P-51 MUSTANG EP

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**Speed 400 motor**

Requires : 4 channel radio w/ 4 micro servos,
15A (8 cells) speed controller,
8 cells 1000 mAh battery & charger.

<table>
<thead>
<tr>
<th>Specifications</th>
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<tbody>
<tr>
<td>Wing Span</td>
<td>39.5 in / 1000mm</td>
</tr>
<tr>
<td>Wing Area</td>
<td>282 sq in / 18.2 sq dm</td>
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<tr>
<td>Flying Weight</td>
<td>26 oz / 740g</td>
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<tr>
<td>Fuselage Length</td>
<td>34.5 in / 880mm</td>
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</table>

*Specifications are subject to change without notice.*

**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 electric 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.
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 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.

3. Symbols used throughout this instruction manual comprise of the following:

- **AB**: Apply epoxy glue.
- **C.A**: Apply instant glue (C.A, glue, super glue.)
- **L/R**: Assemble left and right sides the same way.
- **Ensure smooth non-binding movement while assembling.**
- **Cut off shaded portion.**
- **Peel off shaded portion covering film.**
- **Drill holes with the specified diameter (here: 3mm).**
- **N.I.**: Must be purchased separately!
- **Pay close attention here!**
- **Warning**: Do not overlook this symbol!
- **Pierce the shaded portion covering film.**
Parts List

1. MAIN WING -- 1 pc.
2. SCREW PM2x16mm -- 4 pcs
3. FUEL TUBE d2xD4x4mm -- 4 pcs
4. STRAPER -- 2 pcs
5. HORN -- 2 pcs
6. PUSH ROD Ø1.4x60mm w/Threads (For Aileron Servo) -- 2 pcs
7. STABILIZER & ELEVATOR -- 1 set
8. FUSELAGE -- 1 pc.
9. VERTICAL FIN & RUDDER -- 1 set
10. BALSA 3.5x13.2x35mm -- 1 pc.
11. MAIN LANDING GEAR -- 1 set
12. SCREW PWA2x8mm -- 4 pcs
13. PILOT(PC101042A) -- 1 pc.
14. CANOPY -- 1 pc.

COVERING:

- LIGHTEX SGX 194000
- LIGHTEX SGX 250 BLUE
- LIGHTEX SGX 311 FERRARI RED
- LIGHTEX SGX 100 WHITE
- LIGHTEX SGX 330 CADMIUM YELLOW
- LIGHTEX SGX 370 SILVER
- LIGHTEX SGX 251 SKY BLUE
- LIGHTEX SGX 201 BLACK
1 Main Wing

- Aileron Servo Lead

- Bottom View

L/R

- Apply instant type CA glue to both sides of each hinge.

2 Aileron Servos

- PM2x16mm Screw (4)

- Ø1mm pilot holes for World Models tri-horn are pre-drilled. Please look for pin-hole marks at under side of control surfaces.

L/R

- Bottom View
3 Stabilizer & Elevator

- Apply instant type CA glue to both sides of each hinge.

- Also refer to step 13 Wing Setting

4 Vertical Fin & Rudder

- Apply instant type CA glue to both sides of each hinge.
5 Tail Landing Gear

- **PA2 x 8mm Screw**
  - Plastic Collar

6 Rudder Pushrod

- **PM2 x 8mm Screw**
  - \( \phi 1 \)mm pilot holes for World Models tri-horn are pre-drilled. Please look for pin-hole marks at side of control surfaces.

- **Fuel Tube d2xD4x4mm**
  - **Clevis**
  - **PM2 x 8mm**

7 Elevator Pushrod

- **PM2 x 8mm Screw**
  - \( \phi 1 \)mm pilot holes for World Models tri-horn are pre-drilled. Please look for pin-hole marks at under side of control surfaces.

- **Pushrod \( \phi 1.4x470mm \)**
  - **Fuel Tube d2xD4x4mm**
  - **Clevis**
  - **PM 2x8mm**
  - **Horn**
  - **\( = 30mm \)**
  - **\( = 116mm \)**

- **Bottom View**
8 Motor / Cowling

1. PM2 x 12mm Screw
2. PWA2 x 8mm Screw
3. PA2.6 x 10mm Screw
4. M2 Nut
5. d2 x D5mm Washer
6. 3mm Set Screw

TO ALLOW FOR BACKLASH OF MATCHING GEAR, PUT A PIECE OF THIN PAPER BETWEEN THE GEARS AND THEN TIGHTEN THE M2.6X7mm SCREWS. REMOVE THE PAPER BEFORE FLYING.
10 Main Wing

PM2.5x20mm Screw 2
AXL6x16 2
d2.5 x D8mm Washer 2
PWA2.3x8mm Screw 2

Front

PM2.5x20mm Washer d2.5xD8mm

Air Scoop 12mm

PWA2.3x8mm

11 Main Landing Gear

PA2.3x12mm Screw 4
2.6mm Collar 2

2.6mm Collar

3mm Set Screw

L/R

PA2.3x12mm

Landing wire straps

52.4mm

L

77mm

13mm
12 Canopy

PWA2 x 8mm Screw

13 Wing Setting

- Adjust the wing and fuselage configuration as in the diagrams.
14 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.

Rudder
- 20mm
- 20mm

Elevator
- 10mm
- 10mm

Aileron
- 8mm
- 8mm

15 C.G.

The ideal C.G. position is 88mm (3.46 in.) behind the leading edge measured at where the wing meets the fuselage. In order to obtain the C.G. specified, add weight to the fuselage or move the battery position. Check the C.G. before flying.

3.46in.

! 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 EP is specially designed to be powered by geared speed 400 motor.

#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.
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# ___________ Fuselage QC# __________________________
(QC numbers are stamped 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.