IDDEDITION MANUAL

P-47D THUNDERBOLT



1.20 cu. in. displacement 4-stroke Requires: 6-channel radio w/ 7 standard servos and 2 low profile retract servos

Specifications

Wing Span Wing Area Flying Weight Fuselage Length 70 in / 1780 mm 893 sq in / 56.7 sq dm 10.7 lbs / 4850 g 67 in / 1580 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

P-47D THUNDERBOLT

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.

Symbols used throughout this instruction manual comprise of the following : -



Apply epoxy glue.



Applythreadlocker



Assemble left and right sides the same way.



Peel off shaded portion covering film.



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



Pay close attention here!



Apply instant glue (C.A.glue, super glue.)



Must be purchased separately!



Ensure smooth non-binding movement while assembling.



Cut off shaded portion.



Pierce the shaded portion covering film.



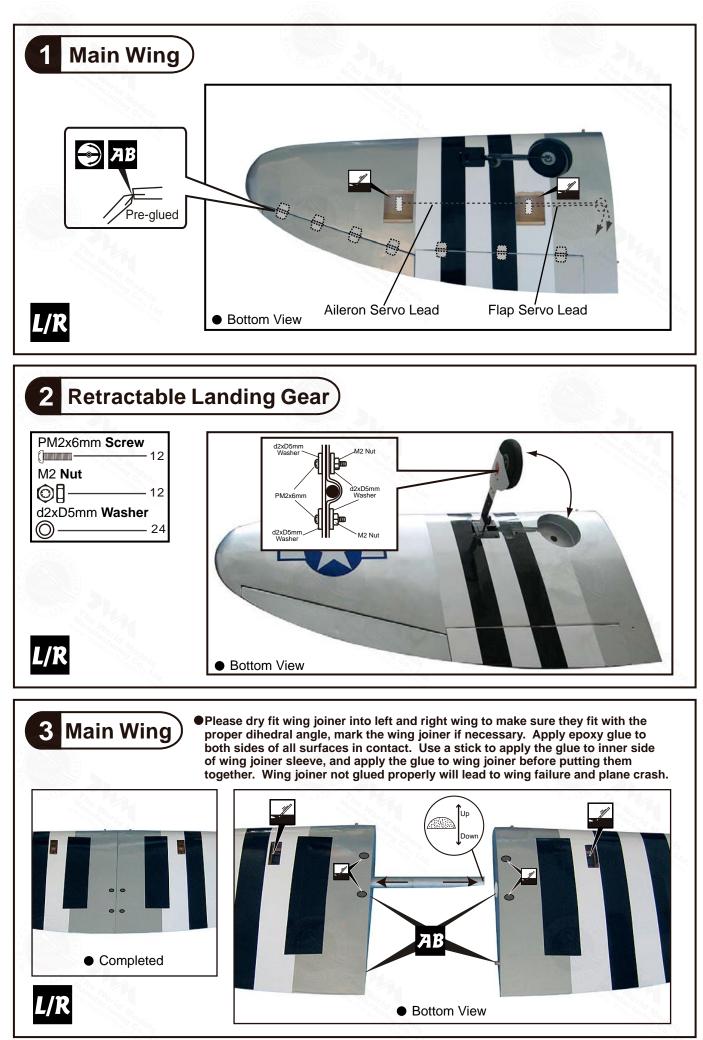
Do not overlook this symbol!

