

Tai Ji - 60

INSTRUCTION
MANUAL



0.61 cubic inch displacement 2-cycle
0.91 cubic inch displacement 4-cycle
Radio required : 5 channels, 6 servos airplane radio

Specifications

Wing Span	67in / 1700 mm
Wing Area	817 sq.in / 52.7 sq.dm
Flying Weight	7.9 lbs / 3600g
Fuselage Length	67 in / 1700mm

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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INDEX

BEFORE YOU BEGIN	P.1
PARTS LIST	P.2
ASSEMBLY	P.3-10
SAFETY PRECAUTIONS	P.11

BEFORE YOU BEGIN

- 1 Read through the manual before you begin, so you will have an overall idea of what to do.
- 2 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.



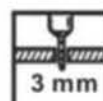
Ensure smooth non-binding
movement while assembling.



Peel off shaded portion
covering film.



Cut off shaded portion.



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



Must be purchased separately!



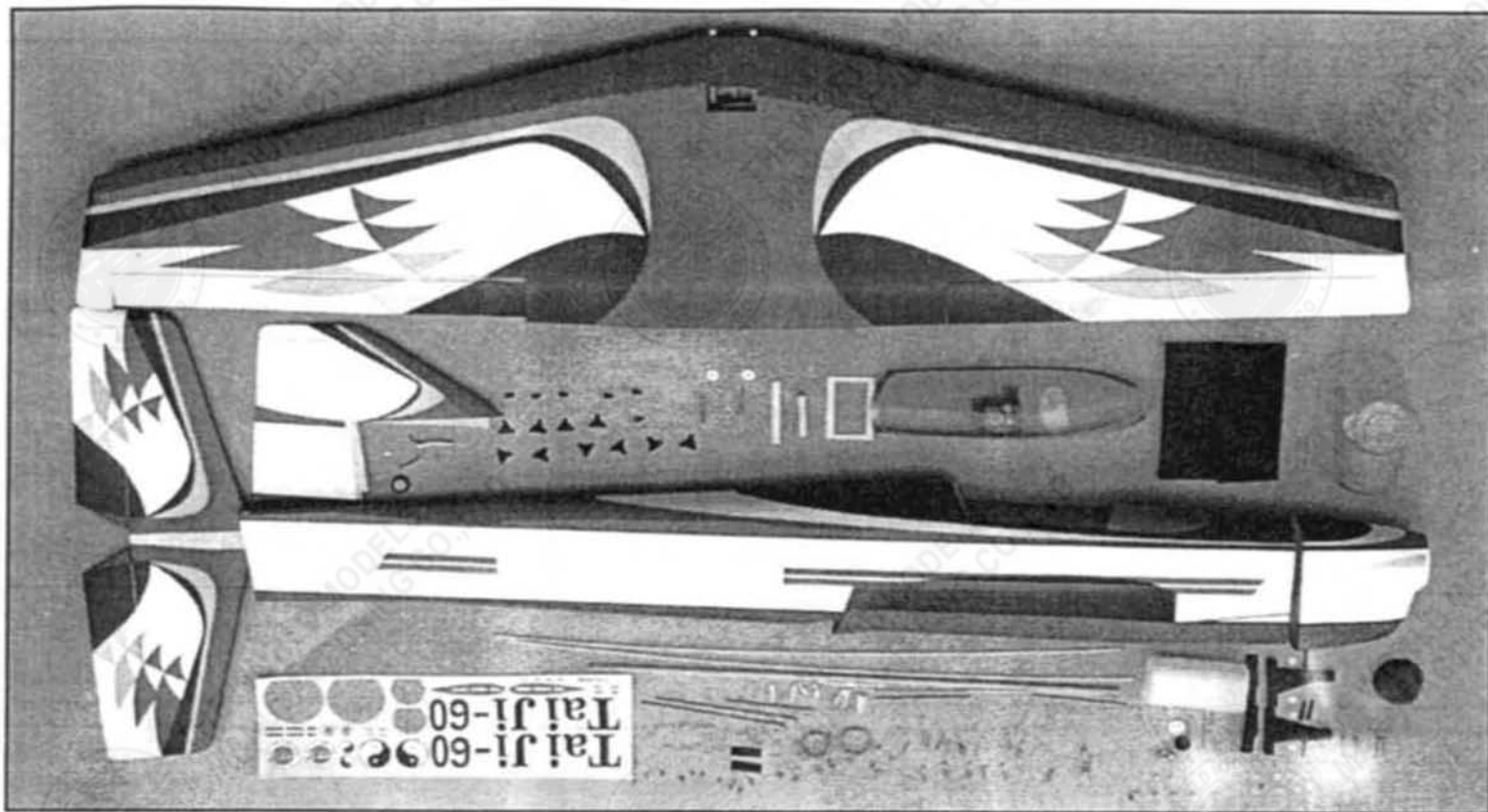
Pay close attention here!



Do not overlook this symbol!



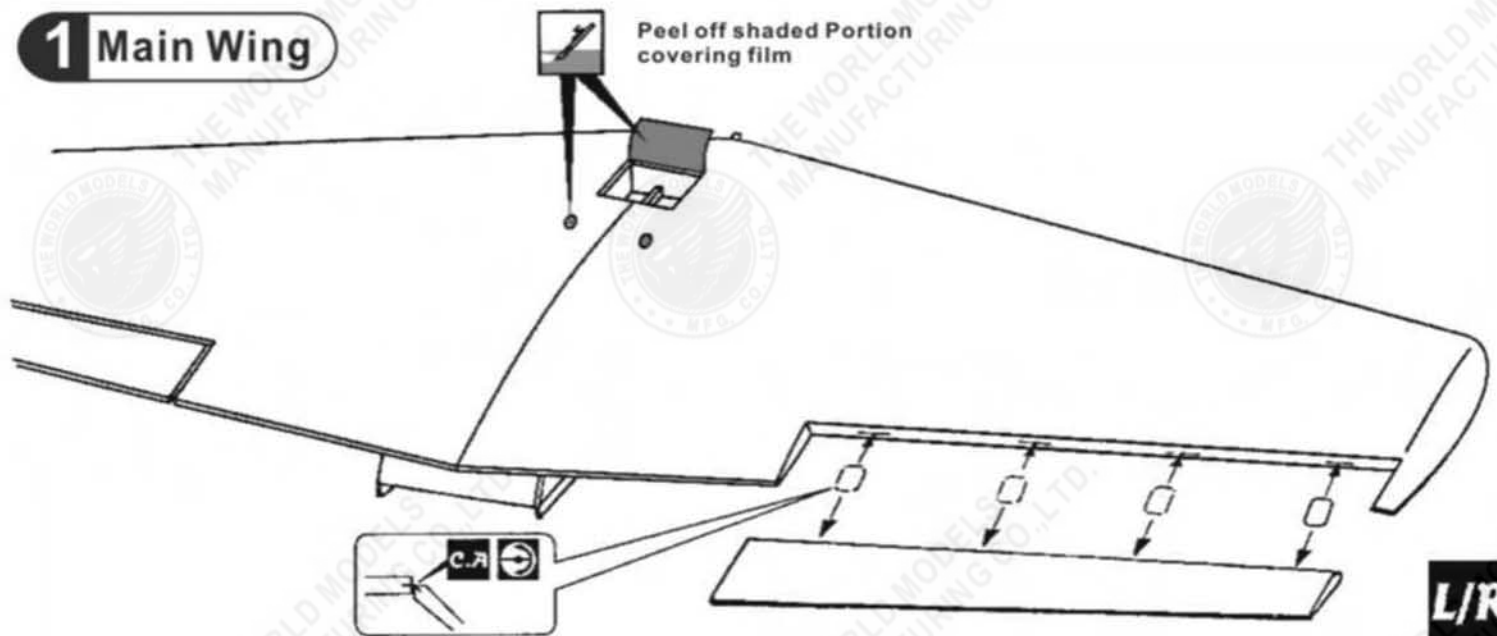
Pierce the shaded portion
covering film.



