

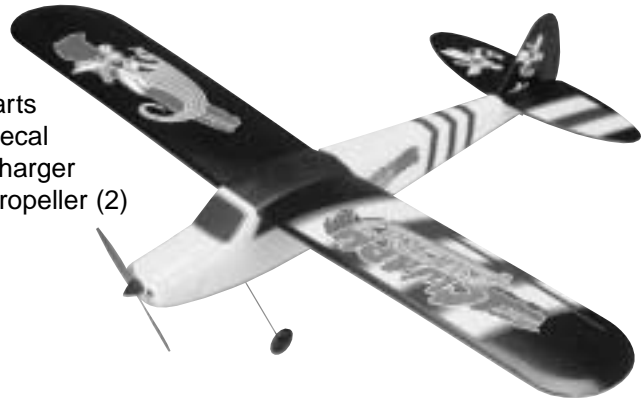


Assembly and Operation Manual for the Swarm, Sky Pilot or Star Blazer

Champaign, IL 61826

Swarm (HCAA0300) Replacement Parts

- HCAA3350 Complete Wing Set
- HCAA3352 Complete Tail Set
- HCAA3354 Fuselage
- HCAA3356 Decal
- HCAQ3270 Propeller (2)
- HCAQ3272 Landing Gear



Sky Pilot (HCAA0301) Replacement Parts

- HCAA3370 Complete Wing Set
- HCAA3371 Complete Tail Set
- HCAA3372 Fuselage
- HCAQ3300 Propeller (2)
- HCAQ3302 Landing Gear


Star Blazer (HCAA0302) Replacement Parts

- HCAA3380 Complete Wing Set
- HCAA3381 Complete Tail Set
- HCAA3382 Fuselage
- HCAQ3300 Propeller (2)
- HCAQ3302 Landing Gear

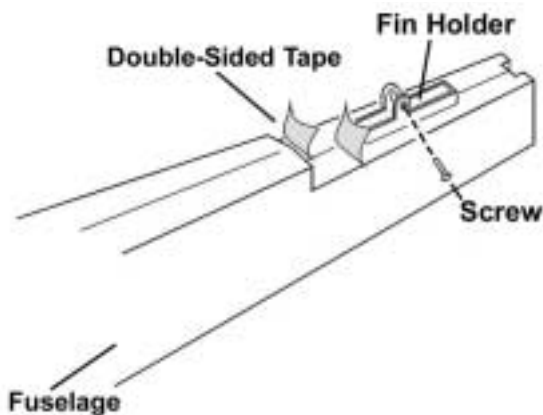


**Requires 6 "C" Alkaline Batteries (not included), and Phillips Screwdriver*

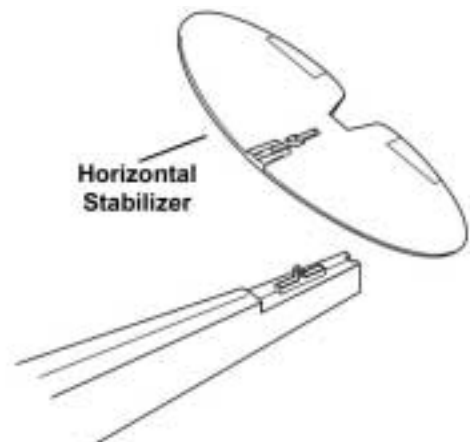
WARNING: Read ALL instructions carefully. Improper use of this product may result in personal injury or damage to the public.

WARNING:  **CHOKING HAZARD – Small parts.** Not recommended for children under 3 years. Recommended for ages 10 and up. Use with adult supervision.

