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.

### Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wing Span</td>
<td>56.5 in / 1435 mm</td>
</tr>
<tr>
<td>Wing Area</td>
<td>558 sq in / 36 sq dm</td>
</tr>
<tr>
<td>Flying Weight</td>
<td>6.8 lb / 3100 g</td>
</tr>
<tr>
<td>Fuselage Length</td>
<td>51 in / 1290 mm</td>
</tr>
</tbody>
</table>

*Specifications are subject to change without notice.*
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 :-

- **Abbreviation**
  - Apply epoxy glue.
  - Apply thread locker
  - Assemble left and right sides the same way.
  - Peel off shaded portion covering film.
  - Drill holes with the specified diameter (here: 3mm).
  - Pay close attention here!

- **Warning Symbol**
  - Apply instant glue (C.A.glue, super glue.)
  - Must be purchased separately !
  - Ensure smooth non-binding movement while assembling.
  - Cut off shaded portion.
  - Pierce the shaded portion covering film.
  - Do not overlook this symbol !
Parts List

1. MAIN WING -- 1 pair
2. PUSHROD Ø1.8x95mm w/ Threads (For Aileron) -- 2 pcs
   TRI-HORN PL4111221 -- 2 sets
   SCREW PB2x18mm -- 4 pcs
   SCREW PB2x14mm -- 2 pcs
   SCREW PW2.3x8mm -- 8 pcs
   CLEVIS PL4112103 -- 2 pcs
   FUEL TUBE D6x5mm -- 4 pcs
   STRAPER PL4112102 -- 2 pcs
   SERVO MOUNTING PANEL PL5310000 -- 1 pair
   MAIN LANDING GEAR COVERS -- 1 pair
   RETRACTABLE LANDING GEAR COVERS -- 1 set
   WING JOINER 8x22.7x219mm -- 1 pc.
   180mm Y-CORD KW0021800 -- 1 pc.
3. STABILIZER & ELEVATOR -- 1 set
   FUSELAGE -- 1 pc.
4. VERTICAL FIN & RUDDER -- 1 set
5. PUSHROD Ø1.8x500mm w/ Threads (For Elevator) -- 2 pcs
   SCREW PB2x14mm -- 4 pcs
   SCREW PB2x12mm -- 2 pcs
   CLEVIS PL4112103 -- 2 pcs
   TRI-HORN PL4111221 -- 2 sets
   FUEL TUBE D6x5mm -- 2 pcs
6. PUSHROD Ø1.8x630mm w/ Threads (For Rudder) -- 1 pc.
   CLEVIS PL4112103 -- 1 pc.
   SCREW PB2x12mm -- 3 pcs
   TRI-HORN PL4111221 -- 1 set
   FUEL TUBE D6x5mm -- 1 pc.
7. TAIL LANDING GEAR -- 1 set
   TAIL WHEEL Ø25mm -- 1 pc.
   COLLAR Ø2.1mm w/ Set Screw -- 1 set
   SCREW PA3x14mm -- 2 pcs
   SCREW PM2x10mm -- 1 pc.
   ALUMINIUM PLATE 0.3mm -- 1 pc.
   M2 NUT -- 1 pc.
8. ENGINE MOUNT PL5111050 -- 1 set
   SOCKET HEAD SCREW M4x25mm -- 4 pcs
   WASHER d4xD9mm -- 4 pcs
9. THROTTLE PUSHWIRE Ø1.2x500mm -- 1 pc.
   PLASTIC TUBE d2xO3x360mm -- 1 pc.
   SCREW PM3.5x30mm -- 4 pcs
   WASHER d3.5xD8mm -- 8 pcs
   M3.5 NUT -- 8 pcs
A341PO31811702

10. FUEL TANK 450cc -- 1 set
    CABLE TIE 1.5x5x400mm -- 1 pc.
    DOUBLE-SIDE TAPE 40x100mm -- 1 pc.
11. SILICON GROMMETS PL1265035 -- 4 pcs
    SPINNER Ø82mm PL2111082 -- 1 set
    SCREW PW2.6x12mm -- 4 pcs
    COWL -- 1 pc.
    TRANSPARENT 3D TEMPLATE -- 1 pc.
12. LINKAGE CONNECTOR Ø2.1mm w/ set screw -- 1 set
13. STRAPER PL4112102 -- 2 pcs
    FUEL TUBE D6x5mm -- 2 pcs
    PUSHROD CONNECTOR PL4410010 -- 1 set
    PUSHROD Ø1.8x75mm (For Elevator) -- 1 pc.
    SPONGE 60x70x105mm -- 2 pcs
14. SCREW HM4x30mm -- 2 pcs
    SCREW HM4x55mm -- 2 pcs
    WASHER d4xD15mm -- 4 pcs
15. SCREW PM3x13mm -- 1 pc.
    WASHER d3xD7mm -- 1 pc.
    AIR SCOOPY -- 1 pc.
16. DECALS: A341 DEC -- 1 set

COVERING:

TOUGHLON STL 100 WHITE
TOUGHLON STL 311 FERRARI RED
TOUGHLON STL 201 BLACK
TOUGHLON STL 250 BLUE
TOUGHLON STL 331 CUB YELLOW
1 Main Wing

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

2 Aileron Pushrod & Retractable Landing Gear

- 4.8V - 6.0V operation only, higher voltage will burn out the retract motor.