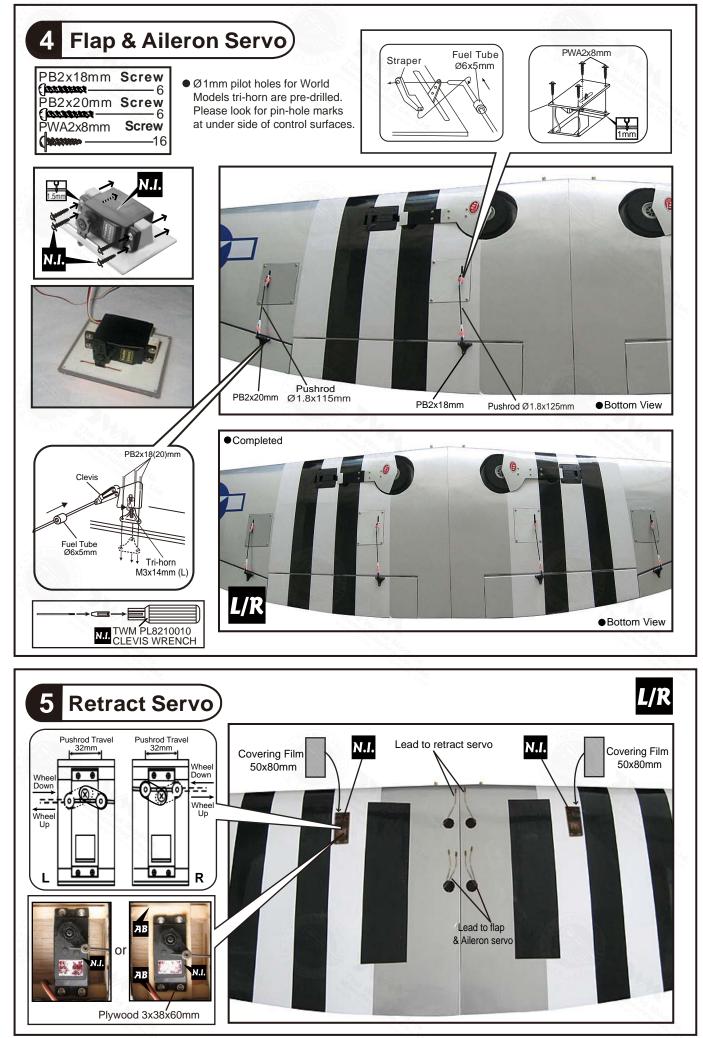


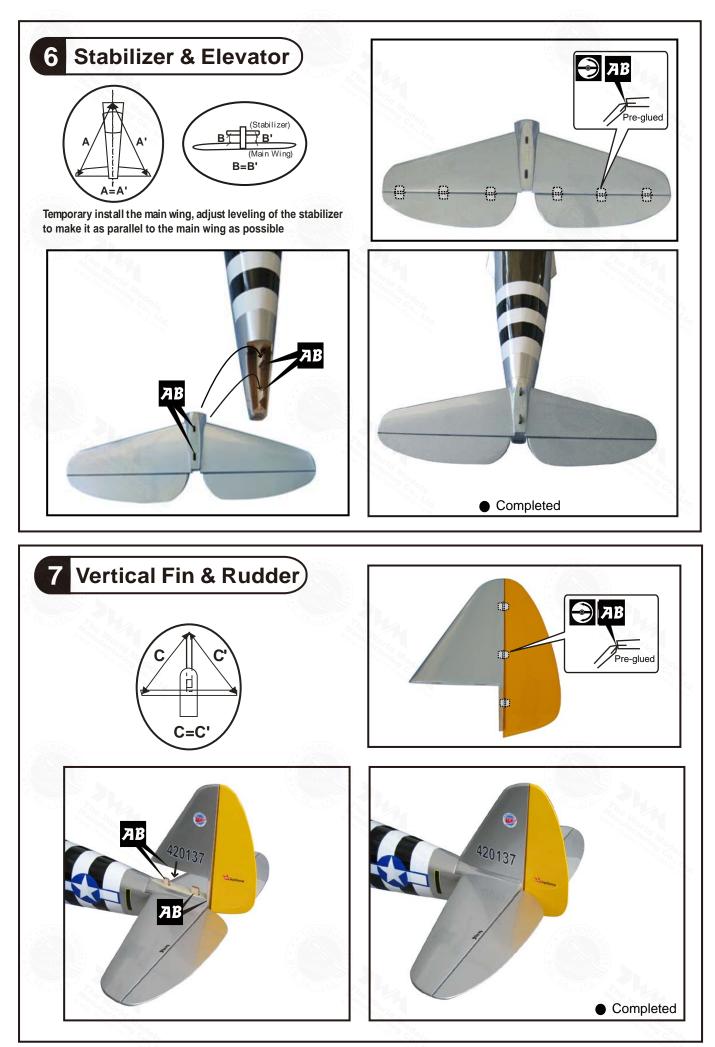
Parts List

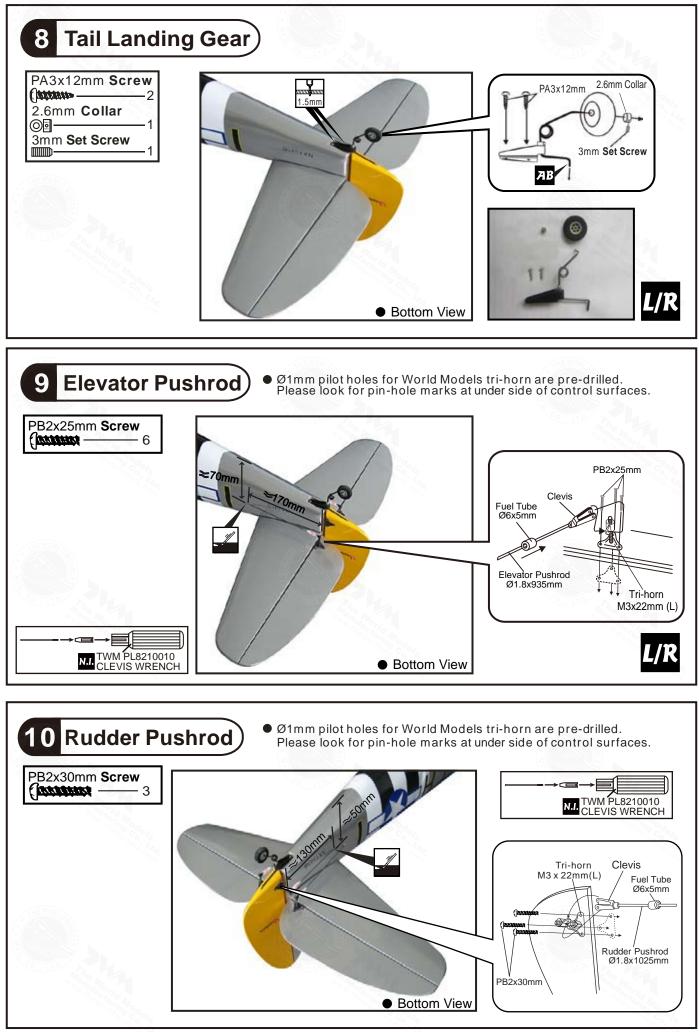
- 1. MAIN WING -- 1 pair
- 2. RETRACTABLE LANDING GEAR -- 1 pair MAIN WHEEL PL3112090 Ø90mm -- 2 pcs MAIN LANDING GEAR COVER -- 1 pair PVC PLATE 0.5mm -- 2 pcs SCREW PM2x6mm -- 12 pcs M2 NUT -- 12 pcs WASHER d2xD5mm -- 24 pcs
- 3. WING TUBE Ø25.4x500mm -- 1 pc.
- 4. SCREW PB2x18mm -- 6 pcs SCREW PB2x20mm -- 6 pcs SCREW PWA2x8mm -- 16 pcs TRI-HORN M3x14mm(L) PL4111185 -- 4 sets SERVO MOUNTING PANEL PL5310000 -- 4 pcs PUSHROD Ø1.8x115mm (For Aileron Servos) -- 2 pcs PUSHROD Ø1.8x125mm (For Flap Servos) -- 2 pcs STRAPER PL4112102 -- 4 pcs CLEVIS PL4112103 -- 4 pcs FUEL TUBE D6x5mm -- 8 pcs
- LINKAGE CONNECTOR 2.1mm HW7111060 -- 2 sets COVERING FILM 50x80mm -- 2 pcs PLYWOOD 3x38x60mm -- 2 pcs
