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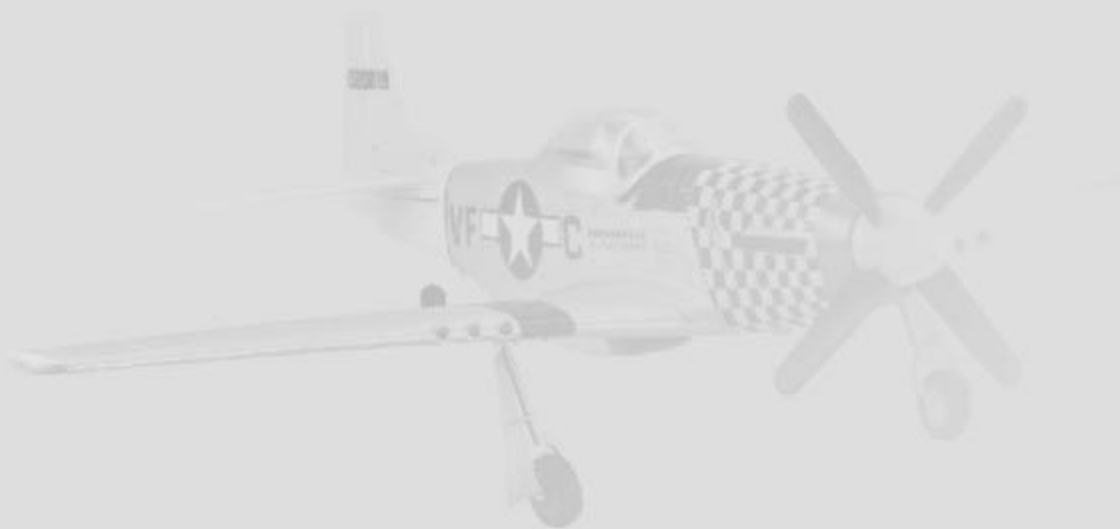
# P-51D Mustang

Remote Control Model Airplane



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## Product introduction

Thanks for purchasing P-51D R/C model plane, please read this instruction carefully in order for safe use.

## Main specification

### Standard

Wing span:960mm  
Length:780mm  
Flying weight:650g  
Motor:390  
With gear box: 1:3.1  
Battery:9.6V 1000MAH  
Radio:4ch  
Mode: FM

### Advanced

Wing span:960mm  
Length:780mm  
Flying weight:550g  
Motor: Brushless motor  
Battery:11.1V 1300MAH  
Radio:4ch  
Mode: FM

## Parts of Product

Fuselage, main wing set, rudder, elevator, main landinggear, transmitter, battery, charger, screw, Propeller, canopy, instruction.