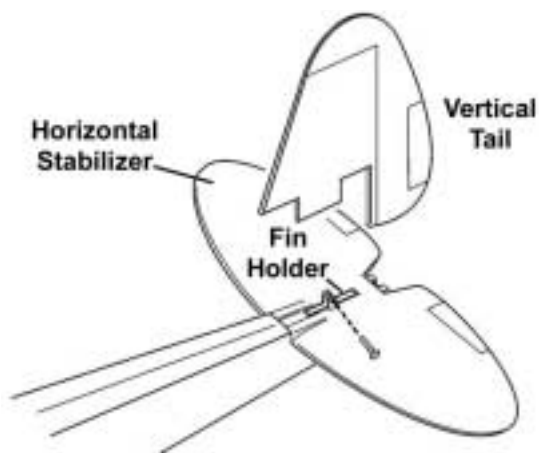
ASSEMBLING YOUR SWARM, SKY PILOT OR STAR BLAZER



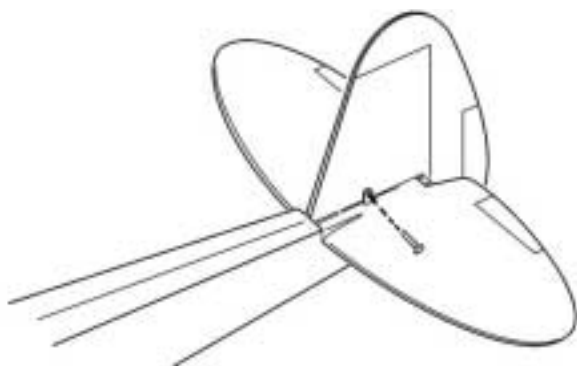
Step 1. Remove the screw from the fin holder at the back of the fuselage using a small Phillips screwdriver. Remove the backing from the adhesive strips at the top rear of the fuselage.



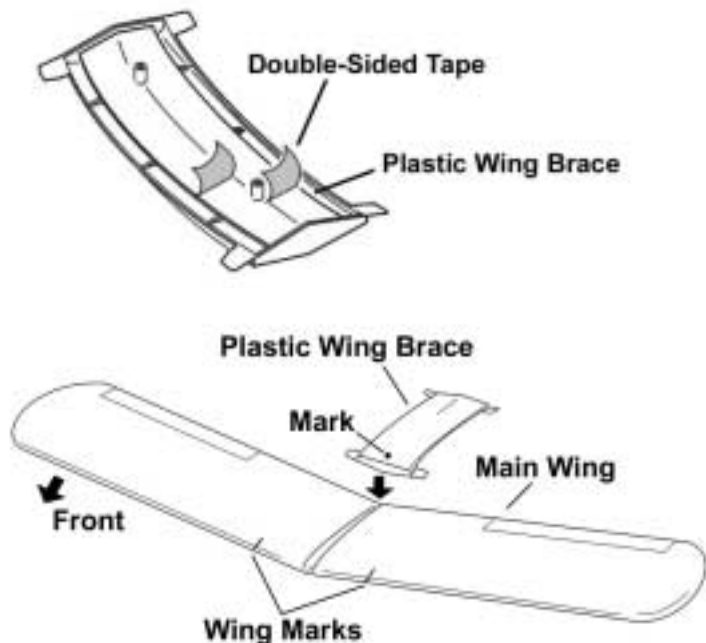
Step 2. Carefully slide the horizontal stabilizer over the fin holder with the decal side up. Firmly press the stabilizer onto the adhesive tape.



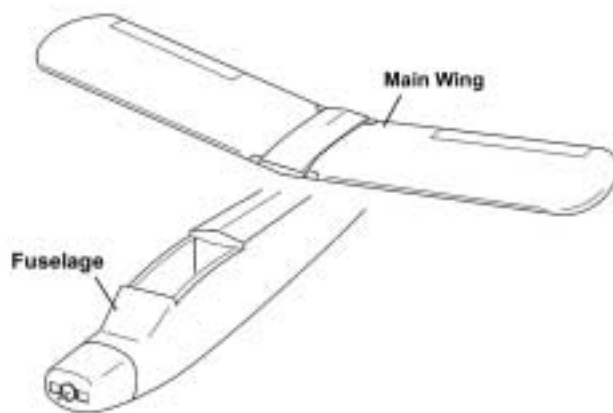
Step 3. Hold the vertical fin near the bottom and press it into the fin holder. It must fit snug against the horizontal stabilizer.



