

P-51 MUSTANG



ARF

Specifications

| | |
|-----------------|---------------------|
| Wing Span | 57in/1450mm |
| Wing Area | 581sq in/37.5sq dm |
| Flying Weight | 5.5 lb/2500g |
| Fuselage Length | 49.6in/1260mm |
| Engine | 46(2c) |
| Radio | 5channels 5-6servos |

Warning! This model is not a toy.

It is designed for maximum performance. Please seek for advice if one is not familiar with this kind of engine-powered precise 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.

P-51 MUSTANG

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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 defective 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 be difficult to extend to the good parts that are good before gluing to defective parts during assembly.
3. Symbols used throughout this instruction manual, comprise:



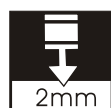
Apply P.A Glue



Apply C.A Glue



Apply A.B Glue



Drill holes with the specified diameter (here: 2mm)



Assemble left and right sides the same way



Pay close attention here



Cut off shaded portion



Purchase separately



Ensure smooth non-binding movement while assembling

P-51 MUSTANG

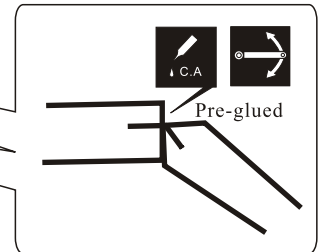
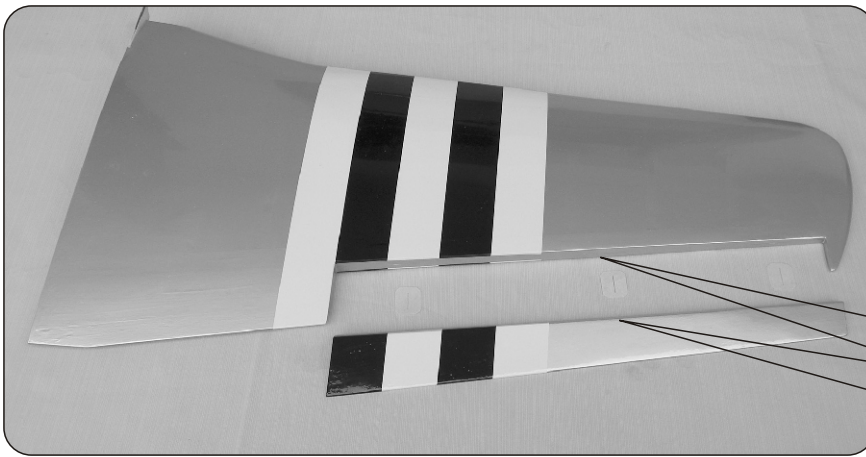


Partlist

- 1.FUSELAGE-1 SET
- 2.MAIN WING-1 PAIR
- 3.ELEVATOR-1 SET
- 4.RUDDER-1 SET
- 5.CANOPY-1PC.
- 6.FUEL TANK 350CC-1PC.
- 7.FUEL TUBE(700mm)-1 PC.
- 8.TRIANGLE SERVO ARM-4PCS .
- 9.SILICA GEL TUBE(6MM)-10 PCS.
- 10.NYLON CLAMP-6 PCS.
- 11.PUSHROD-
METAL ROD 2×250-4 PCS.
METAL ROD 1.5×750-2PCS.
METAL ROD 1. 5×380-1PC.
- 12.NYLON TABLETTING-4 PCS.
- 13.FRONT LANDING GEAR-2 SET
TAIL LANDING GEAR-1 SET
- 14.SPONGE WHEEL 70mm-2 P CS 25mm-1 PC.
15. WOODEN PARTS-
LANDING GEAR COVER BOARD-2PCS.
LANDING GEAR FIXING WOOD-2PCS.
LANDING GEAR BAFFLE BOARD-2PCS.
FIX FUSELAGE AND WING BOLT-1 PC.
- 16.PLASTIC PARTS-
SHEAVE GROOVE-2 P CS.
NYLON SCREW(6*56)-2PCS.
ACCESSORY-2PCS.
SHEAVE GROOVE-3 Purchase.
- 17.COWLING-1 SET
- 18.AIR INLET -1 SET
- 19.METAL PARTS-
NUT(4MM)-4PCS.
NUT(6MM)-4PCS.
AUTO LOCKING NUT(4MM)-4PCS.
TAIL WHEEL TABLETTING-1PC.
SCREW (2*12)-9PCS.
SCREW (2*8)-6PCS.
SCREW(3*15)-4PCS.
ROUND SCREW(2*15)-6PCS.
ROUND SCREW(2*25)-6 P CS.
CHOCK(2MM)-2P CS.
CHOCK (4MM)-4PCS.
HEXAGANAL SOCKET SCREW-4 P CS.
ADJUSTER(2.1)-3PCS.
BOLT(15*240 ALUMINUM)-1 PC.
ELEVATOR CONNECTION POLE-1 PC.
ENGINE FRAME-1 SET

