

TOPTM
R/C HOBBY

P-51D

Mustang

Radio Control Model Airplane

Operation manual



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Statement:

- 1.Please read this manual carefully and follow the instruction of the manual before you use this products;
- 2.Our airplane is not a toy, which is only suitable for the experienced manipulator or under the guidance of the experienced pilot.
3. Not recommended for the children under 14 years old.
- 4.Please adjust this plane according to the instruction and make sure that the finger and other parts of your body be out of the rotating parts of the plane, or it may cause damage to the plane or injury to your body.
- 5.Do not fly in the thunderstorm, strong wind or bad weather.
- 6.Never fly the plane where there are power lines overhead, automobiles, near airdrome , railway or highway.
- 7.Never fly our plane where are crowds of people .Give yourself plenty of room flying, as the plane can fly at a high speed. Remember that you are responsible for others safety.
- 8.Do not attempt to catch the plane when you are flying it.
- 9.The user should bear full responsibility of proper operation and usage with regards to this model. We, Top RC together with any distributor of us will not be responsible for any liability or loss due to improper operation.

Brief introduction

Thank you for purchasing the "P51D" remote control model airplanes from Top RC, and we hope this plane will bring endless joy to you after you choose it.

- ★ It can finish the inverted flight, inside loops, outside loops, axial rolls and other aerobatic actions fluently. Stable flight and easy to control, it also can climb with wide-angle continuously;
- ★ EPO foam material with high crash-resistance advantage. Scale appearance and vivid flight gesture;
- ★ With the scale auxiliary oil tank, it make the airplanes more scale.
- ★ With the detachable horizontal wing and vertical wing, which make it easy to carry and maintain.
- ★ With the building block design power system and detachable propeller, it make the airplane easy to assemble and convenient to maintain.
- ★ Optimized propeller design, it make the propeller more beautiful and high efficiency.

Main specifications

★Wingspan	750mm
★Length	648mm
★Weight	425g
★Thrust	≥450g
★Flying time	≥5min

Main configuration

★Radio system	4ch
★Motor	DST-1300
★Battery	1000mAh 7.4V 20C
★ESC	12A brushless
★Servo	9gX4

Product constitution

RTF version

Fuselage, Main wings, horizontal wing, vertical wing, main landing gear, Propellor, auxiliary oil tank, battery, charger, Radio, accessory bag.



ARF version

Kits without radio

PNP version

Kits without radio, charger and battery

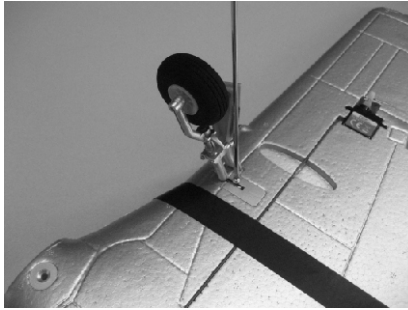
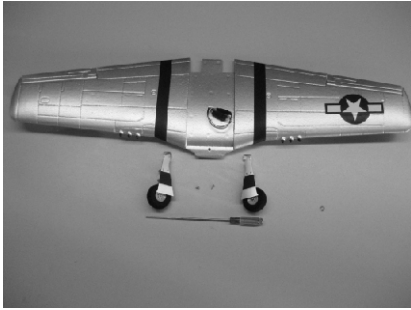
KIT version

Without any electronic parts

Assemble processes

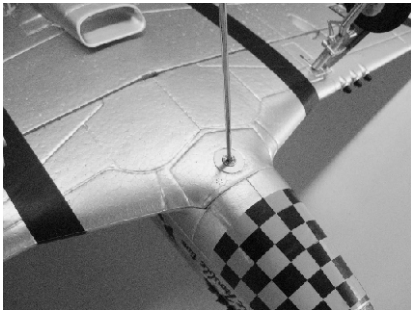
1.Assembly the landing gear.

Take of the wing & main landing gear and screws (PWA2*8mm) from the package. Assemble the landing gear into the slot of the fuselage, please don't make it reverse. Then lock them by the screws (PA2*8MM).