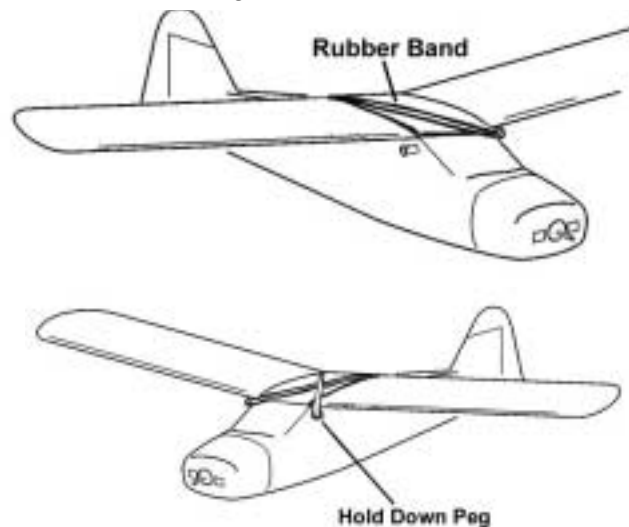
Step 4. Use the screw removed in step 1 to secure the vertical fin. The screw goes into the thin side of the fin holder, and threads into the thicker side. Do not overtighten the screw, as it could break the fin holder.



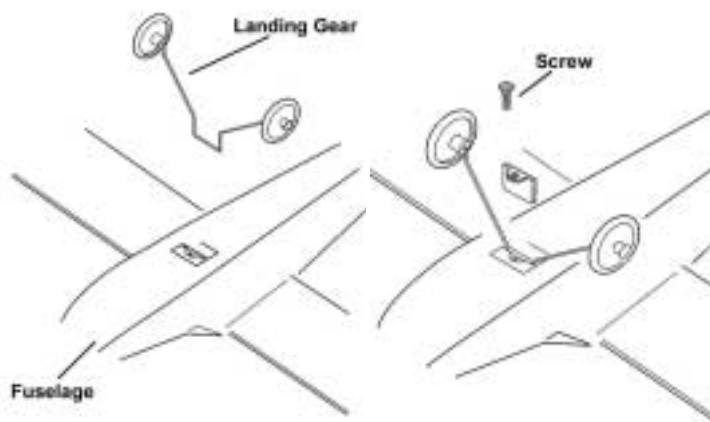
Step 5. Check the alignment of the plastic wing brace before removing the backing paper from the adhesive tape. The front of the wing brace is marked and this will go towards the front of the main wing (see diagram). Test fit the part. The wing brace must line up with the wing marks on the main wing.



Step 6. Place the wing onto the fuselage. Align the wing brace with the fuselage.



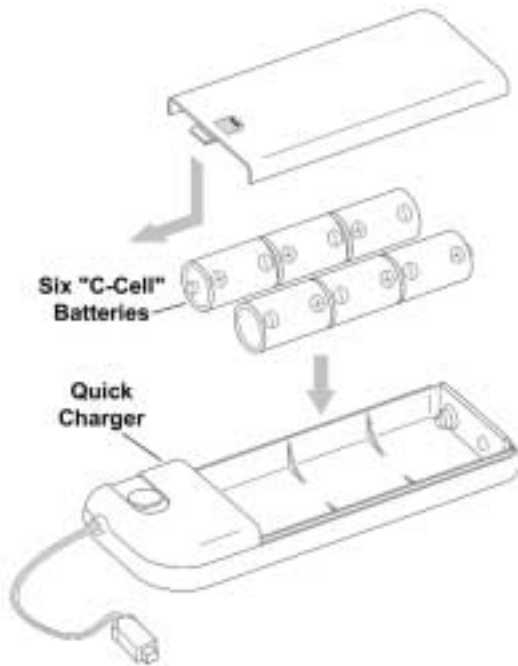
Step 7. Attach a rubber band to one of the rear pegs, and stretch it to the opposite front peg. Repeat the process so there are two rubber bands going from the right rear peg to the left front peg, and two from the left rear peg to the right front peg. The rubber bands should criss-cross.



