

30% STEARMAN PT-17

(A300)



**Requires: 100 c.c. gasoline engine,
4-channel radio w/ 9 high torque servos.**

Specifications

Wing Span	116 in / 2950 mm
Wing Area	3700 sq in / 238.7 sq dm
Flying Weight	38.5 lb / 17.5 kg
Fuselage Length	88 in / 2240 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.



The World Models
Manufacturing Co., Ltd.
www.theworldmodels.com

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

30% STEARMAN PT-17

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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 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 !



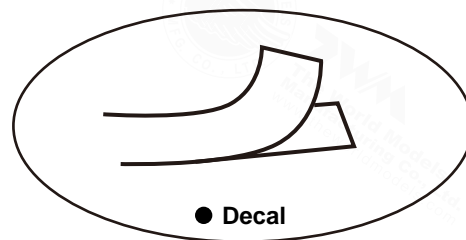
Parts List

1. DECALS: A300 DEC -- set
LOWER WING -- 1 pair
VERTICAL FIN & RUDDER -- 1 set
FUSELAGE -- 1 pc.
COWLING -- 1 set
2. TAIL PIECE -- 1 pc.
COVERING 20x250mm -- 2 pcs
3. WIRE Ø1x1500mm -- 2 pcs
THREADED ROD M4x120mm -- 1 pc.
COPPER TUBE d2.5xD3.2x8mm -- 2 pcs
M4 NYLON INSERT LOCK NUT -- 2 pcs
SWIVEL CLEVIS HORN FAIRING PL4610020 -- 1 set
HEAVY DUTY HORN BRACKET 7.5x9x33mm -- 2 sets
HEAVY DUTY CLEVIS PL4112200 -- 2 sets
EYE SCREW M2.5x8x25mm HW4202101 -- 2 pcs
SWIVEL CLEVIS HORN SUPPORT PL4610120 -- 1 set
SCREW PM2.5x21mm -- 1 pc.
M2.5 NUT -- 1 pc.
4. STABILIZER & ELEVATOR -- 1 set
ALUMINUM TUBE Ø14.5x317mm -- 1 pc.
BUTTON HEAD SCREW HM4x45mm -- 4 pcs
WASHER d4.5xD9mm -- 2 pcs
HEAVY DUTY SERVO HORN PL4120300 -- 2 sets
M4 NYLON INSERT LOCK NUT -- 2 pcs
HEAVY DUTY CLEVIS PL4112200 -- 4 sets
HEAVY DUTY HORN BRACKET PL4112400 -- 2 sets
SWIVEL CLEVIS HORN FAIRING PL4610010 -- 2 sets
PUSHROD M3xD5x112mm w/ Threads (For Elevator) -- 2 pcs
SERVO MOUNTING PANEL PL5310010 -- 1 pair
SCREW PWA2.3x8mm -- 8 pcs
5. TAIL LANDING GEAR PL3410022 -- 1 pc.
WIRE Ø1.8mm -- 1 pc.
SCREW PWA2.3x12mm -- 1 pc.
STRAPER PL4112102 -- 2 pcs
FUEL TUBE D6x5mm -- 2 pcs
MOUNTING PLATE 2x10x95mm -- 1 pc.
6. WIRE Ø1x420mm -- 8 pcs
MOUNTING PLATE 1.5x10x35mm(119°) -- 4 pcs
MOUNTING PLATE 1.5x10x35mm(140°) -- 8 pcs
BUTTON HEAD SCREW HM4x25mm -- 4 pcs
BUTTON HEAD SCREW HM4x30mm -- 2 pcs
M4 NYLON INSERT LOCK NUT -- 6 pcs
WASHER d4.5xD9mm -- 12 pcs
HEAVY DUTY CLEVIS PL4112200 -- 8 sets
COPPER TUBE d2.5xD3.2x8mm -- 16 pcs
EYE SCREW M2.5x8x25mm HW4202101 -- 8 pcs
7. MAIN LANDING GEAR -- 1 pc.
SOCKET HEAD SCREW M6x30mm -- 4 pcs
WASHER d6xD15mm -- 4 pcs
WHEEL AXLES D5x58mm -- 2 pcs
COLLAR Ø5.1mm w/ Set Screw -- 4 sets
M8 NYLON INSERT LOCK NUT -- 2 pcs
MAIN WHEEL Ø150mm PL3115150 -- 2 pcs
WHEEL COVER -- 2 pcs
SCREW PA1.7x8mm -- 6 pcs
LANDING GEAR COVERS -- 1 pair
BUTTON HEAD SCREW HM4x6mm -- 2 pcs
BUTTON HEAD SCREW HM4x12mm -- 2 pcs
WASHER d4xD9mm -- 4 pcs
PLYWOOD 6x15x15mm -- 2 pcs
8. FUEL TANK 1500cc PL1121500 -- 1 set
CABLE TIE (For Fuel Tank) 1.5x8x500mm -- 2 pcs
SPONGE 10x80x200mm -- 1 pc.
9. BLIND NUT M6 HW4202101 -- 4 pcs
SOCKET HEAD SCREW M6x50mm -- 4 pcs
WASHER d6xD15mm -- 4 pcs
THRATTLE PUSHROD Ø1.8x500mm -- 1 pc.
10. PLASTIC TUBE d2.5xD4x360mm -- 1 pc.
SCREW PWA2.6x8mm -- 4 pcs
PLYWOOD 3x104.4x185mm -- 1 pc.
10. SCREW KA2.3x8mm -- 8 pcs
QUICK RELEASE NYLON RIVET PL1208042 -- 8 pcs
11. LINKAGE CONNECTOR Ø2.1mm w/ set screw -- 1 set
12. SPONGE 10x80x200mm -- 1 pc.
HEAVY DUTY SERVO HORN PL4120801 -- 1 set
HEAVY DUTY SERVO HORN PL4120600 -- 1 set
THREADED ROD M3x35mm HW219335R -- 2 pcs
HEAVY DUTY CLEVIS PL4112200 -- 4 sets
HEAVY DUTY CLEVIS PL4112200 -- 4 sets
COPPER TUBE d2.5xD3.2x8mm -- 2 pcs
EYE SCREW M2.5x8x25mm HW4202101 -- 2 pcs
CHARGE RECEPTACLES KP0041300 -- 1 pc.
13. HEAVY DUTY SERVO HORN PL4120300 -- 4 sets
SOCKET HEAD SCREW M4x65mm -- 4 pcs
M4 NYLON INSERT LOCK NUT -- 4 pcs
HEAVY DUTY CLEVIS PL4112200 -- 8 sets
HEAVY DUTY HORN BRACKET PL4112400 -- 4 sets
SWIVEL CLEVIS HORN FAIRING PL4610010 -- 4 sets
PUSHROD M3xD5x106mm w/ Threads (For Aileron) -- 4 pcs
SERVO MOUNTING PANEL PL5310010 -- 2 pair
SCREW PWA2.3x8mm -- 16 pcs
14. WING TUBE Ø32x762mm -- 1 pc.
COCKPIT -- 1 pc.
15. UPPER WING -- 1 set
WING TUBE Ø32x1029.5mm -- 1 pc.
16. WING STRUTS(Side Cabane) -- 1 pair
WING STRUTS(Brace: Fueslage to Wing) -- 4 pcs
BUTTON HEAD SCREW HM4x16mm -- 12 pcs
BUTTON HEAD SCREW HM4x25mm -- 4 pcs
WASHER d4.5xD9mm -- 32 pcs
M4 NYLON INSERT LOCK NUT -- 16 pcs
MOUNTING PLATE 1.5x20x35mm(119°) -- 10 pcs
MOUNTING PLATE 1.5x10x35mm(130°) -- 4 pcs
THREADED ROD M4x320mm -- 1 pc.
THREADED ROD M4x340mm -- 1 pc.
PLYWOOD (Wing Incidence Angle Template) -- 2 pcs
17. WIRE Ø1.5x140000mm -- 1 pc.
WIRE Ø1.5x350mm -- 4 pcs
EYE SCREW M2.5x8x25mm HW4202101 -- 12 pcs
COPPER TUBE d3.6xD4.2x10mm -- 32 pcs
HEAVY DUTY CLEVIS PL4112200 -- 12 sets
PLYWOOD Ø8x230mm -- 2 pcs
TURN BUCKLES HW4201322 -- 4 pcs
M3 NUT -- 4 pcs
STEEL WIRE Ø1.8mm -- 4 pcs
18. CANOPY -- 2 pcs
PILOT PC102125D -- 1 pc.
PILOT PC101110E -- 1 pc.
PLASTIC PLATE -- 2 pcs
SCREW PWA2.3x8mm -- 8 pcs
SILICON GROMMETS PL1265035 -- 8 pcs
CABLE TIE 2.5x5x300mm -- 4 pcs
- Allen Wrench M2.5 -- 1 pc.
Allen Wrench M3.5 -- 1 pc.
Allen Wrench M5.5 -- 1 pc.
- COVERING:--
LIGHTEX SGX 311 FERRARI RED
LIGHTEX SGX 100 WHITE
LIGHTEX SGX 201 BLACK
TOUGHLON STL 331 CUB YELLOW
TOUGHLON STL 250 BLUE

