106” Husky ARF

WARNING

A radio-controlled model is not a toy and is not intended for persons under 16 years old. Keep this kit out of the reach of younger children, as it contains parts that could be dangerous. A radio-controlled model is capable of causing serious bodily injury and property damage. It is the buyer's responsibility to assemble this aircraft correctly and to properly install the motor, radio, and all other equipment. Test and fly the finished model only in the presence and with the assistance of another experienced R/C flyer. The model must always be operated and flown using great care and common sense, as well as in accordance with the Safety Code of the Academy of Model Aeronautics (5151 Memorial Drive, Muncie, IN 47302, 1-800-435-9262). We suggest you join the AMA and become properly insured prior to flying this model. Also, consult with the AMA or your local hobby dealer to find an experienced instructor in your area. Per the Federal Communications Commission, you are required to use only those radio frequencies specified "for Model Aircraft."

LIMITED WARRANTY

Lanier RC has inspected and certified the components of this aircraft. The company urges the buyer to perform his own inspection, prior to assembly, and to immediately request a replacement of any parts he believes to be defective for their intended use. The company warrants replacement of any such components, provided the buyer requests such replacement within a period of 30 days from the date of purchase and provided the defective part is returned, if so requested by the company.

No other warranty, expressed or implied, is made by the company with respect to this kit. The buyer acknowledges and understands that it is his responsibility to carefully assemble the finished flying model airplane and to fly it safely. The buyer hereby assumes full responsibility for the risk and all liability for personal or property damage or injury arising out of the buyer's use of the components of this kit.

Lanier R/C, INC. P.O. Box 458 Oakwood, Ga. 30566 PH 770 532 6401

Congratulations on your purchase of the **106" Husky** . Every effort has been made to produce a lightweight, straight, easy to assemble aircraft. Lanier RC has flown the **106" Husky** through a very rigorous flight-testing schedule and have stressed the airframe beyond all practical parameters without a single failure. Lanier RC will NOT warranty the **106" Husky** against flutter due to improper set-up or excessive speed maneuvers. having said that, we believe you will find the **106" Husky** to be one of the most responsive, in-the-grove aircraft on the market. Just remember to use common sense when flying this high performance machine.

We are very proud of the construction of the **106" Husky** and all of our other ARF aircraft. Each aircraft is jig built to insure a straight true airframe. Every effort is made to build as light an aircraft as possible. As with any professional builder, glue is used sparingly. **Please take a moment during assembly and run a bead of CA or aliphatic resin into the high stress joints that you can reach such as the landing gear plate, servo mounting trays, wing hold down blocks, Firewall, etc**. Also, during the course of shipping from the manufacturer to our facility in the United States, it is not uncommon for the aircraft to experience several changes in climate. This may cause the iron-on covering to develop wrinkles. This is not a fault of the manufacturer. Please take a few minutes with your heating iron and heat gun to iron down the seams and re-shrink the covering where needed. The results will be a beautiful aircraft with a breathtaking finish that you will be proud to display at your flying club.

Before beginning assembly of your **106" Husky** , we highly recommend that you study this manual in its entirety. You should begin planning your radio installation based on your choice of engine and equipment from the beginning.

Because the 106" Husky is intended for those with some degree of modeling experience, every minute detail will not be covered. This is not a basic trainer. Assembly of this aircraft will be easy for the experienced modeler, and by following the instructions within this manual and using the skills you've gained during your modeling career you will be able to produce a first class aircraft.

Building supplies needed

Hobby knife w/#11 blades
Thin CA
Medium CA
Canopy glue
30 minute epoxy
Thread lock
Diagonal wire cutters
Pliers
Assorted drill bits
Various sized screwdrivers(both Phillips and standard head)
Tape measure
Dry-erase marker
Paper towels
Rubbing alcohol
Electrical tape
4-40 Tap & Die Set
3/32, 7/64, 9/64 & 3mm Allen wrench
Wax Paper
3-1 Oil

Note:

Thread lock must be used where ever any machine bolts are threading into any type of nuts. If you do not use thread lock the bolts could become loose and fall out in flight.