- 6. FUSELAGE -- 1 pc. STABILIZER & ELEVATOR -- 1 set
- 7. VERTICAL FIN & RUDDER -- 1 set
- 8. TAIL LANDING GEAR PL7100002 -- 1 set SCREW PA3x12mm -- 2 pcs COLLAR 2.6mm w/ set screw -- 1 set TAIL WHEEL Ø30mm -- 1 pc.
- 9. SCREW PB2x25mm -- 6 pcs PUSHROD Ø1.8x935mm w/ Threads (For Elevator Servo) -- 2 pcs TRI-HORN M3x22mm PL4111251 -- 2 sets CLEVIS PL4112103 -- 2 pcs FUEL TUBE D6x5mm -- 2 pcs
- 10. SCREW PB2x30mm -- 3 pcs PUSHROD Ø1.8x1025mm w/ Threads (For Rudder Servo) -- 1 pc. TRI-HORN M3x22 mm PL4111251 -- 1 set CLEVIS PL4112103 -- 1 pc. FUEL TUBE D6x5mm -- 1 pc.
- 11. SOCKET HEAD SCREW M6x30mm -- 4 pcs WASHER d6xD15mm -- 4 pcs BLIND NUT M6x18mm -- 4 pcs ENGINE MOUNT PL5911120 -- 1 set DOWEL Ø7.2x9mm (For Firewall) -- 4 pcs
- A213PO25911108