A300PO30601412

1 Decals

- Cut out decal sheet, peel off backing sheet and apply on fuselage and wings.



Lower wings



Rudder



Fuselage

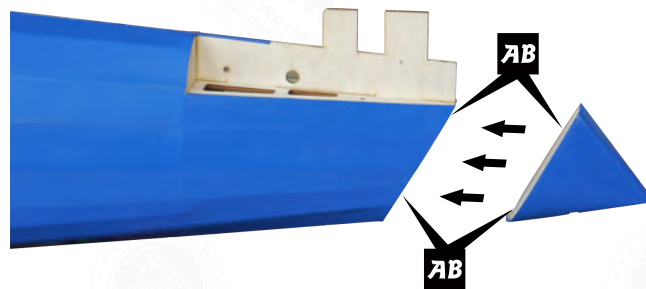


● Left View



● Right View

2 Tail Piece



L/R

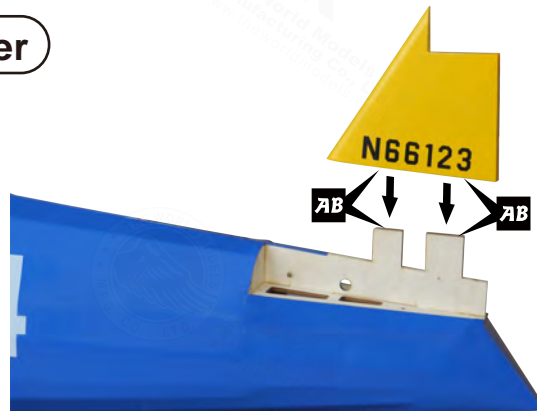
3 Vertical Fin & Rudder

M4x120mm Threaded Rod — 1

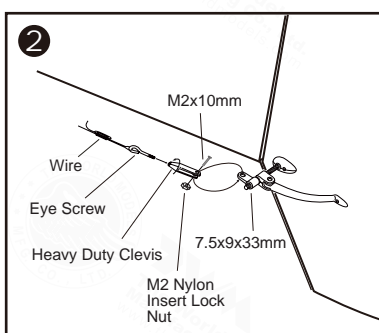
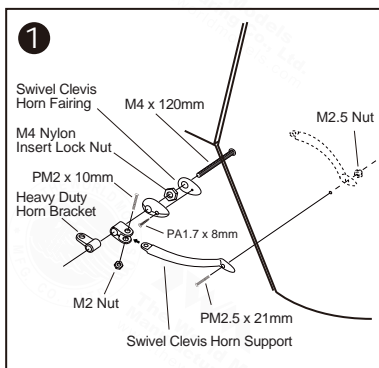
PM2.5x21mm Screw — 1

