

P-47D THUNDERBOLT EP



Requires: 5-channel radio w/ 5 micro servos,
Outrunner Motor KM0283010
w/ Propeller Adaptor HW2340100,
20A brushless ESC, 3 cells 11.1V
2100 mAh Li-Po battery & charger.

Specifications

Wing Span 39.5 in / 1000 mm

Wing Area 282 sq in / 18.2 sq dm

Flying Weight 31 oz / 880 g Fuselage Length 34 in / 870 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 electric 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 guick reference.



P-47D THUNDERBOLT EP

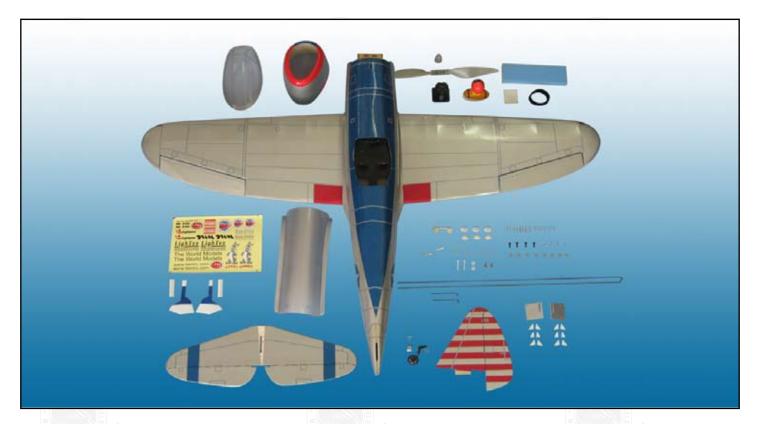
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BEFORE YOU BEGI	
	= e you begin, so you will have an overall idea of what to do.
Any parts you find to be defective warranty replacement. The material to the parts that are good before not cover any parts modified by	or all parts that will require CA or Epoxy for final assembly. The after the gluing process may be difficult to remove for suffacturer will replace any defective parts, but will not extend the gluing to defective parts during assembly. Warranty will customer. Struction manual comprise of the following:-
Apply epoxy glue.	Apply instant glue (C.A.glue, super glue.)
Apply thread locker	N.J. Must be purchased separately!
L/R 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 speci-	Pierce the shaded portion covering film.

Pay close attention here!

Warning!

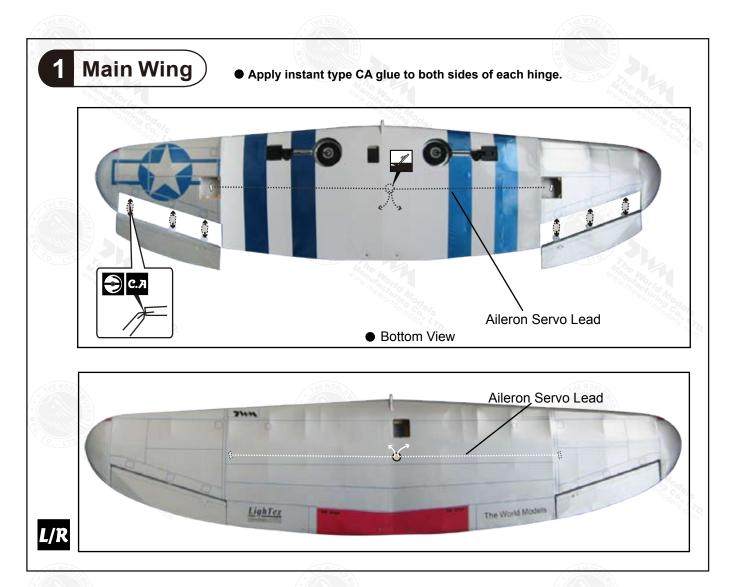
Do not overlook this symbol!