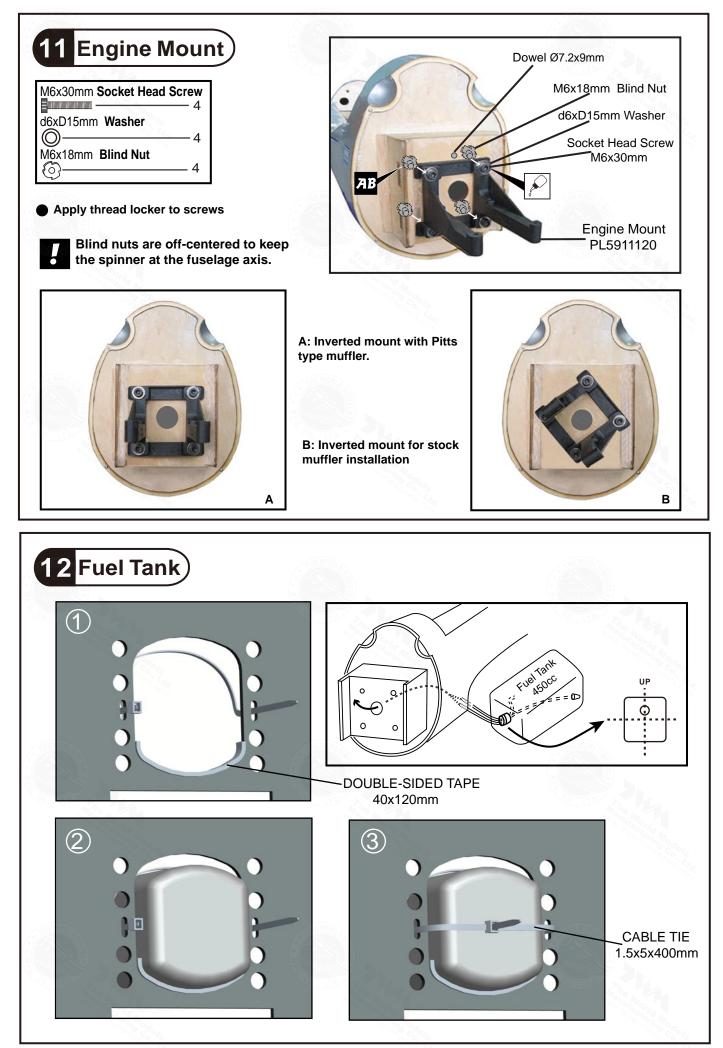
- 12. FUEL TANK 450cc PL1111450 -- 1 set CABLE TIE (For Fuel Tank) 1.5x5x400mm -- 1 pc. DOUBLE-SIDED TAPE 40x120mm -- 1 pc.
- 13. LINKAGE CONNECTOR 2.1mm HW7111060 -- 1 set
- 14. THROTTLE PUSHWIRE Ø1.2x430mm -- 1 pc. PLASTIC TUBE d2xd3x200mm -- 1 pc. ENGINE MOUNT ALUMINUM PLATE HW2604210 -- 1 pc. ANTI-VIBRATION MOUNT 4C-120 PL5214092 -- 1 set INCLUDE: SOCKET HEAD SCREW M4x35mm -- 4 pcs SCREW KM3x20mm -- 8 pcs WASHER d4xD12mm -- 8 pcs M3 NYLON INSERT LOCK NUT -- 8 pcs M4 NYLON INSERT LOCK NUT -- 4 pcs
- 15. FUEL TUBE D6x5mm -- 2 pcs STRAPER PL4112102 -- 2 pcs SPONGE 10x80x200mm -- 2 pcs PUSHROD Ø1.8x100mm -- 1 pc. PUSHROD CONNECTOR PL4410010 -- 1 set PLYWOOD 6x67x120mm (For Servo Stand) -- 1 pc. BALSA 8x8x67mm (For Servo Stand) -- 2 pcs
- 16. SCREW HM4x60mm -- 2 pcs WASHER d4xD15mm -- 2 pcs PLYWOOD 3x30x112mm (Wing Protection) -- 1 pc.
- 17. AIR SCOOP -- 1 pc. SUPER CHARGER EXIT -- 1 pc. INTERCOOLER AIR EXIT -- 2 pcs
- 18. CANOPY -- 1 pc. DOUBLE SIDED TAPE 6x900mm -- 1 pc. SCREW PWA2.3x8mm -- 4 pcs SILICON GROMMET d1.5xD6.5mm -- 4 pcs PILOT PC001085A -- 1 pc.
- 19. COWLING -- 1 pc. TRANSPARENT 3D TEMPLATE -- 1 pc. COWLING BRACKET PL5320010 -- 6 pcs QUICK RELEASE NYLON RIVET PL1208042 -- 6 pcs SCREW KA2.3x8mm -- 6 pcs OIL COOLER SHUTTER -- 2 pcs SCREW PWA2.6x12mm -- 12 pcs SPINNER NUT Ø25mm HW2340001 -- 1 set
- 20. DECALS: A213DEC -- 1 set
- COVERING:--TOUGHLON STL 370 SILVER TOUGHLON STL 340 OLIVE DRAB LIGHTEX SGX 100 WHITE LIGHTEX SGX 201 BLACK

