

Curtis Jenny Electric Scale ARF Instruction Manual



Spec:

Wing Span: 38 in (960 mm)

Fuselage Length: 23.5 in (600 mm)

Wing Area: 297 sq. in (19.18 dm)

Flying Weight: 17 oz

Power System: Brushed or Brushless motor (not included)

Prop recommend: SF 9*6

Battery recommend: 2~3S 900 mAh Li-Po

Radio required: 4ch, 4 mini servos

An important notice to our customer!

This product is NOT a toy. Any test, flight and later flight by this product are done at your own risk. Please enjoy your hobby and fly safely!

Waiver

Maxford USA provides high quality, thoroughly tested model airplane kits, but ultimately the quality and capability of your finished model airplane depends on how you build it. Maxford USA can NOT in any way guarantee the performance of your finished model airplane.

Maxford USA will not accept liability for personal injury, property damage, or wrongful death caused by negligent use of this product.

Return Policy

Maxford USA guarantees this kit to be free from defects in both material and workmanship at the date of purchase. Maxford USA has no control over the final assembly or material used for final assembly. All of our products are inspected in our factory and are checked again when shipped from our warehouse. If you think there is any missing part or shipping damage, please read our return policy as below.

1. Your order should be inspected upon delivery for any shipping damage, missing parts or boxes and you should contact us within 10 days from receipt if there is a problem. No return or exchange after 10 days.
2. You must call us to get a RMA# (return merchandise authorization number) before you send the package back to us.
3. The RMA# must be clearly marked outside of the package.
4. The return item must be in original and good condition (NOT assembled or modified) with original packing material, manuals and accessories.
5. All shipping and insurance must be prepaid.
6. A 10~20% restocking fee might be charged.
7. No return for Li-Po batteries.

Return Address:

Maxford USA Corp.
13909 Artesia Blvd.
Cerritos, CA 90703
Tel: 562-802-0680
Fax: 562-802-0650

IMPORTANT SAFETY PRECAUTIONS TO PROTECT YOUR MODEL, YOURSELF & OTHERS

1. This product should not be considered as a toy, but rather a sophisticated, working model that functions much like a full-scale airplane. Because of its performance capabilities, the model airplane, if not assembled and operated correctly, could possibly cause injury to you or spectators and damage to property.
2. Assemble the model airplane according to the instructions. Do not alter or modify the model, as doing so may result in an unsafe or unworkable model. In a few cases the instructions may differ slightly from the photos. In those instances the written instructions should be considered as correct. If you have any question about this instruction, contact us before you assemble the model.
3. Take time to build straight, TRUE and STRONG.
4. Maxford USA recommends that you use a good quality radio system and our recommended or same sized good quality motor and components throughout the building process.
5. Install all R/C and other components correctly so that the model operates correctly on the ground and in the air.
6. Always check the operation of the model before every flight to insure that all equipment is operating and that the model has remained structurally sound. Always check clevises or other connectors and replace them if necessary.
7. If you are not an experienced pilot or have not flown this type of model before, we recommend that you get the assistance of an experienced pilot.
8. While this kit has been flight tested to exceed normal use, if the plane will be used for extremely high stress flying, such as racing, or if a motor larger than one in the recommended range is used, the modeler is responsible for taking steps to reinforce the high stress points and/or substituting hardware more suitable for the increased stress.

WARNING

Some parts included in this kit are made of fiberglass, the fiber of which may cause eye, skin and respiratory tract irritation. Never blow into a part to remove fiberglass dust, as the dust will blow back into your eyes. Always wear safety goggles, a particle mask and rubber gloves when grinding, drilling and sanding fiberglass parts.

(This item does NOT come with any fiberglass parts.)

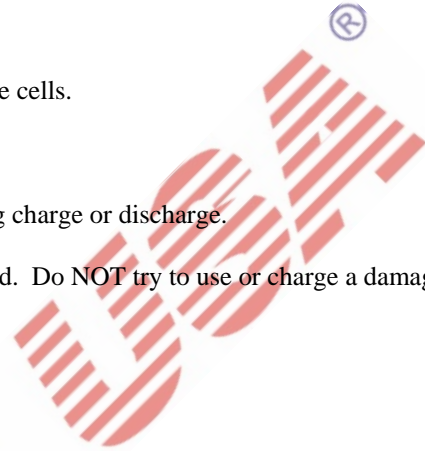
LITHIUM BATTERY HANDLING & USAGE

WARNING!! Read the entire instruction sheet included with the battery. Failure to follow all instructions could cause permanent damage to the battery and its surroundings, and cause bodily harm!

