

P-51 MUSTANG 46

A055S)



0.46 cu. in. displacement 2-stroke

Requires: 5-channel radio w/ 5 standard servos

Specifications

Wing Span
Wing Area
Flying Weight
Fuselage Length

57.5 in / 1460 mm 585 sq in / 37.4 sq dm 6 lbs / 2.7 kg 49.6 in / 1260 mm

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.



^{*} Specifications are subject to change without notice.*

P-51 MUSTANG 46

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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.
- 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



Ensure smooth non-binding movement while assembling.



Assemble left and right sides the same way.



Cut off shaded portion.



Peel off shaded portion covering film.



Must be purchased separately!



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



Pierce the shaded portion covering film.



Pay close attention here!



Do not overlook this symbol!

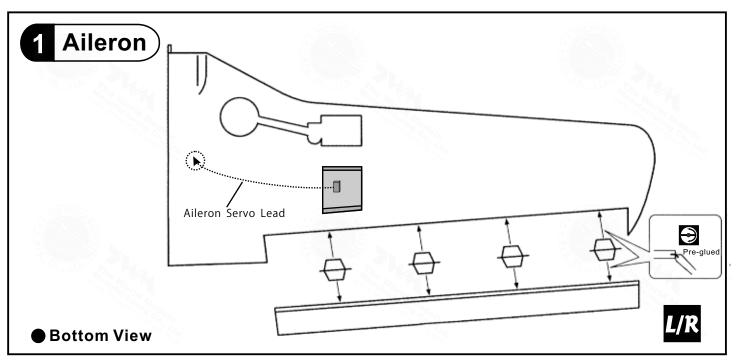


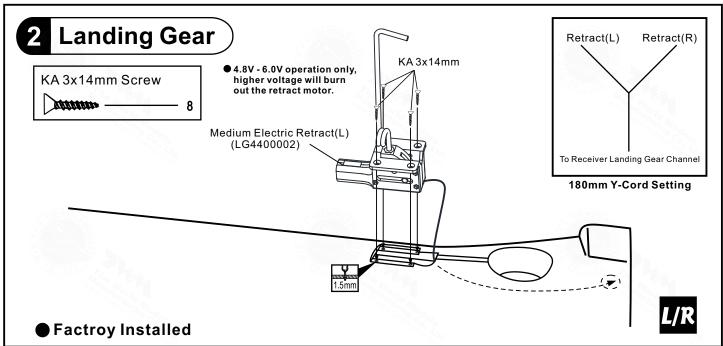
Parts List

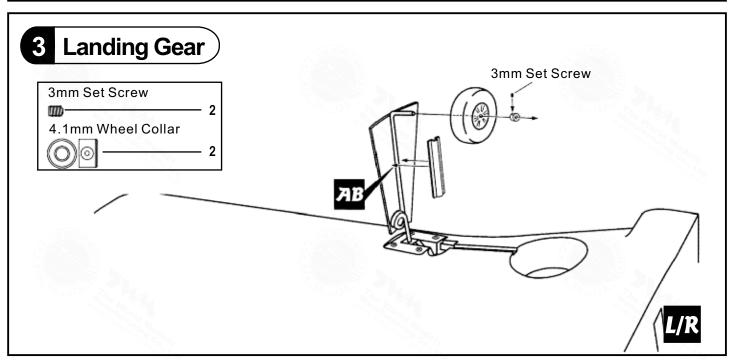
- 1. MAIN WING -- 1 pair
- 2. MEDIUM ELECTRIC RETRACT LG4400002 -- 1 pair 180mm Y-CORD KW0021800 -- 1 pc.
- 3. MAIN LANDING GEAR COVER -- 1 set
- 4. WING JOINER 9x32.8x95mm -- 1 pc.
- 5. SCREW PWA2.3x8mm -- 8 pcs BALSA 8x18x21mm (For Aileron Servo) -- 4 pcs PLYWOOD 2x55x85mm (For Aileron Servo) -- 1 pc.
- 6. SCREW PB2x14mm -- 4 pcs SCREW PB2x10mm -- 2 pcs FUEL TUBE Ø6x5mm -- 4 pcs TRI-HORN M3x14mm (S) PL4111221 -- 2 sets STRAPER PL4112102 -- 2 pcs CLEVIS PL4112103 -- 2 pcs PUSHROD Ø1.8x90mm w/ Threads (For Aileron Servo) -- 2 pcs
- 7. STABILIZER & ELEVATOR -- 1 set FUSELAGE -- 1 pc.
- 8. VERTICAL FIN & RUDDER -- 1 set