Step 8. Remove the screw from the landing gear holder using a small Phillips screwdriver. Then, remove the landing gear holder. Slide the landing gear into the opening. Slide the landing gear holder back into the opening, and replace the screw. Do not tighten the screw to tight, it could strip the plastic.

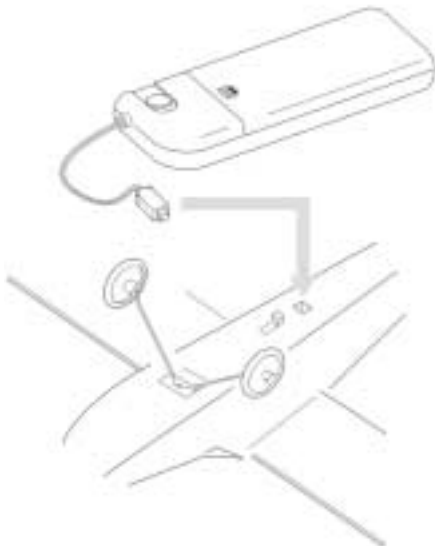
CHARGING YOUR SWARM, SKY PILOT OR STAR BLAZER

Attention: Read all instructions before using this charger.



1. **Do not** mix old and new batteries.
2. **Do not** mix alkaline, standard (carbon zinc), or NiCd (nickel-cadmium) rechargeable batteries.
3. **Do not** use rechargeable batteries in this charger.
4. Exhausted batteries are to be removed from the charger.

Charger requires 6 "C-Cell alkaline" batteries. Batteries must be placed in the proper direction in the charger. Follow the diagram in the charger for placing the batteries.



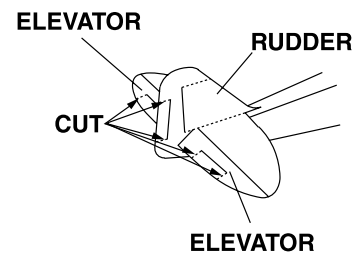
Before charging your airplane on board NiCd battery, make sure the on/off switch is in the "OFF" position. Insert the charger into the charge socket on the bottom of the airplane fuselage. The charger will only fit into the socket

one way, so match the tab on the charger with the notch in the charge socket. Charge for 30 seconds by pressing the charge button down. The charger will not charge unless the button is pressed. **DO NOT OVER-CHARGE THE BATTERY. THIS WILL SHORTEN THE BATTERY LIFE SIGNIFICANTLY.**

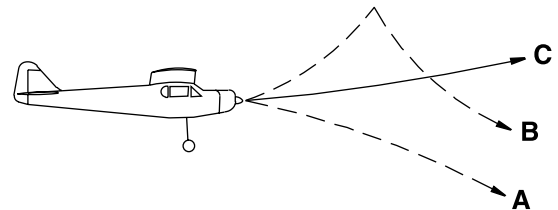
When charging is complete, remove the charger from the airplane.

FLIGHT TESTING YOUR AIRPLANE (MUST BE DONE BEFORE FLYING)

It is important to adjust the "trim" of your electric free flight airplane correctly. The airplane should climb and turn efficiently.



Step 1. Using a hobby knife, carefully cut along the slot at the top and bottom of the rudder trim tab, and along the sides of the elevator trim tabs.



Step 2. With the motor off, grasp the airplane by the fuselage and gently toss the airplane into the wind. It should glide straight ahead and settle gently to the ground. See the above diagram. If your plane crashes (A) or stalls (B), follow the steps below until you have a correct flight path (C).

