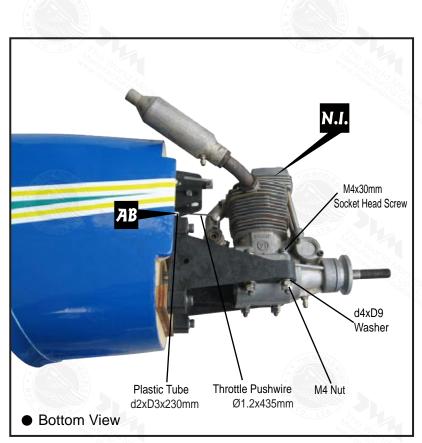




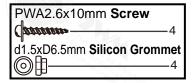


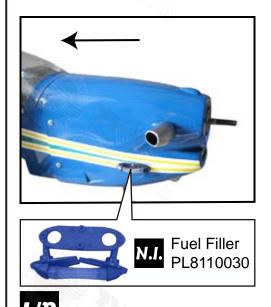




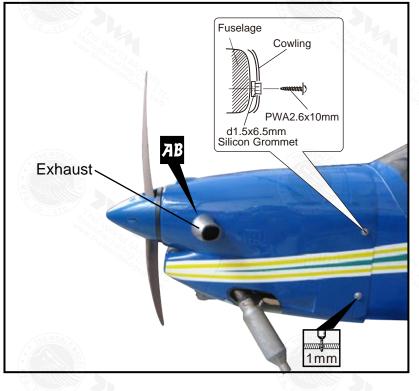


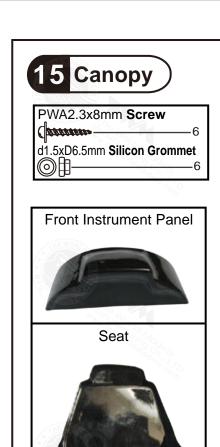


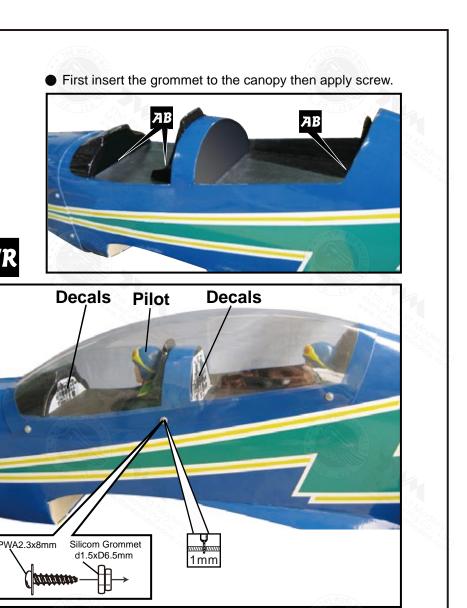


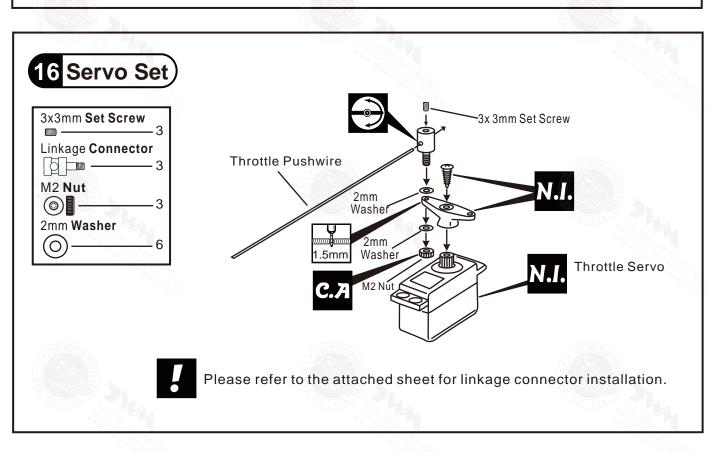


- Please refer to the attached sheet for usage of the transparent 3D template.
- First insert the grommet to the cowling then apply screw.





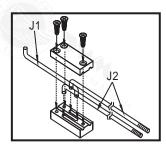


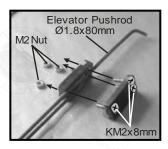


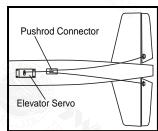
17 Radio Equipment

J1(Pushrod Ø1.8x80mm)

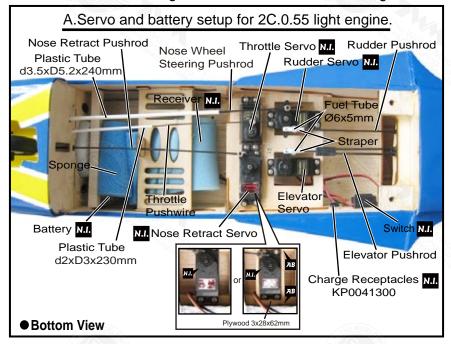
J2(Pushrod Ø1.8x610mm)

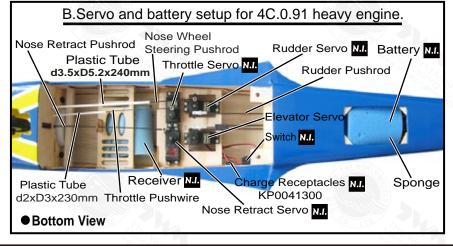




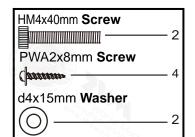


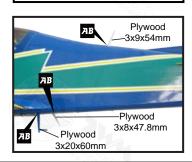
• Install and arrange the servo as shown in the diagram.