- 9. TAIL LANDING GEAR PL7100001 -- 1 set WHEEL Ø25mm -- 1 pc. COLLAR Ø2.1mm w/ set screw -- 1 set SCREW PA3x12mm -- 2 pcs SCREW PM2x10mm -- 1 pc. ALUMINUM PLATE 0.5mm -- 1 pc. M2 NUT -- 1 pc.
- 10. FUEL TANK 320cc PL1111320 -- 1 set DOUBLE-SIDED TAPE 40x100mm - 1pc. CABLE TIE (FOR FUEL TANK)1.5x5x400mm - 1 pc.
- 11. ENGINE MOUNT PL5111050 -- 1 set SOCKET HEAD SCREW M4x25mm -- 4 pcs WASHER d4xD9mm -- 4 pcs
- 12. SCREW PM3.5x30mm -- 4 pcs WASHER d3.5xD8mm -- 8 pcs M3.5 NUT -- 8 pcs SPINNER Ø82mm -- 1 set

- 13. COWLING -- 1 pc.
 TRANSPARENT 3D TEMPLATE -- 1 pc.
 SCREW PWA2.6x12mm -- 4 pcs
 SILICON GROMMET d1.5xD6.5mm -- 4 pcs
- 14. LINKAGE CONNECTOR Ø2.1mm w/ set screw -- 1 set
- 15. FUEL TUBE Ø6x5mm -- 1 pc. STRAPER PL4112102 -- 1 pc. THROTTLE PUSHWIRE Ø1.2x430mm -- 1 pc. PLASTIC TUBE d2xD3x300mm -- 1 pc.
- 17. SPONGE 60x70x97mm -- 1 pc. PUSHROD CONNECTOR 4x9x20mm (For Elevator) -- 1 set
- 18. SCREW PB2x14mm -- 4 pcs SCREW PB2x12mm -- 5 pcs FUEL TUBE Ø6x5mm -- 3 pcs CLEVIS PL4112103 -- 3 pcs TRI-HORN M3x14mm (L) PI4111185 -- 3 sets PUSHROD Ø1.8x505mm w/ Threads (For Elevator Servo) -- 2 pcs PUSHROD Ø1.8x657mm w/ Threads (For Rudder Servo) -- 1 pc. PUSHROD Ø1.8x100mm (For Elevator) -- 1 pc.
- 19. CANOPY -- 1 pc. SCREW PWA2.3x8mm -- 4 pcs SILICON GROMMET d1.5xD6.5mm -- 4 pcs PILOT (PC001063A/ PC001063B) -- 1 pc. DOUBLE-SIDED TAPE 8x800mm -- 1 pc.
- 20. SCREW HM4x30mm -- 2 pcs WASHER d4xD15mm -- 2 pcs
- 21. ARI SCOOP -- 1 pc. SCREW PM3x13mm -- 1 pc. WASHER d3xD7mm -- 1 pc.
- 23. DECALS: A055DEC -- 1 set
- COVERING:--

TOUGHLON STL 251 SKY BLUE
TOUGHLON STL312 BRIGHT RED
TOUGHLON STL100 WHITE
TOUGHLON STL 201 BLACK
TOUGHLON STL 330 CADMIUM YELLOW
TOUGHLON STL 370 SILVER
TOUGHLON STL250 BLUE