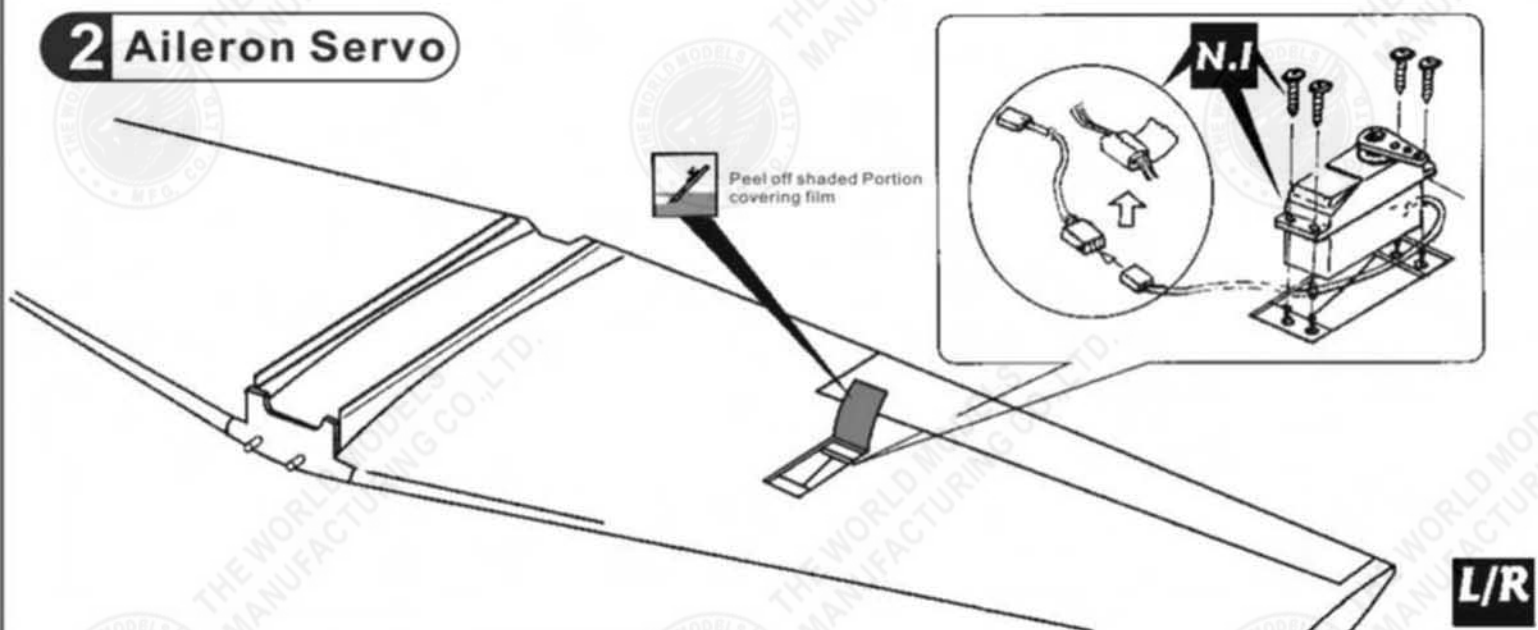
Parts list

1. FUSELAGE -- 1 set
2. MAIN WING -- 1 pair
3. STABILIZER & ELEVATOR -- 1 set
4. VERTICAL FIN & RUDDER -- 1 set
5. CANOPY -- 1 set.
6. COWLING -- 1 PC.
TRANSPARENT DUMMY COWLING -- 1 PC.
7. PILOT (#PC001063A) -- 1 pc.
8. SPINNER Ø70mm -- 1 pc.
9. ENGINE MOUNT PL5111-070 -- 1 set
10. FUEL TANK 380cc -- 1 set
11. SPONGE 10 x 80 x 200 (For Radio Equipment) -- 2 pcs
12. MAIN WHEEL Ø57mm -- 2 pcs
13. TAIL LANDING GEAR -- 1 set
14. TAIL WHEEL Ø25mm -- 1 pc
15. PUSH ROD, PUSH WIRE & PULL WIRE:--
COPPER TUBE d2.0 x D2.4 x 8mm (For Rudder) -- 4 pcs
METAL ROD Ø1.8 x 27mm (For Rudder) -- 2 pcs
METAL ROD Ø1.8 x 27mm w/Threads (For Rudder) -- 2 pcs
METAL ROD Ø1.8 x 125mm w/Threads (For Aileron) -- 2 pcs
METAL ROD Ø1.8 x 120mm (For Elevator) -- 1 pc
METAL ROD Ø1.8 x 190mm w/Threads (For Elevator) -- 1 pc.
METAL ROD Ø1.8 x 195mm w/Threads (For Elevator) -- 1 pc.
PLASTIC TUBE d2 x D3 x 50mm (For Rudder) -- 2 pcs
PLASTIC TUBE d2 x D3 x 830mm (For Elevator) -- 2 pcs
WIRE Ø0.8 X 950mm (For Rudder) -- 2 pcs
WOODEN ROD Ø8 x 700mm (For Elevator) -- 1 pc.
METAL ROD Ø1.8 x 123mm -- 1 pc.
w/Plastic tube d2 x D3 x 123mm -- 1 set
16. THROTTLE PUSH WIRE Ø1.2 x 320mm
w/Plastic tube d2 x D3 x 180mm -- 1 set
17. WOODEN PARTS:--
BALSA 10 X 10 X 60mm (For Fixing Fuel Tank) -- 1 pc.
PLYWOOD 3 X 8 X 16mm (For Wing Cover) -- 10 pcs
PLYWOOD 3 x 10 x 91mm (For Fixing Fuel Tank) -- 1 pc.
PLYWOOD 3 X 61 X 91mm (For Throttle Servo) -- 1 pc.
18. PLASTIC PARTS:--
CLIPPER -- 6 pcs
TRI-HORN M3 x 14mm (L) -- 4 sets
TRI-HORN M3 x 14mm (L) (Non-Base For Rudder) -- 2 sets
STRAPER -- 3 pcs
Cowling screw plate Ø9 -- 5 pcs
Plastic tube -- 2 pcs
19. METAL PARTS:--
ADJUSTER 2.1mm -- 3 sets
COLLAR 2.1mm w/set screw -- 1 set
COLLAR 4.1mm w/set screw -- 2 sets
NUT 2mm -- 3 pcs
NUT 4mm -- 8 pcs
SCREW PA3 x 12mm -- 2 pcs
SCREW PM2 x 20mm -- 6 pcs
SCREW PM2 x 25mm -- 9 pcs
SCREW PM4 x 25mm -- 4 pcs
SCREW PM4 x 30mm -- 4 pcs
SCREW PM4 x 35mm -- 2 pcs
SCREW PWA2.3 x 8mm -- 8 pcs
SCREW PWA2.6 x 12mm -- 5 pcs
WASHER d4 x D9mm -- 12 pcs
WASHER d4 x D15mm -- 2 pcs
20. FUEL TUBE Ø6 x 5mm -- 9 pcs
21. HEAT-SHRINK TUBE Ø8 X 40 -- 2 pcs
22. FUSELAGE STICKER & LOGO -- 1 set
21. P/N: ST200 022 -- 1 set