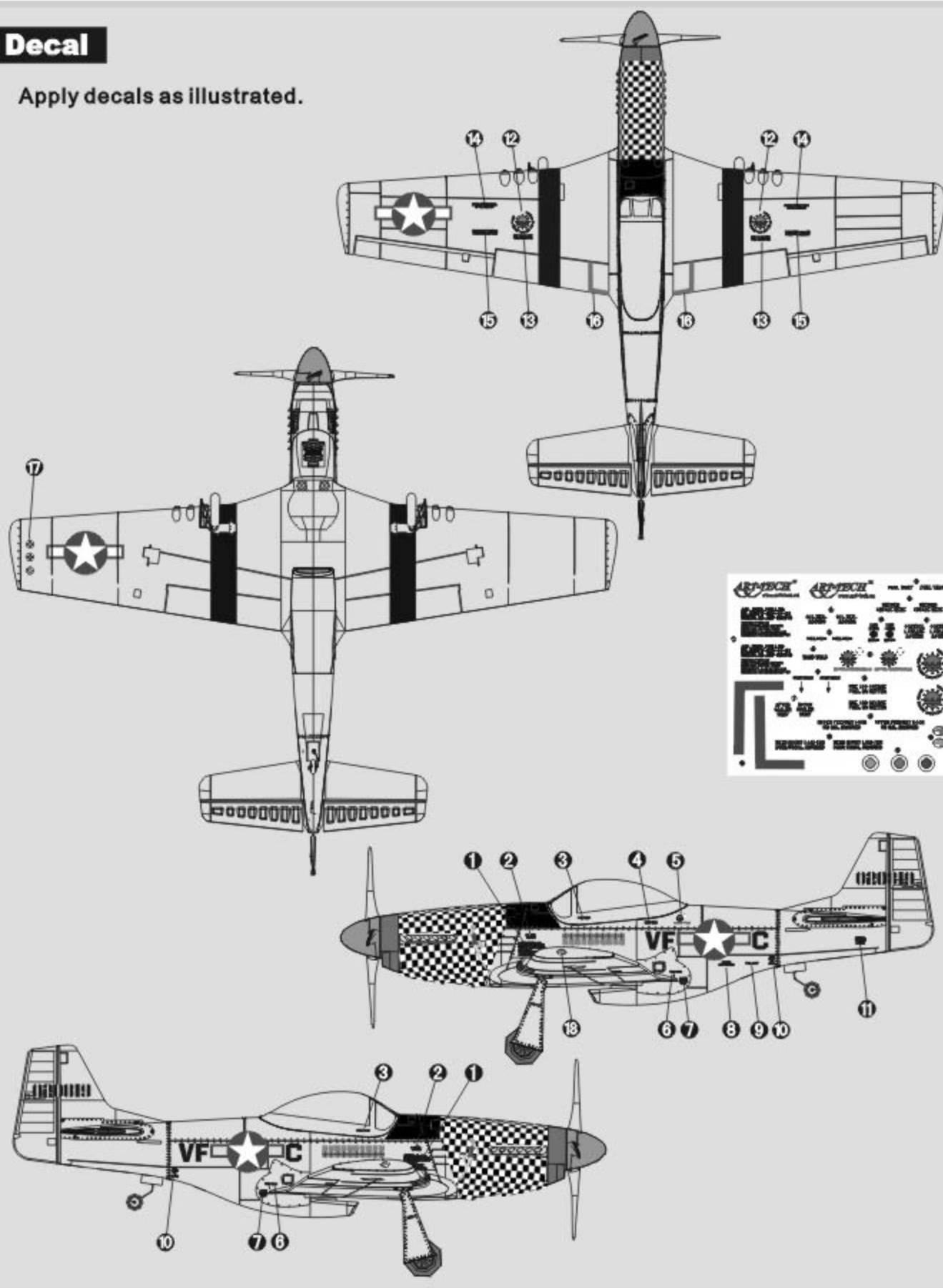
## Safety warning

- 1、 Do not fly in rain, strong wind and thunder;
- 2、 Do not fly near airport, railway, road and electrical wire;
- 3、 Do not fly near the crowd;
- 4、 Do not fly near other with the same frequency;
- 5、 Check model and radio control set work well before fly ;
- 6、 Please use replacement from Art-Tech.

# P-51D MUSTANG

## Decal

Apply decals as illustrated.



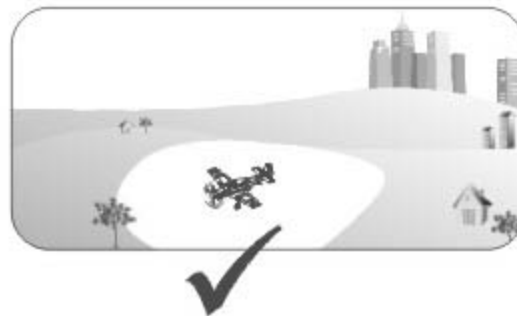
**Safety precautions!**

Please read this section until you fully understand!

1) Do not fly in Strong wind or bad weather.



2) Never fly the model in crowded areas, where there are lots of people, automobiles on the road and power lines over head. Also not to fly around the airport. Please make yourself enough room for the flying and operating, as the plane can travel at high rates of speed. Remember you are responsible for the safety of others.