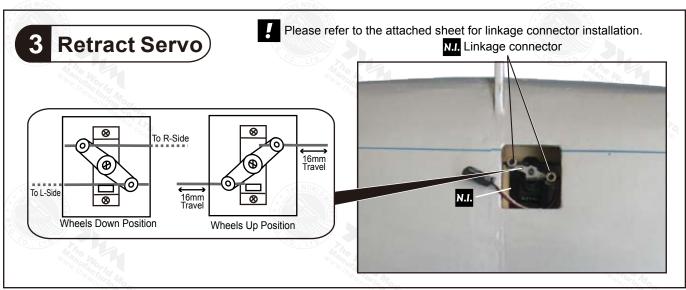
Parts List

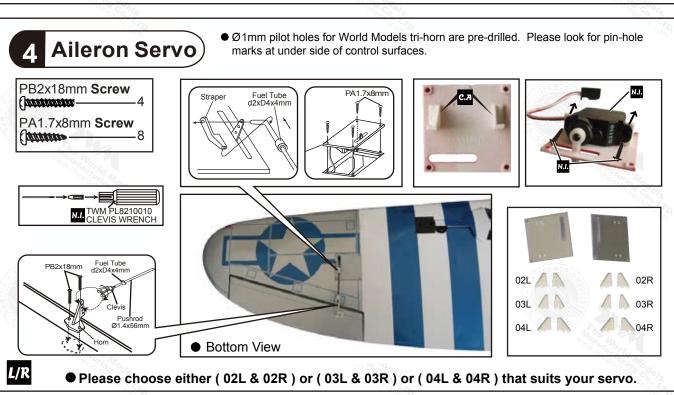
- 1. MAIN WING 1 pc.
- RETRACTABLE LANDING GEAR 1 pair SCREW KA2.3x8mm – 8 pcs
 COLLAR Ø2.6mm w/ Set Screw – 2 pcs
 MAIN WHEEL Ø40mm – 2 pcs
 RETRACTABLE LANDING GEAR COVER – 2 sets
- 3. LINKAGE CONNECTOR Ø2.1mm w/ Set Screw -- 2 sets
- 4. SCREW PB2x18mm 4 pcs
 SCREW PA1.7x8mm 8 pcs
 SREVO MOUNTING PANEL 1 pair
 FUEL TUBE d2xD4x4mm 4 pcs
 STRAPER 2 pcs
 CLEVIS 2 pcs
 HORN 2 sets
 PUSHROD Ø1.4x56mm w/ Threads (For Aileron) 2 pcs
- STABILIZER & ELEVATOR -- 1 set FUSELAGE -- 1 pc.
 SCREW PB2x8mm -- 2 pcs ELEVATOR LINK PL4510010 -- 1 pc.
- 6. VERTICAL FIN & RUDDER 1 pc.
 TAIL LANDING GEAR 1 pc.
 TAIL WHEEL Ø23mm 1 pc.
 ALUMINUM PLATE 0.3mm 1 pc.
 PLASTIC COLLAR d1xD5x2mm 2 pcs
 SCREW PA2x8mm 2 pcs
 SCREW PM2x8mm 1 pc.
 M2 NUT 1 pc.
- 7. PUSHROD Ø1.4x475mm w/ Threads (For Rudder) -- 1 pc. FUEL TUBE d2xD4x4mm -- 1 pc. CLEVIS -- 1 pc. HORN -- 1 set SCREW PB2x10mm -- 2 pcs