M4 Nylon Insert Lock Nut — 2

M2.5 Nut — 1

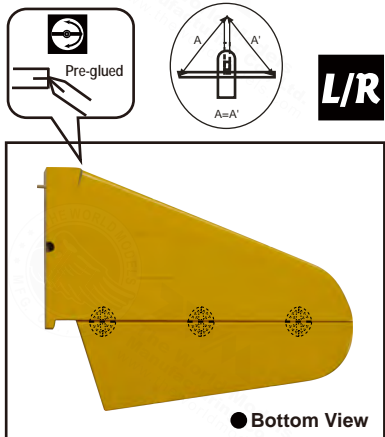


L/R

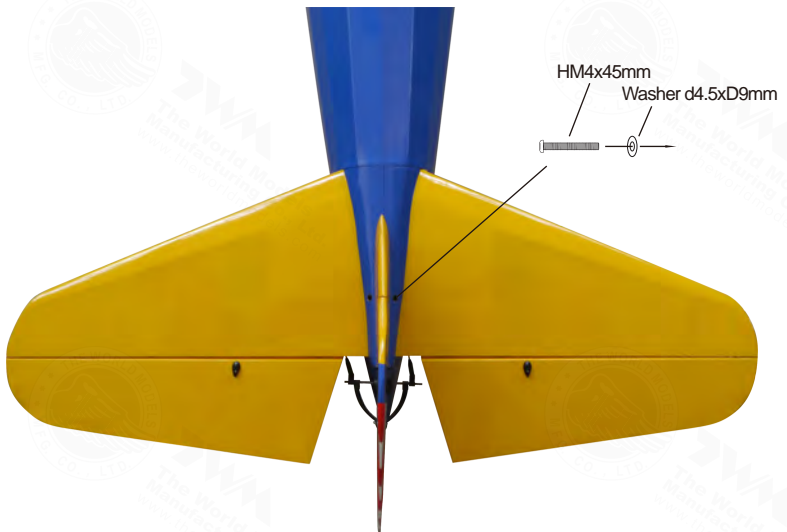
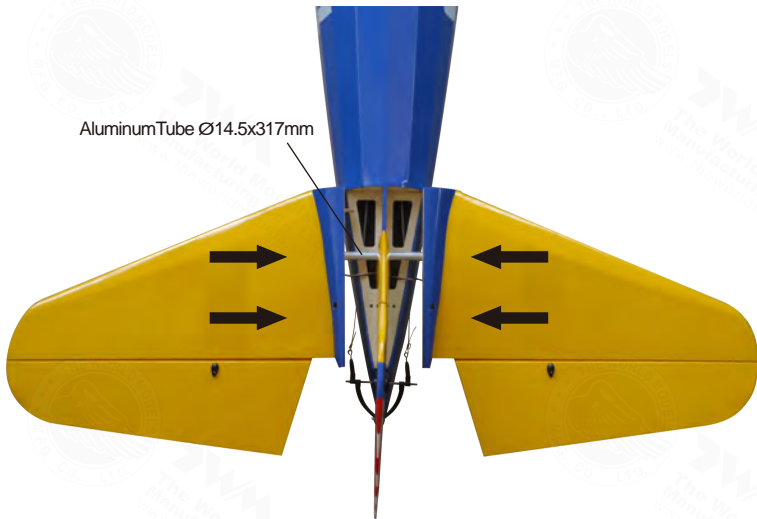
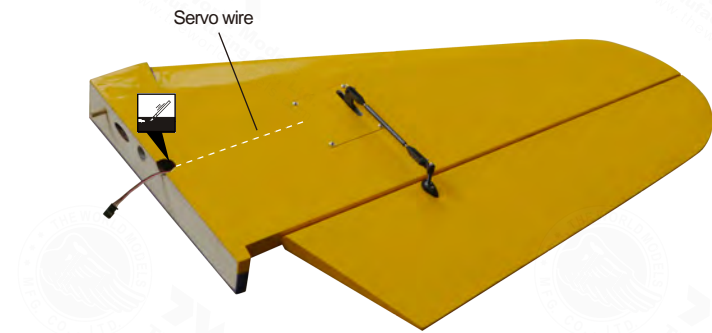
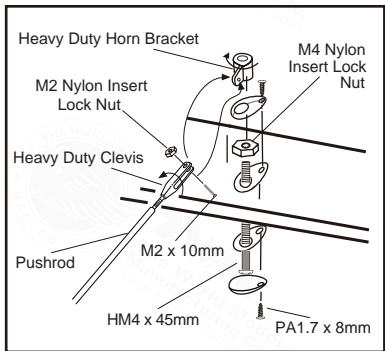
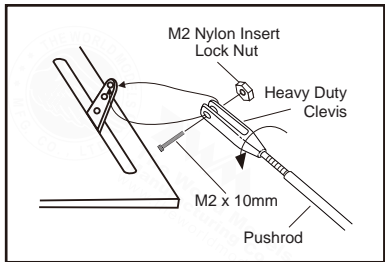
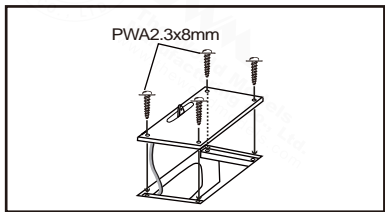
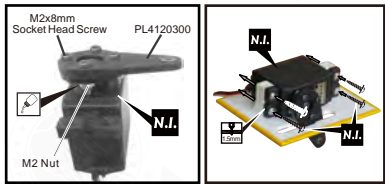


4 Stabilizer & Elevator

HM4x45mm	Button Head Screw	4
PWA2.3x8mm	Screw	8
M4	Nylon Insert Lock Nut	2
d4.5xD9mm	Washer	2



● The hinges are factory glued.



5 Tail Landing Gear

PWA2.3x12mm

Screw



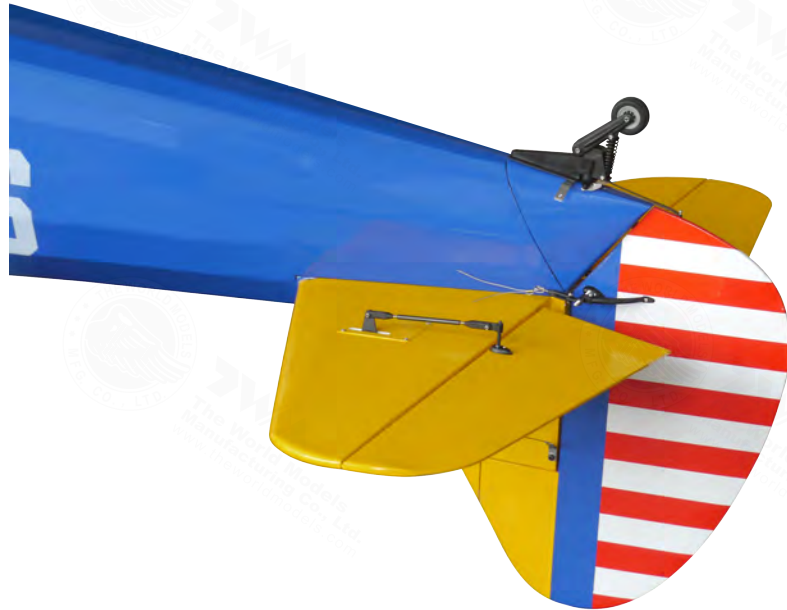
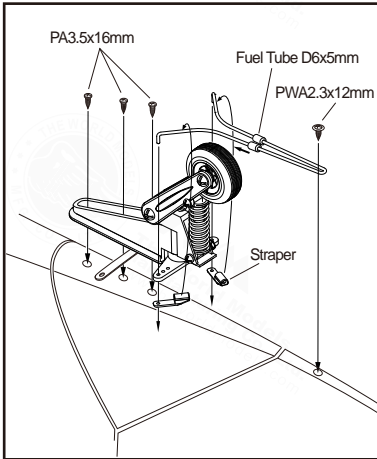
1