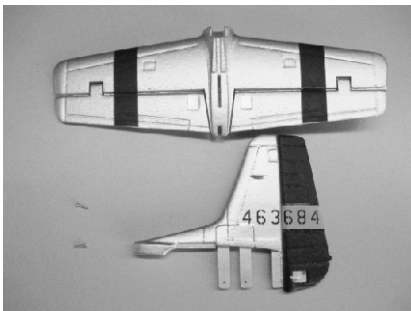
2.Assembly of the main wings.

Take of the main wings & locking screws (KM4*45MM) & screwdriver from the box. Please connect the aileron servo wire, then please assemble the main wings to the fuselage and lock it by screws (KM4*45mm).



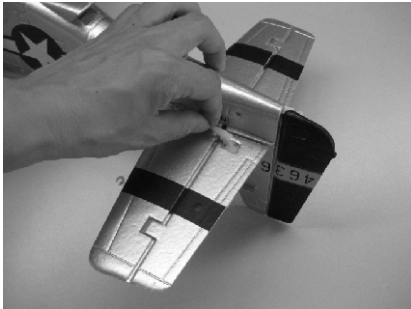
3.Assembly of the horizontal wings.

Take of the horizontal wing & vertical wing & screwdriver & fixed screw (PA2*10MM) from the box. Please assemble the horizontal wing and vertical wing as the following pictures. , then assemble them to the right place of the fuselage by screws (PA2*10MM) .At last, lock the main wings with fuselage.



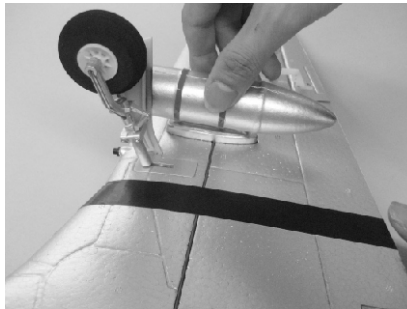
4. Assembly of the vertical wing and horizontal wing.

Connect the elevator servo arm with rudder servo arm, then locate the clevis at the outermost hole on servo arm.



5. Assembly of the auxiliary oil tank package.

Take of the auxiliary oil tank package, tear off the stick surface, then stick it to the mounting groove of auxiliary oil tank on the surface of the wing.

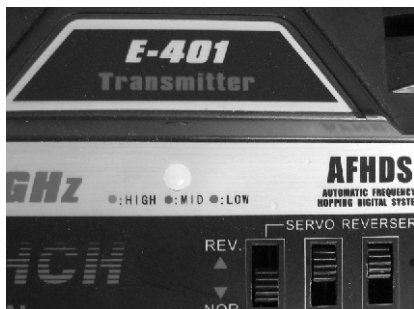


6. Finished the assembly of "P-51D".

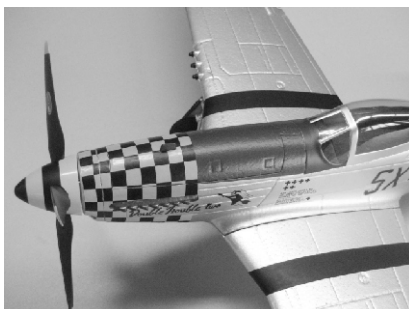
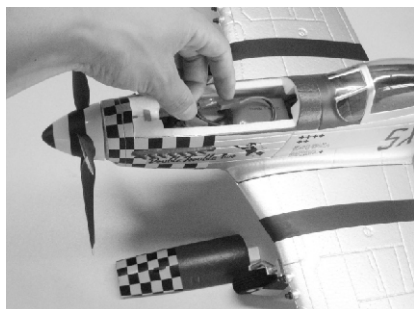


Adjustment steps

1. Turn on the transmitter and please make sure that there is enough power for the transmitter. Push the joystick of the throttle and throttle trim switch to the lowest position, and keep other trim switch be in the neutral position.