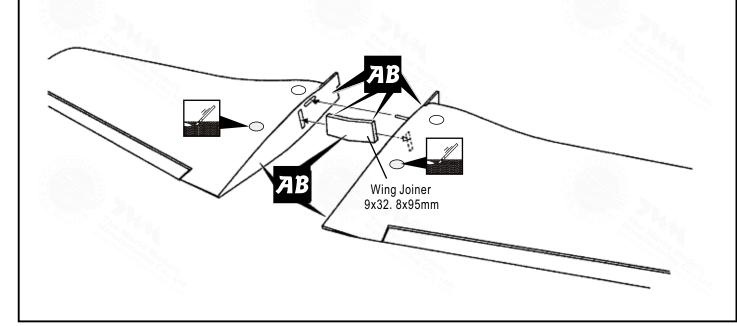


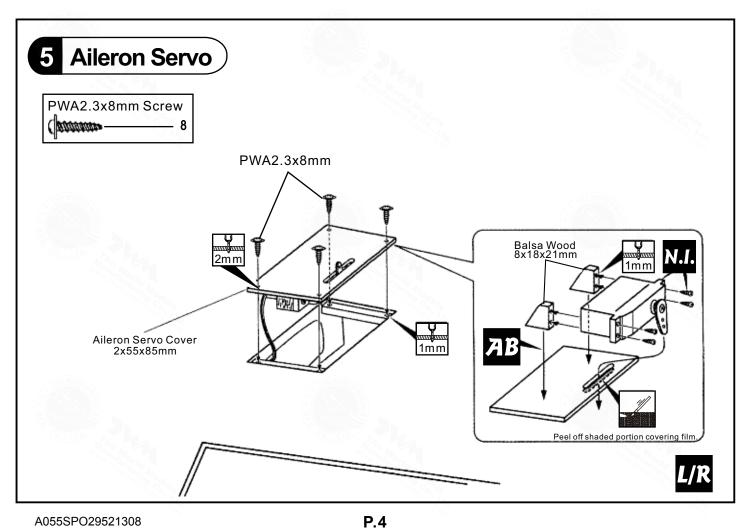


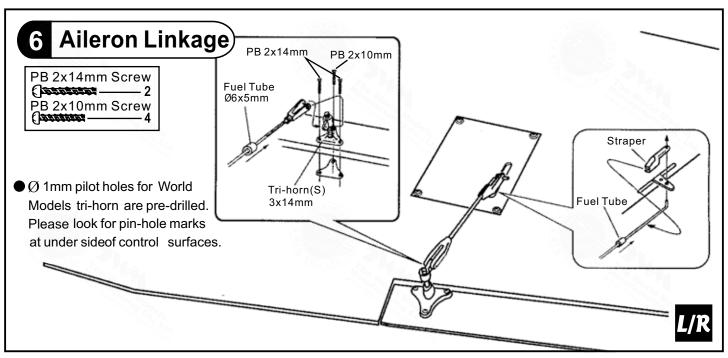


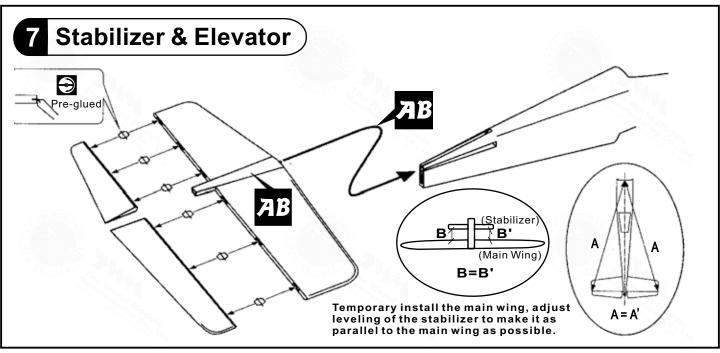


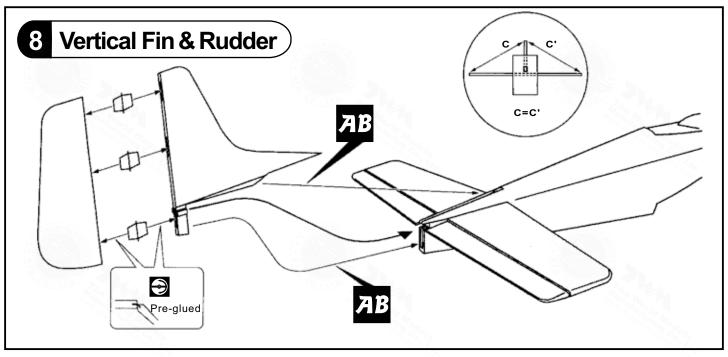
● Please dry fit wing joiner into left and right wing to make sure they fit with the proper dihedral angle, mark the wing joiner if necessary. Apply epoxy glue to both sides of all surfaces in contact. Use a stick to apply the glue to inner side of wing joiner sleeve, and apply the glue to wing joiner before putting them together. Wing joiner not glued properly will lead to wing failure and plane crash.