3) Children under the age of 12, should have an adult guide. Not recommend for the children under the age of 14.



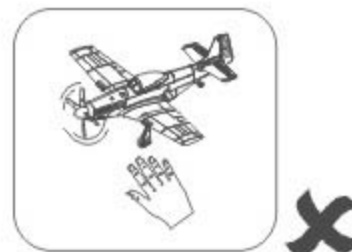
4) Never leave the charger in wet conditions.



5) The Mustang is made from PA and polythene which are tinder. When it meets the heat, transfiguration can easily happen, so you must keep your Mustang away from heat.

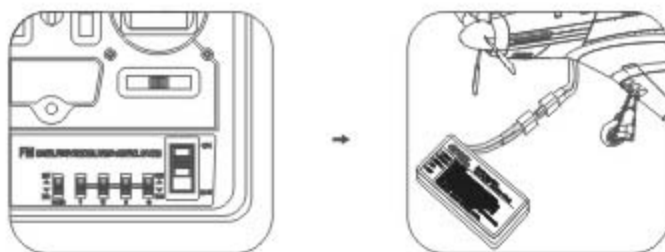


6) Do not attempt to catch the Mustang while it is flying.



7) Never leave this system unattended around children with battery in the unit, as injury can be caused due to children turning on the transmitter or the plane.

8) During the preparation for the flight, please remember to turn on the transmitter before connecting the battery pack.



9) Close the throttle on the transmitter before connecting battery otherwise the motor may operate. The turning propeller may cause injury.



## Statement

- 1、 This is not a toy. It is for experienced modellers only. You are responsible for the safe operation of this model and any damage or harm it may cause;
- 2、 Please adjust this plane according to instruction and make sure finger and other parts out of rotating parts of plane, or it may cause damage to the plane or injury.
- 3、 Users should follow all instructions properly and assemble the model correctly. It is your responsibility to insure the battery is charged correctly, following these instructions.

## Charge Mode and Warning

### ★ Ni-mh battery Charger

Charge the power battery with outfit charger in 3 to 4 hours. Battery will be a little warm after charging. In order to avoid battery damage or fire insurance, do not charge the battery overtime. Battery in charging should be put away from tinder and under supervision to make sure safety.



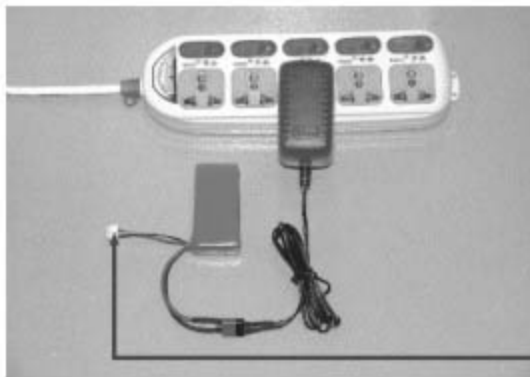
### ★Li-poly battery charger with LED indicator

Li-poly battery should be charged with special outfit charger and used as per its instruction.



### ★ Li-poly battery charger w/o LED indicator

In order to avoid the damage to the battery , the charger will be auto-cutoff in 3 hours when the battery is fully charged.



Balanced charge interface  
(The balanced charger should purchase separately.)