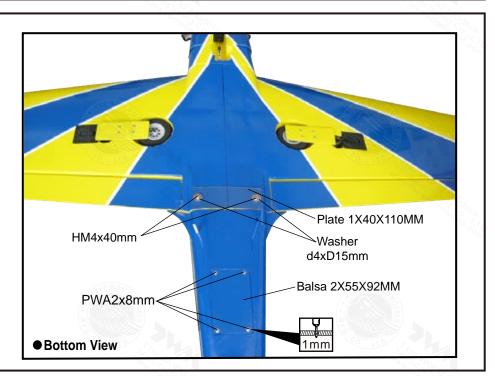








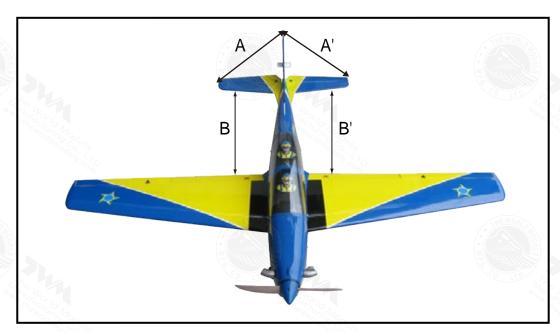


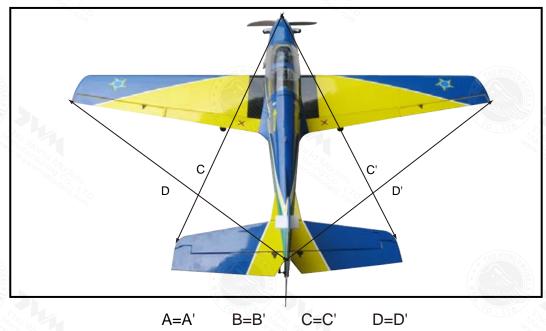


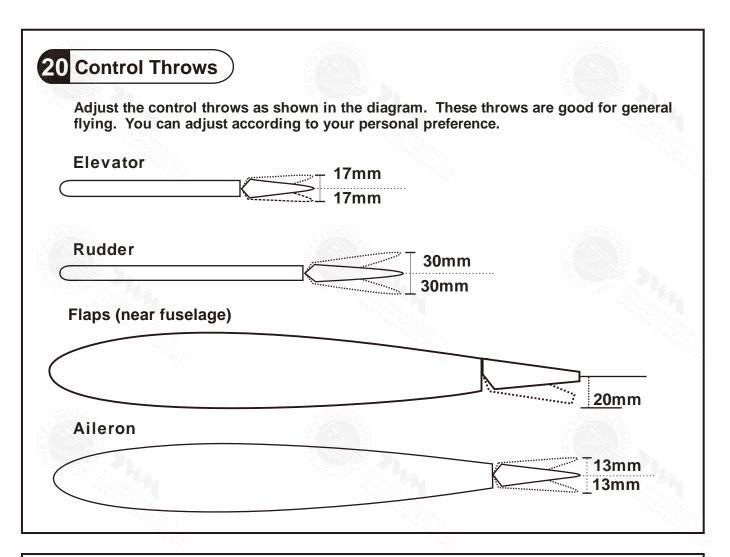


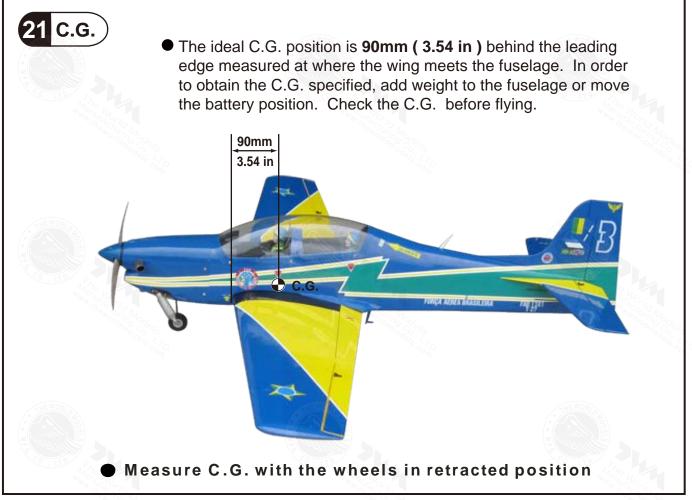
Adjust the wing and fuselage configuration as shown in the diagrams.