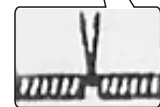
ASSEMBLY

1 Aileron

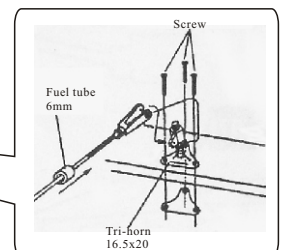
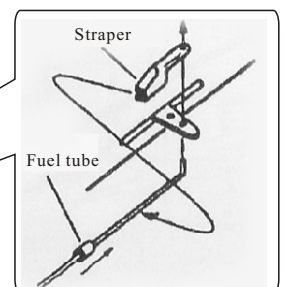
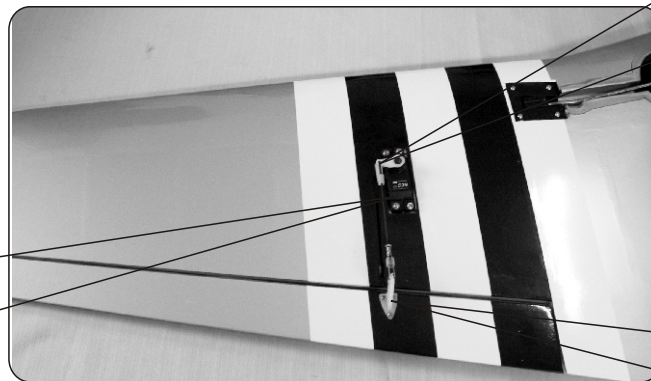
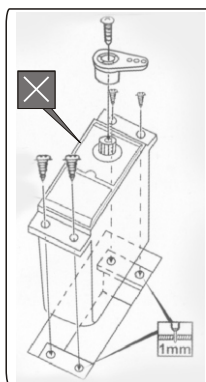


2 Aileron Servo

The slot for the control horn is already laser cut. The covering just needs to be sliced open. First install the servo, then the horn, for adjust the length of push rod.



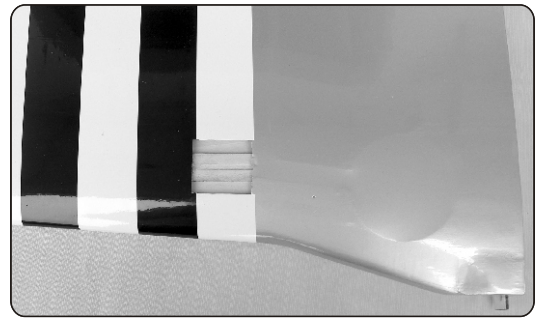
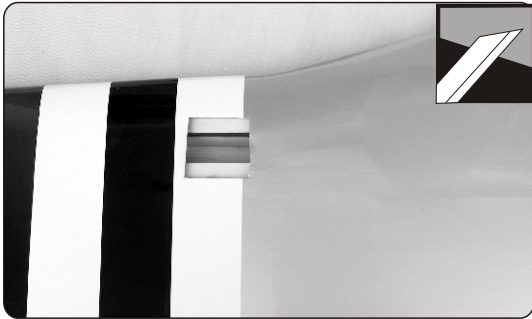
3 Aileron Servo



ASSEMBLY

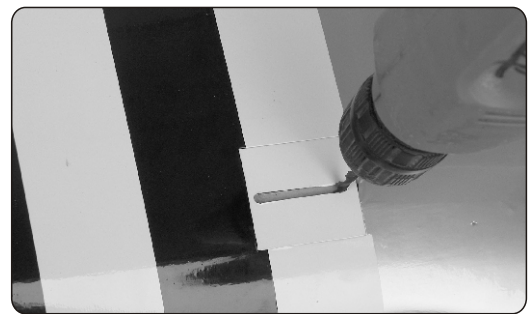
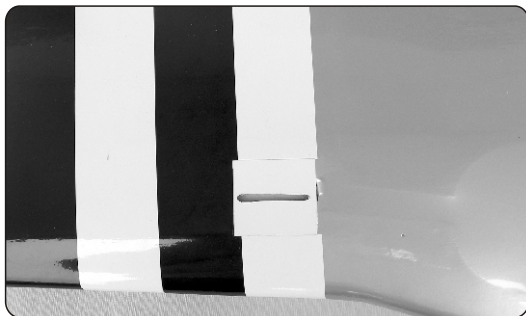
4 Landing Gear

This model can use landing gear and retracts, you can choose whatever you want.



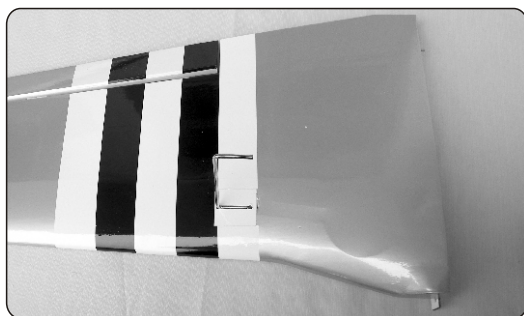
Peel off the film, then insert one piece of hard block.

5 Landing Gear



Then cover the board, drill a hole at side.