ADHESIVES & GLUING TECHNIQUES

CA adhesives are specially formulated to firmly glue the plywood, hardwood, and balsa used in your model and to withstand the vibration and stresses of high performance flight. However, there are times, such as when you are installing the stabilizer and fin on the fuselage and want more set-up time for careful alignment and positioning, then you should use epoxy. Occasionally, you also will want to use thin CA, which "wicks" into the surrounding areas. Aliphatic resin glue or similar water-based glues can also be used, but they will add to the assembly time because they dry so much more slowly than CA glue. Remember, when ever using any CA, you must be careful to read instructions thoroughly, as you will have only seconds for positioning of parts. Be sure to trial fit parts together before gluing. Also, never use watery THIN type CA glue for gluing plywood and hardwood parts. Thin CA's do not adequately bond these areas.

CAUTION

Some people may experience an allergic reaction when exposed to fumes from CA glue or epoxy. As with paints, thinners, and solvents, it is always important to use glues only where there is adequate ventilation to carry fumes away. A fan is recommended. Also, special care must be taken when using CA, as it will bond skin as well as other surfaces. Before using any CA, carefully read all label precautions. When using CA, protective eye-wear and care in keeping the glue away from the face is highly recommended. If CA does happen to get into the eye, hold lid open and flush with water only. Seek immediate medical attention.

CONSTRUCTION TIPS

IMPORTANT: ALWAYS READ A FEW STEPS AHEAD. This will alert you to coming instructions and will help you plan accordingly.

COVERING

The **106" Husky** is covered in a premium polyester film chosen by many of the world's top flyers for its beauty, toughness, and ease of application and repair. It is not uncommon for ARF's to develop a few wrinkles in transit. If this is true of your model, the situation is easily corrected. Before you begin putting the pieces together, run around the edge of the seams first then over the surface of each section with an iron (either specially designed for airplane use or the more cumbersome household iron). Apply the heat (set at about 350° F), following along with a soft cloth and pressing down on the covering as you go around. This will more firmly set the covering adhesive into the wood and keep your aircraft covering tight and smooth in the future. Once you have ironed the seams stay away from them with the heat or the covering will slide when you try to shrink the middle. If this happens the wrinkles will not come out of the covering.

ITEMS NEEDED TO COMPLETE THIS AIRCRAFT

- ☐ 1 24" Gasoline fuel Line, or Glow fuel line
- ☐ 1 Engine
- ☐ 1 RADIO GUIDANCE SYSTEM (5 CHANNEL MINIMUM REQUIRED WITH 8 SERVOS 100 OZ TORQUE REQUIRED)
- ☐ 3 11" Y-HARNESS
- ☐ 2 24" AILERON SERVO EXTENSION WIRES
- ☐ 2 6" AILERON SERVO EXTENSION WIRES
- ☐ 1 CA ACCELERATOR
- ☐ 1 2 OZ. BOTTLE CA MEDIUM GLUE
- ☐ 1 1/2 OZ. BOTTLE CA THIN GLUE
- ☐ 1 30 MINUET EPOXY
- ☐ 1 1/2" FOAM RUBBER
- ☐ 1 3-1/4" SPINNER

OPTIONAL:

- ☐ 1 PILOT FIGURE

NOTE: The 106" Husky covering closely matches White #870 Oracover.