1 Main Wing



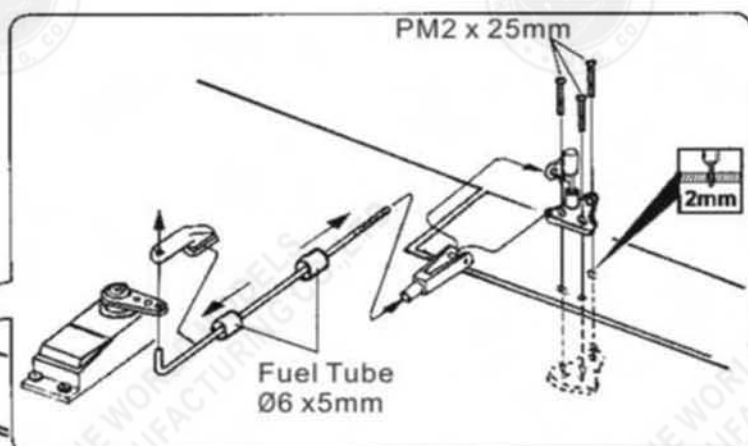
2 Aileron Servo



3 Aileron Servo

PM2 x 25mm Screw

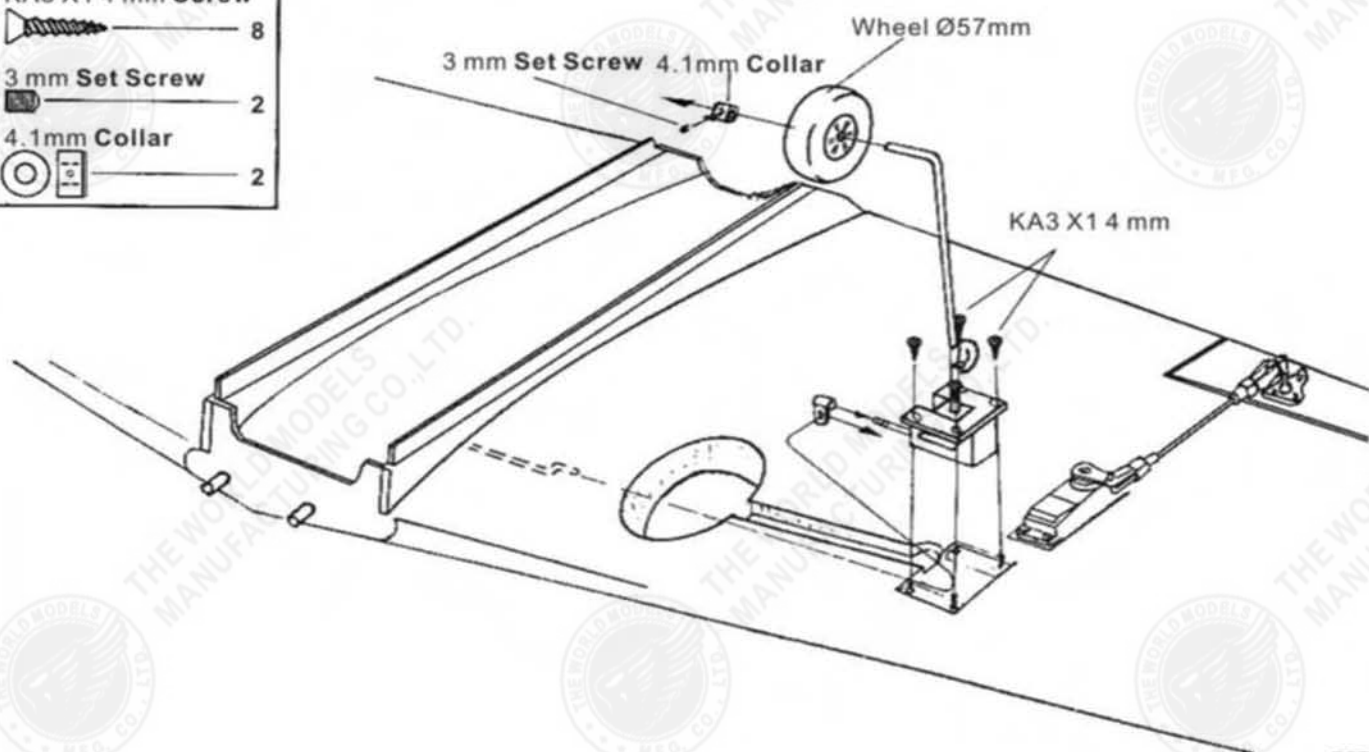
— 6



- Ø1mm pilot holes for World Models tri-horn are pre-drilled. Please look for pin-hole marks at under side of control surfaces.

4 Main Landing Gear

KA3 X1 4 mm Screw	8
3 mm Set Screw	2
4.1mm Collar	2



L/R

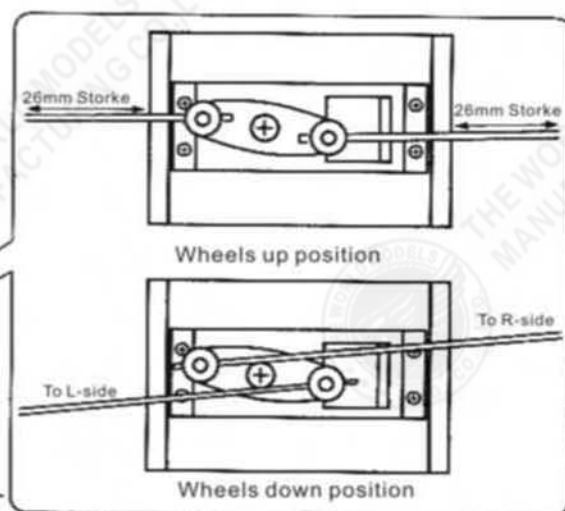
5 Landing Gear Servo

Adjuster

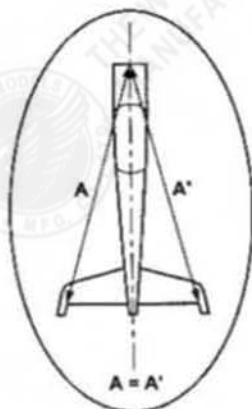
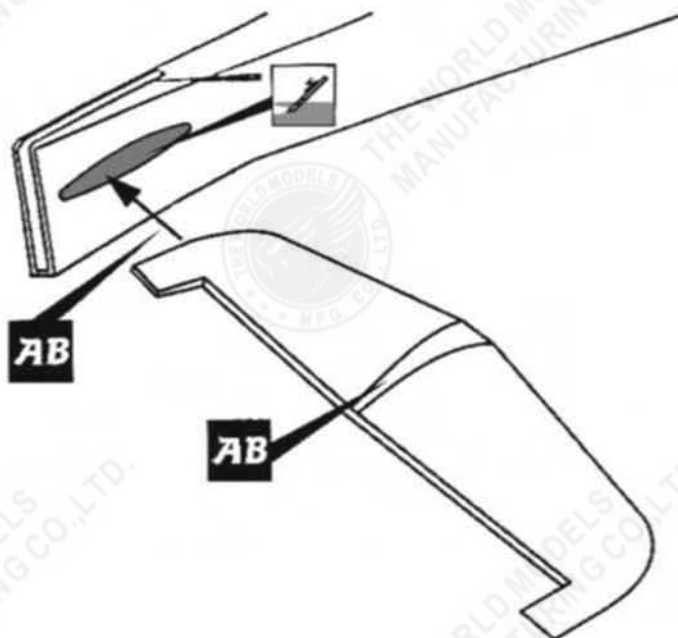
3 x 3mm Set Screw	2
Linkage Stopper	2
2mm Nut	2
2mm Washer	4

