0.60–0.75 cu. in. displacement 2-stroke
0.91 cu. in. displacement 4-stroke
Requires: 6–channel radio w/ 7 standard servos

<table>
<thead>
<tr>
<th>Specifications</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Wing Span</td>
<td>64.5 in / 1640mm</td>
</tr>
<tr>
<td>Wing Area</td>
<td>755 sq in / 48.7 sq dm</td>
</tr>
<tr>
<td>Flying Weight</td>
<td>8.4 lb / 3700g</td>
</tr>
<tr>
<td>Fuselage Length</td>
<td>56.0 in / 1430mm</td>
</tr>
</tbody>
</table>

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.
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. Warranty will not cover any parts modified by customer.

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

- **AB**: Apply epoxy glue.
- **CA**: Apply instant glue (C.A.glue, super glue.)
- **N.I.**: Must be purchased separately!
- **L/R**: Assemble left and right sides the same way.
- ****: Ensure smooth non-binding movement while assembling.
- ****: Cut off shaded portion.
- ****: Pierce the shaded portion covering film.
- ****: Drill holes with the specified diameter (here: 3mm).
- ****: Pay close attention here!
- ****: Warning! Do not overlook this symbol!
<table>
<thead>
<tr>
<th>Part Description</th>
<th>Quantity</th>
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</thead>
<tbody>
<tr>
<td>MAIN WING -- 1 pair</td>
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<tr>
<td>WING TUBE Ø16x595mm -- 1 pc.</td>
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<tr>
<td>SCREW PM2x6mm -- 12 pcs</td>
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</tr>
<tr>
<td>M2 NUT -- 12 pcs</td>
<td></td>
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<tr>
<td>WASHER d2xD35mm -- 24 pcs</td>
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</tr>
<tr>
<td>MAIN LANDING GEAR COVER -- 1 pair</td>
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</tr>
<tr>
<td>RETRACTABLE LANDING GEAR COVER -- 1 pair</td>
<td></td>
</tr>
<tr>
<td>MAIN WHEEL Ø90mm -- 2 pcs</td>
<td></td>
</tr>
<tr>
<td>SCREW PM2x20mm -- 6 pcs</td>
<td></td>
</tr>
<tr>
<td>SCREW PWA2x8mm -- 8 pcs</td>
<td></td>
</tr>
<tr>
<td>TRI-HORN M3x14mm(L)(For Aileron) -- 2 set</td>
<td></td>
</tr>
<tr>
<td>PUSHROD Ø1.8x87mm w/ Threads(For Aileron Servos) -- 2 pcs</td>
<td></td>
</tr>
<tr>
<td>SERVO MOUNTING PANEL 2mm(For Aileron Servos) -- 1 pair</td>
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<tr>
<td>FUEL TUBE Ø6x5mm -- 4 pcs</td>
<td></td>
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<tr>
<td>STRAPER -- 2 pcs</td>
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<tr>
<td>CLEVIS -- 2 pcs</td>
<td></td>
</tr>
<tr>
<td>FUEL TUBE Ø6x5mm -- 3 pcs</td>
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</tr>
<tr>
<td>Y ROD Ø1.8x110mm(For Aileron Servo) -- 1 set</td>
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<tr>
<td>RING Ø2.6mm -- 2 pcs</td>
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<tr>
<td>STRAPER -- 1 pc</td>
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<tr>
<td>STABILIZER &amp; ELEVATOR -- 1 set</td>
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<tr>
<td>VERTICAL FIN &amp; RUDDER -- 1 set</td>
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<tr>
<td>TAIL LANDING GEAR -- 1 set</td>
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<tr>
<td>SCREW PA3x12mm -- 2 pcs</td>
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<td>COLLAR Ø2.6mm w/ set screw -- 1 set</td>
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<td>TAIL WHEEL Ø30mm -- 1 pc</td>
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<td>SCREW PM2x20mm -- 6 pcs</td>
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<tr>
<td>CLEVIS -- 2 pcs</td>
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<tr>
<td>SCREW PM2x25mm -- 3 pcs</td>