Midnight Blue #885

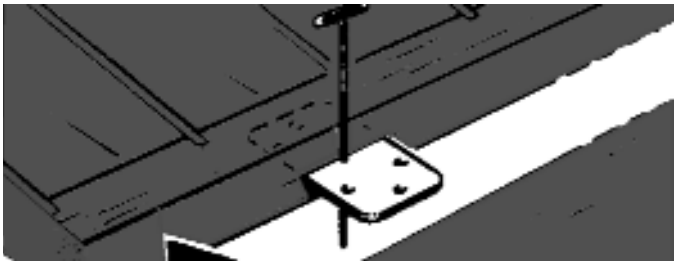
True Red #866

WING ASSEMBLY

AILERON- FLAP INSTALLATION

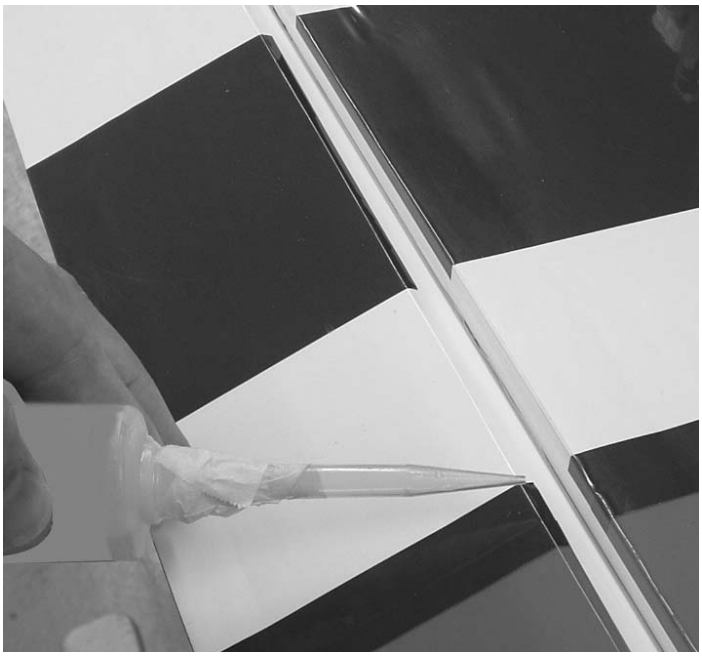
1. ☐ Collect the following parts:

(1) Left wing
(1) Right wing
(1) Ailerons
(1) Flaps
(8) Pin hinges for flaps
(8) E-Z hinges for ailerons

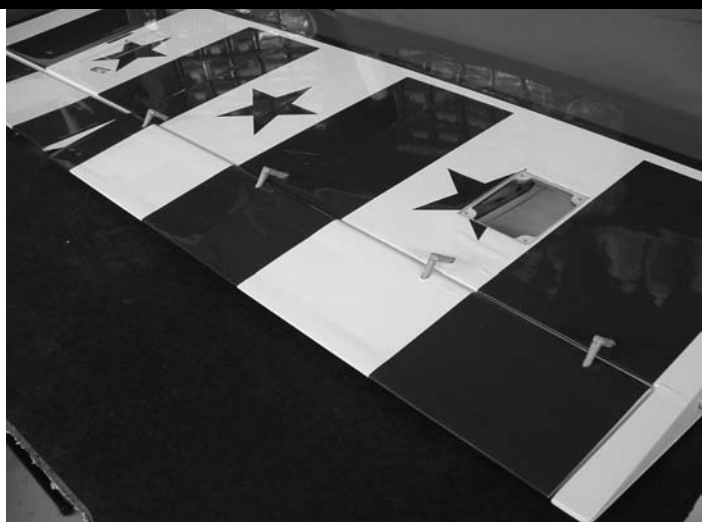


2. ☐ Start with one wing panel. Make sure all the hinges are aligned and the aileron has a 1/16” gap at the wing tip.

3. ☐ Insert a straight pin in the center of the hinge so the hinges will be one half in the wing and one half in the aileron.Push the ailerons in place tight against the trailing edge of the wing and remove the pins.



4. ☐ Move the aileron to full deflection in one direction (about 1”) and apply one drop of thin CA glue to each hinge. Move the aileron to full deflection in the other direction and apply one drop of thin Ultra set CA on each hinge on that side. Give the hinge a minute to dry then apply one more drop to each hinge on each side.



5. ☐ Insert the pin hinges in the flap and then fit into the wing. Move the flap up and down. The hinges will need to be adjusted so the flap moves up and down smoothly and aligns with the root rib

IMPORTANT: If the hinges are not inserted the correct length the flap may not align with the aileron and the wing root at the same time.

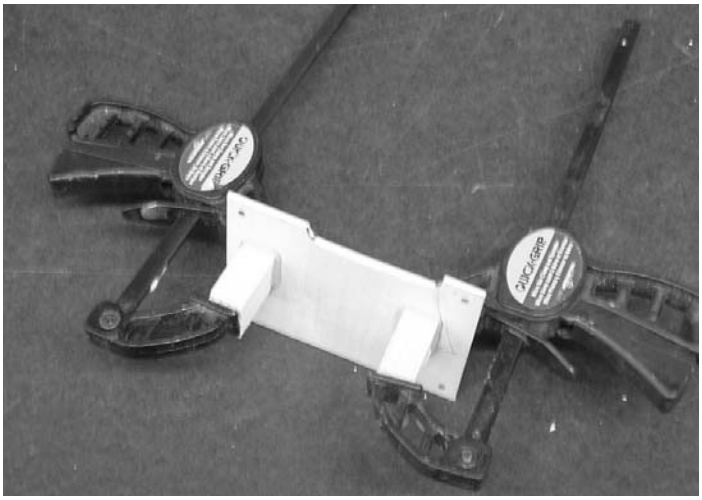
6. ☐ When satisfied with the alignment of the flap, remove the flap, remove the hinges and put epoxy glue in the hinge holes.