- ONLY use a Li-Po approved charger. NEVER use a NiCd/NiMH peak charger!
- NEVER charge in excess of 4.20V per cell.

- ONLY charge through the “charge” lead. NEVER charge through the “discharge” lead.
- NEVER charge at currents greater than 1C.
- ALWAYS set charger’s output volts to match battery volts.
- ALWAYS charge in a fireproof location.
- NEVER trickle charge.
- NEVER allow battery temperature to exceed 150° F (65° C).
- NEVER disassemble or modify pack wiring in any way or puncture cells.
- NEVER discharge below 2.5V per cell.
- NEVER place on combustible materials or leave unattended during charge or discharge.
- If you crash the plane, always check if the Li-Po battery is damaged. Do NOT try to use or charge a damaged Li-Po battery.
- ALWAYS KEEP OUT OF REACH OF CHILDREN.

Maxford



PARTS LIST



Wing set in one-piece with Carbon Fiber leading edges

Fuselage 1 piece

Vertical Stabilizer with pre-hinged rudder

Horizontal Stabilizer with pre-hinged elevator

Brushless motor mount (for firewall and stick mount)

Landing gear with wheels

Plastic Cowl

Hardware and accessories bag

Repair bag

Other items you need to assemble this model

4 pieces HS-SG50 or Hitec HS-55 mini servos

10" servo extensions and 6" Y cable

2 or 3 cells 900 mAh Li-Po battery

Li-Po battery Charger

Connectors

Receiver and Transmitter

Special Features

Carbon fiber leading edge on both wings

Carbon fiber wing skids on the bottom of lower wings

Wing in one piece, all wires are pre-installed

Pull-pull tail, wares are pre-installed

I General Instructions

- 1) Follow the instruction sequence to avoid repeating steps.
- 2) Before installing 2mm short sheet metal (SM) screws, drill a pilot hole using a #56 (.046) drill.
- 3) Before installing #1 wood screws, drill a pilot hole using a #56 (.046) drill.
- 4) Center all servos using the radio equipment before installing all servos into the aircraft.
- 5) Control line installation,
 - a) Tie a slip knot at the horn end of the control line.
 - b) Install a snap hook on the control horn.
 - c) Hook spring between control line and snap hook
 - d) Note: Refer to the rudder or elevator instructions for more details. Pull knot from tail end to tighten control line. When in position, place a small drop of thin CA on the knot and hold until dry.
 - e) Block or shim servo arm from rotating in either direction before proceeding with control line installation.

II Fuselage Assembly

1) Motor Mount - Install stick mount when using the motor provided with this model (If you use a brushed motor). Insert tabs on mount into the vertical slots in the firewall. Slide mount down until even with the mounting tabs. Note: Slots may require slight filing for mount to bottom against tabs and should not fit loose. If you don't want to use the stick mount and brushed motor, this ARF kit comes with another motor mount fit with most of brushless motors.

2) Motor / ESC - Slide ESC wires and ESC into slot above motor mount in firewall. Wires should extend to battery compartment. Install 2mm short SM screws on each side of the motor mount.

3) Cowl – Install cowl over motor and onto the fuselage. Position cowl and tape into position so that motor shaft protrudes approximately 1 inch from the face of the cowl. Install (3) 2mm SM screws through the cowl and into the edge of the firewall at the top center and on each side of the fuselage approximately 1 inch from the bottom edge of the cowl.

4) Horizontal & Vertical Stabilizers – (See Photos #1 and #3) Move control lines from rear of the fuselage and re-tape forward of tail. Insert tabs on vertical stabilizer (V Stab) into the slots on the horizontal stabilizer (H Stab). Slide assembly into the top rear of the fuselage. Align holes in the V-Stab tabs with the holes in the sides of the fuselage under of the H Stab using two 2mm pins tapered on the ends (not provided). When aligned, remove the forward pin and insert the long 2mm screw with a washer under the head through the hole. Place a washer and nut on the screw and tighten. Do not crush the wood under the screw. Repeat the installation for the rear pin using the short 2mm screw. Place a small drop of thin CA at the end of the screw and nut.