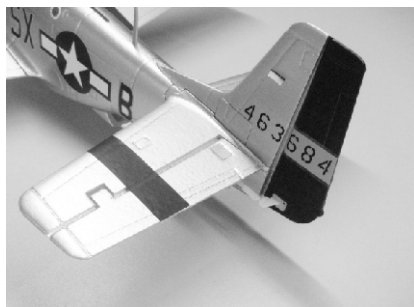
2. Please connect the battery to the ESC plug, and put the battery into the battery case well, then close the battery cover.



3. Please catch the back part of the fuselage and push the throttle slowly, which can check whether the motor can work or not.

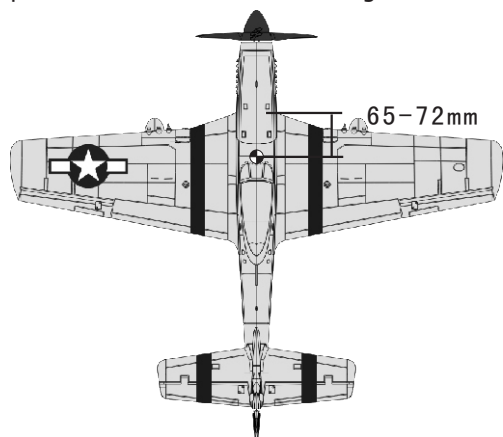


4. Please check the collets to confirm whether it become loose or not, and make sure that the control surface is in accordance with the movement of joystick.

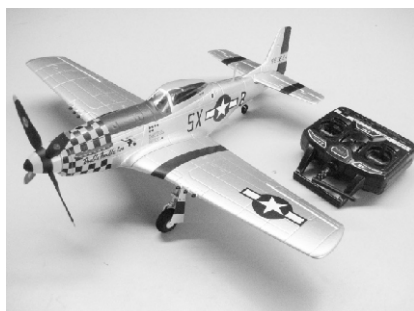


Adjustment steps

5. Check the center of gravity and make sure that the CG of the plane should be within the range as indicated by the arrows.



6. Finished the adjustment for "P51D".



Safety precautions

1. If you have the simulator, we suggest that you can practise your skill by the simulator before you fly this model, which will bring some help for you.
2. Please climb the plane above the 50 meters with half throttle to fly it when you fly it for your first time, then you will be familiar with the performance of this plane.
3. You should learn how to control this model blandly, it will reduce the possibility of crash and prolong the usage life of the plane.
4. The turn radius should not be too little, or it will stall and it will increase the possibility of crash.
5. When taking off or landing the plane, you should against the wind.
6. Do not fly the model over your head or behind you, you should fly the model in front of you.

Charging method and cautions

Li-Po battery(balance changer) specifications

Specifications:

Input voltage: DC 10V~15V

Output voltage: 2S-3S Li-Po battery

Charging current: 1.0A

Indicator state:

Green: Charge complete & no battery

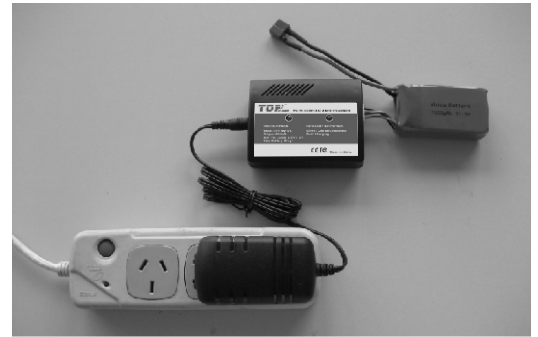
Red: Charging

The batteries are inspected separately. When the voltage reaches 4.20V, the charging process stops.



Operating

1. Then plug cigarette into its socket in car (Adapter should be connected if charge at home: connect the adapter to home power socket, then plug the adapter' DC end to charger). The LED will turn green indicating it is ready for charging.
2. Connect the battery to charger per its interface mark. The LED becomes red, which means charging is on the way.
3. When LED flashing, the charger will enter the stage of drip current charging. The LED turns green when fully charged, and the battery will be used at any time.



