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.

Requires: 5-channel radio w/ 3 standard servos and 2 mini servos, 2-stroke 0.46 engine, 4-stroke 0.81 engine

### Specifications

- **Wing Span**: 56.5 in / 1435 mm
- **Wing Area**: 558 sq in / 36 sq dm
- **Flying Weight**: 7.3 lb / 3350 g
- **Fuselage Length**: 51 in / 1290 mm

*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:-

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

1. **MAIN WING** -- 1 pair
   - MAIN WING -- 1 pair

2. **PUSHROD Ø1.8x85mm w/ Threads (For Aileron)** -- 2 pcs
   - PUSHROD Ø1.8x85mm w/ Threads (For Aileron) -- 2 pcs
   - TRI-HORN PL4111221 -- 2 sets
   - SCREW PB2x16mm -- 4 pcs
   - SCREW PB2x12mm -- 2 pcs
   - SCREW PWA2.3x8mm -- 4 pcs
   - CLEVIS PL4112103 -- 2 pcs
   - FUEL TUBE D6x5mm -- 2 pcs
   - STRAPER PL4112102 -- 2 pcs
   - PLYWOOD 2x68x73mm (Aileron Servo Cover) -- 1 pair
   - BALSA 8x16x16mm (For Aileron Servo Stand) -- 4 pcs
   - MAIN LANDING GEAR COVERS -- 1 pair
   - RETRACTABLE LANDING GEAR COVERS -- 1 set
   - WING TUBE Ø16x456mm -- 1 pc.
   - 180mm Y-CORD KW0021800 -- 1 pc.

3. **VERTICAL FIN & RUDDER** -- 1 set
   - VERTICAL FIN & RUDDER -- 1 set
   - FUSELAGE -- 1 pc.
   - NYLON SCREW M4x12mm -- 3 pcs

4. **STABILIZER & ELEVATOR** -- 1 set
   - STABILIZER & ELEVATOR -- 1 set
   - STABILIZER TUBE Ø5x134.5mm -- 1 pc.
   - STABILIZER TUBE Ø6x234mm -- 1 pc.

5. **PUSHROD Ø1.8x340mm w/ Threads (For Elevator)** -- 2 pcs
   - PUSHROD Ø1.8x340mm w/ Threads (For Elevator) -- 2 pcs
   - SCREW PB2x16mm -- 4 pcs
   - SCREW PB2x14mm -- 2 pcs
   - CLEVIS PL4112103 -- 2 pcs
   - TRI-HORN PL4111221 -- 2 sets
   - FUEL TUBE D6x5mm -- 2 pcs
   - SCREW PWA3x12mm -- 2 pcs

6. **PUSHROD Ø1.8x480mm w/ Threads (For Rudder)** -- 1 pc.
   - PUSHROD Ø1.8x480mm w/ Threads (For Rudder) -- 1 pc.
   - CLEVIS PL4112103 -- 1 pc.
   - SCREW PB2x12mm -- 3 pcs
   - TRI-HORN PL4111301 -- 1 set
   - FUEL TUBE D6x5mm -- 1 pc.

7. **TAIL LANDING GEAR** -- 1 set
   - 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
   - ENGINE MOUNT PL5111050 -- 1 set
   - SOCKET HEAD SCREW M4x25mm -- 4 pcs
   - WASHER d4xD9mm -- 4 pcs

9. **THROTTLE PUSHWIRE Ø1.2x620mm** -- 1 pc.
   - THROTTLE PUSHWIRE Ø1.2x620mm -- 1 pc.
   - PLASTIC TUBE d2xD3x460mm -- 1 pc.
   - SCREW PM3.5x30mm -- 4 pcs
   - WASHER d3.5xD8mm -- 8 pcs
   - M3.5 NUT -- 8 pcs

10. **FUEL TANK 500cc** -- 1 set
    - FUEL TANK 500cc -- 1 set
    - CABLE TIE 1.5x5x400mm -- 2 pcs
    - DOUBLE-SIDE TAPE 40x100mm -- 1 pc.

11. **SILICON GROMMETS PL1265035** -- 4 pcs
    - SILICON GROMMETS PL1265035 -- 4 pcs
    - SPINNER Ø82mm PL2111082 -- 1 set
    - SCREW PWA2.6x12mm -- 4 pcs
    - COWLING -- 1 pc.
    - TRANSPARENT 3D TEMPLATE -- 1 pc.

12. **LINKAGE CONNECTOR Ø2.1mm w/ set screw** -- 1 set
    - LINKAGE CONNECTOR Ø2.1mm w/ set screw -- 1 set
    - STRAPER PL4112102 -- 2 pcs
    - FUEL TUBE D6x5mm -- 2 pcs
    - PUSHROD CONNECTOR PL4410010 -- 1 set
    - PUSHROD Ø1.8x85mm (For Elevator) -- 1 pc.
    - SPONGE 60x71x104mm -- 2 pcs
    - BALSA 8x16x16mm (For Aileron Servo Stand) -- 4 pcs
    - MAIN LANDING GEAR COVERS -- 1 pair
    - RETRACTABLE LANDING GEAR COVERS -- 1 set
    - WING TUBE Ø16x456mm -- 1 pc.
    - 180mm Y-CORD KW0021800 -- 1 pc.

