

Impulse xp



1.40-1.70 cu. in. displacement 4-stroke

Requires: 4 channel radio w/ 5 servos

Specifications

Wing Span Wing Area Flying Weight **Fuselage Length** 75 in / 1910 mm 1028 sq in / 66.3 sq dm 9.9-10.3 lbs/ 4500-4700 g 77.5 in / 1965 mm

Specifications are subject to change without notice.



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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.
- 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!



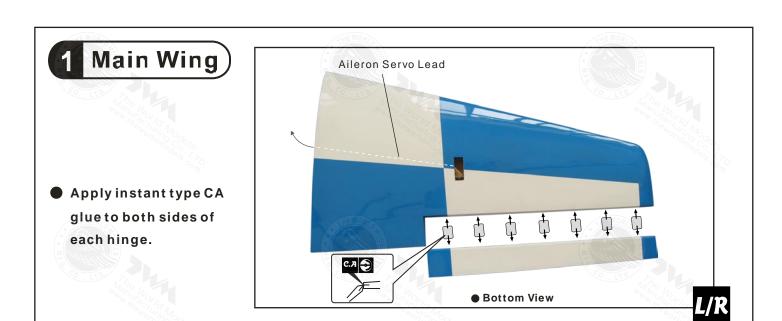
Do not overlook this symbol!