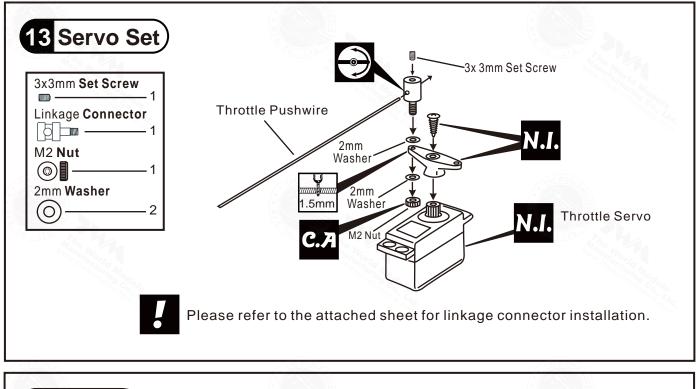


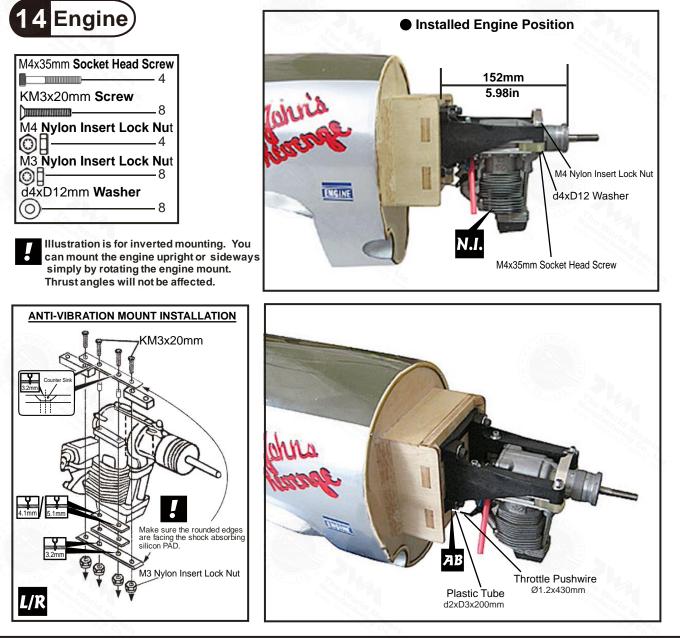


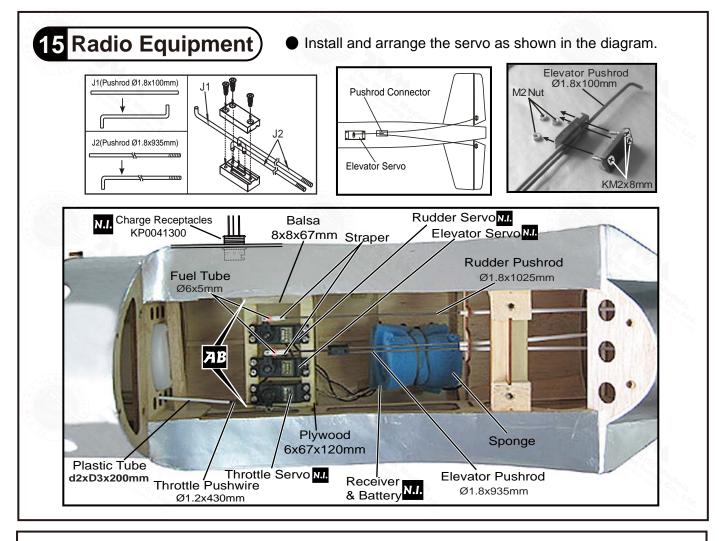


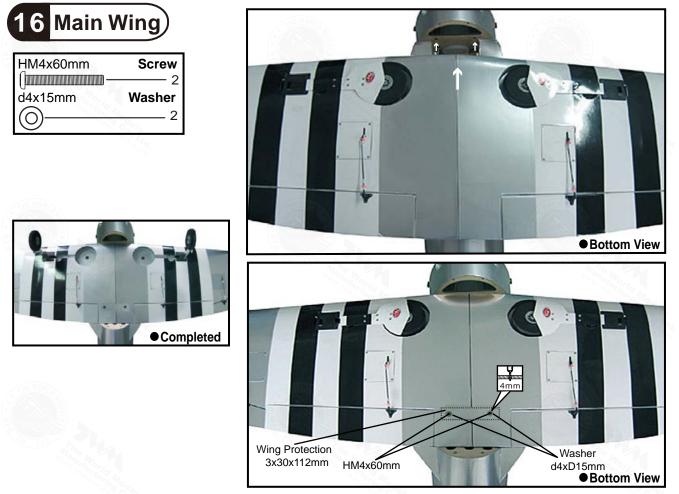