PA3.5x16mm

Fuel Tube D6x5mm

PWA2.3x12mm

Straper



6 Flying Wire

HM4x30mm Button Head Screw



2

HM4x25mm Button Head Screw



4

M4 Nylon Insert Lock Nut



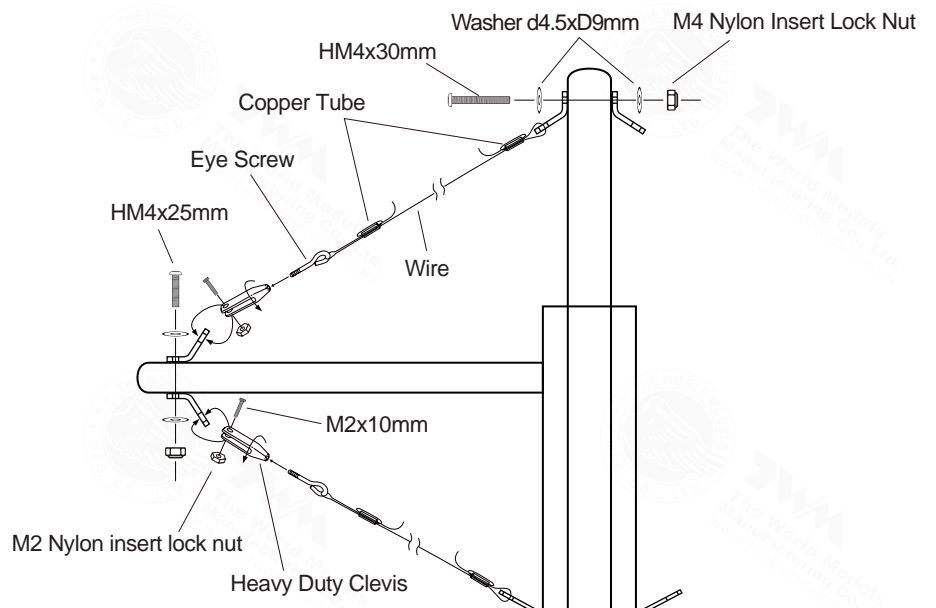
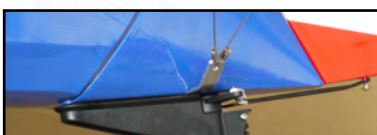
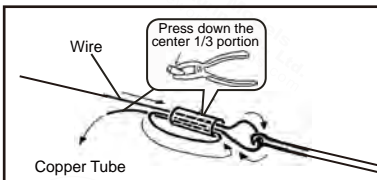
6

d4.5xD9mm Washer



12

L/R



7 Main Landing Gear

M6x30mm **Socket Head Screw**



HM4x12mm **Button Head Screw**



HM4x6mm **Button Head Screw**



PA1.7x8mm **Screw**



M8 **Nylon Insert Lock Nut**



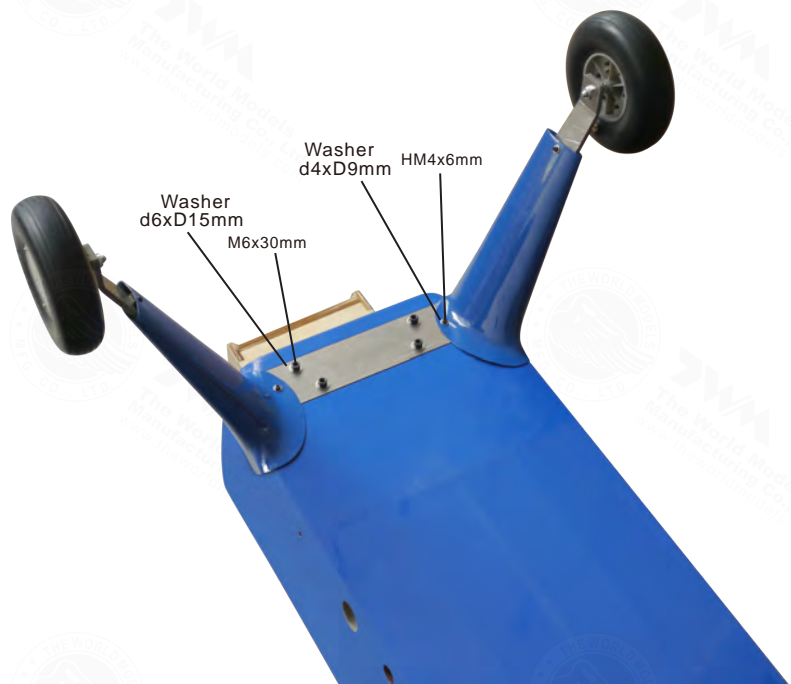
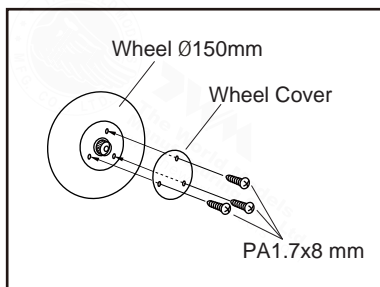
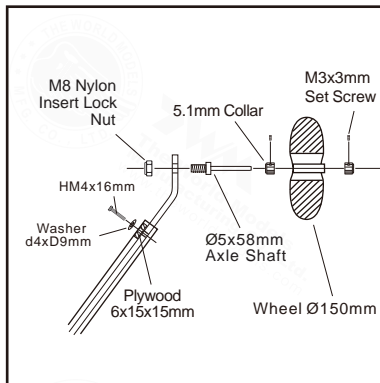
d6xD15mm **Washer**



d4xD9mm **Washer**



L/R

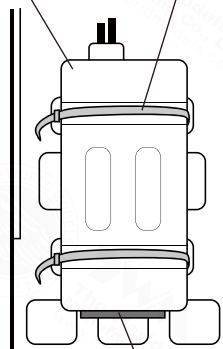


8 Fuel Tank

Fuel Tank 1500cc

Cable Tie 1.5x8x500mm

Front



Sponge 10x80x200mm



Front

9 Engine

M6x50mm **Socket Head Screw**

4

PWA2.6x8mm **Screw**

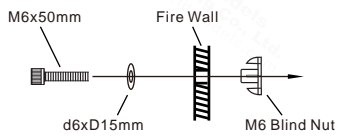
4

d6xD15mm **Washer**

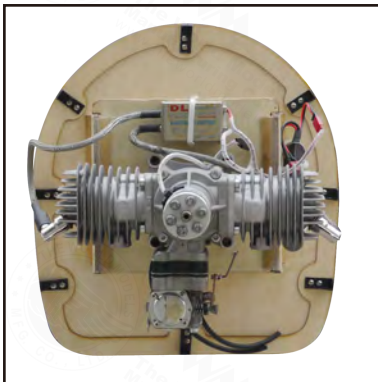
4

M6 **Blind Nut**

4

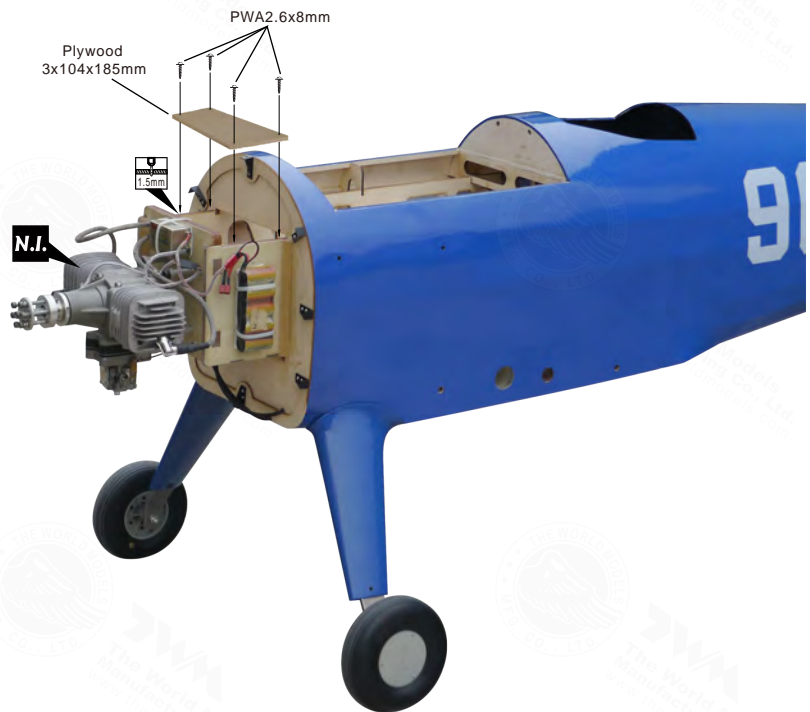
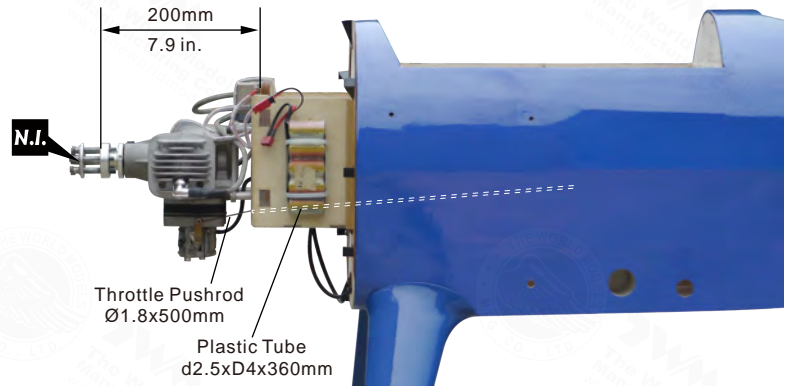