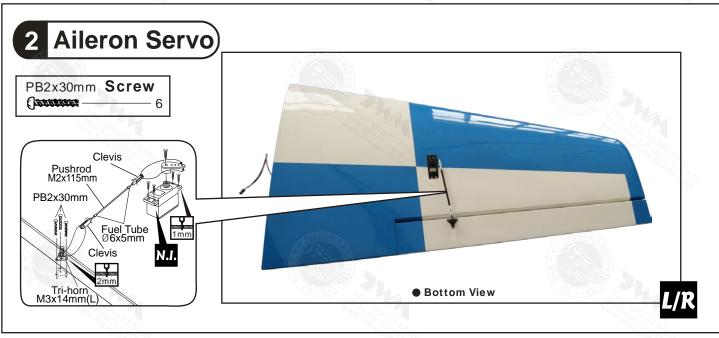


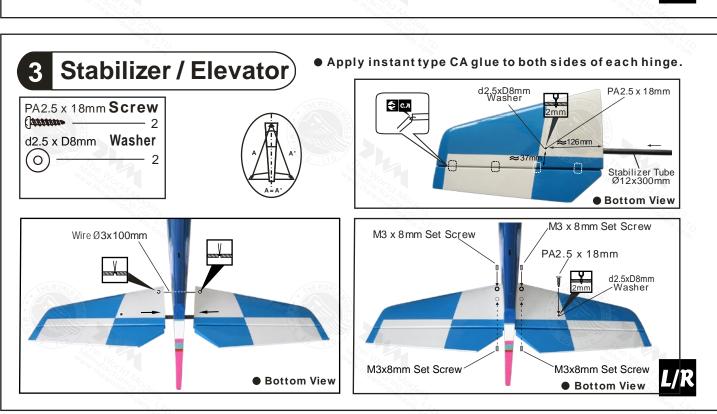
Parts List

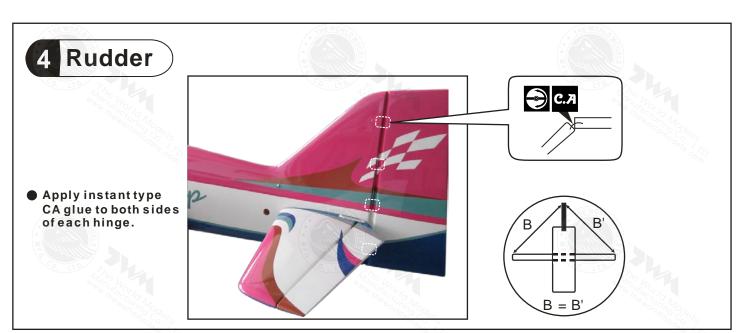
- 1. MAIN WING -- 1 set C.A. HING -- 14 pcs
- 2. PUSHROD M2x115mm w/Threads (For Aileron Servo) -- 2 pcs FUEL TUBE Ø6x5mm -- 4 pcs CLEVIS (L)-- 4 pcs SCREW PB2x30mm -- 6 pcs TRI-HORN M3x14mm (L) -- 2 sets
- 3. FUSELAGE -- 1 pc.
 STABILIZER & ELEVATOR -- 1 set
 STABILIZER TUBE Ø12x300mm -- 1 pc.
 WIRE Ø3x100mm -- 1 pc.
 SCREW PA2.5x18mm -- 2 pcs
 WASHER d2.5xD8mm -- 2 pcs
 C.A. HING -- 8 pcs
- 4. RUDDER -- 1 pc. C.A. HING -- 4 pcs
- 5. TAILLANDING GEAR Ø2mm -- 1 set SCREW PA3x10mm -- 2 pcs TAIL WHEEL Ø23mm -- 1 pc. COLLAR Ø2.1mm w/set screw -- 1 set SPRING Ø4x95mm -- 1 pc. PLASTIC RING -- 1 pc.
- 6. MAIN LANDING GEAR -- 1 pair
 MAIN WHEEL Ø55mm -- 2 pcs
 WHEEL PANTS -- 1 pair
 COLLAR Ø4.1mm w/ set screw -- 2 sets
 PLASTIC COLLAR d4.1xD8x3mm -- 4 pcs
 SOCKET HEAD SCREW M3x15mm -- 4 pcs
 AXLE SHAFT Ø4x49mm -- 2 pcs
 SCREW PA3x12mm -- 2 pcs
 WASHER d3.2xD12mm -- 4 pcs
 WASHER d5xD12mm -- 4 pcs
 M5 NYLON INSERT LOCK NUT -- 2 pcs
- 7. SWIVEL CLEVIS HORN FAIRING PL4610020 -- 1 set
 HEAVY DUTY CLEVIS PL4112200 -- 2 sets
 HEAVY DUTY HORN BRACKET PL4112400 -- 2 sets
 SCREW M4x80mm -- 1 pc.
 M4 NYLON INSERT LOCK NUIT -- 2 pcs
 WIRE Ø1x1050mm (For Rudder) -- 2 pcs
 EYE SCREW M2.5x8x25mm -- 2 pcs
 COPPER TUBE d2.5xD3.2x8mm -- 2 pcs

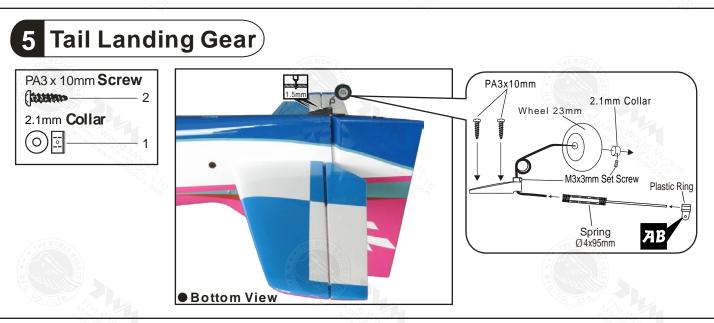