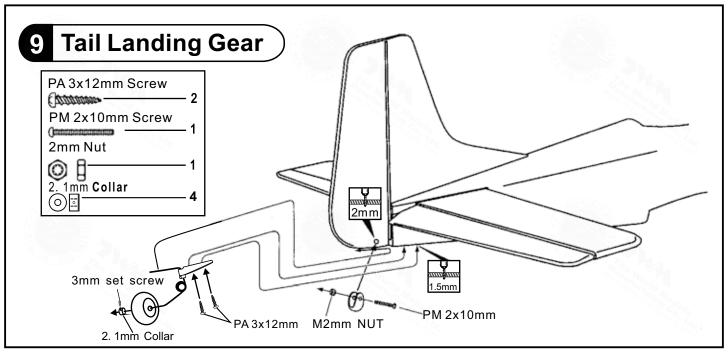


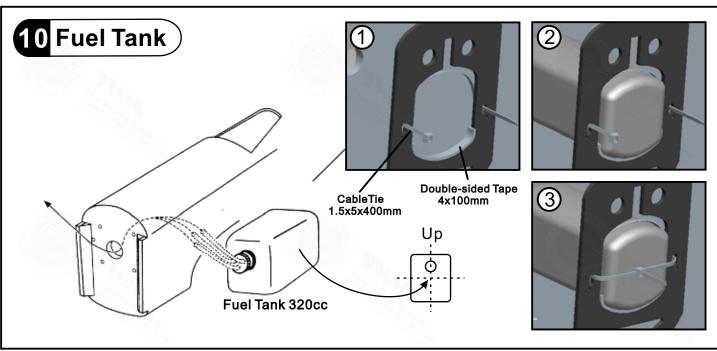


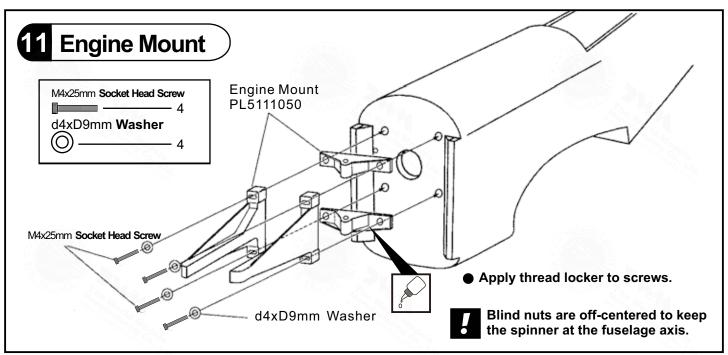


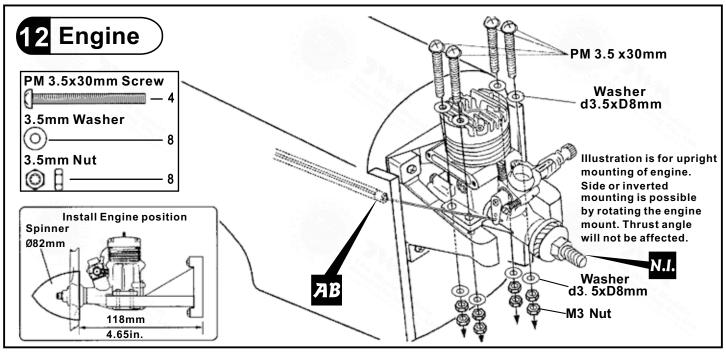


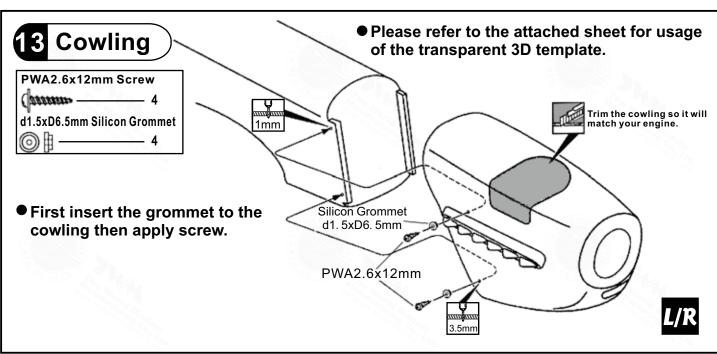


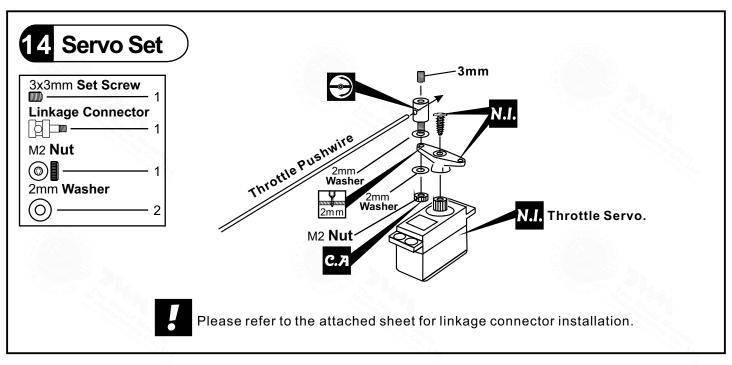