Notice

1. While charging is in process, please do not make it near flammable materials.
2. Expect Li poly battery, this charger is not allowed for other kinds of battery.
3. While charging, please keep it out of the reach of Children.
4. When this charger is in use, please do not go away and leave it unwatched, if any abnormality occurs (such as the power indicator is off, the temperature of the battery rise rapidly, etc.) stop charging immediately.
5. Please do not use power with output voltage higher than 15V.
6. Please do not disassemble the charger or its accessories.
7. When the battery is not cool down, please do not urge to charge it.

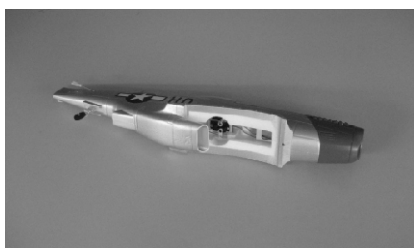
Notice

1. Be fully charged under no more than 1 A voltage by using the specified charger.
2. Be discharged under 10C voltage but avoiding discharge time too long to harm the battery.
3. Repeat the first and second step one or two times.
4. When the Li-poly battery was stored more than 3 months, it needs to be recharged to maintain its voltage, and ensure its life time.

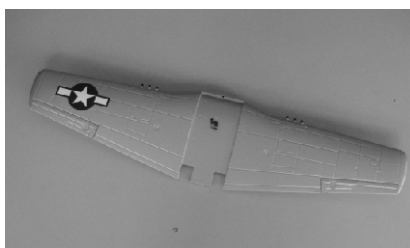
Safety Instruction of Li-Po/Ni-MH battery

1. Do not disassemble or reconstruct the battery.
2. Do not short-circuit the battery.
3. Do not use or leave the battery nearby the fire, stove or heated place (more than 80°C).
4. Do not immerse the battery in water or sea water, do not get it wet.
5. Do not charge the battery under the blazing sunlight.
6. Do not drive a nail into the battery, strike it by hammer or tread it.
7. Do not impact or toss the battery.
8. Do not use the battery with conspicuous damage or deformation.
9. Do not charge a warm battery. Allow it to cool completely before attempting to charge.
10. Do not reverse charge or over discharge the battery.
11. Do not connect the battery to the ordinary charger socket or car cigarette jack.
12. Do not use the battery for unspecified equipment.
13. Do not touch the leaking battery directly, please wash your skin or clothes with water if they are bedewed by liquid leaking from the battery.
14. Do not mix the Li-Poly battery with other un-chargeable battery in using.
15. Do not continue charging the battery over the prescribed time.
16. Do not put the battery into the microwave oven or high-pressure container.
17. Do not use the abnormal battery.
18. Do not use or keep the battery under the sunlight.
19. Do not use the battery nearby the place where generates static electricity (over 64V).
20. Do not charge the battery when the environmental temperature is under 0°C or over 45°C.
21. If you find the battery leaking, smelling or abnormal, stop using it and return it to the seller.
22. When the battery is charging, please do not make it near the flammable materials!
23. Keep the battery away from the children.
24. Use the specified charger and observe charging requirement (under 1A).
25. When using by minors, parents should show them to the correct instruction.

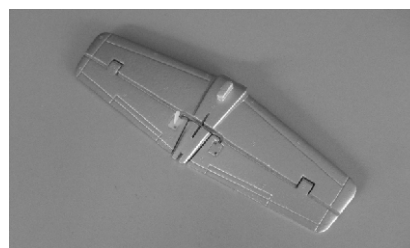
Spare parts



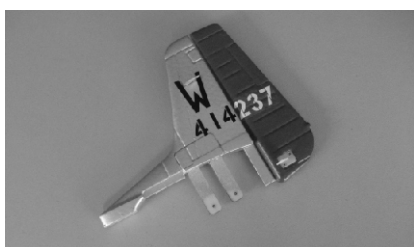
No:top01601
Fuselage (Blue)



No:top01602
Main wing (Blue)



No:top01603
Horizontal wing (Blue)