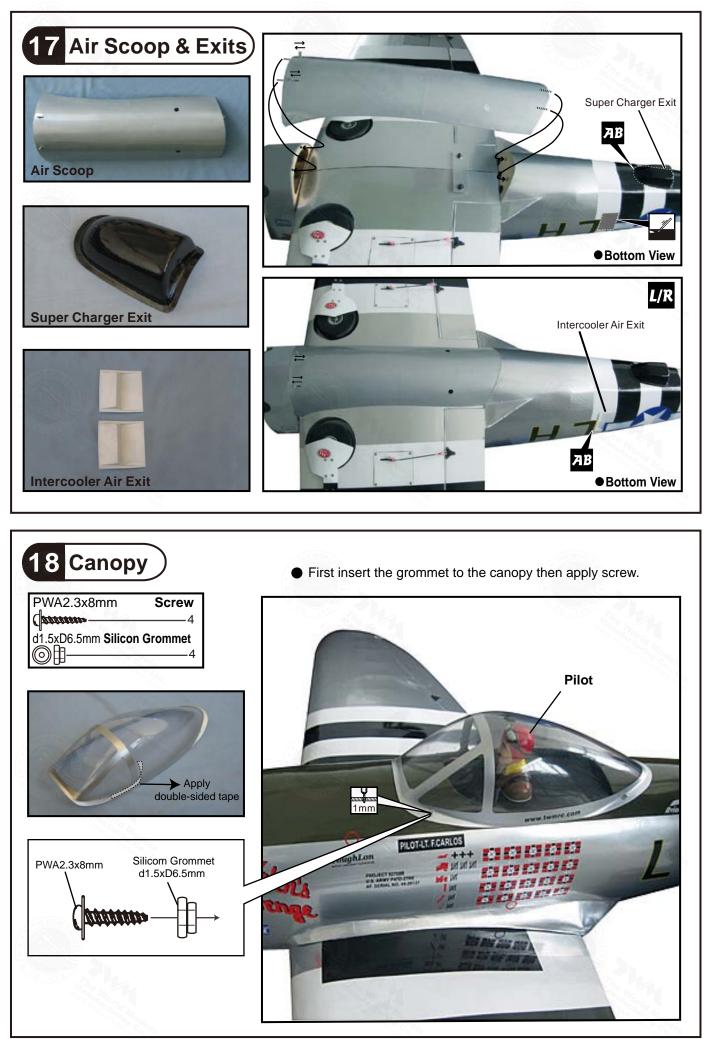


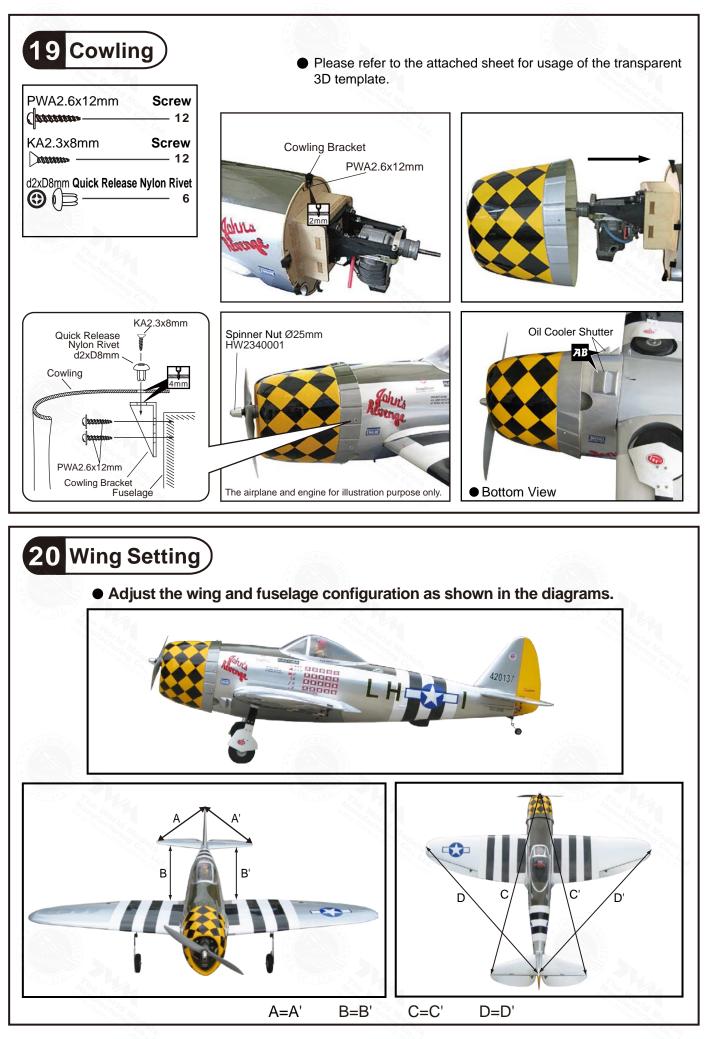


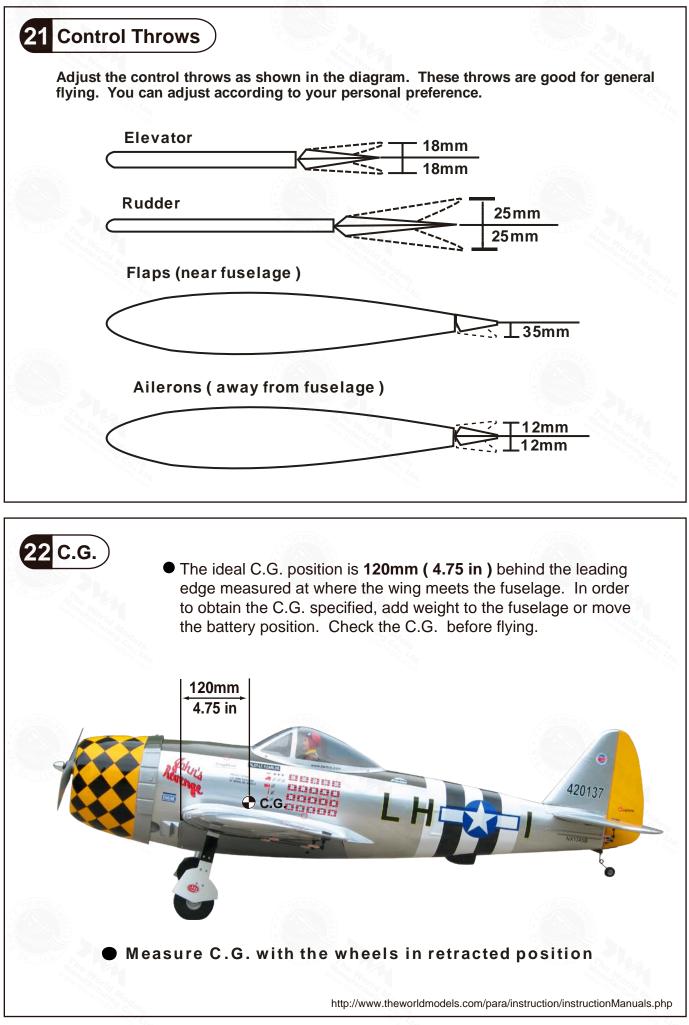










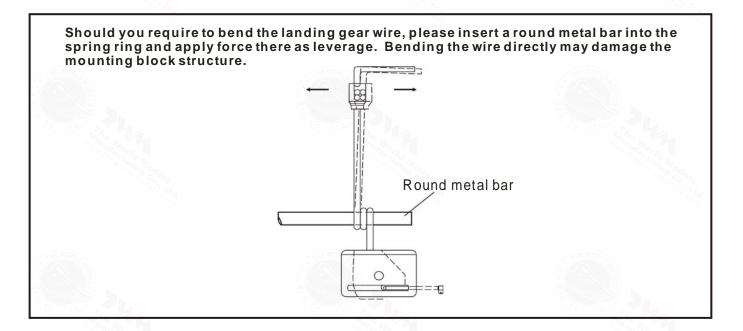


Warning!

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 preadjusted aircraft.
- # P-47D THUNDERBOLT is specially designed to be powered by 1.20 4-stroke glow 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.