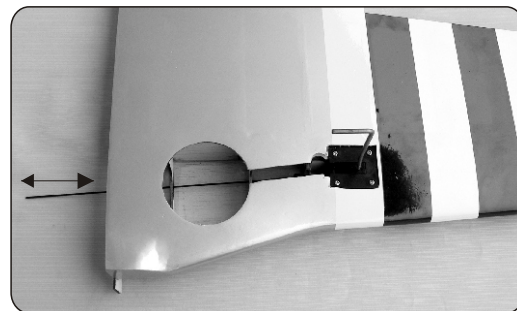
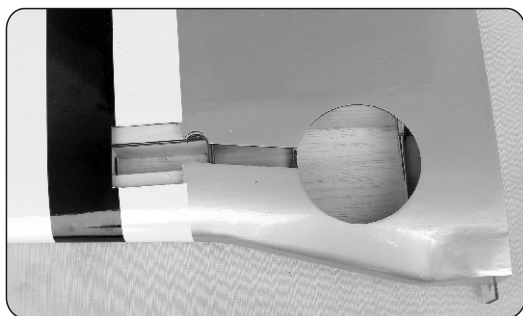
6 Landing Gear



Insert the landing gear, install the wheel, stick the baffle .

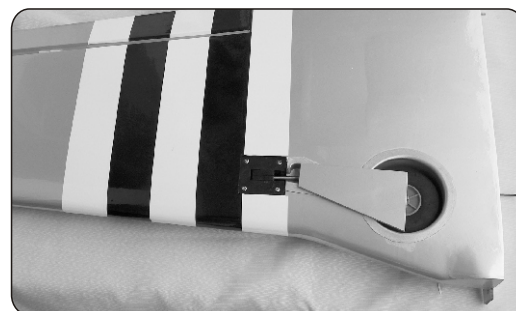
ASSEMBLY

7 Retracts



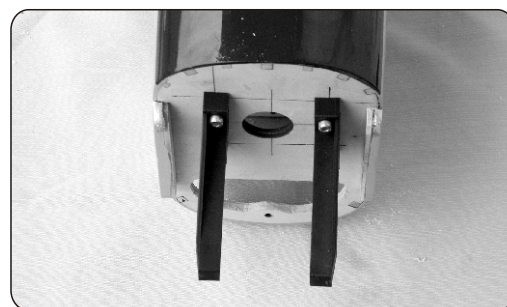
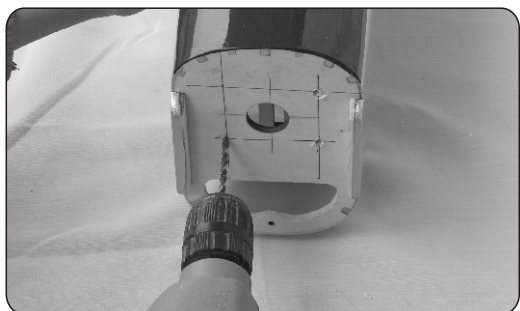
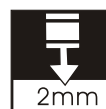
Peel off the film and fix the retracts with screw. When you pull the steal line the wheel will stand up, when you push it the wheel will down.

8 Retracts



Install the wheel and stick the wheel cup and baffle.

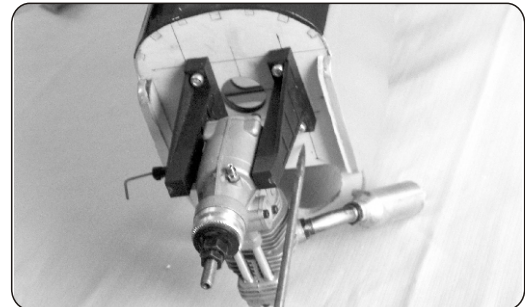
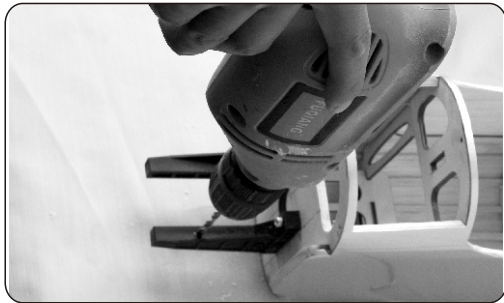
9 Engine



Prolong the + line, and drill four hole to fix engine mount.