- 8. PUSHROD M2x192mm w/Threads (For Elevator) -- 2 pcs
 PUSHROD M3x725mm w/Threads (For Elevator) -- 1 pcs
 TRI-HORN M3x14mm(L) -- 2 sets
 SCREW PB2x25mm -- 6 pcs
 HEAVY DUTY CLEVIS PL4112200 -- 1 set
 CLEVIS PL4112103(L) -- 4 pcs
 FUEL TUBE Ø6x5mm -- 4 pcs
 SCREW KA2x12mm -- 4 pcs
 ELEVATOR BELLCRANK SET -- 1 set
 SCREW PA3.5x8mm -- 2 pcs
 BALL BEARING -- 2 pcs
- 9. LINKAGE CONNECTOR 2.1mm -- 1 set
- 10. ALUMINIUM PLATE 10x10x26mm -- 2 pcs SOCKET HEAD SCREW M3x25 -- 2 pcs SOCKET HEAD SCREW M4x25 -- 2 pcs
- 11. FUEL TANK 500cc -- 1 set
 CABLE TIE(For Fuel Tank) -- 2 pcs
 THROTTLE PUSHWIRE Ø1.2x320mm -- 1 pc.
 PLASTIC TUBE d2xD3x200mm -- 1 pc.
 PLYWOOD 3x4x61mm(For Throttle Servo) -- 1 pc.
 BALSA 6x6x61mm(For Throttle Servo Stand) -- 2 pcs
- 12. UNDER COWLING -- 1 pc.
 BELLY PAN -- 1 pc.
 SPINNER Ø90mm (w/alu. back plate) -- 1 set
 SCREW PWM2.5x12mm -- 2 pcs
- 13. WING INCIDENCE ANGLE ADJUSTER -- 2 pcs SPONGE 60x70x122mm -- 1 pc. COPPER TUBE D2.5xD3.2x8mm (For Rudder) -- 2 pcs HEAVY DUTY SERVO HORN PL4120600 -- 1 set HEAVY DUTY CLEVIS PL4112200 -- 3 sets EYE SCREW M2.5x8x25mm -- 2 pcs SOCKET HEAD SCREW 3x30mm -- 2 pcs M3 NYLON INSERT LOCK NUT -- 2 pcs PLYWOOD 3x12x130mm(For Elevator Pushrod) -- 1 pc.
- 14. WING TUBE D24x648mm -- 1 pc. SOCKET HEAD SCREW M6x20mm -- 4 pcs WASHER d6.1xD15mm -- 4 pcs
- 15. COCKPIT -- 1 pc. SCREW PWM2.5x12mm -- 2 pc. ONE SIDE STICKER SPONGE -- 1 set