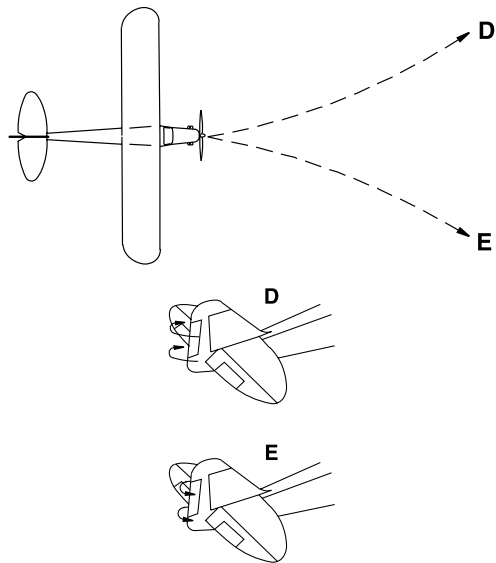


A = Crash. Bend the elevators upward slightly 1/16" [1-2mm].

B = Stall and crash.
Bend the elevators down slightly 1/16" [1-2mm].

C = Correct flight path.

To make your plane turn, follow the steps below:



D= To turn left, bend the rudder slightly to the left.

E= To turn right, bend the rudder slightly to the right.

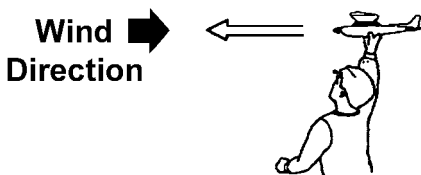
Step 3. Repeat step 2 until your airplane glides well.

SAFETY RULES

Flying Your Airplane

CAUTION! ALWAYS LAUNCH THE AIRPLANE AWAY FROM PEOPLE AND OBSTACLES

- NEVER POINT THE AIRPLANE AT ANYONE OR ANYTHING
- ALWAYS LAUNCH SKYWARD
- DO NOT LAUNCH INDOORS
- ALWAYS KEEP FINGERS AND OBJECTS AWAY FROM THE PROPELLER WHEN RUNNING



Choose an open field, free of trees and other obstacles. Hold the airplane in your hand over your head and switch on the motor with your other hand. Toss the airplane into the wind, keeping the main wing level.

The airplane should climb gently and turn gradually. If it stalls and crashes, adjust the elevator. If it does not turn, bend the rudder slightly to the left or right. Refer to "Flight Testing Your Airplane" section for details.

IMPORTANT THINGS TO REMEMBER WHEN YOU ARE FLYING YOUR ELECTRIC FREE FLIGHT AIRPLANE

- The most important thing that determines how well your airplane flies is how well you have trimmed it.
- Because it can fly high and far you must be in a large area away from houses, streets, trees and overhead wires.
- Closely inspect your airplane after each flight. Make sure the wing is not broken and is securely attached to the fuselage. Make sure the tail parts are not cracked or broken. See the repair/replace section for details.
- Always throw the electric free flight airplane into the wind. Do not fly the airplane if it is too windy.
- Never charge your batteries for more than 30 seconds. If you do, you may overheat the batteries in the airplane or your charger and damage them.

REPAIR/REPLACE

If the fuselage is cracked or damaged, apply white glue and cellophane tape and let it dry overnight. To replace the tail section, remove the vertical fin by removing the screw in the fin holder. To remove the stabilizer, run it under warm water to soften the glue on the tape. Gently pull the stabilizer away from the fuselage. Carefully remove any remaining foam or tape with a hobby knife.

Warning: Do not use super glue. It will damage the foam. If the wing or tail becomes damaged, apply cellophane tape over the damaged areas.

WARRANTY

Please inspect all parts carefully before starting assembly! If any parts are missing, broken or defective, or if you have any questions about the assembly or flying of this airplane, please call us at (217) 398-8970, and we'll be glad to help.

Hobbico, Inc., guarantees this kit to be free from defects in both material and workmanship at the date of purchase. This warranty does not cover any components parts damaged by use or modification. In no case shall Hobbico's liability exceed the original cost of the purchased kit. Further, Hobbico reserves the right to change or modify this warranty without notice.

In that Hobbico has no control over the final assembly, no liability shall be assumed nor accepted for any damage resulting from the use by the user-assembled product. By the act of using the user-assembled product, the user accepts all resulting liability.