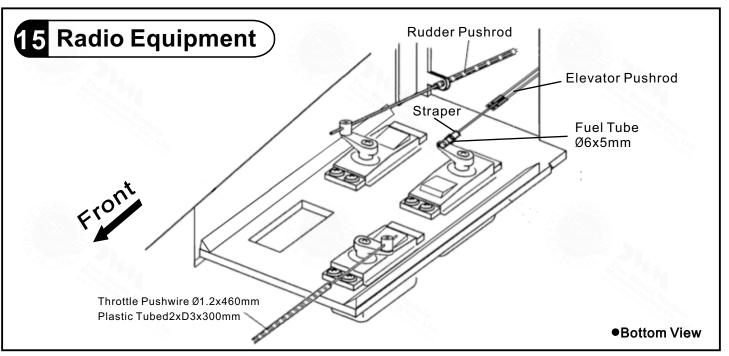


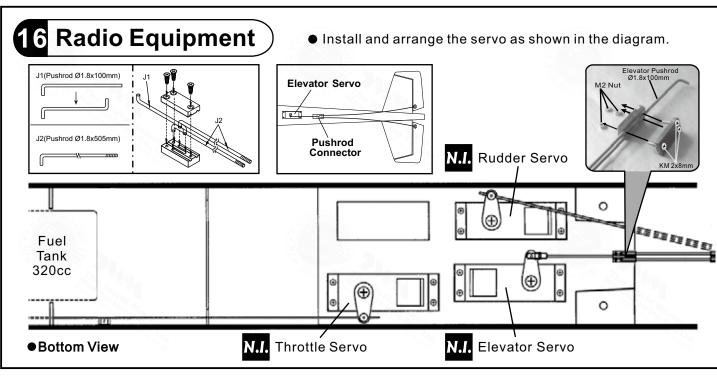


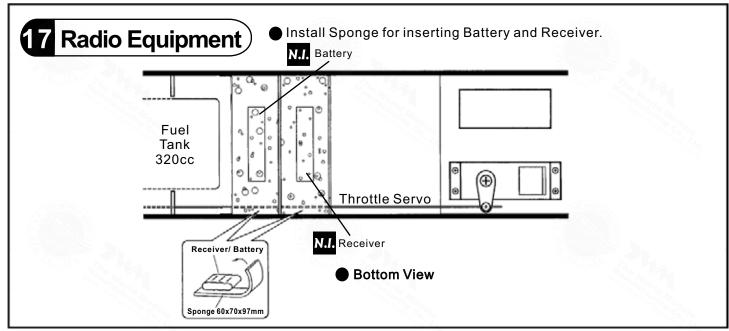


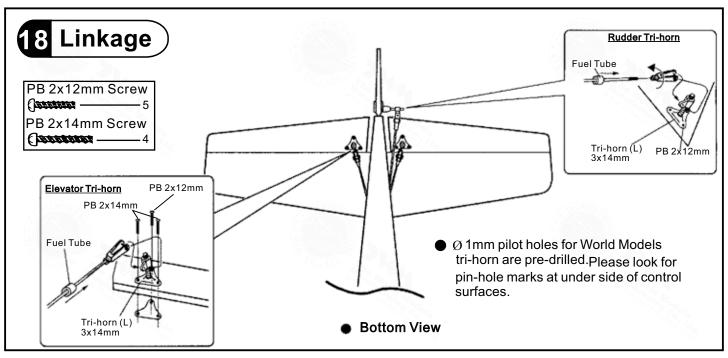


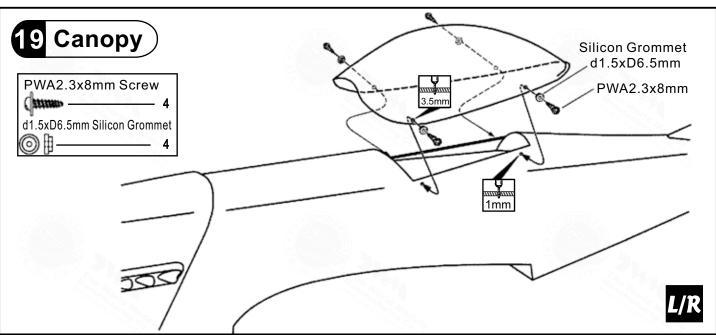