13. **STABILIZER TUBE Ø5x134.5mm** -- 1 pc.
    - STABILIZER TUBE Ø5x134.5mm -- 1 pc.
    - STABILIZER TUBE Ø6x234mm -- 1 pc.

14. **PUSHROD Ø1.8x480mm w/ Threads (For Rudder)** -- 1 pc.
    - PUSHROD Ø1.8x480mm w/ Threads (For Rudder) -- 1 pc.
    - SCREW PB2x16mm -- 4 pcs
    - SCREW PB2x14mm -- 2 pcs
    - CLEVIS PL4112103 -- 2 pcs
    - TRI-HORN PL4111221 -- 2 sets
    - FUEL TUBE D6x5mm -- 2 pcs
    - SCREW PWA3x12mm -- 2 pcs

15. **TAIL LANDING GEAR** -- 1 set
    - 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.

16. **DECALS: A341 DEC** -- 1 set
    - DECALS: A341 DEC -- 1 set
    - MAIN WING -- 1 pair
    - PUSHROD Ø1.8x85mm w/ Threads (For Aileron) -- 2 pcs
    - TRI-HORN PL4111221 -- 2 sets
    - SCREW PB2x16mm -- 4 pcs
    - SCREW PB2x12mm -- 2 pcs
    - SCREW PWA2.3x8mm -- 4 pcs
    - CLEVIS PL4112103 -- 2 pcs
    - FUEL TUBE D6x5mm -- 2 pcs
    - STRAPER PL4112102 -- 2 pcs
    - PLYWOOD 2x68x73mm (Aileron Servo Cover) -- 1 pair
    - BALSA 8x16x16mm (For Aileron Servo Stand) -- 4 pcs
    - MAIN LANDING GEAR COVERS -- 1 pair
    - RETRACTABLE LANDING GEAR COVERS -- 1 set
    - WING TUBE Ø16x456mm -- 1 pc.
    - 180mm Y-CORD KW0021800 -- 1 pc.

17. **COVERING:**
    - TOUGHLON STL 100 WHITE
    - TOUGHLON STL 311 FERRARI RED
    - TOUGHLON STL 201 BLACK
    - TOUGHLON STL 250 BLUE
    - TOUGHLON STL 320 ORANGE
1. Main Wing

- Electric retract wire

2. Aileron Pushrod & Retractable Landing Gear

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

- 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.
### 3 Vertical Fin & Rudder

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

![Diagram of Vertical Fin & Rudder with Nylon Screw M4x12mm](image)

### 4 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.

![Diagram of Stabilizer & Elevator with Stabilizer Tube Ø5x134.5mm and Ø6x234mm](image)
5. **Elevator Pushrod**

- PB2x16mm Screw 4
- PB2x14mm Screw 2
- PWA3x12mm Screw 2

L/R 1mm 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

L/R 1mm 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

L/R Top View 2.1mm Collar 1.5mm 3mm set screw 1.5mm M2 Nut 2.1mm Collar 3mm pilot holes for World Models horn are pre-drilled. Please look for pin-hole marks at under side of control surfaces.
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

9 Engine

- **PM3.5x30mm Screw** 4
- **d3.5xD8mm Washer** 8
- **M 3.5 Nut** 8

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

- For short engines.

For short engines, add base brackets.
First insert the grommet to the cowling then apply screw.
Servo Set

12

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

Install and arrange the servo as shown in the diagram.

Please refer to the attached sheet for linkage connector installation.

Servos Setting

13

Front

PWA2.6x8mm Screw 1

J1(Pushrod Ø1.8x85mm)

J2

Battery N.I.

Rudder Servo N.I.

Fuel Tube D6x5mm

Straper

Rudder Pushrod

Throttle Pushwire

Throttle Servo N.I.

Sponge 60x70x105mm

Receiver N.I.

Elevator Servo N.I.

Elevator Pushrod

Bottom View

Balsa 3x71x104mm

Bottom View
### 14 Main wing

<table>
<thead>
<tr>
<th>Component</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>HM4x60mm Screw</td>
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</tr>
<tr>
<td>HM4x35mm Screw</td>
<td>2</td>
</tr>
<tr>
<td>d4xD15mm Washer</td>
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</tr>
</tbody>
</table>

![Bottom View of Main wing](image)

### 15 Belly Pan

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

![Bottom View of Belly Pan](image)

![Completed View of Belly Pan](image)
Wing Setting & Decals

A = A'

B = B'

C = C'
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

C.G.

- The ideal C.G. position is 127mm (5.0 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.

  ![Image of Strega airplane]

  - 127mm
  - 5.0 in.

  ! If you are racing the Strega over 100 mph, move C.G. forward by 1/4 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.

# Vendetta is specially designed to be powered by 2-stroke 0.46 engine or 4-stroke 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.
**LINKAGE CONNECTOR**

**HW7111050 & HW7111060**

1. **Drill 2mm hole at servo horn.**
2. **Insert linkage connector into servo horn.**
3. **Make sure shoulder of screw is cleared from servo horn. Add washer to reduce play if necessary.**
4. **Tighten up the round nut against the shoulder. Apply CA or permanent thread locker.**
5. **After fastening the round nut, make sure that the linkage connector can rotate freely.**

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**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:** ____________________________________________
5. **Wing QC #** __________   **Fuselage QC #** __________ (QC numbers are stamped on wing and fuselage)
6. **Date of Purchase:** ________________________________
7. **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.

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.