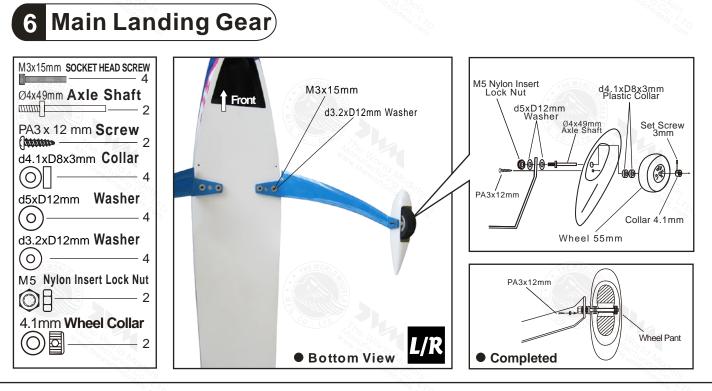


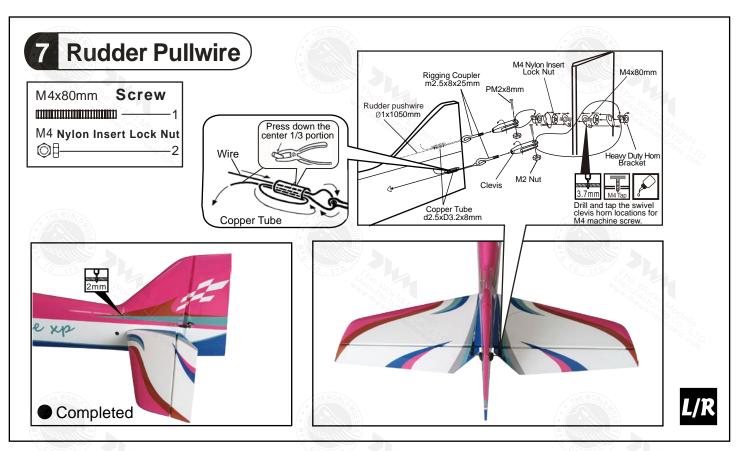


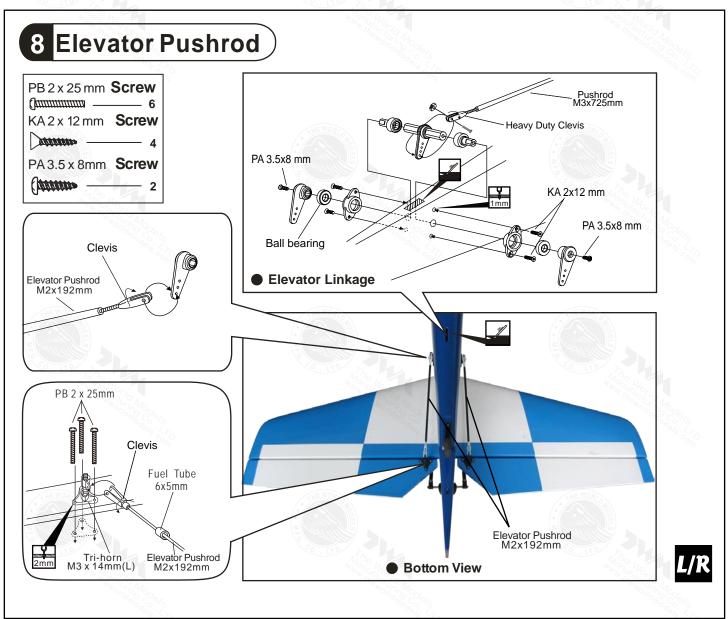


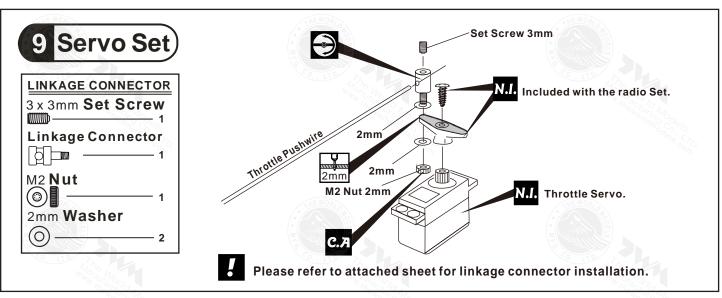


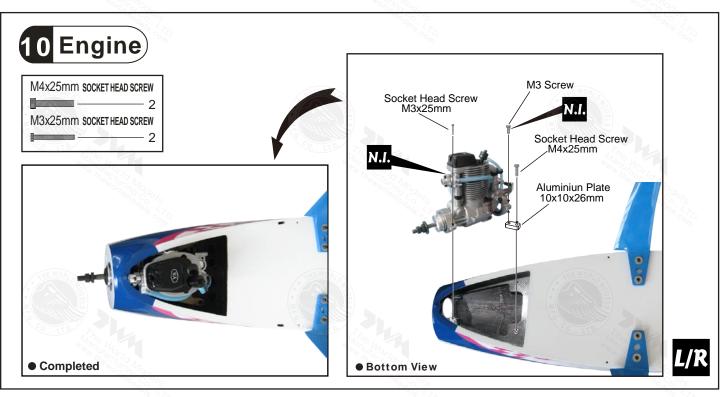


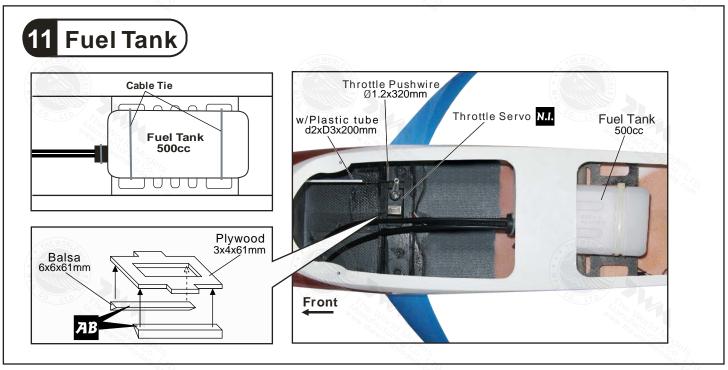




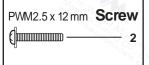


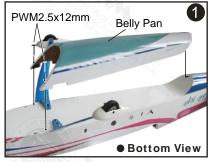






12 UNDER COWLING&BELLY PAN





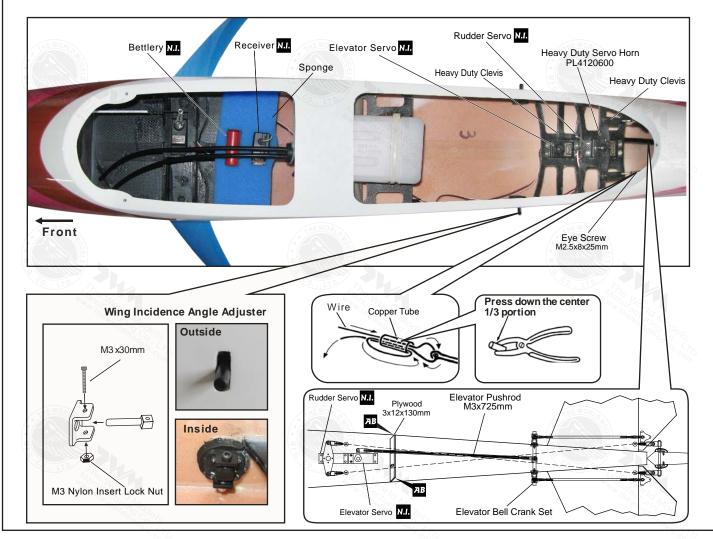






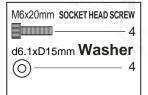


• Install and arrange the servos shown in the diagram.