## Safety Instruction of Li-Po/Ni-mh Battery

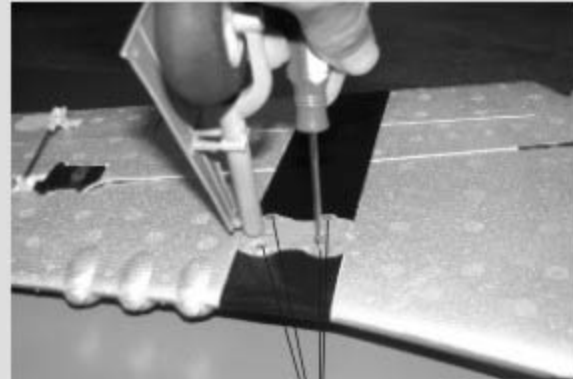
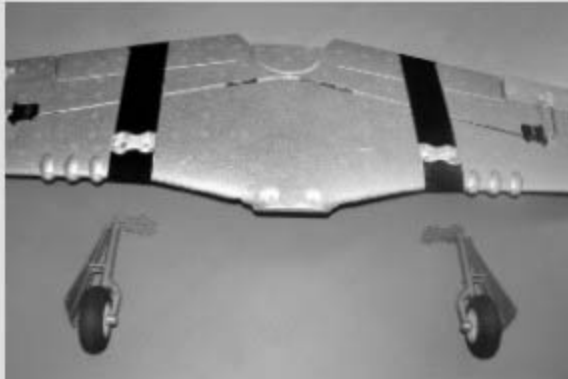
01. Do not disassemble or reconstruct the battery.
02. Do not short-circuit the battery.
03. Do not use or leave the battery nearby the fire, stove or heated place (more than 80°C).
04. Do not immerse the battery in water or sea water, do not get it wet.
05. Do not charge the battery nearby the fire or under the blazing sunlight.
06. Do not drive a nail into the battery, strike it by hammer or tread it.
07. Do not impact or toss the battery.
08. Do not use the battery with conspicuous damage or deformation
09. Do not make the direct soldering on the battery.
10. Do not reverse charge or over discharge the battery.
11. Do not reverse charge or reverse connect.
12. Do not connect the battery to the ordinary charger socket or car cigarette jack.
13. Do not use the battery for unspecified equipment.
14. 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.
15. Do not mix the Li-Poly battery with other un-chargeable battery in using.
16. Do not continue charging the battery over the prescribed time.
17. Do not put the battery into the microwave oven or high-pressure container.
18. Do not use the abnormal battery.
19. Do not use or keep the battery under the sunlight.
20. Do not use the battery nearby the place where generates static electricity (over 64V).
21. Do not charge the battery when the environmental temperature is under 0°C or over 45°C.
22. If you find the battery leaking, smelling or abnormal, stop using it and return it to the seller.
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.

### CAUTION

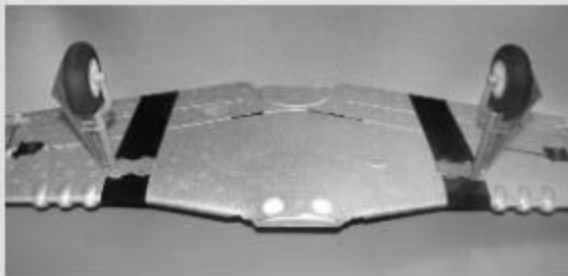
1. Be fully charged under no more than 1 A voltage by using the specified charger.
2. Be discharged under 10C voltage but avoiding discharge time too long to harm the battery.
3. Repeat the first and second step one or two times.

**Assembling step for P-51D**

1、 Insert the main landing gear into the appointed slot and attach with screws.



Φ 1.7X16MM  
 .....



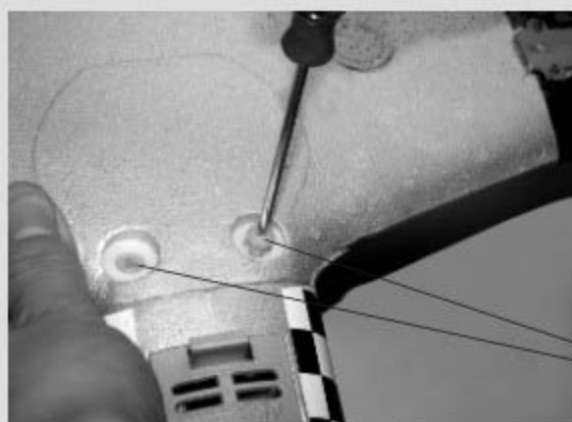
2、 Connect the servo wire from main wing to the first channel of receiver.