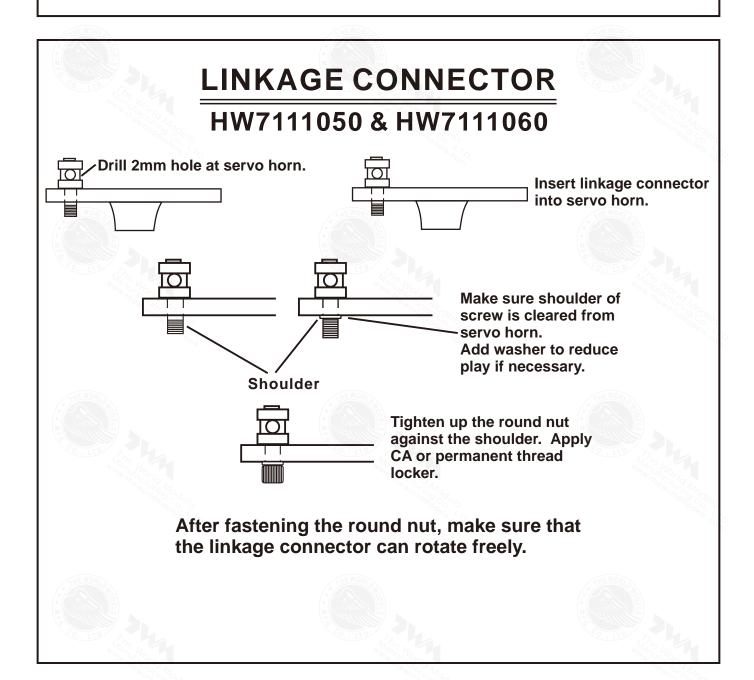






Important Safety Precautions

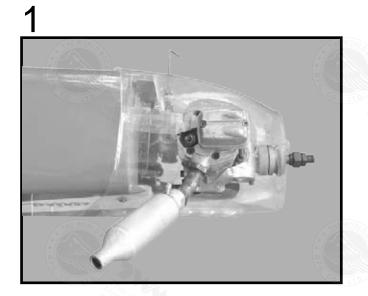
- # First time flyer should never fly by himself / herself. Assistance from experienced flyer is absolutely necessary.
- # Pre flight adjustment must be done before flying, it is very dangerous to fly a badly pre adjusted aircraft.
- # TUCANO 60 is specially designed to be powered by 2C 0.61 or 4C 0.91 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. Don't use hot iron near the seams or edges, hot iron will melt the glue and shrink the covering at the same time, causing the seams to pull away.
- # Check and re-tighten up all factory assembled screws, use thread locker if necessary.

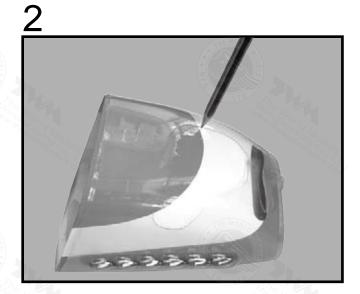


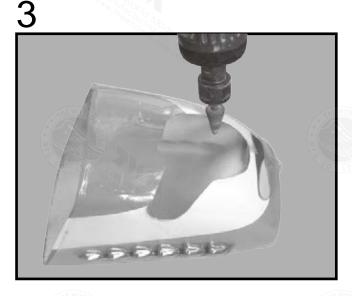
Usage of the transparent 3D template

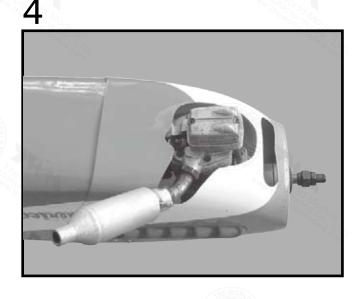


This transparent 3D template is used for position guidance of the actual cutting of the pre-painted cowling.

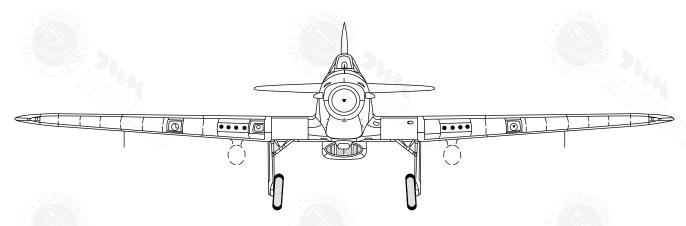








Simply cut the transparent 3D template to fit your engine and exhaust pipe, then slide onto the actual cowling and use as template to mark the openings required for final cutting.



Ducted Fan

Pattern

Warbirds

Funfly

Scale

Electric

Sports

Glider

Trainer

Boat

Accessories

Covering

(Lightex / Toughlon)