N.I

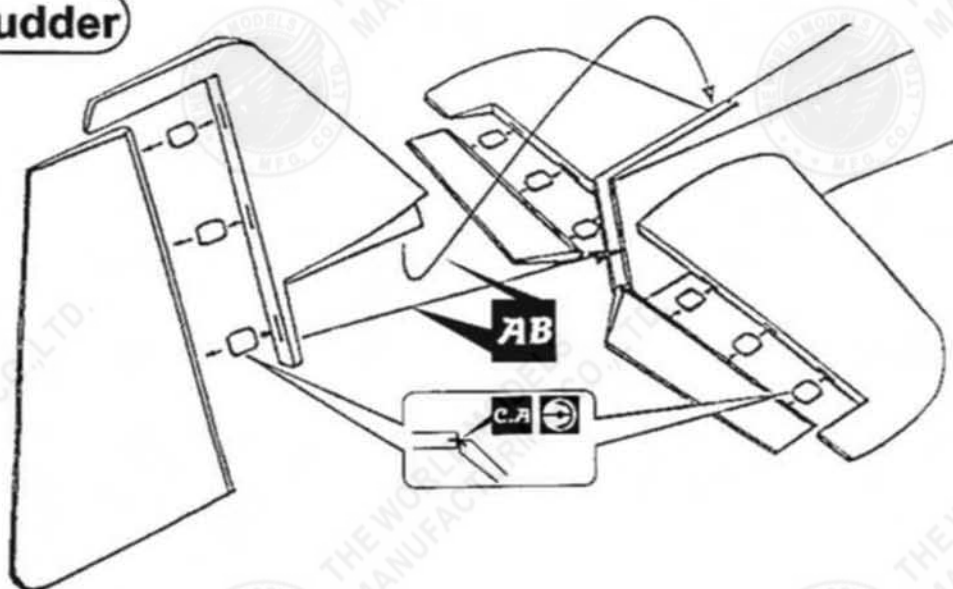
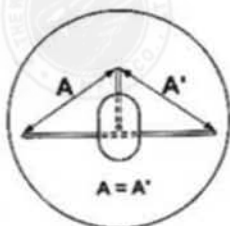
1.5mm



6 Stabilizer

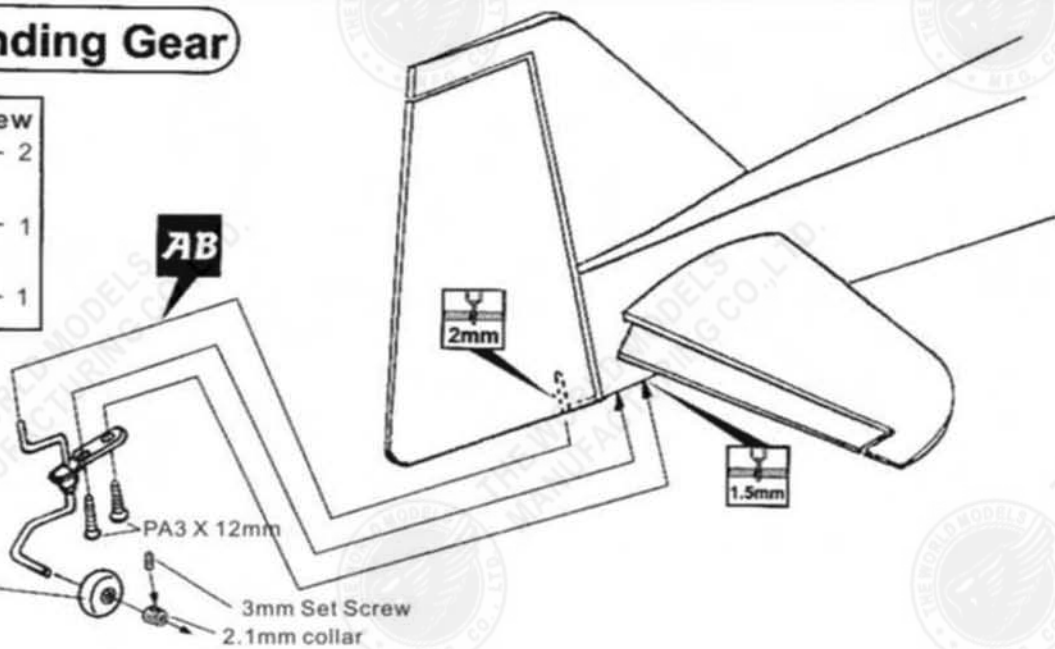


7 Vertical Fin / Rudder

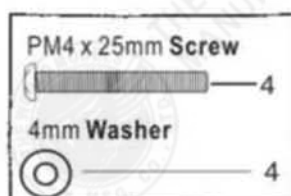


8 Tail Landing Gear

PA3 x 12mm Screw	2
3mm Set Screw	1
2.1mm collar	1



9 Engine Mount



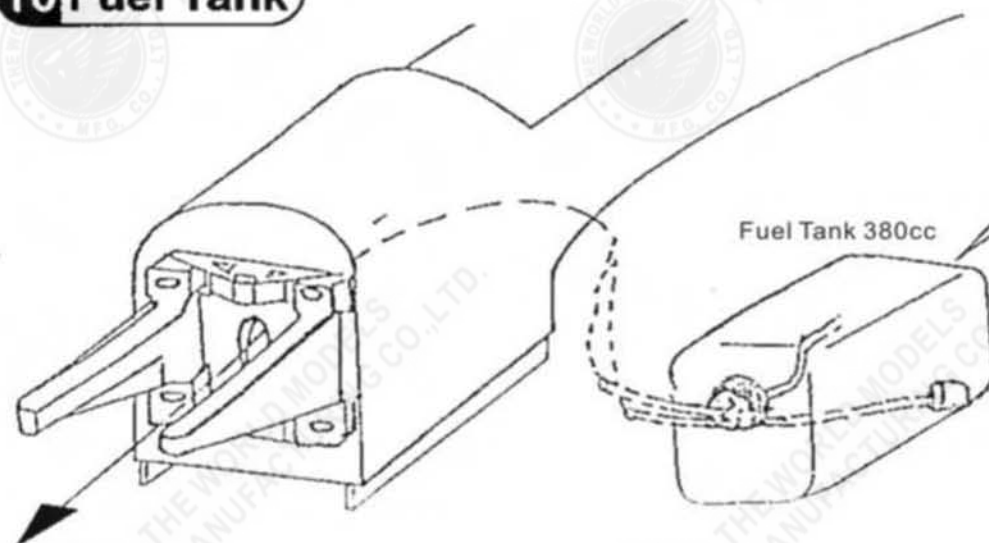
Engine Mount
PL5111-070

4mm

M4 x 25mm

- Apply thread locker to screws.