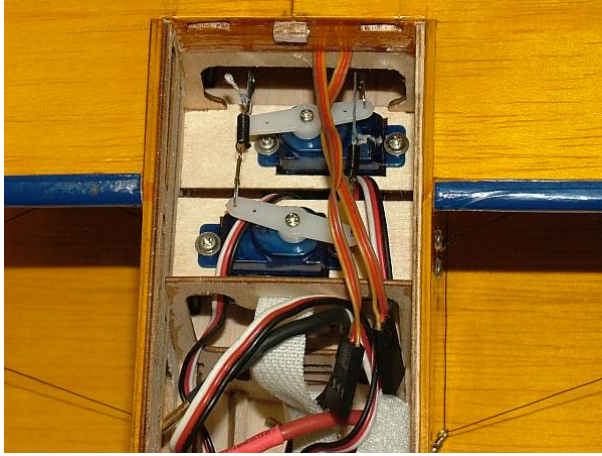


Photo#1



Photo#3

5) Tail Skid – (See Photo #1& #4) Install the tail skid into the hole provided at the bottom rear of the fuselage. Install a 2mm short SM screw in the u-shaped bend in the skid.



Photo#2



Photo#4

6) Rudder & Elevator Servos – (See Photo #2) Prior to installing servos, tape the ends of the control lines to the areas where they will be installed. Install (2) servos in the fuselage cutouts provided using #1x3/8" wood screws. Note: Position the servos so that the servo arms are centered in the fuselage.

7) Rudder Control Lines – (See Photo #3 and General Instructions))

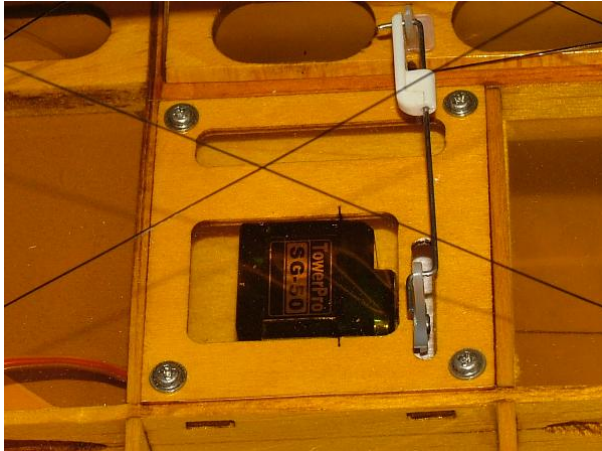
- a) Using the rearward mounted servo, install the pre-tied rudder line snap hooks to the outer most holes in the servo arm.
- b) Place a 1/4"x3/8" balsa strip across the V Stab and rudder then clamp using plastic or rubber tipped light duty clamps.
- c) Prepare the rudder control lines per the general instructions.
- d) Tighten one of the rudder lines so that the coil spring is expanded approx. 1/8" then place a small drop of thin CA on the knot.
- e) Remove clamps and balsa from the rudder and tighten the opposite control line until the rudder is centered then place a small drop of thin CA on the knot. Remove the shims or blocks holding the servo arm.

8) Elevator Control Lines – (See Photos #3 & #4 and General Instructions))

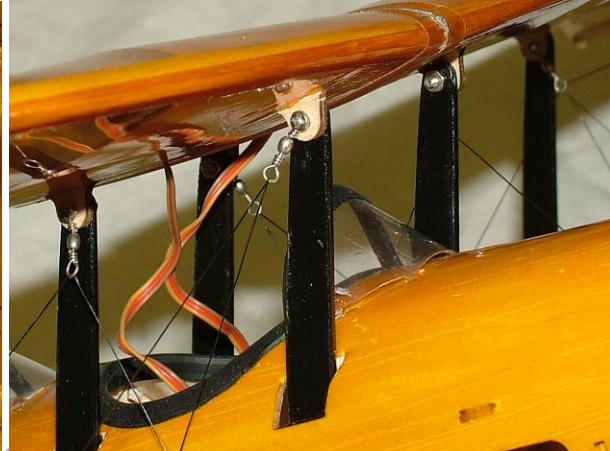
- a) Using the forward mounted servo, install the pre-tied elevator line snap hooks to the outer most holes in the servo arm. The control lines from the upper horns are placed on one end of the servo arm and the lines from lower horns are placed on the opposite side.
- b) Place a 1/4"x3/8" balsa strips across the H Stab and Elevators then clamp using plastic or rubber tipped light duty clamps.
- c) Prepare the elevator control lines per the general instructions.
- d) Separately tighten each of the lower elevator lines so that the coil springs are expanded approx. 1/8" then place a small drop of thin CA on the knots.
- e) Remove clamps and balsa from the elevators and tighten the opposite control lines until the elevators are centered then place a small drop of thin CA on the knots. Remove the shims or blocks holding the servo arm.