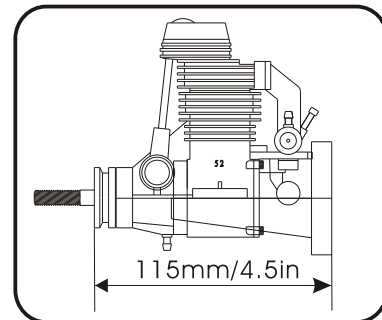
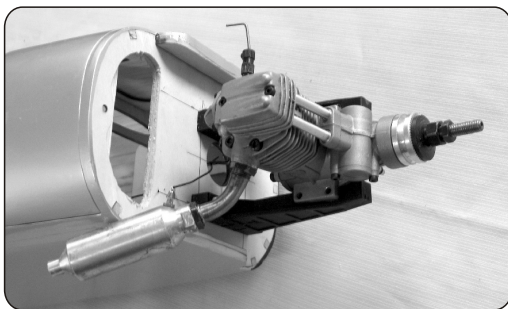
ASSEMBLY

10 Engine



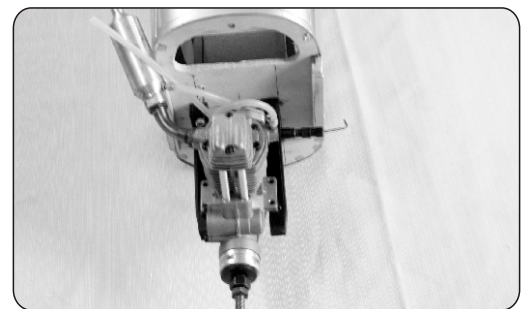
Drill four holes on the mount to fix engine. then drill one hole and through one steel rod to connect throttle servo.

11 Engine



Through this hole connect the engine to throttle servo.

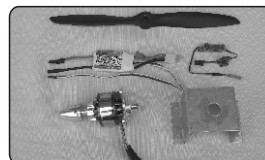
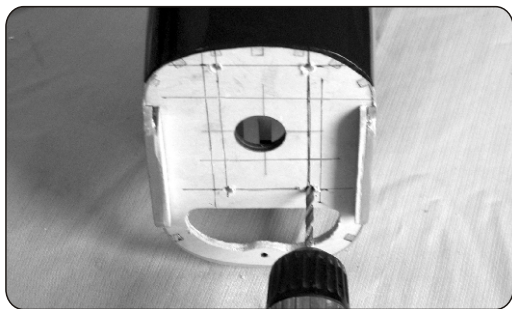
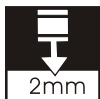
12 Fuel tank



Before insert the fuel tank, wrap and fix it with sponge in case it move during the fly. Last pull the fuel tube to the engine.

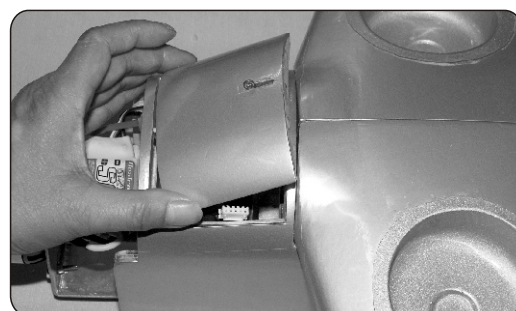
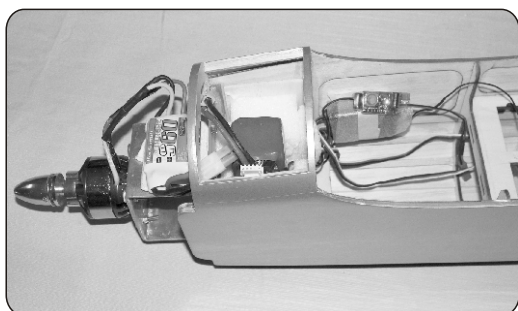
ASSEMBLY

13 EP



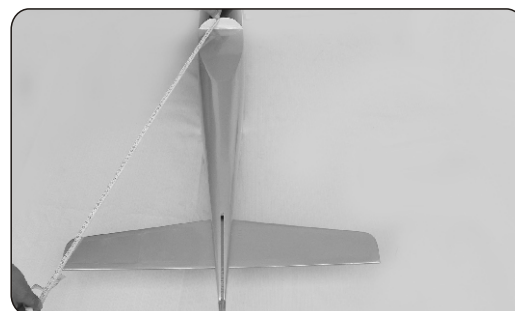
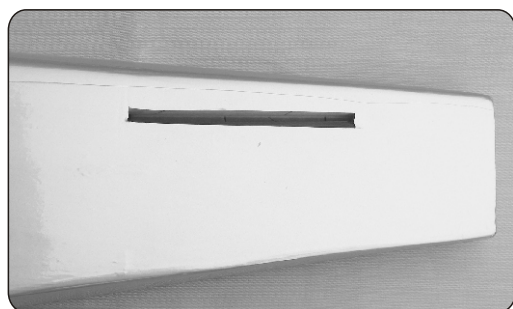
Fist drill four holes to fix the EP mount. This model use both engine or EP, you can choose whatever you want.

14 EP



Connect the battery and speed controller, Last cover the board. This board is easy for you to change battery.