3、 Fix the main wing set to the fuselage properly.



4. penetrate the screw from main wing into fuselage and fix it.



Φ 4X30MM  
 ..... 2

5. Place the horizontal stab into place and attach with screws.



Φ 2X12MM  
 ..... 2

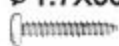
**6. Install the vertical stab in place.**



**7. Install and attach the tail fairings with screws.**



**Ø 1.7X6MM**  
 ..... 2

**Ø 1.7X33MM**  
 ..... 1

8. connect the clevis to the rudder and elevator.



Φ 1.7X16MM  
 1

9. Place spinner hub on shaft then the propeller and then the nut. Then snap spinner in place. Make sure the transmitter batteries are charged, the transmitter is off and the throttle is at idle. Now turn on transmitter.



10、 Plug well charged battery to the transmitter and close the battery bay.



11、 Please put the socket into the fuselage body, then cover the battery.

1)、 For Li-poly battery



2)、 For Ni-MH battery



## P-51D MUSTANG

12. Before using, please test function of all joysticks. While testing motor, make sure the propeller is out of reach of any person or item and then fix the plane.



13. Function of Radio control set.

MODE 1 (Throttle on right Stick)



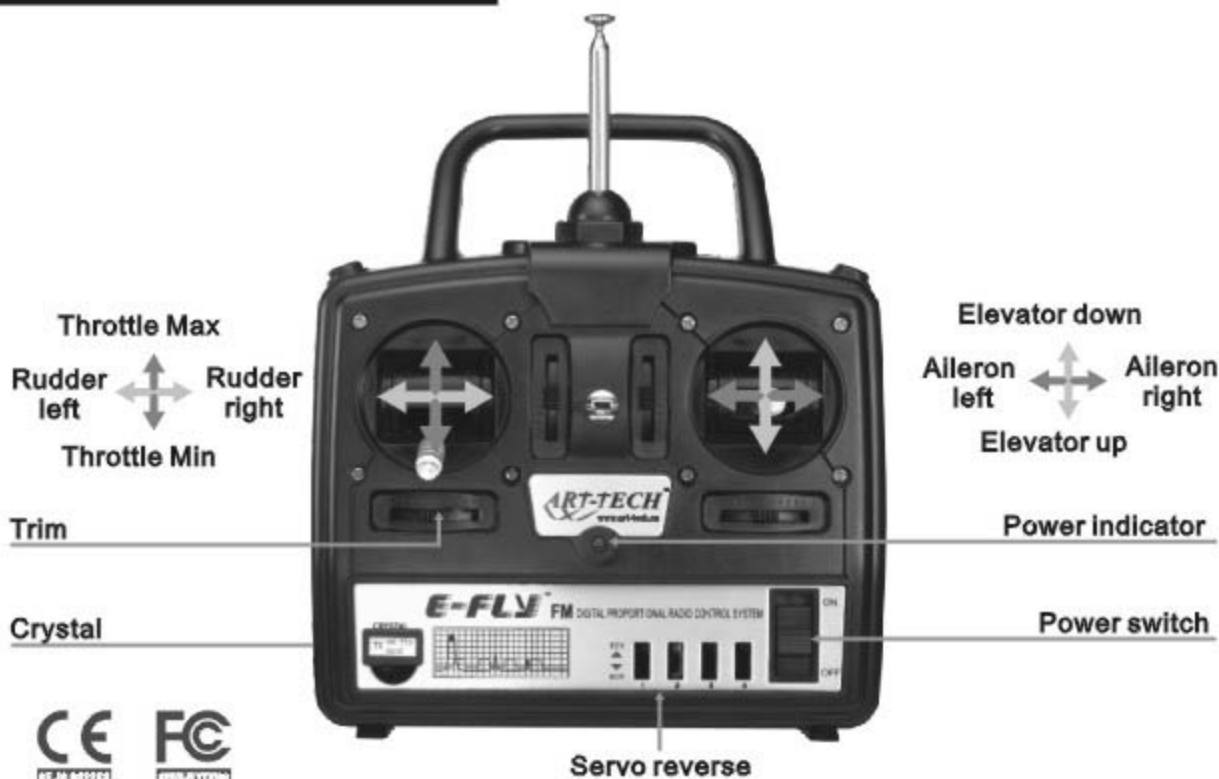
MODE 2 (Throttle on left Stick)