● Gasoline Engine Setting



● The Cowling brackets are factory Installed.

- Please refer to your engine instruction manual for the installation of engine ignition unit and battery, some engine manufacturer may prefer installing them inside the fuselage to avoid heat from the engine



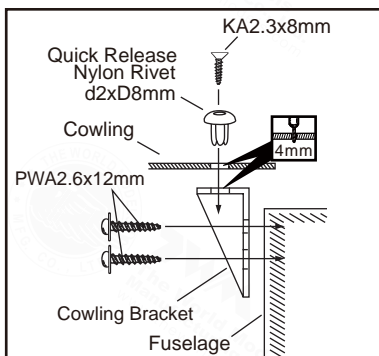
10 Cowling

KA2.3x8mm **Screw**

8

d2xD8mm **Quick Release Nylon Rivet**

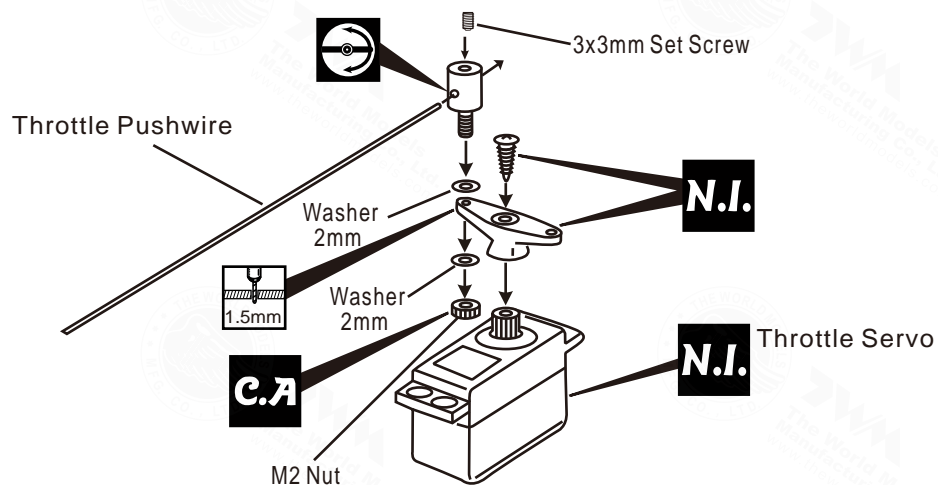
8



- First insert the Quick Release Nylon Rivet to the cowling, then through the 4mm hole in cowling bracket, then apply screw.

11 Servo Set

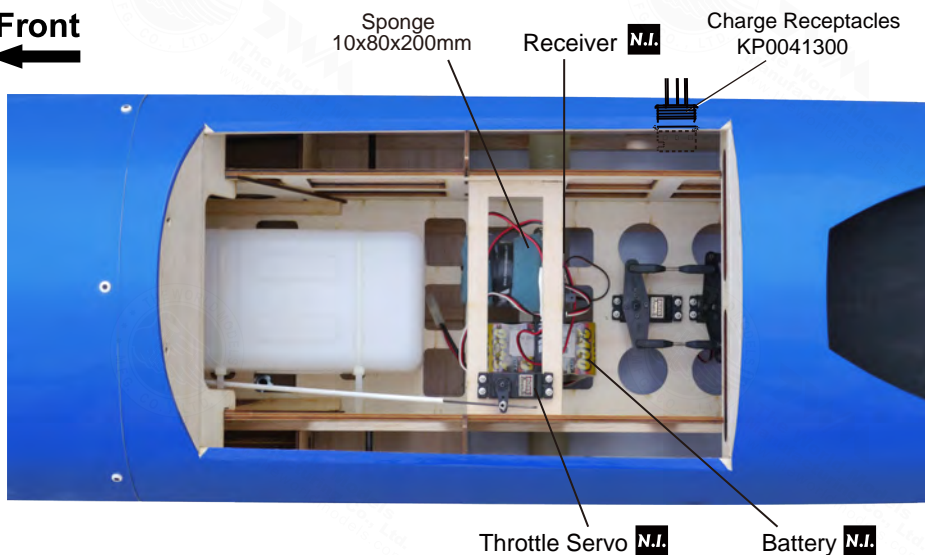
3x3mm	Set Screw	1
Linkage Connector		1
M2	Nut	1
2mm	Washer	2



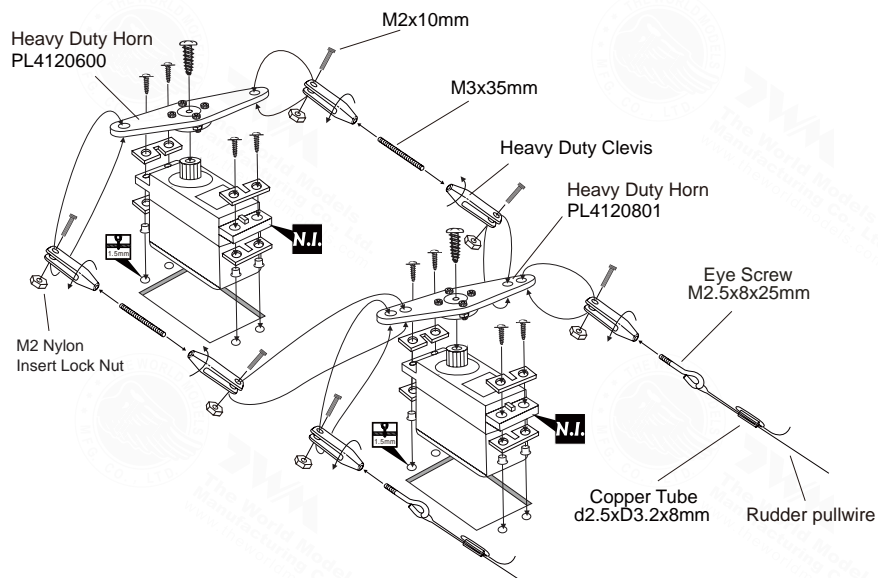
! Please refer to the attached sheet for linkage connector installation.