10 Fuel Tank



Install Balsa & Plywood for fixing fuel tank
Balsa 10 x 10 x 60mm

Fuel Tank

Plywood 3 x 10 x 91mm

- Bottom View

11 Engine



Plastic tube
d2 x D3 x 180mm

Throttle Pushwire
Ø1.2 x 320mm

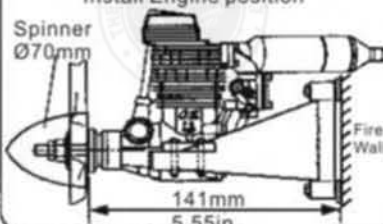
- Apply thread locker to screws.

4mm

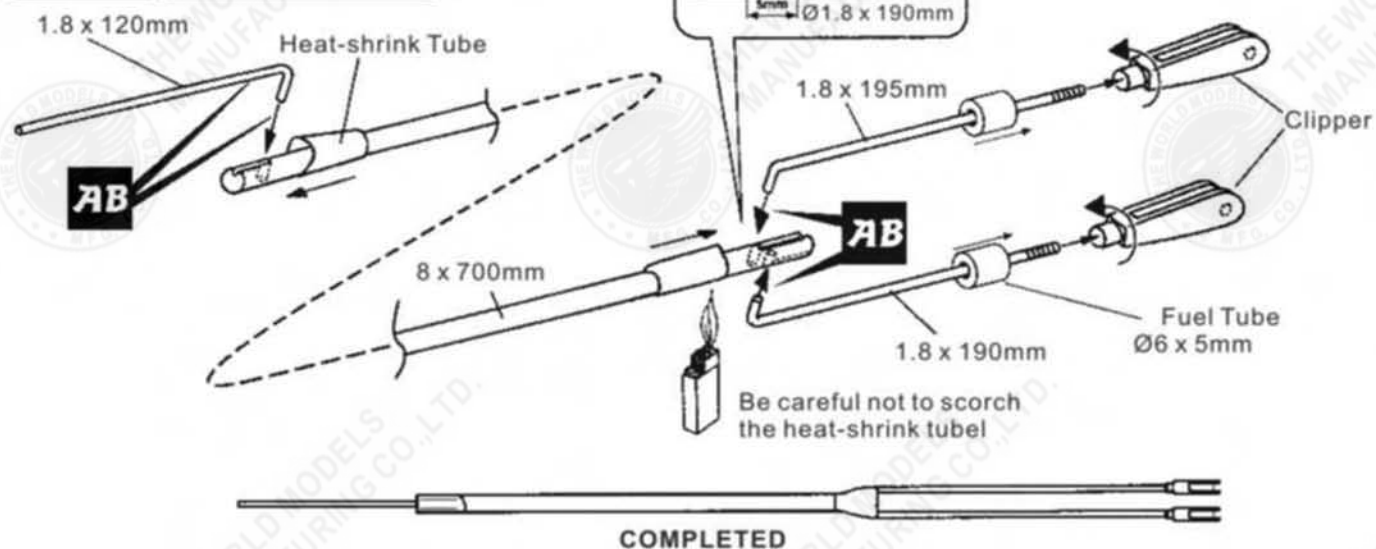
4mm

PM4 x 30mm

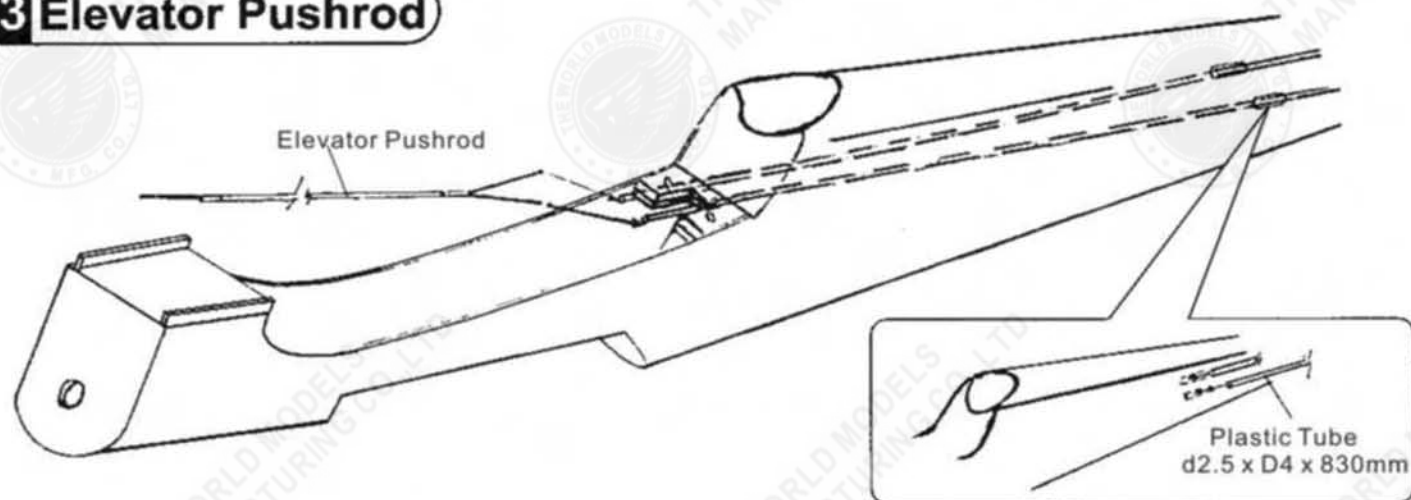
Install Engine position



12 Elevator Pushrod



13 Elevator Pushrod



14 Servo Set

Adjuster

3 x 3mm Set Screw



1

Linkage Stopper



1

2mm Nut



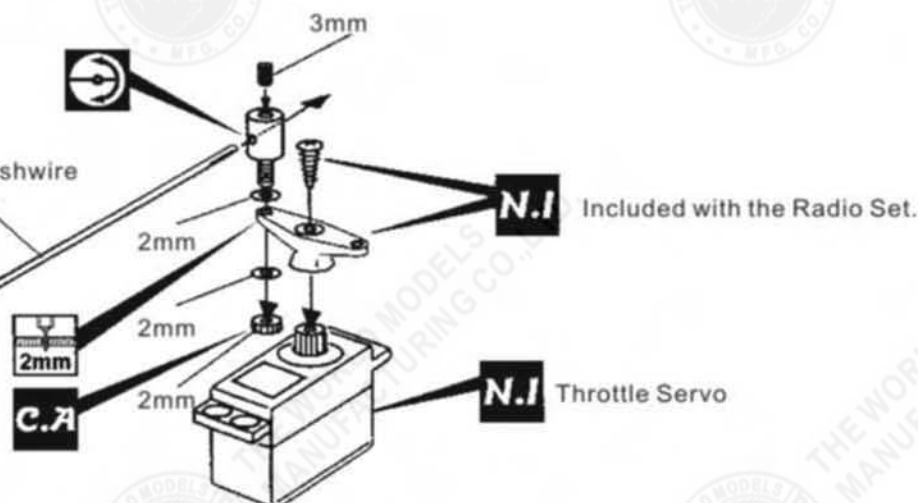
1

2mm Washer



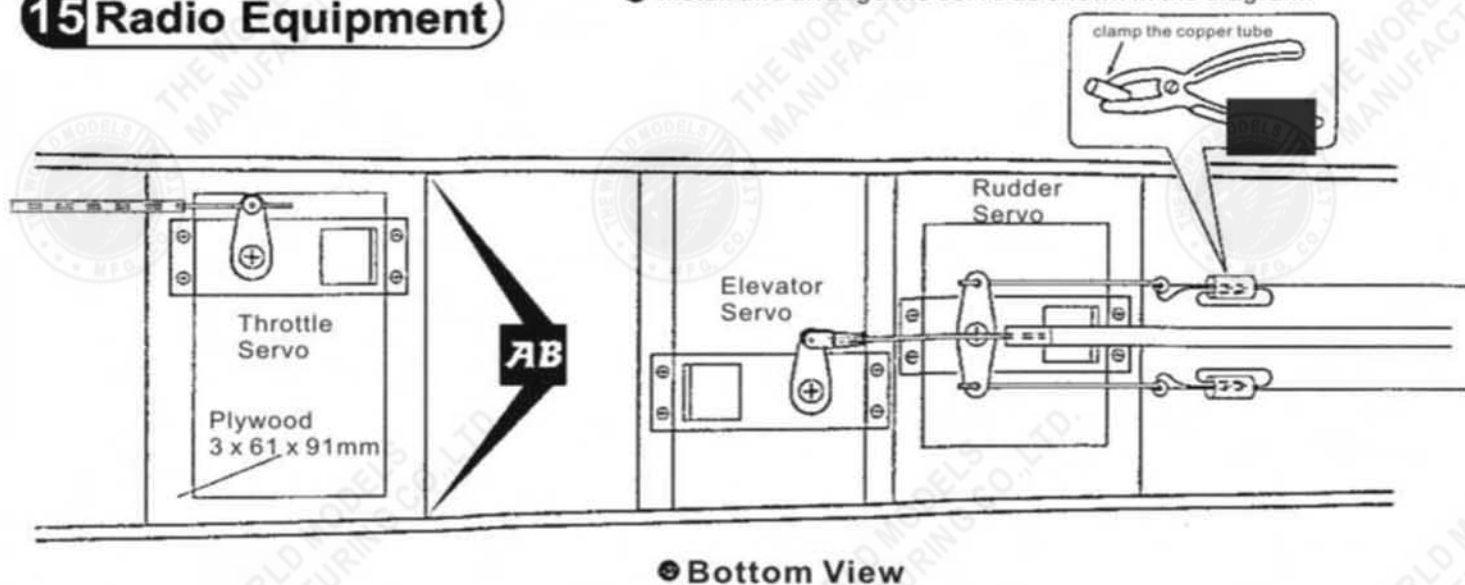
2

Throttle Pushwire



15 Radio Equipment

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



16 Rudder Pushwire