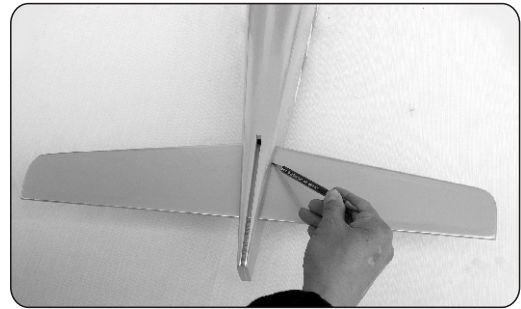
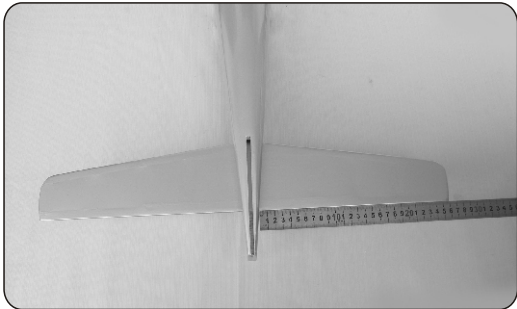
15 Elevator



Peel off the film and insert elevator to the sloth then draw the line. Be sure the left and right are equal.

ASSEMBLY

16 Elevator

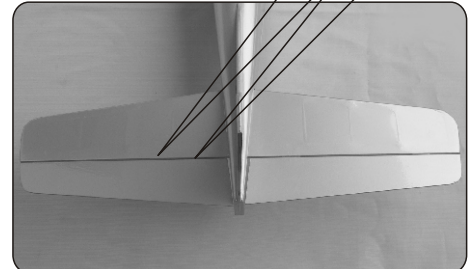
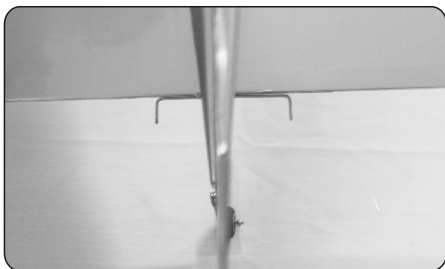
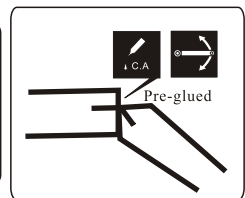
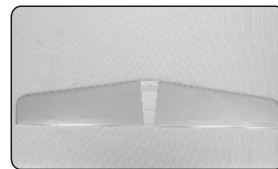


When you fix the horizontal tail be sure the balance. Left and right are equal.

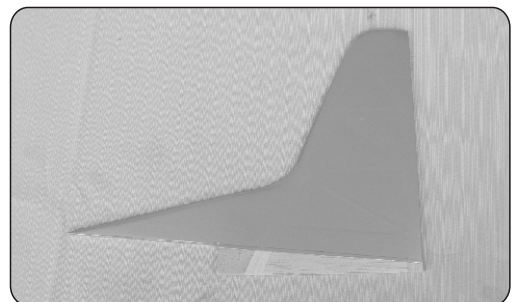
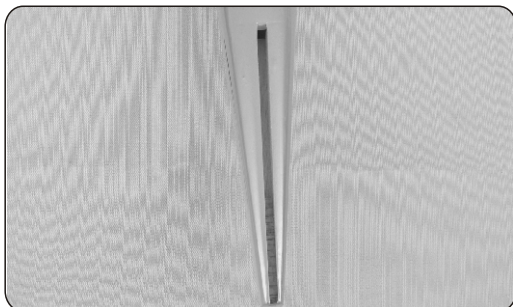
17 Elevator



Peel off the film according to the draw line, then insert it again and stick it, connect with elevator by hinges.



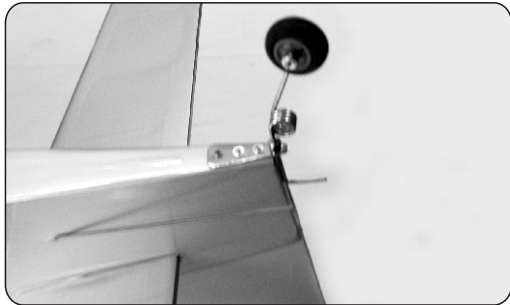
18 Rudder



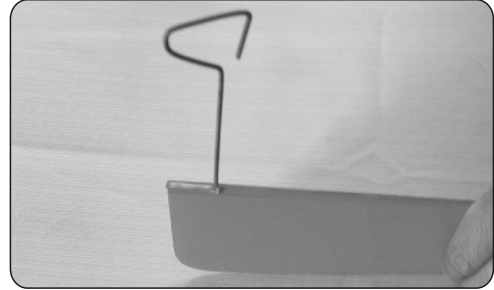
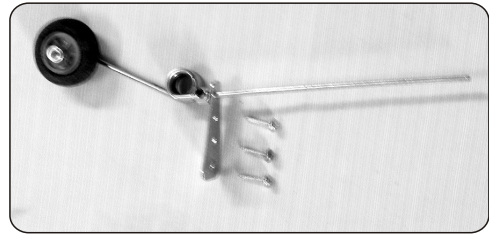
Peel off the film and put it into the slot, Draw the line and put out, peel off the film, then insert it again, stick it tightly.