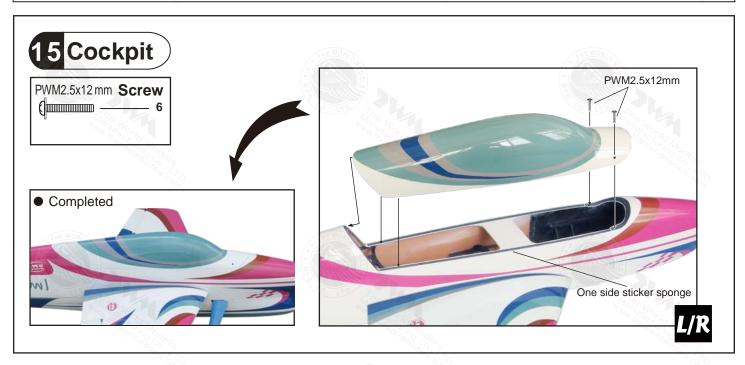
 Center wing tube in airplane. Slide wings onto fuse and secure with M6x20mm Socket Head Screws and d6.1xD15mm washers. You must use blue lock tite on the screws.



■ Top View



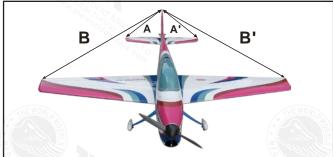


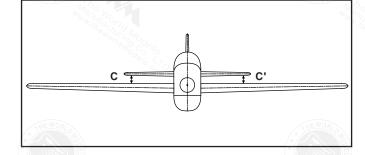


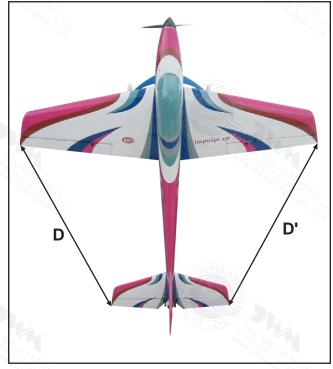


• Adjust the wing and fuselage configuration as shown in the diagrams.

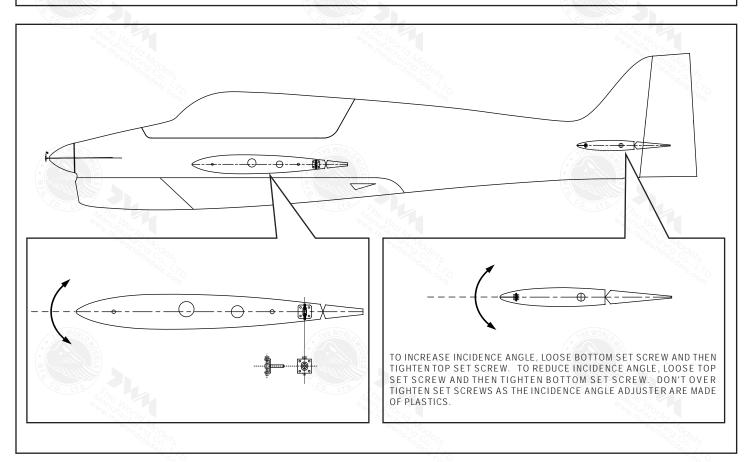


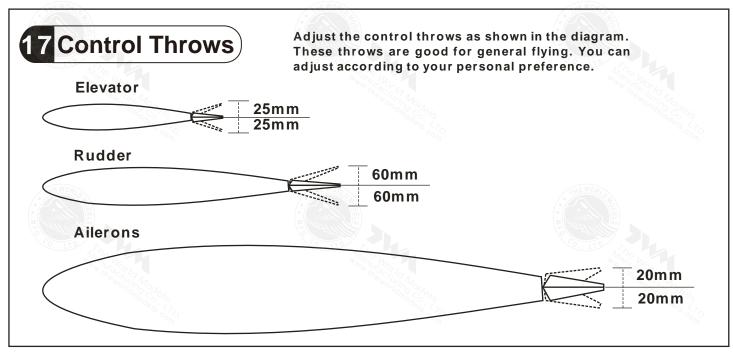






A=A' B=B' C=C' D=D'







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.
- # Impulse 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.
- # Check and re-tighten up all factory assembled screws, use thread locker if necessary.

LINKAGE CONNECTOR

HW7111050 & HW7111060