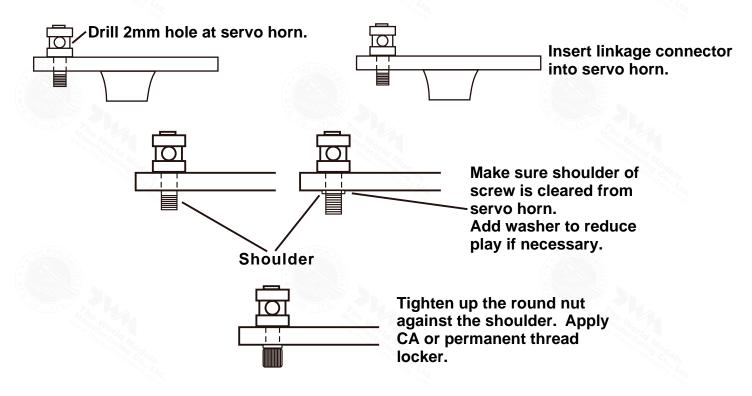
When Flaps are lowered, nose of model will rise. The nose-up varies with the speed at which the model is flying when you lower the flaps and the extent to which they are lowered. Check effect of flaps at higher altitude to avoid surprises during landing. You may apply down trim of the elevator to compensate for the nose-up effect when lowering the flaps. Taking off with flaps lowered is not recommended, as the increased drag may require a longer runway and more engine power for the model.



Landing Gear

Should you need to bend the landing gear wire, use the radio control to open or close the gear to 25% from fully retracted position and switch off the receiver. It is safe to bend the wire in this position. Bending the wire in fully open position may damage the supporting structure.

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# Fu (QC numbers are stamped	selage QC# d on wing and fuselage)	
5. Date of Purchase:		
6. Store Name:		

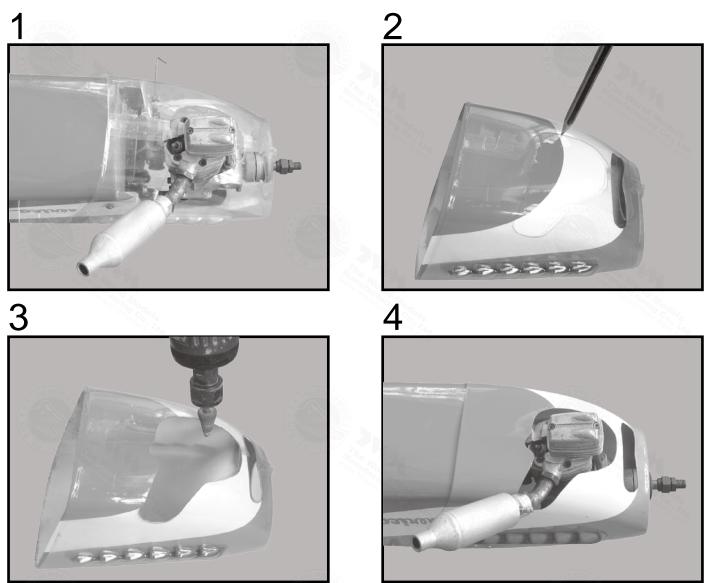
Please call AirBorne Models at 925 371 0922 for any assistance in filling this form. Thank you very much for purchasing our product.



Usage of the transparent 3D template



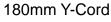
This transparent 3D template is used for position guidance of the actual cutting of the pre-painted cowling.



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. A213PO25911108

Optional Parts (MACCESSORIES)







For park flyers of small electric models



KP0041300

Code No.



Field Stand

Code No.

Size MS9111430 600 x 240 x 310mm 1 pc

Package



Fuel Filler

Code No.

PL8110030 15 x 22 x 49mm 1 x 1 pc

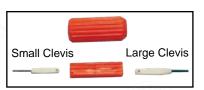


Clevis Wrench

Code No. PL8210010

1 set

Pack

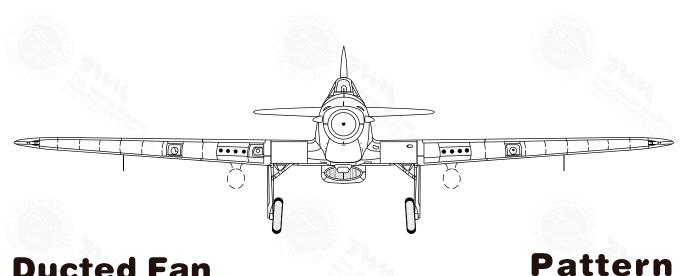


Special tool for clevis installation. Suitable for standard and small (EP) clevis.

Standard Servo Code No SV4031



Speed : 0.17 sec / 60° @4.8V 0.14 sec / 60° @6.0V Torque : 3.2kg.cm / 44.8 oz - in @4.8V 4.1kg.cm / 57.4 oz - in @6.0V Size : 40.6 x 20 x 37mm / 1.60 x 0.79 x 1.46 in Weight : 39.4 g / 1.39 oz



Ducted Fan

Warbirds

Funfly

Electric

Scale

Sports

Glider

Trainer

Boat

Accessories

Covering

(Lightex / Toughlon)