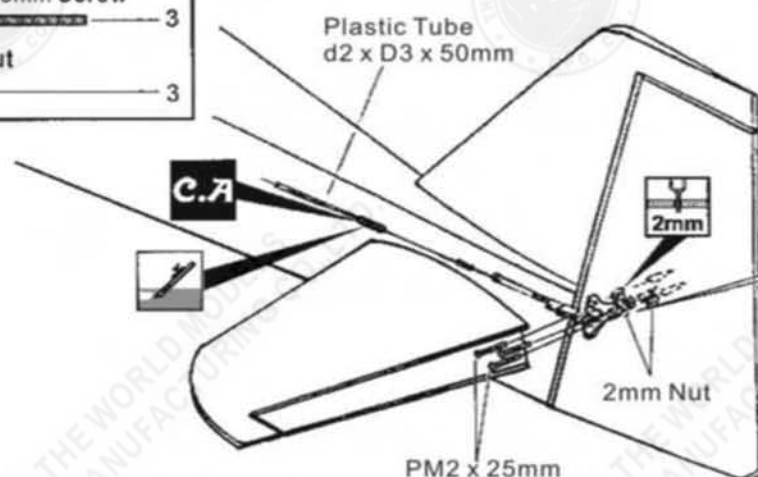
PM2 x 25mm Screw

2mm Nut

Plastic Tube
d2 x D3 x 50mm

Copper Tube

Fuel Tube
Ø6 x 5mm



17 Elevator Pushrod

PM2 x 20mm Screw

6

Elevavtor Pushrod

PM2 X 20mm

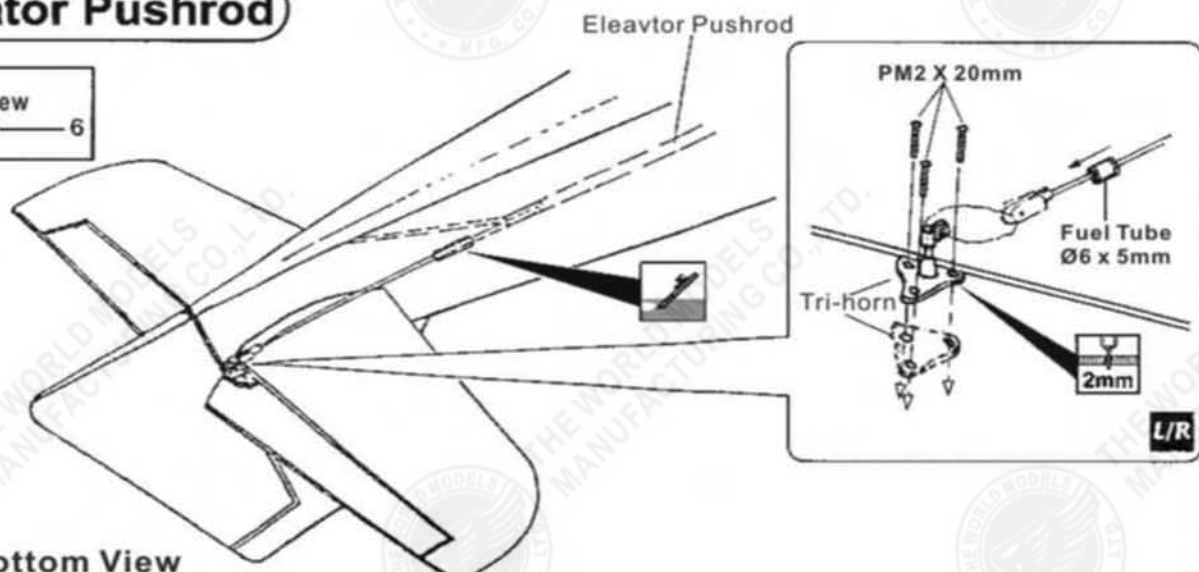
Fuel Tube
Ø6 x 5mm

Tri-horn

2mm

L/R

● Bottom View



18 Main Wing

PM4 x 35mm Screw

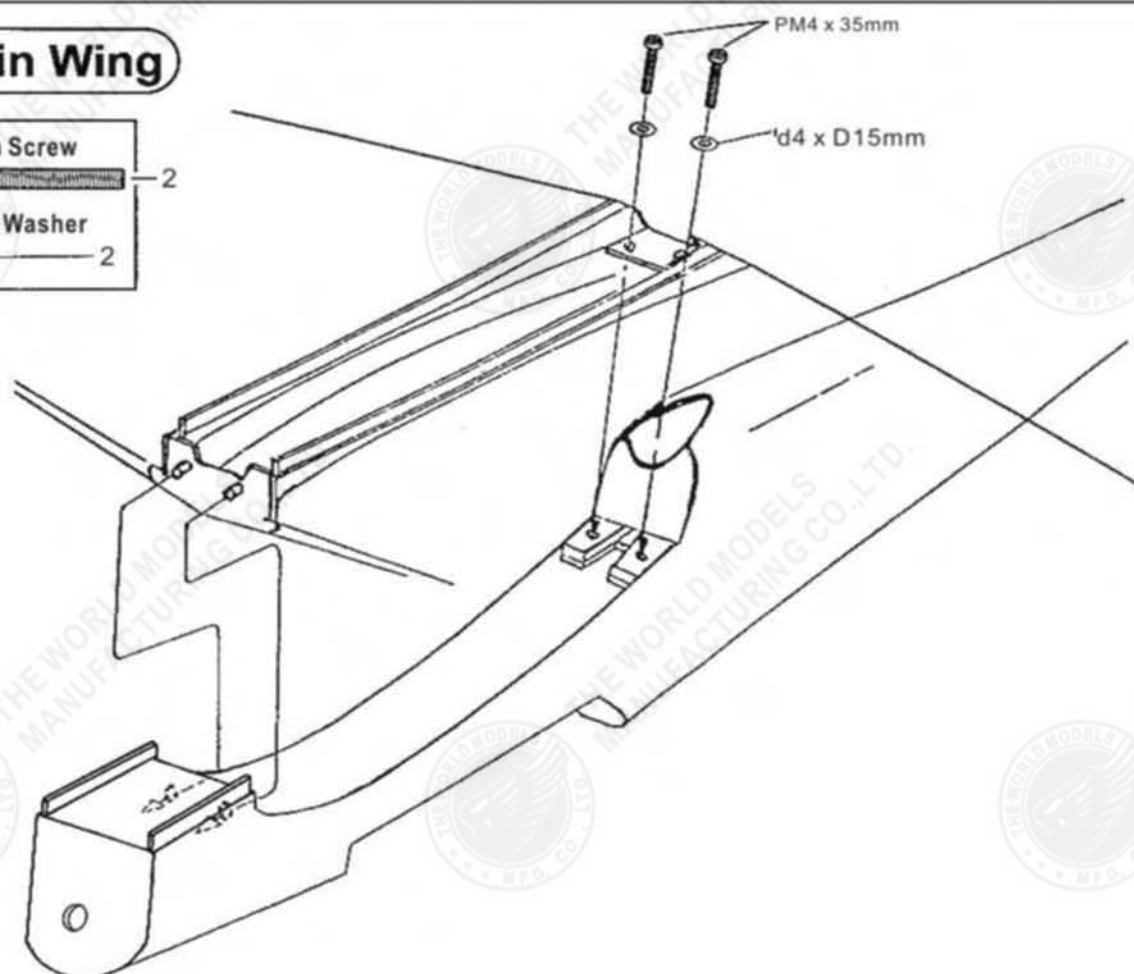


2

d4 x D15mm Washer



2



19 Cowling

PWA2.6 X 12mm Screw

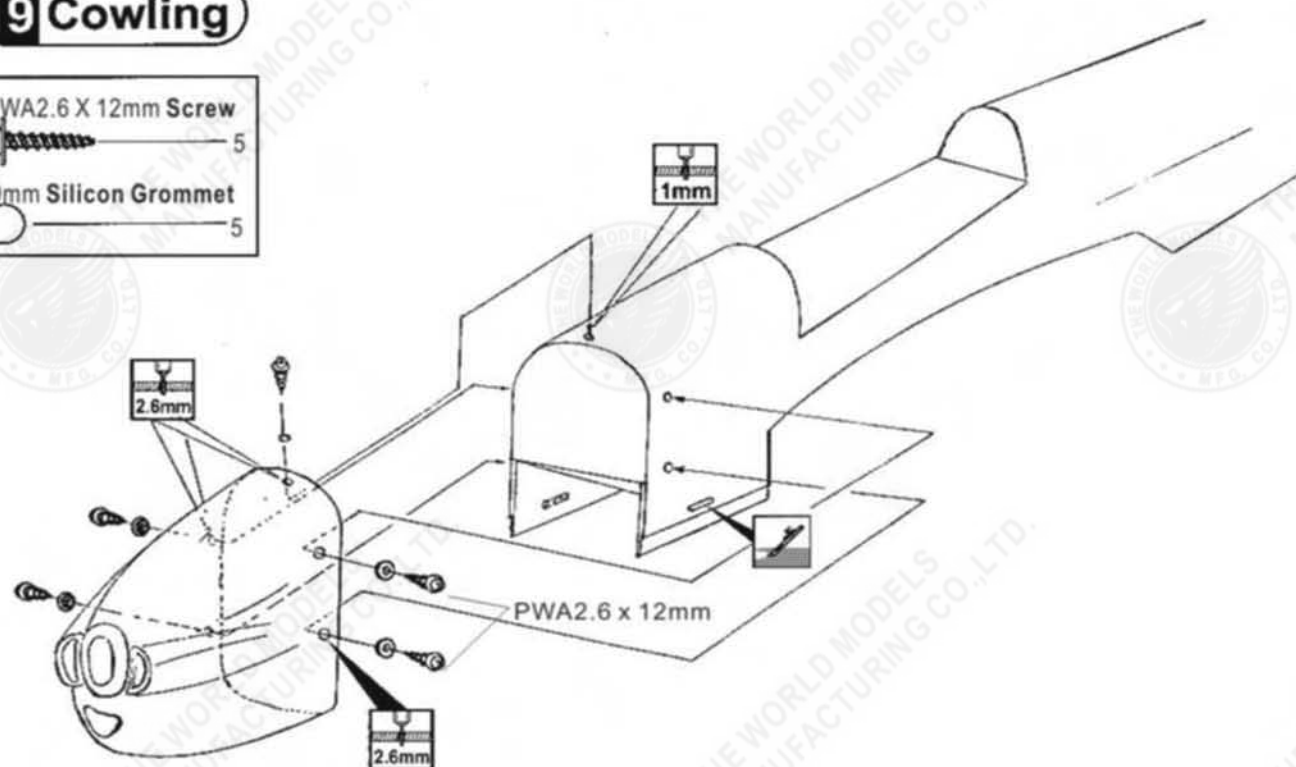


5

9mm Silicon Grommet



5



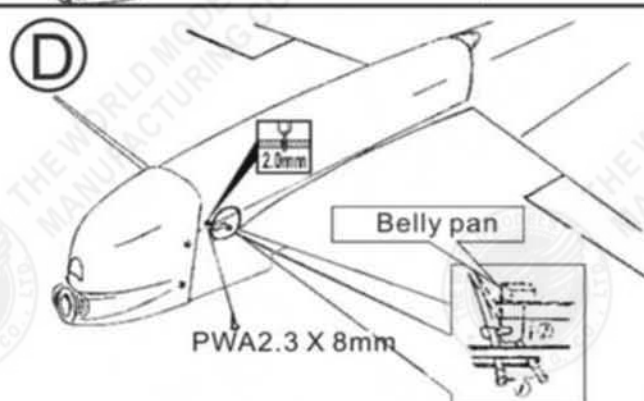
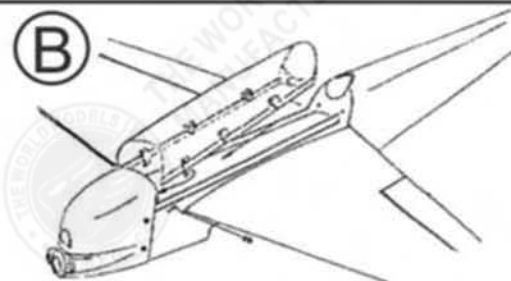
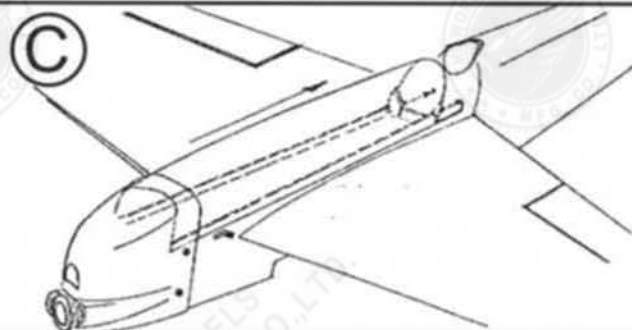
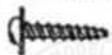
L/R

20 Wing Cover

For installation of Belly Pan,
Please follow diagram A to D

PWA2 x 25mm Screw