☐ Reinstall the flap and make sure the alignment is correct on both ends. Set aside till dry.

AILERON SERVO INSTALLATION

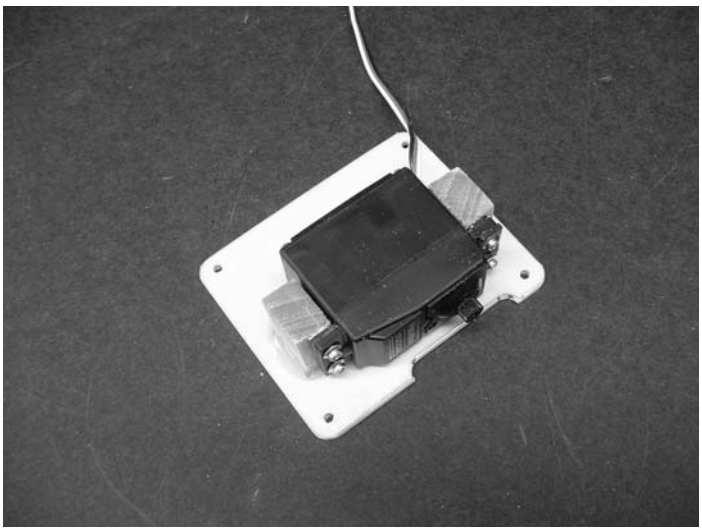
1. ☐ Collect the following parts:

(1) Left wing
(1) Right wing
(4) Servos
(2) 24” Servo Extension
(2) 6” Servo Extension



2. ☐ Center the servo arm in the opening in the door and mark the location of the mounting blocks.

☐ Epoxy the 3/8” x 3/4” blocks to the door.



3. ☐ Mount the servo to the blocks using the hardware that comes with the radio.

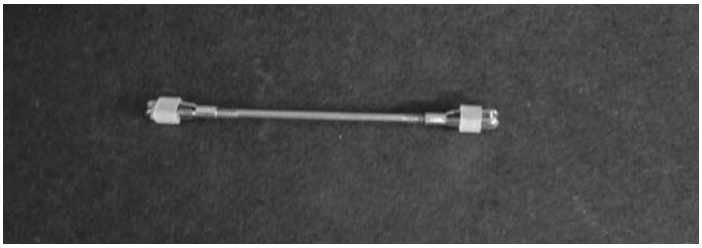
4. ☐ Make sure the servo is centered and attach the servo arm.

5. ☐ Attach a 24” servo lead extension to the servo lead.

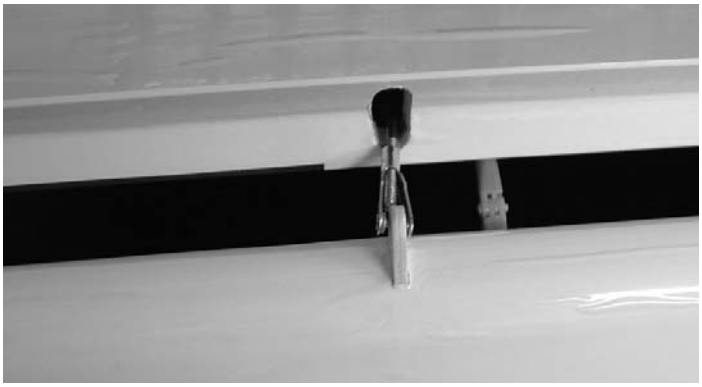
☐ Pull the wire through the wing and exit the root rib.