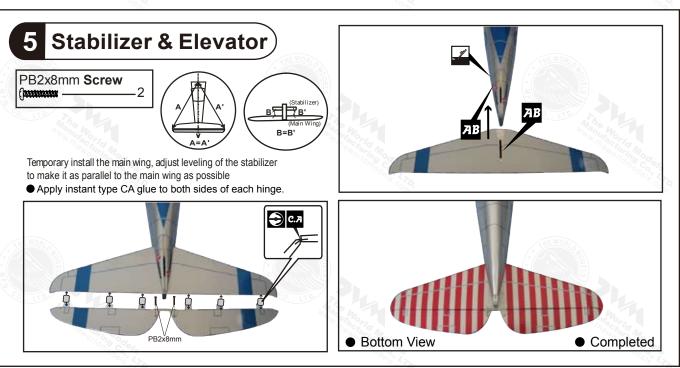
- PUSHROD Ø1.4x477mm w/ Threads (For Elevator) -- 1 pc.
 FUEL TUBE d2xD4x4mm -- 1 pc.
 CLEVIS -- 1 pc.
- 9. SOCKET HEAD SCREW M2.5x8mm 4 pcs SCREW PM3x6mm – 4 pcs SCREW PM2x12mm – 2 pcs SCREW PWA2x8mm – 4 pcs WASHER d3xD7mm – 8 pcs MOTOR MOUNT PL5440000 – 1 pc. FOLDING PROPELLER SET PL6314030 – 1 set COWLING – 1 pc. EP SPINNER NUT Ø15mm (PL23G0150) – 1 set
- 10.BATTERY TIE 200mm 1 pc. FUEL TUBE d2xD4x4mm – 2 pcs STRAPER – 2 pcs SPONGE 10x50x150mm – 1 pc. DOUBLE-SIDED TAPE 30x35mm – 1 pc.
- 11. NYLON WASHER d2.6xD9mm -- 2 pcs NYLON SCREW PM2.5x20mm -- 2 pcs BELLY PAN -- 1 pc.
- 12. CANOPY -- 1 pc. SCREW PWA2x8mm -- 4 pcs PILOT (PC101042B) -- 1 pc.
- 13. DECALS: E242XMDEC -- 1 set
 - COVERING:--LIGHTEX SGX 100 WHITE LIGHTEX SGX 550 PEARL BLUE LIGHTEX SGX 242000 LIGHTEX SGX 242001



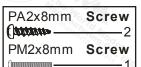




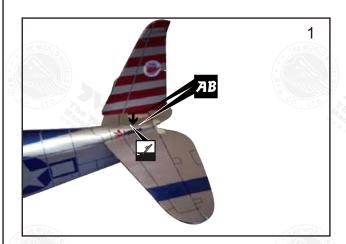


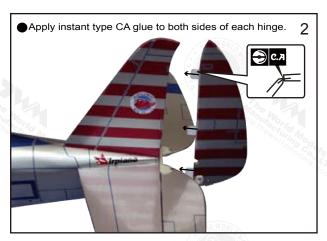


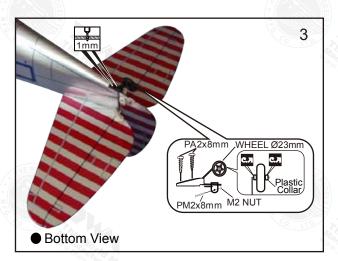
6 Vertical Fin, Rudder & Tail Landing Gear









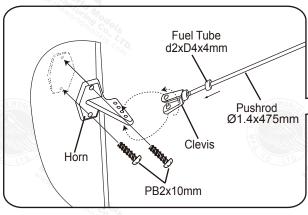


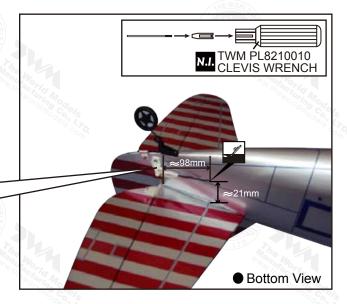


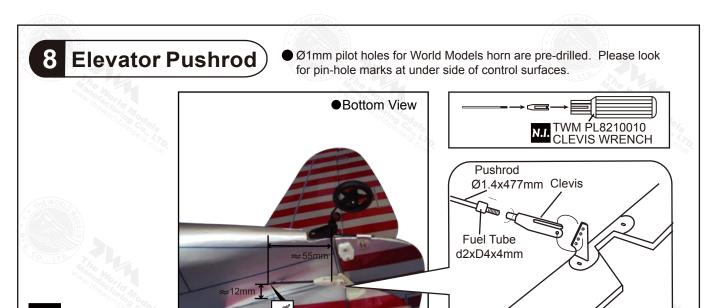


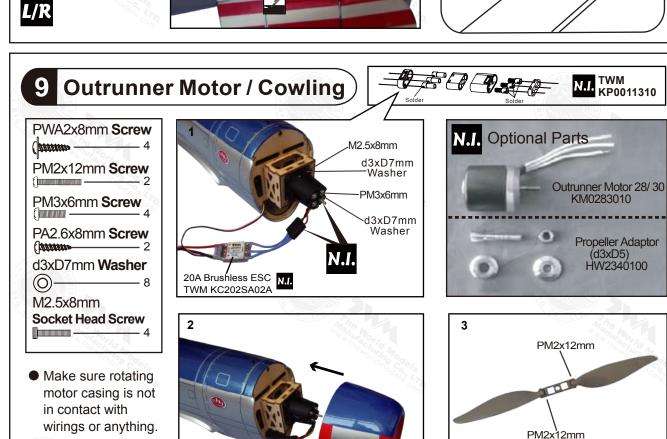
Ø1mm pilot holes for World Models horn are pre-drilled. Please look for pin-hole marks at under side of control surfaces.