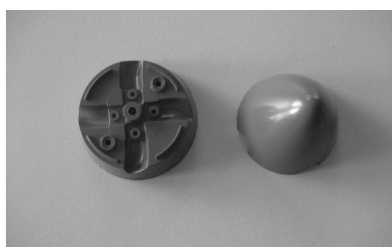
No:top01604
Vertical Wing (Blue)



No:top01605
Landing Gear (Blue)



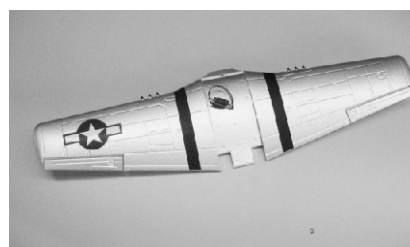
No:top01606
Cabin (Blue)



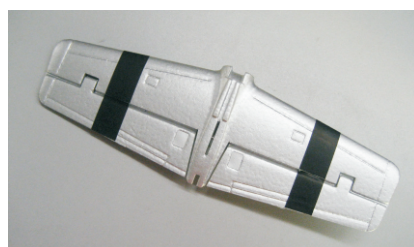
No:top01607
Spinner (Blue)



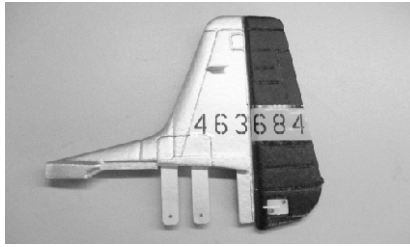
No:top 01608
Fuselage (Yellow)



No:top01609
Main wing (Yellow)



No:top01610
Horizontal wing (Yellow)



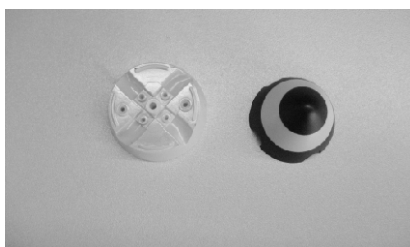
No:top01611
Vertical Wing (Yellow)



No:top01612
Landing Gear (Yellow)



No:top01613
Cabin (Yellow)



No:top01614
Spinner (Yellow)

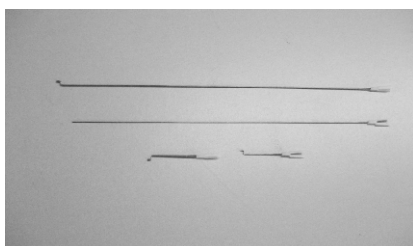


No:top01615
Propellor

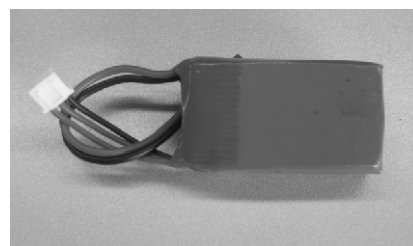
Spare parts



No:top01617
Auxiliary Oil Tank



No:top01618
Controlling steel



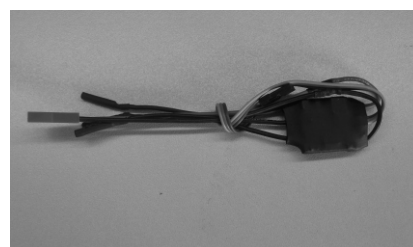
No:top503
7.4v,1000mah Lipo Battery



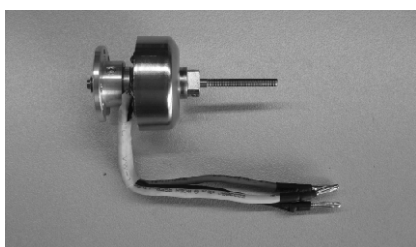
No:top30204
9g Servo (Wire:150mm)



No:top30205
9g Servo (Wire:150mm)



No:top201
12A Brushless ESC



No:top401
Motor (DST-1300)

P-51D
Mustang
Radio Control Model Airplane

TOPTM
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