ASSEMBLY

19 Tail wheel



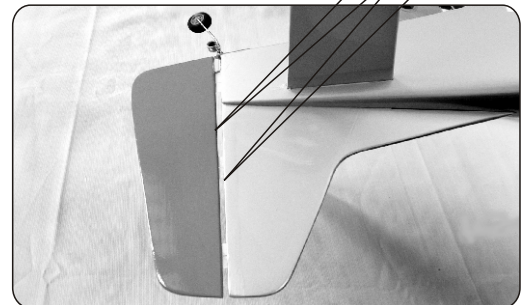
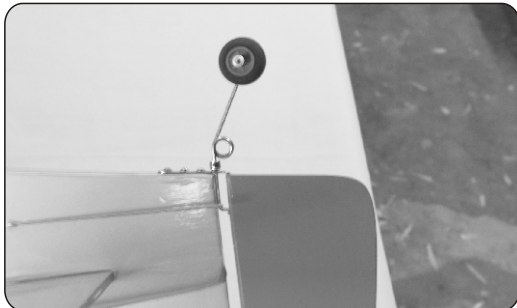
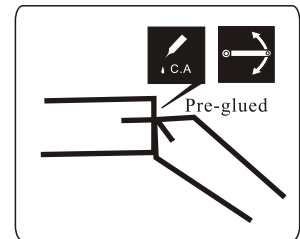
Fix at the end of fuselage, turn the pole to 90 angle. Carve sloth and drill a hole on the rudder.



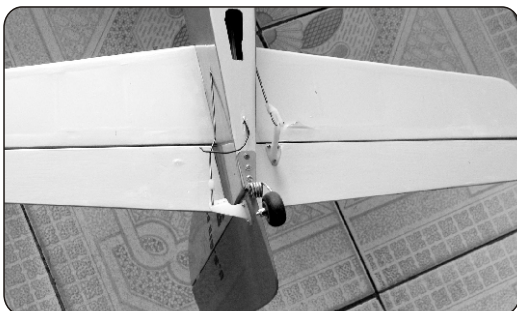
20 Rudder



After fix the tail wheel. Then connect rudder by hinges.



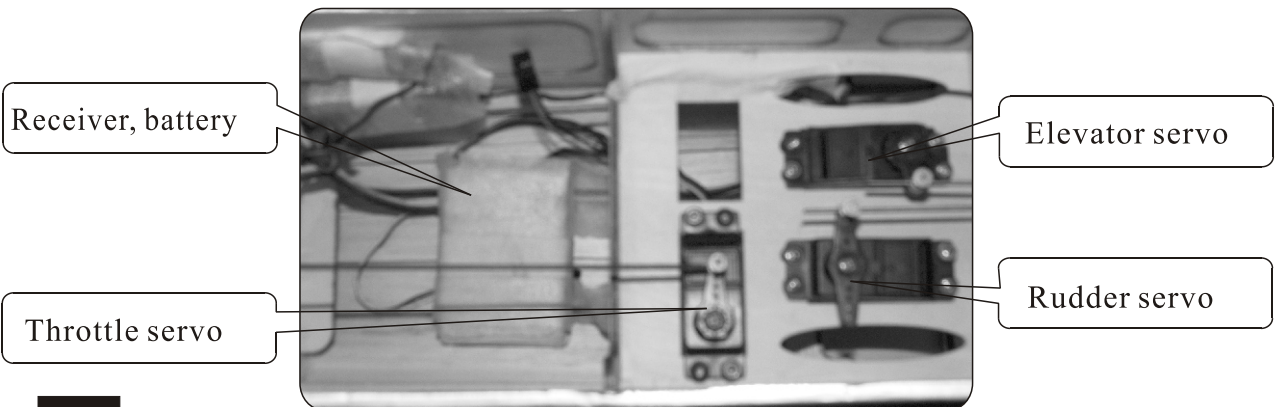
21 Tail



Connect the rudder and elevator with servo by pull-push rod. See pictures.

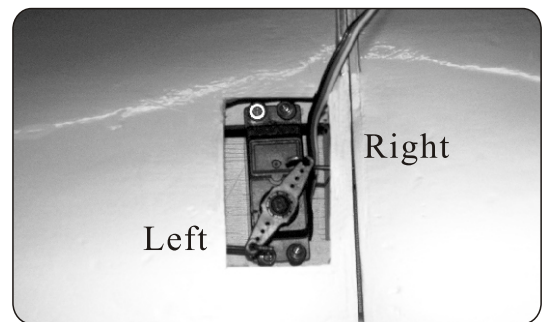
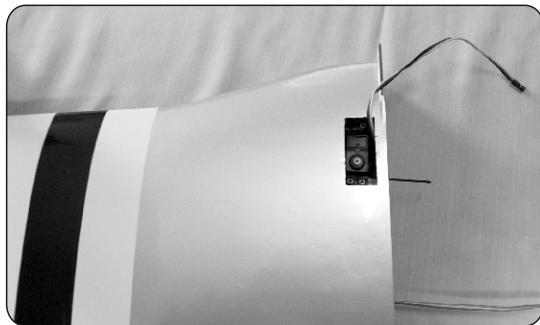
ASSEMBLY