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<td>TRI-HORN M3x14mm(L)(For Rudder) -- 1 set</td>
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<tr>
<td>PUSHROD Ø1.8x710mm w/ Threads(For Rudder Servo) -- 1 pc</td>
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<tr>
<td>CLEVIS -- 1 pc</td>
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<tr>
<td>SOCKET HEAD SCREW M4x25mm -- 4 pcs</td>
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<tr>
<td>WASHER d4xD15mm -- 4 pcs</td>
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<tr>
<td>ENGINE MOUNT PL5111080 -- 1 set</td>
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<tr>
<td>FUEL TANK 380cc -- 1 set</td>
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<tr>
<td>BALSA 8x8x118mm(For Fuel Tank Position Fixing) -- 1 pc.</td>
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<tr>
<td>THROTTLE PUSHWIRE Ø1.2X450mm -- 1 pc.</td>
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<tr>
<td>PLASTIC TUBE Ø2x3x180mm -- 1 pc.</td>
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<td>ANTI-VIBRATION MOUNT 4C-91 -- 1 set</td>
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<td>INCLUDE: SOCKET HEAD SCREW M4x35mm -- 4 pcs</td>
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<tr>
<td>SCREW KM3x20mm -- 8 pcs</td>
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<tr>
<td>WASHER d4xD12mm -- 8 pcs</td>
<td></td>
</tr>
<tr>
<td>NYLON INSERT LOCK NUT M3 -- 8 pcs</td>
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<tr>
<td>ø1.8X110MM -- 1 set</td>
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<tr>
<td>ENGINE MOUNT ALUMINUM PLATE</td>
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<td>LINKAGE CONNECTOR Ø2.1mm -- 3 sets</td>
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<tr>
<td>PLYWOOD 6x4x120mm(For Throttle Servo) -- 1 pc.</td>
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<tr>
<td>BALSAS 7x7x41mm(For Throttle Servo Stand) -- 2 pcs.</td>
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<tr>
<td>BALSAS 7x7x61mm(For Fuselage Servo) -- 1 pc.</td>
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<tr>
<td>BALSAS 7x7x118mm(For Fuselage Servo Stand) -- 2 pcs.</td>
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<tr>
<td>PUSHROD Ø1.8x100mm(For Elevator) -- 1 pc.</td>
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<tr>
<td>PUSHROD CONNECTOR 4x9x20mm(For Elevator) -- 1 set</td>
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<tr>
<td>SPONGE 60x70x118mm -- 1 pcs</td>
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<td>FUEL TUBE Ø6x5mm -- 2 pcs</td>
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<td>STRAPER -- 2 pcs</td>
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<tr>
<td>PLYWOOD 8x8x118mm(For FUEL Tank Position Fixing) -- 1 pc</td>
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<tr>
<td>SILICON GROMMET d1.5x0.5mm -- 8 pcs</td>
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<tr>
<td>DOUBLE-SIDED TAPE 8x1000 -- 1 pc.</td>
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<td>CANOPY -- 1 pc</td>
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<td>PILOT PC13057B2 -- 1 set</td>
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<tr>
<td>PLYWOOD PA2.3x12mm -- 8 pcs</td>
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<tr>
<td>SILICON GROMMET d1.5x0.5mm -- 4 pcs</td>
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<tr>
<td>SPINNER (Blue/alu.back plate) Ø102mm -- 1 set</td>
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<tr>
<td>COWLING -- 1 pc</td>
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<tr>
<td>TRANSPARENT 3D TEMPLATE -- 1 pc.</td>
<td></td>
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<tr>
<td>DECALS -- 1 set</td>
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</tbody>
</table>

