**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

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Wing Span</td>
<td>130.7 in / 3320 mm</td>
<td></td>
</tr>
<tr>
<td>Wing Area</td>
<td>1190 sq in / 76.8 sq dm</td>
<td></td>
</tr>
<tr>
<td>Flying Weight</td>
<td>8.33 lb / 3780 g</td>
<td></td>
</tr>
<tr>
<td>Fuselage Length</td>
<td>64.5 in / 1637 mm</td>
<td></td>
</tr>
</tbody>
</table>

*Specifications are subject to change without notice.*

---

In addition to the above information, the model requires a 5-channel radio with 7 standard servos. It is part of the 1/4 Scale Hall Cherokee II series, manufactured by The World Models Manufacturing Co., Ltd., and can be purchased through their website, www.theworldmodels.com.
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
2. PUSHROD Ø1.8x60mm w/ Threads (For Aileron) -- 2 pcs
   PUSHROD Ø1.8x50mm (For Spoiler) -- 2 pcs
   SCREW PB2x22mm -- 4 pcs
   SCREW PWA2x8mm -- 16 pcs
   HORN PL4113101 -- 2 sets
   STRAPPL4112102 -- 4 pcs
   CLEVIS PL4112103 -- 2 pcs
   FUEL TUBE D6x5mm -- 6 pcs
   SERVO MOUNTING PANEL 58x64x2mm -- 2 pairs
   BALSA 21x18x8mm (For Servo Mounting Panel) -- 8 pcs
   LINKAGE CONNECTOR Ø2.1xD6mm w/ set screw -- 2 set
   WIRE Ø3x45mm -- 2 pcs
   ALUMINIUM PLATE -- 2 pcs
3. STABILIZER & ELEVATOR -- 1 set
   FUSELAGE -- 1 pc.
   SCREW PM3x40mm -- 2 pcs
   WASHER d3.2xD12mm -- 2 pcs
4. VERTICAL FIN & RUDDER -- 1 set
5. PUSHROD Ø1.8x165mm w/ Threads (For Rudder)) -- 1 pc.
   SCREW PB2x30mm -- 2 pcs
   HORN PL4113101 -- 1 set
   CLEVIS PL4112103 -- 1 pc.
   FUEL TUBE D6x5mm -- 2 pcs
   STRAPPL4112102 -- 4 pcs
   SCREW PWA2x8mm -- 4 pcs
   SERVO MOUNTING PANEL 58x64x2mm -- 1 pc.
   BALSA 21x18x8mm (For Servo Mounting Panel) -- 2 pcs
6. PUSHROD Ø1.8x145mm w/ Threads (For Elevator) -- 1 pc.
   SCREW PB2x25mm -- 2 pcs
   HORN PL4113101 -- 1 set
   CLEVIS PL4112103 -- 1 pc.
   FUEL TUBE D6x5mm -- 2 pcs
   STRAPPL4112102 -- 1 pc.
   SCREW PWA2x8mm -- 4 pcs
   SERVO MOUNTING PANEL 58x64x2mm -- 1 pc.
   BALSA 21x18x8mm (For Servo Mounting Panel) -- 2 pcs
7. TAIL LANDING GEAR -- 1 pc.
   SCREW PA2.5x12mm -- 2 pcs
   LANDING WIRE STRAPS PL4114030 -- 1 pc.
8. SOCKET HEAD SCREW M4x60mm -- 1 pc.
   WHEEL Ø76mm -- 1 pc.
   M4 NYLON INSERT LOCK NUT -- 1 pc.
   COLLAR Ø4.1mm w/ Set Screw -- 1 set
   PLASTIC COLLAR Ø4.1mm -- 1 pc.
9. CABLE TIE 4x200mm -- 2 pcs
   IRON 500g -- 1 pc.
   AEROTOW RELEASE PUSHROD Ø2x267mm -- 1 pc.
   STRAPPL4112102 -- 1 pc.
   FUEL TUBE D6x5mm -- 1 pc.
   SPONGE 70x105x60mm -- 1 pc.
   PVC STAND 0.5mm -- pc.
   PLYWOOD 70x14x8mm -- 1 pc.
   PLYWOOD 70x11x8mm -- 1 pc.
10. WING TUBE Ø22x989mm -- 1 pc.
11. CANOPY -- 1 pc.
    SCRATCH GUARD (OPTIONAL) -- 1 pc.
    SCREW PWA2.3x8mm -- 8 pcs
    SOCKET HEAD SCREW M3x10mm -- 2 pcs
    WASHER d3.5xD8mm -- 2 pcs
    SILICON GROMMETS PL1265035 d1.5xD6.5mm -- 8 pcs
12. DECALS: G336DEC -- 1 set
    ● Wing Bag: --
       Wing Bag -- 1 pc.
       Plastic Stand -- 3 pcs
    ● COVERING:--
       LIGHTEX SGX 311 FERRARI RED
       LIGHTEX SGX 201 BLACK
       TOUGHLON STL 100 WHITE
1. **Main Wing**