22 Radio Equipment



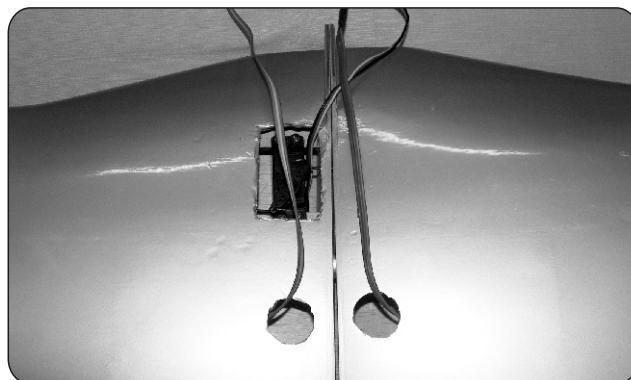
When you use EP engine, It need not install throttle servo.

23 Retracts servo



Retracts servo installed on the left wing, peel off the film, fix the servo. After the wing linkage, the fix the retracts pole.

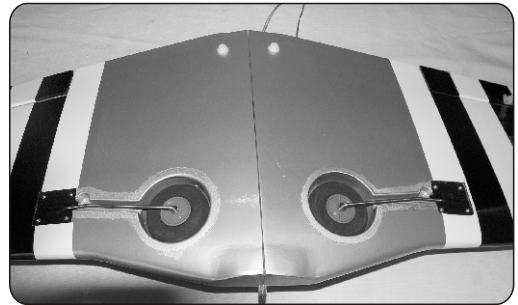
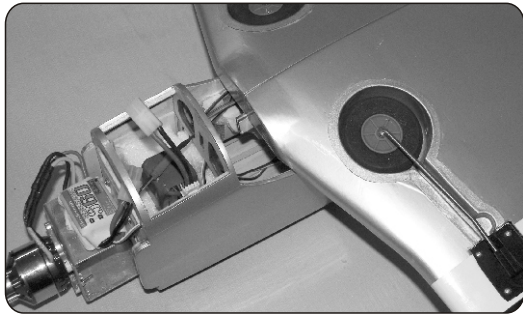
24 Main wing



Connect the wing, then fix the pull-push rod of retract servo.

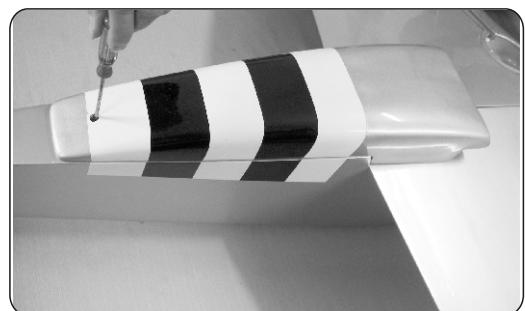
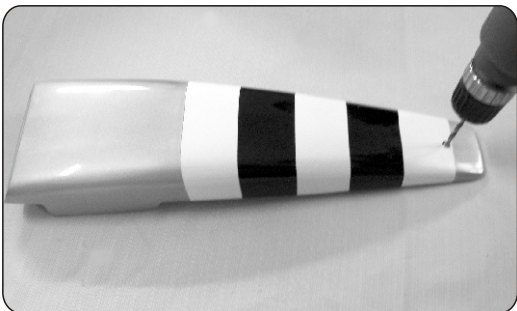
ASSEMBLY

25 Linkage



Connect the wing with fuselage with screw. See pictures.

26 Accessory



Drill the hole and fix it with screw in the middle of fuselage.

27 Canopy



When everything is ok, cover the canopy, fix it with screws.

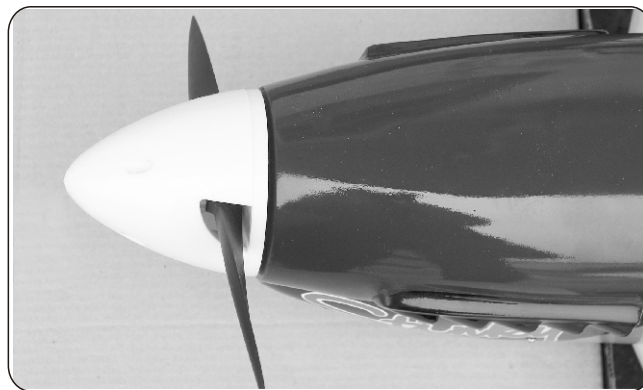
ASSEMBLY

28 Cowling



Fix the cowling with screw. See picture.

29 Spinner

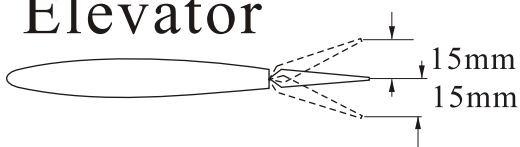


Install the spinner and propeller last.