IMPORTANT! To ensure that any connections located inside the wing will not come loose, either when the wires are pulled, or during flying, **always tape them securely together with electrical tape.**

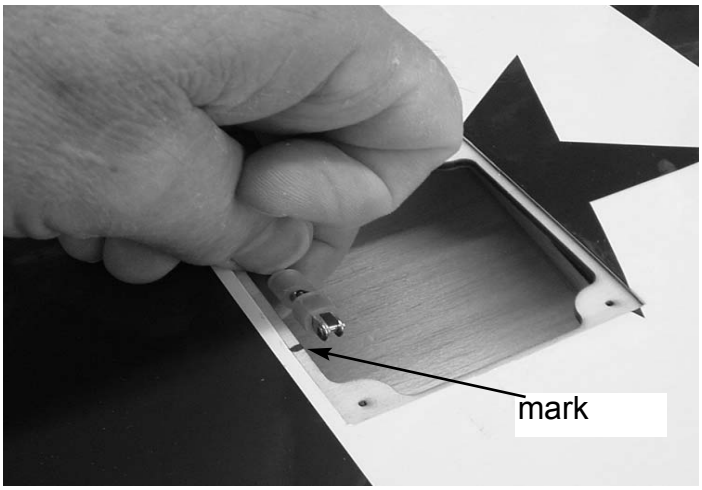
6. ☐ Mount the servo door to the wing using four #2 x 3/8” screws.



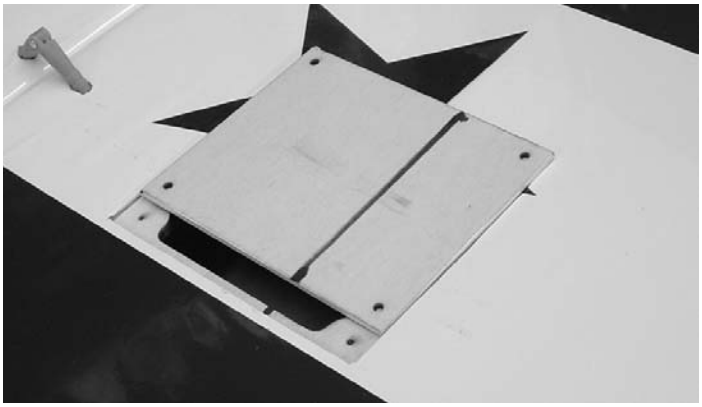
7. ☐ Locate two of the 4-40 x 3-1/2” pushrods and install a clevis and silicone keeper on each end.



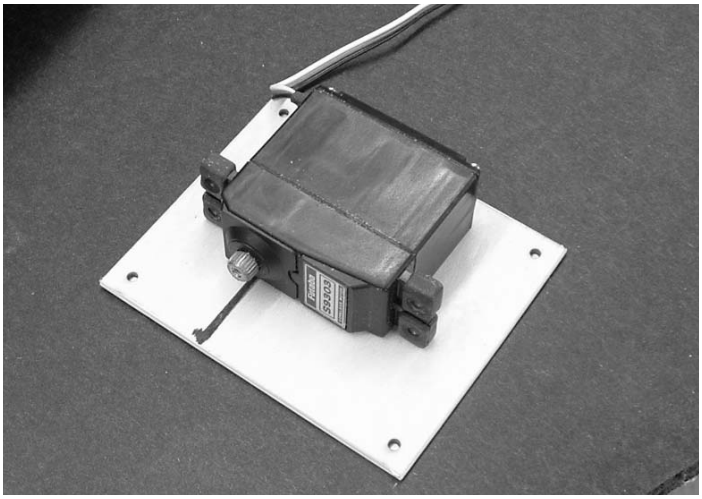
8. ☐ Move the flap down and install the pushrod on the flap horn.



9. ☐ Pull the pushrod up to the side of the door opening and make a mark in line with the clevis pin.



10. ☐ Hold the flap servo door in the opening and transfer the mark to the door.



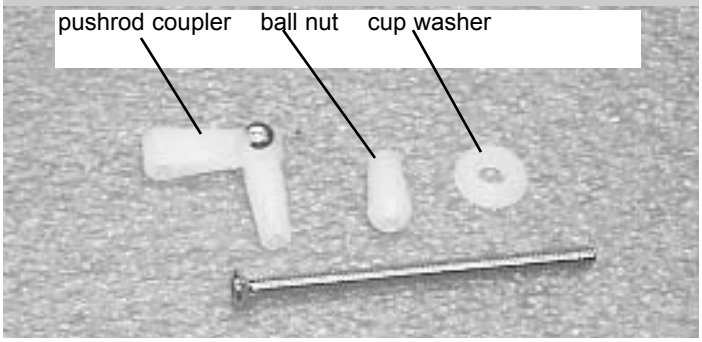
11. ☐ Extend the mark across the servo door and align the output shaft of the servo on the mark.Make sure you have the servo on the correct side of the door so the pushrod aligns with the arm. The servo arm should be 1/2" over from the edge of the door. Mark the location of the mounting blocks.