**Speed controller operation**

- ① Turn on the transmitter first, then connect battery.
- ② Keep the throttle stick at the lowest level for at least one second, then you are able to open the throttle and the motor will respond. This is a safety feature. If the motor does not work, please reset the controller by disconnecting the battery and repeating steps ① and ②.
- ③ When the battery voltage is lower than safety voltage, the speed controller can auto-cut the power to the motor but still keep supplying power for receiver & servo.

**Functions for control set**



**MODE II**

**Picture of control Set connection**



## Spare parts list



No:P51010  
Main wing set



No:P51011  
Tail wing set



No:P51012  
fuselage



No:P51013  
Small plastic set



No:P51014  
Main landing gear set



No:P51015  
Control horn



No:P51016  
Propeller



No:P51017  
Motor with gear box

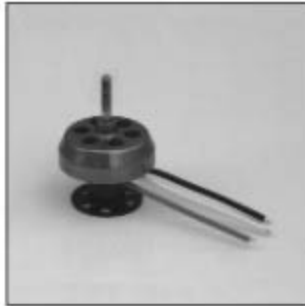


No:302304  
Li-poly battery



No:301501  
Ni-MH battery

**Spare parts list**



**No:301302B  
Brushless motor**



**No:301450  
Speed Controller**



**No:302402  
Brushless ESC**

## Center of Gravity Check

Please check the CG before heading to the flying field. The center of gravity for your P-51D Mustang should fall within the range as indicated by the arrows. For your initial flights, we suggest that you balance the model toward the front of the wing. After you become more familiar with the airplane, you can move the CG more aft. However, under no circumstances should the CG fall behind (toward the rudder) the rear mark. If necessary, adjust the CG by moving your receiver or adding weight to the nose or tail of the airplane.



## Trouble shooting

Phenomenon	Problem	How to solve
Motor does not run	<ol style="list-style-type: none"><li>1. Battery in plane is not fully charged.</li><li>2. Did not push the start switch on the fuselage.</li><li>3. The battery in the transmitter is not full.</li><li>4. The circuit in the model has been damaged due to crash.</li></ol>	<ol style="list-style-type: none"><li>1. Charge the battery.</li><li>2. Push the start switch on the fuselage.</li><li>3. Install new dry cells.</li><li>4. Contact the distributor</li></ol>
Cannot fly straight	<ol style="list-style-type: none"><li>1. The rudder is not centred.</li><li>2. The main wing has not been installed on the fuselage center.</li></ol>	<ol style="list-style-type: none"><li>1. Adjust the rudder trim on the transmitter.</li><li>2. Reinstall the main wing.</li></ol>
Cannot climb	<ol style="list-style-type: none"><li>1. The battery is not fully charged.</li><li>2. The elevator is angled downward.</li></ol>	<ol style="list-style-type: none"><li>1. Charge the battery.</li><li>2. Adjust the elevator trim on the transmitter.</li></ol>
Control distance is limited	<ol style="list-style-type: none"><li>1. The batteries in the transmitter are running flat.</li><li>2. The antenna of transmitter has not been completely extended.</li></ol>	<ol style="list-style-type: none"><li>1. Install new dry cells.</li><li>2. Completely extend the antenna of the transmitter.</li></ol>

There will be no notice while changes caused by improving.  
Without permitting, it is forbidden to do copy of the content of this manual.

2007.03



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