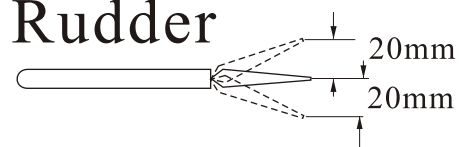
30 Control Throws

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

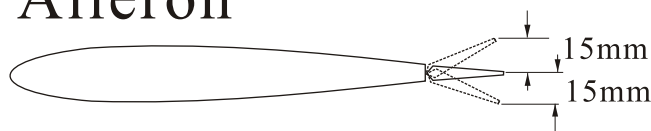
Elevator



Rudder



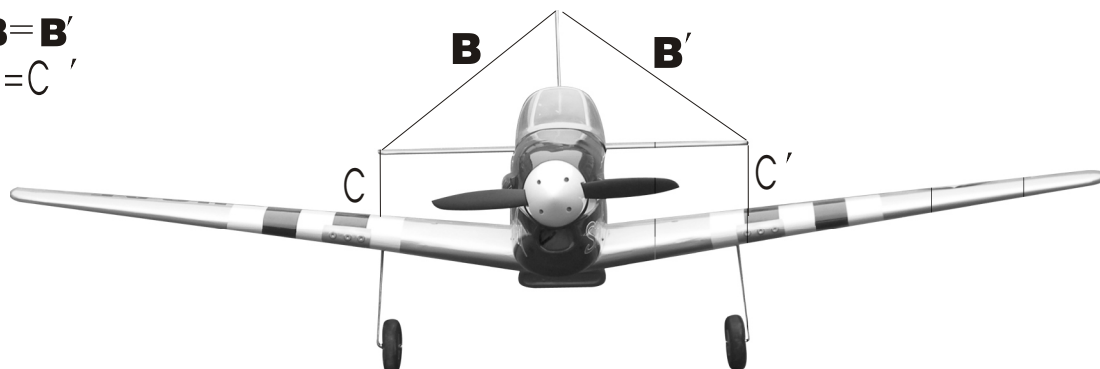
Aileron



ASSEMBLY

31 Wing Setting

$B=B'$
 $C=C'$



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

32 Wing Setting

$A=A'$



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

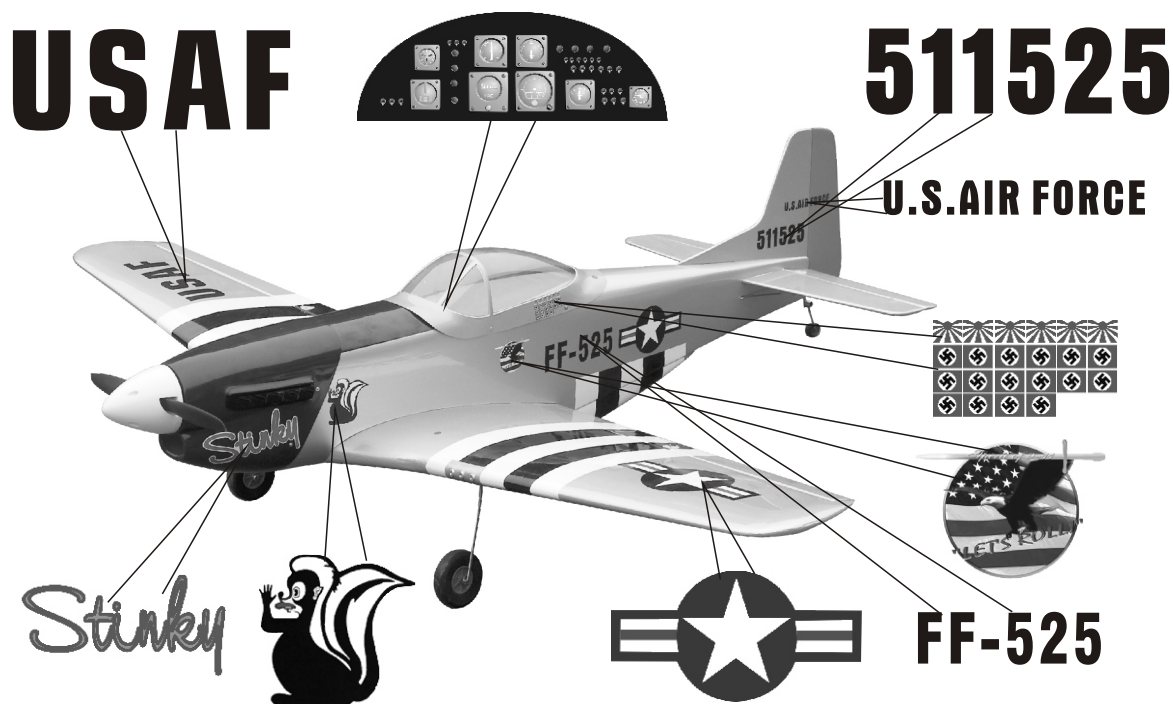
33 C.G



The ideal C.G. position is 120mm(4.7in) behind the leading edge measured at top wing centre line. In order to obtain the C.G. specified, add weight to the fuselage or move the battery position. Check the C.G. Before flying.

SAFETY PRECAUTIONS

34 Decals



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-51 Mustang is specially designed to be powered by 46(2C) 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.
- #Check and re-tighten up all factory assembled screws ,use thread locker if applicable.