12 Servos Setting

Front
←



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



13 Lower Wing

M4x65mm Socket Head Screw

4

PWA2.3x8mm Screw

16

M4 Nylon Insert Lock Nut

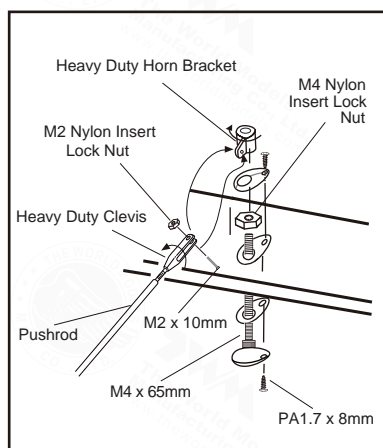
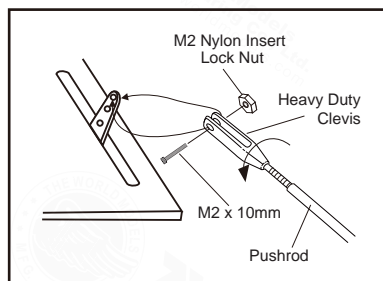
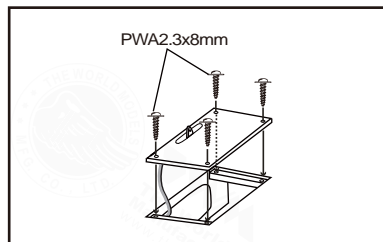
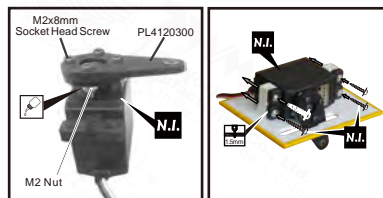
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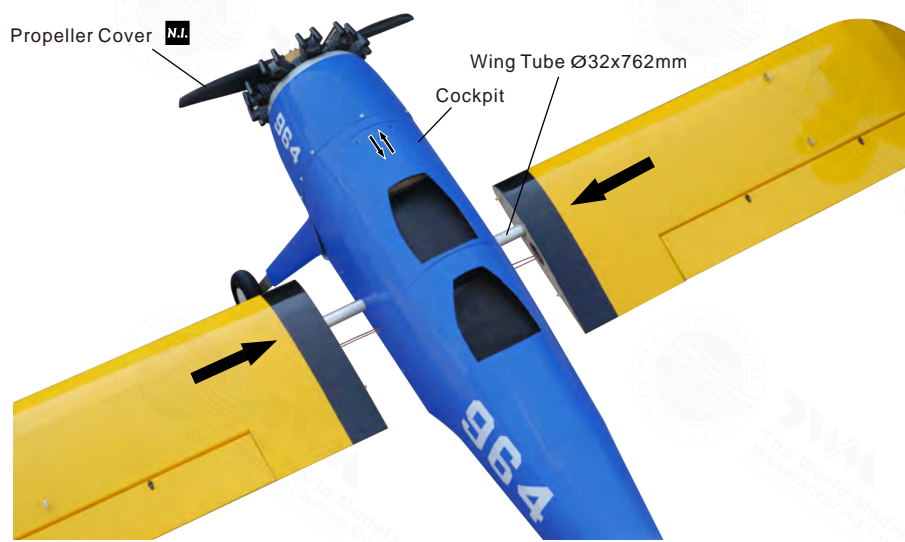
L/R



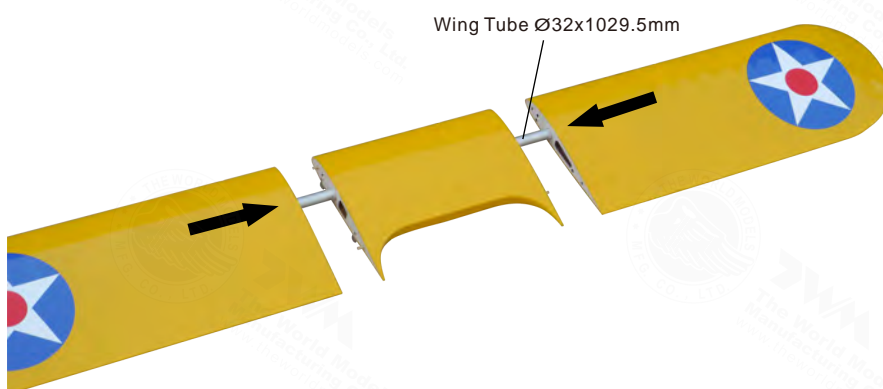
● The hinges are factory glued.



14 Lower Wing



15 Upper Wing



16 Wing Struts

M4x340mm Threaded Rod

1

M4x320mm Threaded Rod

1

HM4x25mm Button Head Screw

4

HM4x16mm Button Head Screw

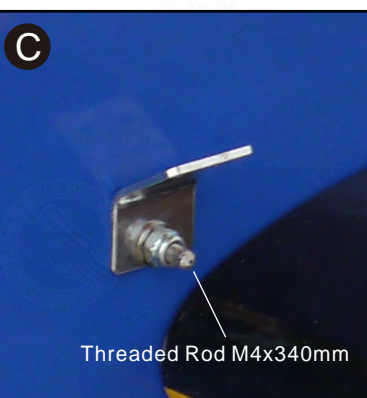
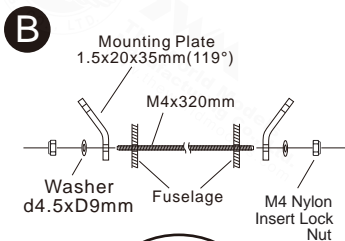
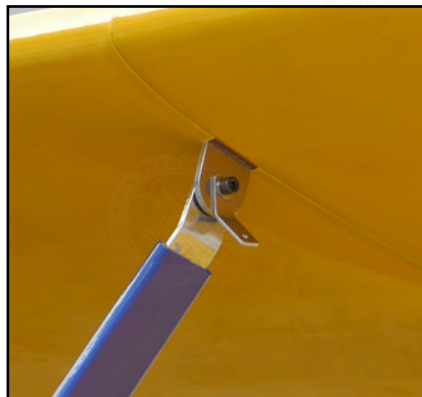
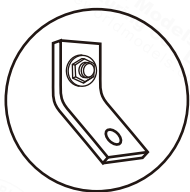
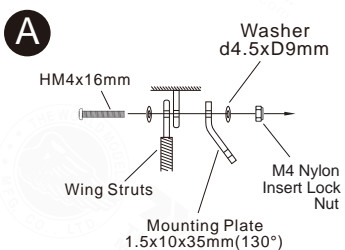
12