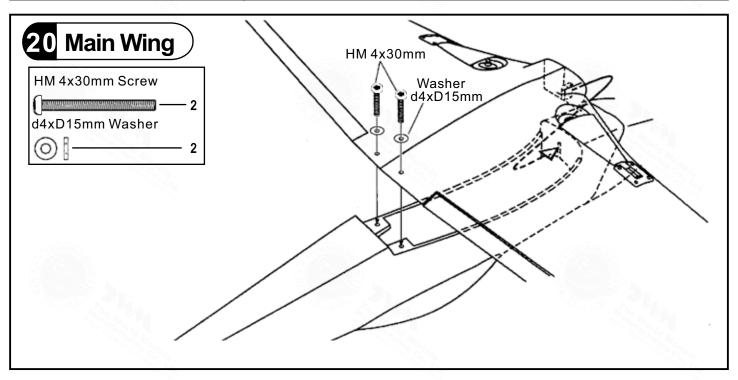


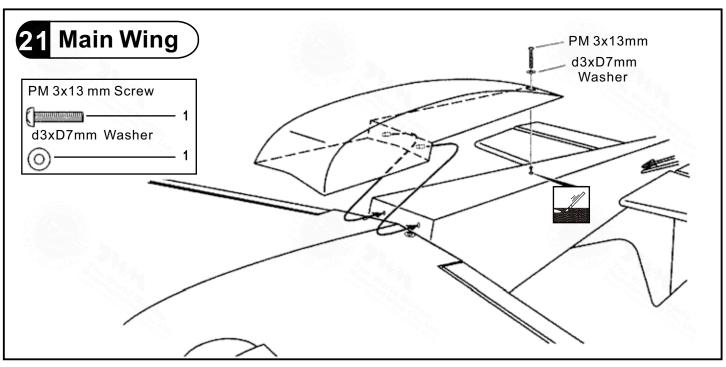


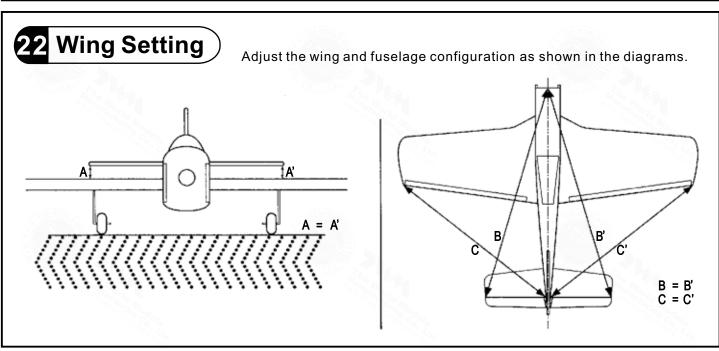


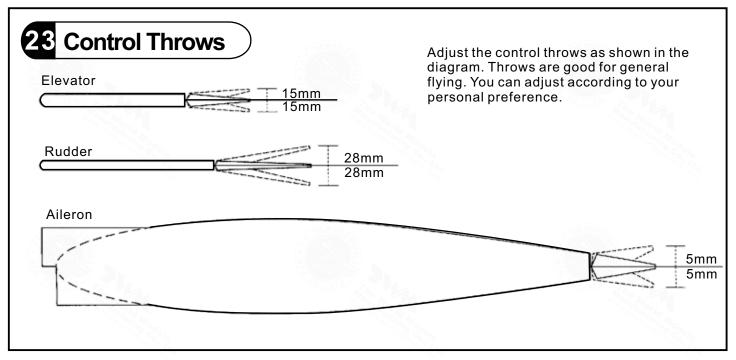


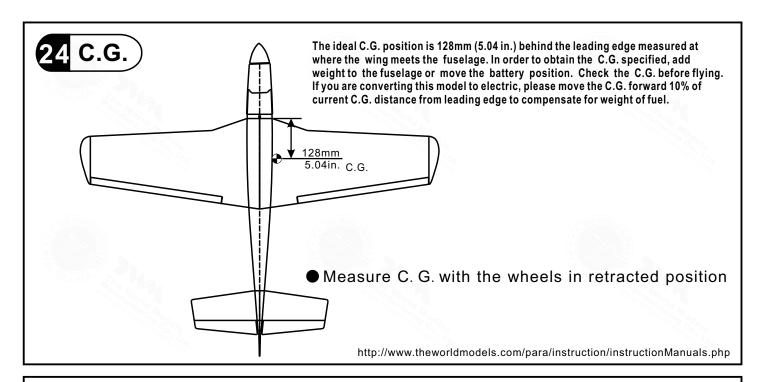