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

- Please dry fit wing joiner into left and right wing to make sure they fit with the proper dihedral angle, mark the wing joiner if necessary. Apply epoxy glue to both sides of all surfaces in contact. Use a stick to apply the glue to inner side of wing joiner sleeve, and apply the glue to wing joiner before putting them together. Wing joiner not glued properly will lead to wing failure and plane crash.
3 Stabilizer & Elevator

- Temporary install the main wing, adjust leveling of the stabilizer to make it as parallel to the main wing as possible.
- Apply instant type CA glue to both sides of each hinge.

4 Vertical Fin & Rudder

- Apply instant type CA glue to both sides of each hinge.
- Remove coverings for all surfaces in contact before applying A/B epoxy glue.
5 Elevator Pushrod

PB2x14mm Screw 4
PB2x12mm Screw 2

Fuel Tube D6x5mm
Clevis
Pushrod Ø1.8x500mm

PB2x14mm PB2x12mm
Tri-horn M3 x 14mm

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

6 Rudder Pushrod

PB2x12mm Screw 3

Fuel Tube D6x5mm
Clevis
Pushrod Ø1.8x300mm
PB2x12mm

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

7 Tail Landing Gear

PA3x14mm Screw 2
PM2x10mm Screw 1
2.1mm Collar 1
M2 Nut 1

PA3x14mm 2.1mm Collar
3mm set screw M2 Nut

Aluminium Plate

Bottom View
8 Engine Mount

- M4x25mm Socket Head Screw: 4
- d4xD9mm Washer: 4

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

- Apply thread locker to screws

- For short engines, add base brackets.

9 Engine

- PM3.5x30mm Screw: 4
- d3.5xD8mm Washer: 8
- M3.5 Nut: 8

- 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.

- For short engines.
10 Fuel Tank

First insert the grommet to the cowling then apply screw.

- **P.W.A.2.6x12mm Screw**: 4
- **d1.5x6.5mm Silicon Grommets**: 4

11 Cowling

- **Fuselage**
- **Cowling**
- **d1.5x6.5mm Grommet**
- **P.W.A.2.6x12mm**

- **Silicon Grommets**
- **P.W.A.2.6x12mm**

- **N.I.**
- **Spinner**

- **Double-sided Tape 40x100mm**
- **Cable Tie 1.5x5x400mm**

- First insert the grommet to the cowling then apply screw.
12 Servo Set

- 3x3mm Set Screw: 1
- Linkage Connector: 1
- M2 Nut: 1
- 2mm Washer: 2

Please refer to the attached sheet for linkage connector installation.

13 Servos Setting

- Install and arrange the servo as shown in the diagram.

- J1 (Pushrod Ø1.8x75mm)
- J1
- J2

- Throttle Servo
- Elevator Pushrod Ø1.8x500mm
- Plastic Tube d2xD3x360mm
- Receiver
- Battery

- Rudder Pushrod Ø1.8x630mm
- Fuel Tube D6x5mm
- Straper

- Elevator Servo
- Pushrod Connector
14 Main wing

<table>
<thead>
<tr>
<th>Component</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>HM4x30mm Screw</td>
<td>2</td>
</tr>
<tr>
<td>HM4x55mm Screw</td>
<td>2</td>
</tr>
<tr>
<td>d4xD15mm Washer</td>
<td>4</td>
</tr>
</tbody>
</table>

15 Air Scoopy

<table>
<thead>
<tr>
<th>Component</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM3x13mm Screw</td>
<td>1</td>
</tr>
<tr>
<td>d3xD7mm Washer</td>
<td>1</td>
</tr>
</tbody>
</table>

Completed
Wing Setting & Decals

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

A341PO31811702
17 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
15mm
15mm

Rudder
28mm
28mm

Ailerons
8mm
8mm

18 C.G.

- The ideal C.G. position is 128mm (5.04 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.
- If you are converting this model to electric, please move the C.G. forward 5% of current C.G. distance from leading edge to compensate for weight of fuel.
- ! If you are racing the Strega over 100 mph, move C.G. forward by 1/2 inch.

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-51D Strega-40 is specially designed to be powered by 2-stroke 0.40-0.46 engine or 4-stroke 0.70-0.81 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. 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.

Should you require to bend the landing gear wire, please dismantle the retract assembly from the wings and use a vise to clamp the wire for bending. Bending the wire directly with the retract still in the wings will damage the mounting block structure.
After fastening the round nut, make sure that the linkage connector can rotate freely.

**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.
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. Cut the transparent 3D template to fit your engine and exhaust pipe.
2. Slide it onto the actual cowling.
3. Use it as a template to mark the openings required for final cutting.

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.
Ducted Fan  Pattern

Warbirds  Funfly

Scale  Electric

Sports  Glider

Trainer  Boat

Accessories

Covering
(Lightex / Toughlon)

The World Models
Manufacturing Co., Ltd.
www.theworldmodels.com