M4 Nylon Insert Lock Nut

16

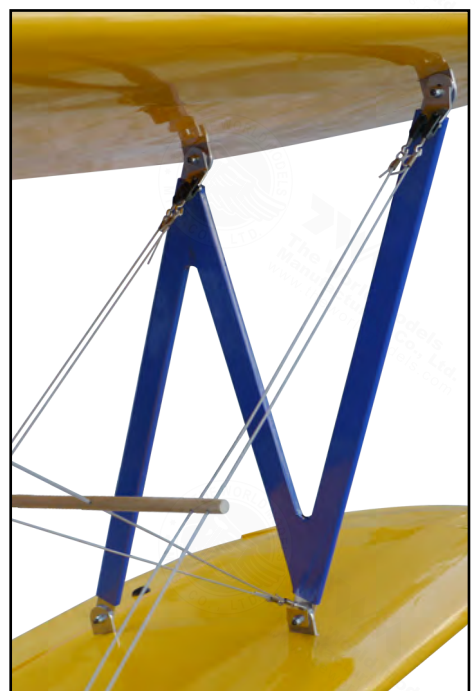
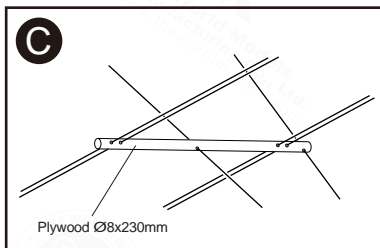
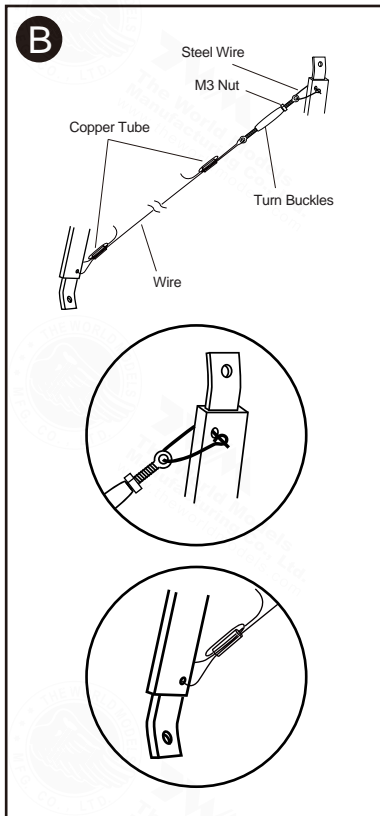
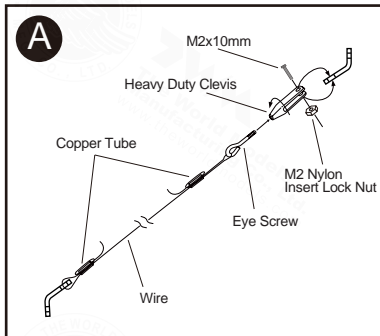
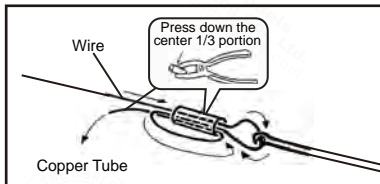
d4.5xD9mm Washer

32



17 Flying Wire

L/R

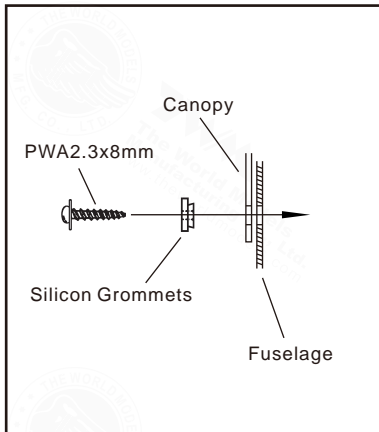


18 Canopy & Pilots

PWA2.3x8mm Screw

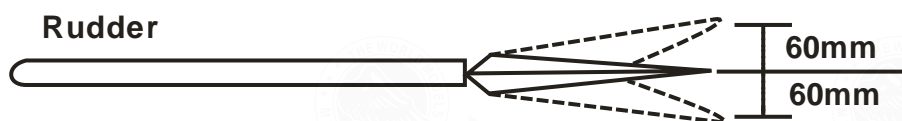
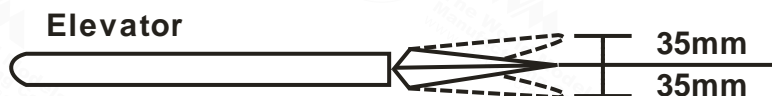


d1.5xD6.5mm Silicon Grommet



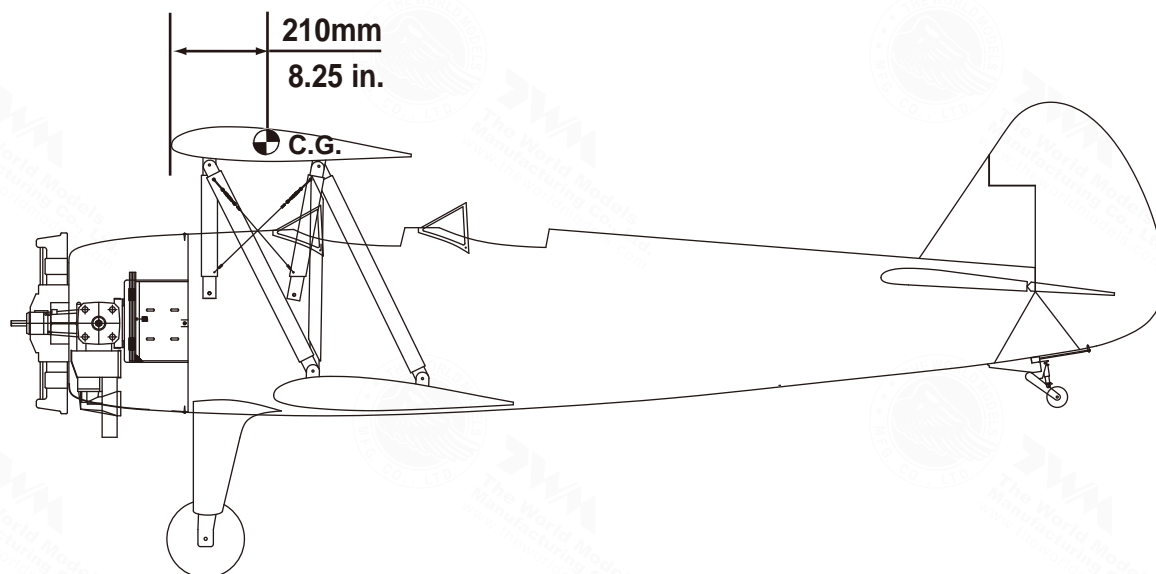
19 Control Throws

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



20 C.G.

- The ideal C.G. position is 210mm (8.25 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.