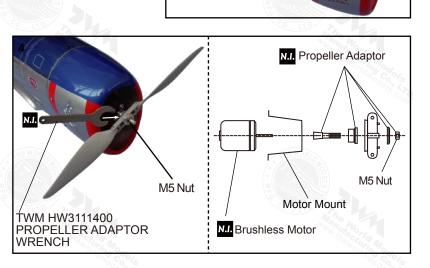
PB2x10mm Screw
() 2

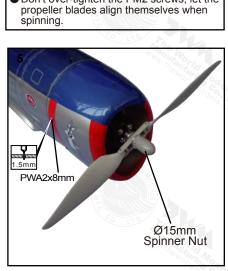










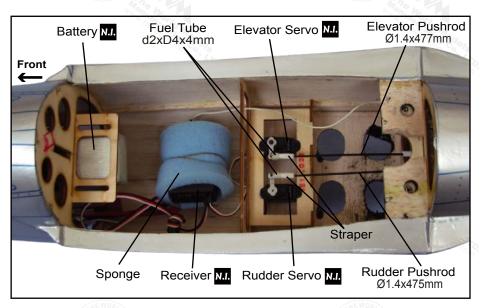


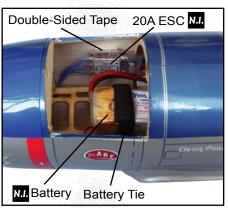
Don't over-tighten the PM2 screws, let the

KP0011310

10 Radio equipment

 Install and arrange the servo as shown in the diagram.



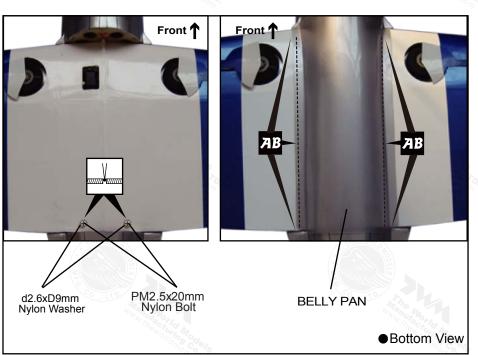




11 Main Wing





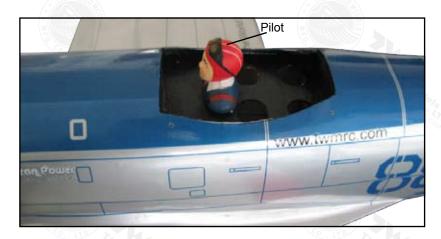




PWA2x8mm Screw



Canopy





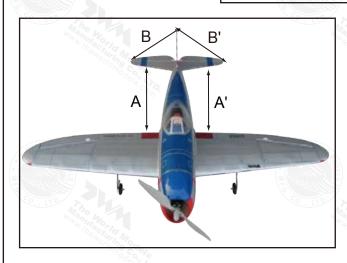
L/R

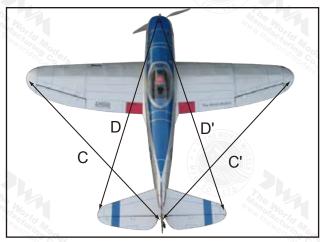
13 Wing Setting

A=A' B=B' C=C' D=D'



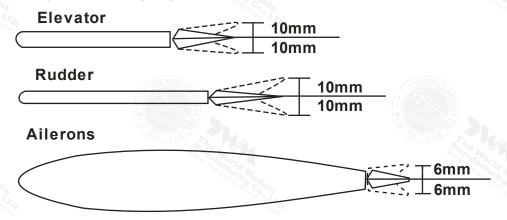






14 Control Throws

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



15 C.G.

The ideal C.G. position is 68mm (2.7in) 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.



Measure C.G. with the wheels in retracted position.