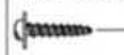
2



21 Canopy

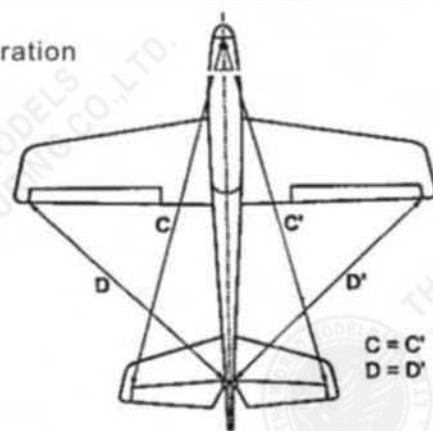
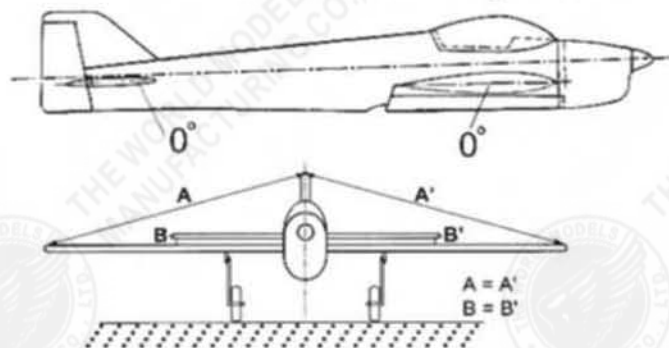
PWA2.3 x 8mm Screw

6



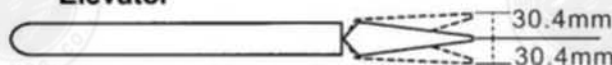
22 Wing Setting

Adjust the wing and fuselage configuration as in the diagrams.



23 Control Ranges

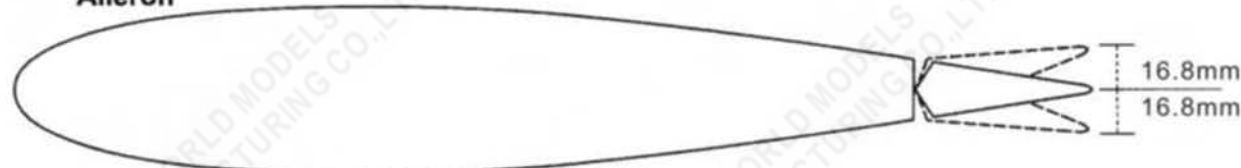
Elevator



Rudder

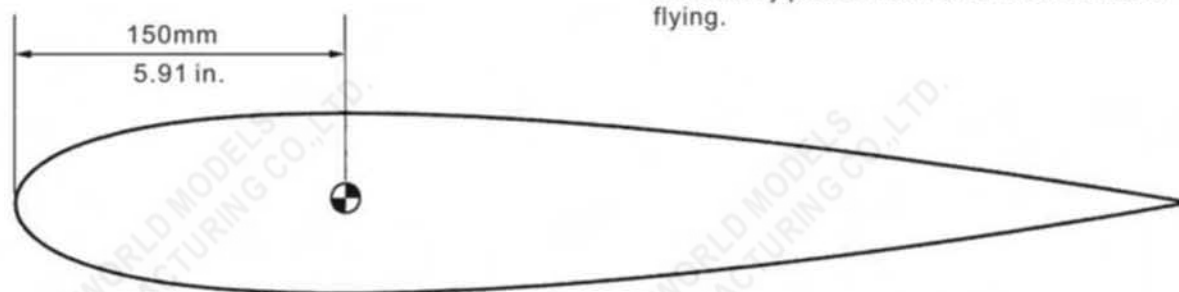


Aileron



Adjust the control throws as shown in the diagram. These throws are good for general flying. You can adjust according to your personal preference.

24 C. G. Point



The ideal C.G. position is 150mm (5.91 in) behind the leading edge measured at where the wing meets the fuselage. In order to obtain the C.G. specified, add weight to the fuselage or move the battery position. Check the C.G. before flying.