<http://www.theworldmodels.com/para/instruction/instructionManuals.php>

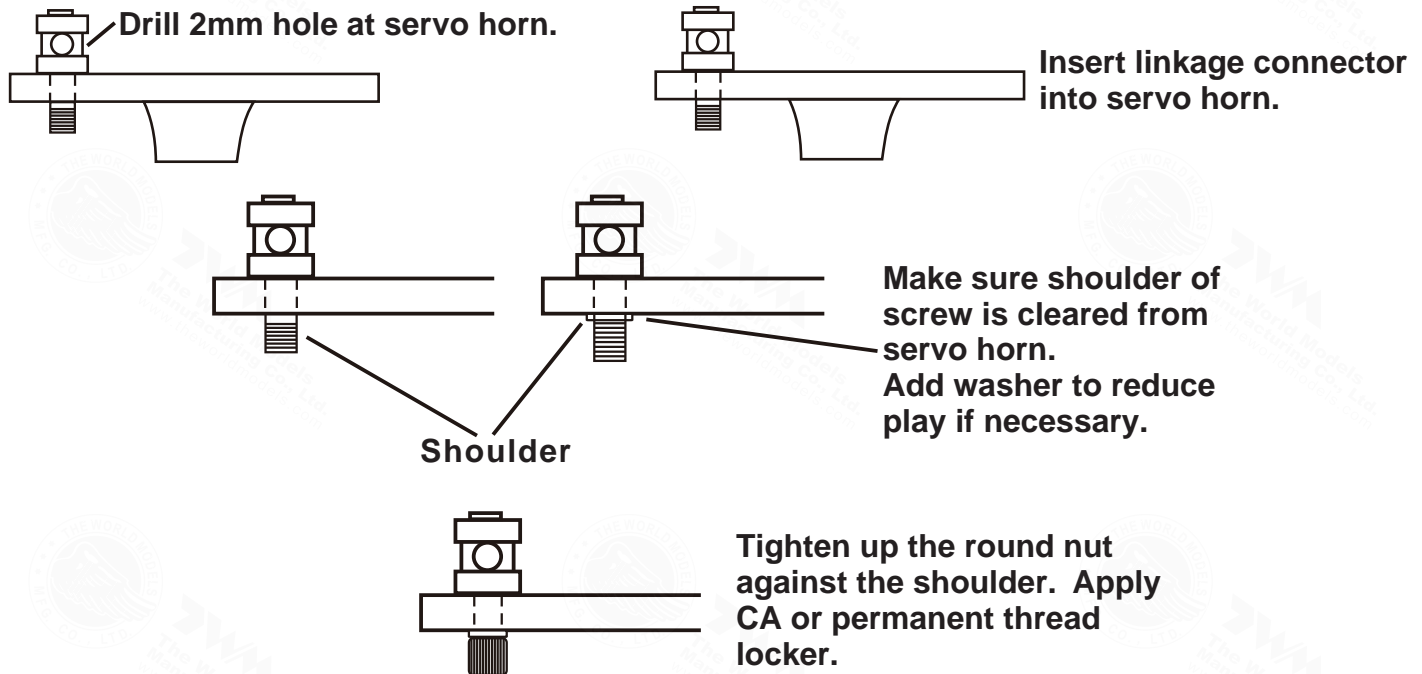
! Warning!

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.
- # **30% STEARMAN PT-17** is specially designed to be powered by **100c.c. gasoline** 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. Extreme caution should be exercised when working with electric powered models. Make sure the propeller is cleared of all objects, especially your hands before connecting the battery to the model. Make sure you understand the operation of the ESC (Electronic Speed Control) by studying the ESC manual. Once you plug in the battery for electric powered model, always treat the propeller as a rotating one, as accidental movement of the throttle stick will spin the propeller and could cause injuries.
- # 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.

LINKAGE CONNECTOR

HW7111050 & HW7111060



After fastening the round nut, make sure that the linkage connector can rotate freely.

Product Registration Form (US Customers)

We would like to share with you any relevant information regarding your model, including product news and free upgrade parts when applicable. Please fill in the following and send to AirBorne Models, 4749-K, Bennett Drive, Livermore, CA 94551 USA.

1. Name: _____

2. Address: _____

3. Phone #: _____ E-mail: _____

4. Model: _____

Wing QC# _____ Fuselage QC# _____
(QC numbers are stamped on wing and fuselage)

5. Date of Purchase: _____

6. Store Name: _____

Please call AirBorne Models at 925 371 0922 for any assistance in filling this form. Thank you very much for purchasing our product.

Optional Parts

(TWM ACCESSORIES)

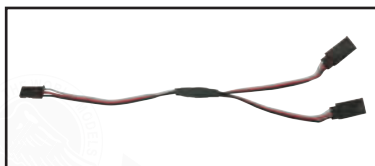
180mm Extension

Code No.	Size	Package
KW0011800	180mm	1 set



180mm Y-Cord

Code No.	Size	Package
KW0021800	180mm	1 pc



Charge Receptacles

Code No.	Size	Package
KP0041300		



Fuel Tubing Clip

Code No.	Size	Package
HW4201550	D5.5mm	6 pcs
HW4201450	D4.5mm	6 pcs



Detachable Transmitter Stand

Code No.	Size	Package
MS9111500	225x115mm	1 set



Field Stand

Code No.	Size	Package
MS9111450	600 x 240 x 350mm	1 pc



Neoprene Tube

Code No.	Size	Package
PT1114050	D5xd2.5mm	2m
PT1114070	D6xd3mm	2m



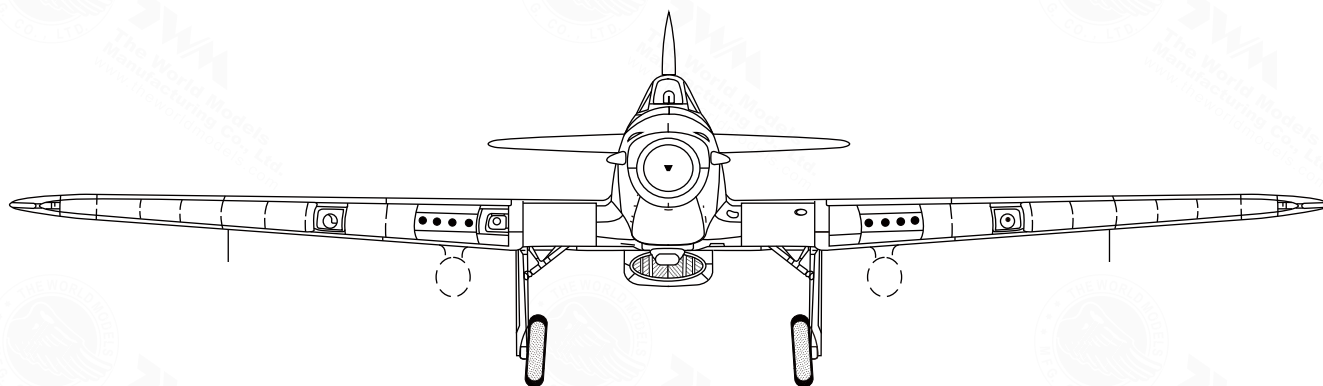
- Perfect gasoline tubing.
- Remain soft and flexible after long time use.
- Black in color.

Wind sock

Code No.	Size	Package
AT3001052	D260x900mm	1 pc







Ducted Fan

Pattern

Warbirds

Funfly

Scale

Electric

Sports

Glider

Trainer

Boat

Accessories

Covering

(Lightex / Toughlon)



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