III Wing Assembly

1) Aileron Servos - (See Photo #5) Cut the covering to allow servo arms to protrude from the servo tray. Drill the outer hole on one side of the servo arms using a #58 (.042) drill. Mount servos with single sided long arms onto the servo trays using #1 wood screws. Install 10" servo cable extensions (not provided) on each servo and sew the connectors together with thread. Tie the extension cable to the string installed in the wing servo cavity. Retrieve the end of the string through the opening at the center of the wing. Pull the servo extension through the wing and through the access hole at the center of the wing. Install the servo mount into the wing with (4) 2mm short SM screws.



Photo#5



Photo#6

2) Aileron Control Rods - (See Photo #5) Install the elevator control horns by puncturing the covering through the holes provided in the ailerons in-line with the servo arms. Place a drop of CA on both sides of the horns. Drill a hole in the outer most hole in the horns using a #59 (.041) drill and install Micro E-Z connectors (not provided) through the outer holes in the control horns. Install the control rod z-bend side into the outer servo arm holes and the straight end through the E-Z connector then center the ailerons and tighten the connectors.

IV Final Assembly

1) Radio Equipment – Install receiver into the fuselage. Connect the ESC, elevator servo, rudder servo, and a 6" Y-harness (not provided) to the receiver. The aileron servo extensions will be connected to the Y-harness after wings are assembled with the fuselage.

2) Wing / Fuselage – Remove the four screws and nuts from the tabs on the upper wing and loosen the other strut screws for ease of assembly. Tape the swivels to the lower wing to keep the flying wires from interfering with assembly. Using a drill, clean the holes in the struts and wing tabs so that mounting screws are free to install. Slide the fuselage through the center of the upper and lower wings from the rear. Route the battery harness from the ESC through the battery compartment as you assemble the wing to the fuselage. Position the fuselage struts and wing tabs as shown in photo #6. Install the two rear screws, swivels and nuts, do not tighten. Install the two forward screws by stretching the flying wires with a wooden dowel to position the swivel and screw. Install the screws and nuts.

3) Landing Gear – (See Photo #7) Install the nylon wing bolts through the bottom of the wing and install the landing gear under the heads of the bolts and tighten bolts and landing gear against the wing.

4) Surface Deflections – All control surface deflections should be set at $\frac{1}{2}$ " in both directions. Adjust if necessary before flying.

5) Center of gravity (CG) - The CG should be 37mm from the leading edge of the upper wing. Add the necessary weights to balance the aircraft before flying.



Photo#7

Congratulations, you have finished the installation.

Final check before flying

- Check all screws and connections, CA if necessary.
- Put your throttle to the down position, turn on the transmitter first, and then connect your battery.
- Make sure that all servos operate.
- Check the control direction of the elevator and rudder, reverse the channel if necessary.
- CG: CG: 1.46 in (37 mm) from leading edge of the wing.

For replacement parts, check our web site at

www.maxfordusa.com

Want More Fun?

Our Curtiss Jenny Scale ARF is also available with larger wing spans of 50" and 105". Check our web site at www.maxfordusa.com for more details.



An important notice to our customer!

This product is NOT a toy. Any use of this product is done at your own risk. Please enjoy your hobby and fly safely!

Distributed by

Maxford USA Corp.

DBA: Green RC Models USA

Address: 13909 Artesia Blvd., Cerritos, CA 90703

Tel: 562-802-0680 Fax: 562-802-0650

Web site: www.maxfordusa.com

Special thanks for the help from

Joseoh Acosta, owner of Build Right Flight Right Hobbies

Joe Montefusco and Jim Fallon.