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

2. **Aileron & Spoiler Servos**

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

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

4 Vertical Fin & Rudder

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

- PM3x40mm Screw
- d3.2xD12mm Washer

Completed

PM3x40mm
Washer d3.2xD12mm
5 Rudder Pushrod

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

6 Elevator Pushrod

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

7 Tail Landing Gear

G336PO29441308
8 Wheel

- M4x60mm Socket Head Screw: 1
- M4 Nylon Insert Lock Nut: 1
- 4.1mm Collar: 1
- 4.1mm Plastic Collar: 1

9 Radio Equipment

- Cable Tie 4x200mm
- Sponge
- Receiver
- Straper
- Fuel Tube D6x5mm
- Switch
- Aerotow Release Pushrod Ø2x267mm
- Aerotow Release Servo
10 Main Wings

- Lead to Aileron Servo & Spoiler Servo
- Wing Tube D22x989mm

11 Canopy & Scratch Guard (Optional)

- PWA2.3x8mm Screw 8
- M3x10mm Socket Head Screw 2
- d3.5xD8mm Washer 2
- d1.5x6.5mm Silicon Grommet 8

- PWA2.3x8mm
- Silicon Grommet d1.5x6.5mm

- Fuselage
- Scratch Guard (Optional)
- M3x10mm

Bottom View

Completed
12 Wing Setting

Adjust the wing and fuselage configuration as shown in the diagrams.
**13 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**: 38mm to 38mm
- **Rudder**: 80mm to 80mm
- **Ailerons**: 20mm to 20mm

**14 C.G.**

- The ideal C.G. position is 116mm (4.57 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.

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**Important Safety Precautions**

- **Warning!**
- 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.
- Make sure the air field is spacious, never fly the plane too close to people and never get too close to a running propeller. Extreme caution should be exercised when working with electric powered models. Make sure the propeller is cleared of all objects, especially your hands before connecting the battery to the model. Make sure you understand the operation of the ESC (Electronic Speed Control) by studying the ESC manual. Once you plug in the battery for electric powered model, always treat the propeller as a rotating one, as accidental movement of the throttle stick will spin the propeller and could cause injuries.
- 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.
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.

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, 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.

G336PO29441308
1/4 Scale Hall Cherokee II Wing Bag

1

2

3

4
## Optional Parts

### (ACCESSORIES)

<table>
<thead>
<tr>
<th>Optional Part</th>
<th>Code No.</th>
<th>Size</th>
<th>Package</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>180mm Extension</strong></td>
<td>KW0011800</td>
<td>180mm</td>
<td>1 set</td>
</tr>
<tr>
<td><strong>180mm Y-Cord</strong></td>
<td>KW0021800</td>
<td>180mm</td>
<td>1 pc</td>
</tr>
<tr>
<td><strong>Charge Receptacles</strong></td>
<td>KP0041300</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Clevis Wrench</strong></td>
<td>PL8210010</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Field Stand</strong></td>
<td>MS9111450</td>
<td>600 x 240 x 350mm</td>
<td>1 pc</td>
</tr>
<tr>
<td><strong>Standard Servo</strong></td>
<td>SV4031</td>
<td>40.6 x 20 x 37mm</td>
<td>1 set</td>
</tr>
</tbody>
</table>

### Description

- **180mm Extension**
  - Suitable for standard and small (EP) clevis.

- **Clevis Wrench**
  - Special tool for clevis installation.
  - Suitable for standard and small (EP) clevis.

- **Field Stand**
  - MS9111450 600 x 240 x 350mm 1 pc

- **Standard Servo**
  - Speed: 0.17 sec / 60° @ 4.8V
  - 0.14 sec / 60° @ 6.0V
  - Torque: 3.2kg.cm / 44.8 oz - in @ 4.8V
  - 4.1kg.cm / 57.4 oz - in @ 6.0V
  - Size: 40.6 x 20 x 37mm / 1.60 x 0.79 x 1.46 in
  - Weight: 39.4 g / 1.39 oz
Ducted Fan

Pattern

Warbirds

Funfly

Scale

Electric

Sports

Glider

Trainer

Boat

Accessories

Covering
(Lightex / Toughlon)

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