! Warning!

Important Safety Precautions

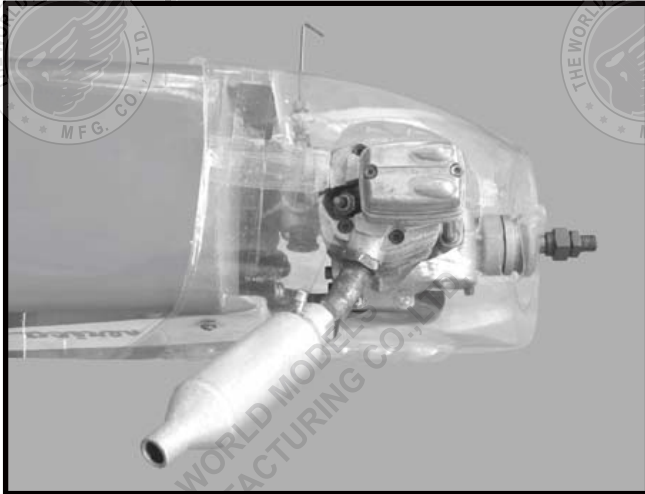
- #First time flyer should never fly by himself/herself. Assistance from experienced flyer is absolutely necessary.
- #Pre-flight adjustment must be done before flying, it is very dangerous to fly a badly pre-adjusted aircraft.
- #Tai Ji - 60 is specially designed to be powered by 2C 0.6 1or 4C 0.91 engine.using a more powerful engine does not mean better performance.In fact,over powered engine may cause structural 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.

Usage of the transparent 3D template



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

1



2



3



4



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.