**COVERING:**

- TOUGHLON STL 370 SILVER
- TOUGHLON STL 251 SKY BLUE
- TOUGHLON STL 201 BLACK
- TOUGHLON STL 311 FERRARI RED
1 Main Wing

- Bottom View

2 Main Wing

- Wing Tube Ø16x595mm

Completed

- Make sure to glue securely. If not properly glued, a failure in flight may occur.
3 Retractable Landing Gear

- PM 2 x 6 mm Screw 12
- M2 Nut 12
- d2 x D5mm Washer 24

L/R

Bottom View

Completed

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

4 Aileron Servo

- PM 2 x 20mm Screw 6
- PWA 2 x 8 mm Screw 8

L/R

Completed

- Bottom View

Completed

Pushrod Ø1.8x87mm

P.4
5 Flap and Retract Servo

- Select the servo horn that will give 26mm travel when rotates through 180°.

6 Stabilizer & Elevator

Temporary install the main wing, adjust leveling of the stabilizer to make it as parallel to the main wing as possible.

7 Vertical Fin / Rudder

Completed
8 Tail Landing Gear

- PA3x12mm Screw: 2
- 3mm Set Screw: 1
- 2.6mm Collar: 1

- Ø6 x 5mm Fuel Tube
- M3 x 21mm(L) Tri-horn
- 2mm Clevis
- PM 2 x 20mm Screw
- 2mm Ring

- Elevator Pushrod: Ø1.8 x 560mm

- PA3x12mm Screw

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

9 Elevator Pushrod

- PM 2 x 20 mm Screw: 6

- PM 2 x 20mm Screw
- Ø6 x 5mm Clevis
- 2mm Tri-horn M3 x 21mm(L)
- Elevator Pushrod Ø1.8 x 560mm

- 3mm Set Screw

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

10 Rudder Pushrod

- PM 2 x 25 mm Screw: 3

- PM 2 x 25mm Screw
- Ø6 x 5mm Clevis
- 2mm Ring
- Tri-horn M3 x 14mm(L)
- Fuel Tube
- Rudder Pushrod Ø1.8 x 710mm

- 3mm Set Screw
- PM2 x 25mm

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

- Elevator Pushrod
- Rudder Pushrod

Completed

12 Engine Mount

- Socket Head Screw M4 x 25mm - 4
- Washer d4 x D15mm - 4

- Apply thread locker to screws

- Blind nuts are off-centered to keep the spinner at the fuselage axis.

13 Fuel Tank

- Fuel Tank 380cc
- Install Balsa 8 x 8 x 118 mm (For Fuel Tank Position Fixing)

Bottom View

P.7
**14 Engine**

- M4x35mm Socket Head Screw: 4
- KM3x20mm Screw: 8
- M4 Nylon Insert Lock Nut: 4
- M3 Nylon Insert Lock Nut: 8
- d4 x D12mm Washer: 8

**ANTI-VIBRATION MOUNT INSTALLATION**

- KM3 x 20mm

Illustration is for inverted mounting. You can mount the engine upright or sideways simply by rotating the engine mount. Thrust angles will not be affected.

- Throttle Pushwire Ø1.2x450mm
- Plastic Tube d2xD3x180mm

**L/R**

Make sure the rounded edges are facing the shock absorbing silicon PAD.

- Installed Engine Position

**15 Servo Set**

- 3 x 3mm Set Screw: 3
- Linkage Connector: 3
- M2 Nut: 3
- 2mm Washer: 3

- Throttle Pushwire
- M2 Nut

Please refer to attached sheet for linkage connector installation.
16 Servos

Install and arrange the servo as shown in the diagram.

17 Main Wing

PM4 x 40mm Screw 2
D4 x D15mm Washer 2
PWM2.5 x 12mm Screw 3

Wing Protection 2 x 20 x 95mm

Screw PM4 x 40mm

Washer D4 x D15mm
18 Canopy

- First insert the grommet to the canopy then apply screw.

- Apply double-sided tape

19 Cowling

- Please refer to the attached sheet for usage of the transparent 3D template. First insert the grommet to the cowling then apply screw.
20 Wing Setting

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

A = A'
B = B'
C = C'

Measure C.G. with the wheels in retracted position.

21 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

25mm

Rudder

45mm

Flaps (near fuselage)

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

Ailerons (away from fuselage)

Wing Setting

22 C.G.

The ideal C.G. position is 115mm (4.5in) 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.
**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 60 is specially designed to be powered by 2C 0.61-0.75 or 4C 0.91 engine, using a more powerful engine does not mean better performance. In fact, overpowered 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.

# When Flaps are lowered, nose of model will rise. The nose-up varies with the speed at which the models is flying when you lower the flaps and the extent to which they are lowered. Check effect of flaps at higher altitude to avoid surprises during landing. You may apply down trim of the elevator to compensate for the nose-up effect when lowering the flaps. Taking off with flaps lowered is not recommended, as the increased drag may require a longer runway and more engine power for the model.
Usage of the transparent 3D template

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

1. 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.
After fastening the round nut, make sure that the linkage connector can rotate freely.

Drill 2mm hole at servo horn.

Insert linkage connector into servo horn.

Shoulder

Make sure shoulder of screw is cleared from servo horn. Add washer to reduce play if necessary.

Tighten up the round nut against the shoulder. Apply CA or permanent thread locker.

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, 2403 Research Drive, Livermore, CA 94550 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.
The World Models

- Ducted Fan
- Pattern
- Warbirds
- Funfly
- Scale
- Electric
- Sports
- Glider
- Trainer
- Boat
- Accessories
- Covering
  (Lightex / Toughlon)

http://www.theworldmodels.com