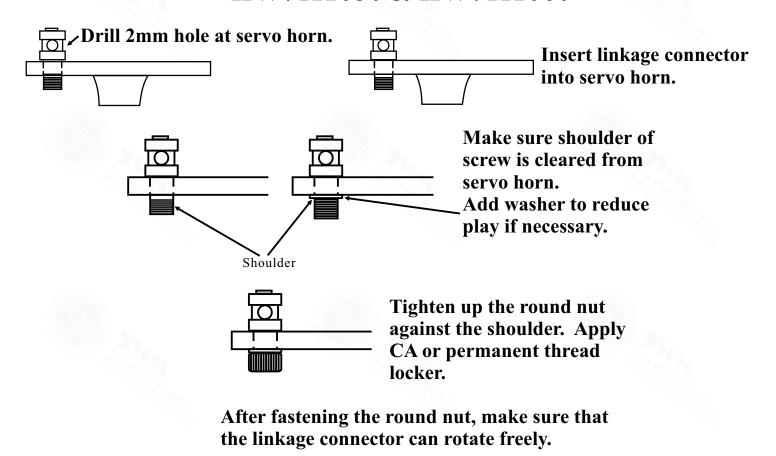


Important Safety Precautions

- # 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-51 MUSTANG 46** is specially designed to be powered by **2C 0.46** 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.