! 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.
- # P-47D THUNDERBOLT EP is specially designed to be powered by KM0283010 Outrunner Motor.
- # 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.

Optional Parts

(ACCESSORIES)

3 - Pin EZ Connector



-ideal for electric models

2 - Pin EZ Connector



-ideal for electric models

Propeller Adaptor Wrench



Brushless ESC



Voltage Range : 5.6 ~ 16.8V

- Current: 25A continuous

- Current (Burst, <10 seconds): 30A - Weight: 24 g

(with wires and connector)

- BEC: 5V / 2A

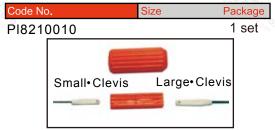
- Low Voltage Cut-off : /
- Light weight with low internal resistance for high current operation

- BEC function for Li-ion / Li-poly 2 – 4 cells; Nimh / Nicd 5 – 12 cells operation.

- Low battery voltage auto cut off to reserve power to the servos.

Safe start up motor.

Clevis Wrench

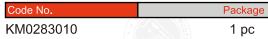


Special tool for clevis installation. Suitable for standard and small (EP) clevis.

Propeller Adaptor

Code No.	Size	Package
HW2340100	d3xD5	1 set
	1	
	4	
10	THE REAL PROPERTY.	Ting Cols
470	Name of Street	(e/s/L)

Outrunner 28/30





-Max speed: 12000 rpm -Kv (rpm/V): 1015 -Operating Power: 180W -Operating Voltage: 6-12V -Operating Current: 15A

-Peak Current: 20A (max. 15 sec.) -Internal Resistance: 95 m ohms

-Diameter: 28mm -Length: 30mm

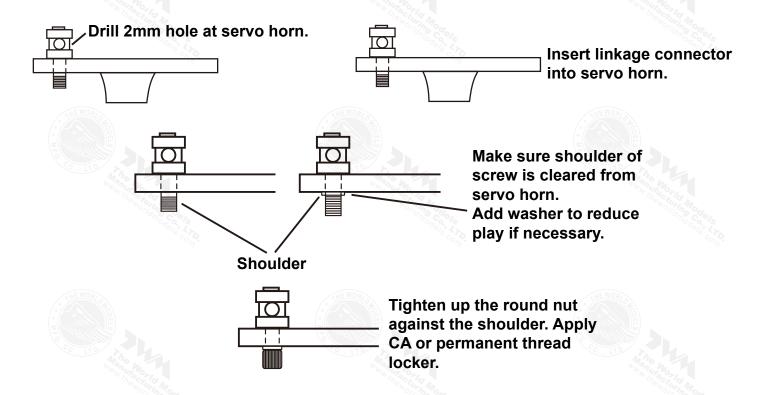
-Weight: 60g -Shaft Diameter: 3mm

-Shaft Length: 14.8 mm

-Mounting Screw: M3

-Distance of Mounting Holes: Front (16mm and 19mm)

LINKAGE CONNECTOR HW7111050 & HW7111060



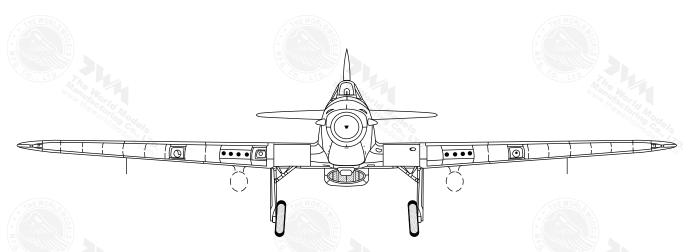
After fastening the round nut, make sure that the linkage connector can rotate freely.

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, 2403 Research Drive, Livermore, CA 94550 USA.

1. Name:		
2. Address:	THE WOR	THE WORL
3. Phone #:	E-mail:	- 170 10 170
4. Model:		
Wing QC#Fuselage QC#(QC numbers are stamped on wing and fuselage)		
5. Date of Purchase:	THE WORLD	THE WOR
6. Store Name:	HE SEE	

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



Ducted Fan

Pattern

Warbirds

Funfly

Scale

Electric

Sports

Glider

Trainer

Boat



Covering

(Lightex / Toughlon)