LINKAGE CONNECTOR

HW7111050 & HW7111060



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.

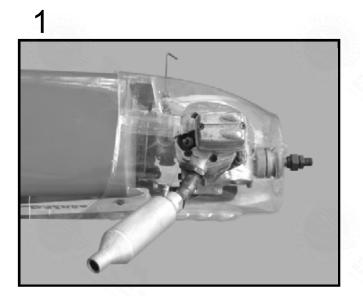
| 1.Name: | |
|--|--------------------------------|
| 2.Address: | |
| 3.Phone #: | e-mail: |
| 4.Model: | |
| Wing QC#Fus (QC numbers are stamped | elage QC#on wing and fuselage) |
| 5.Date of Purchase: | |
| 6.Store Name: | |

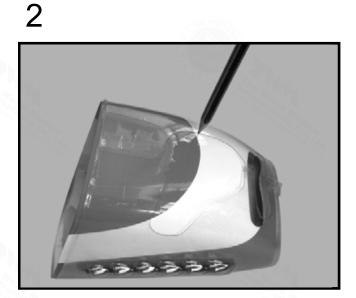
Please call AirBorne Models at 925 371 0922 for any assistance in filling this form. Thank you very much for purchasing our product.

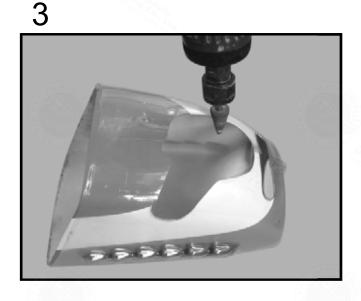
Usage of the transparent 3D template

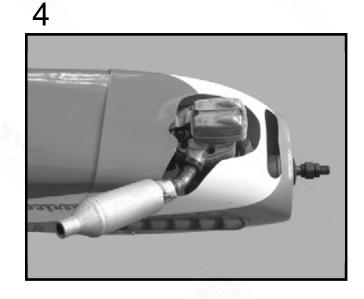


This transparent 3D template is used for position guidance of the actual cutting of the pre-painted cowling.







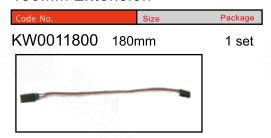


Simply cut the transparent 3D template to fit your engine and exhaust pipe, then slide onto the actual cowling and use as template to mark the openings required for final cutting.

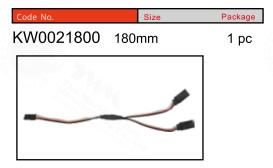
Optional Parts

(ACCESSORIES)

180mm Extension



180mm Y-Cord



Charge Receptacles



KP0041300



Field Stand





Fuel Filler



Clevis Wrench



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

Standard Servo

Code No SV4031



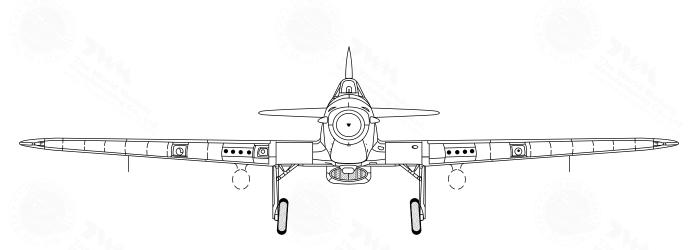
Speed: 0.17 sec / 60° @4.8V 0.14 sec / 60° @6.0V

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

Pattern

Warbirds

Funfly

Scale

Electric

Sports

Glider

Trainer Boat

Accessories

Covering

(Lightex / Toughlon)