12. ☐ Epoxy the servo mounting blocks in place and mount the servo.

13. ☐ Attach a servo arm to the servo and hook the pushrod to the arm. You will need the radio on so you can move the flap switch and adjust the length of the pushrod until it fits.

☐ It is trial and error until you get the pushrod the correct length. Fit the door into the opening and note the position of the flap. Remove the door and adjust the rod. When the rod is adjusted and the flap works correctly, screw the door in place using four #2 x 3/8" screws.

Aileron Control Horns



1. ☐ Collect the following items

(2) 6-32 x 1-1/2" bolts
(2) 6-32 nylon ball nuts
(4) 4-40 x 3-1/2" Double Threaded Wire
(2) pushrod couplers
(2) nylon cup washers

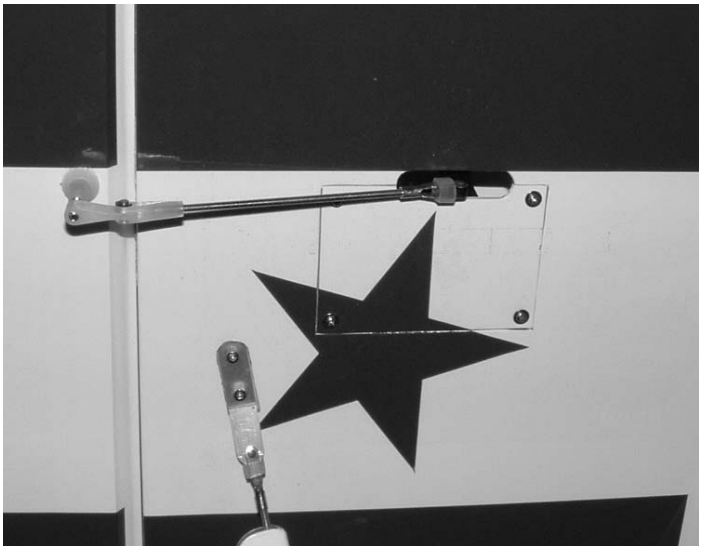
2. ☐ Insert the 6-32 bolt into the aileron from the top side, no washer is needed.

☐ Install the cup washer on the bottom and then the ball nut with the ball side toward the washer.

3. ☐ Tighten the ball nut against the washer and screw the pushrod coupler onto the bolt.

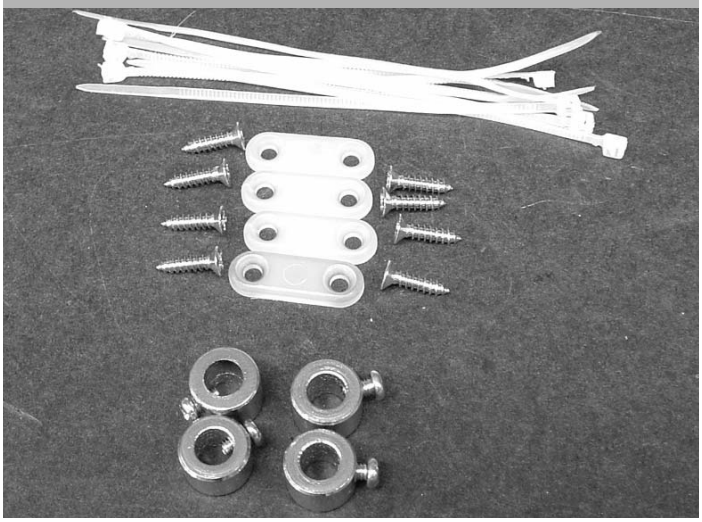
4. ☐ Screw the 4-40 x 3-1/2" pushrod into the pushrod connector and install a clevis, jam nut , and silicone clevis keeper on the other end.

☐ Attach the clevis to your servo arm and adjust.



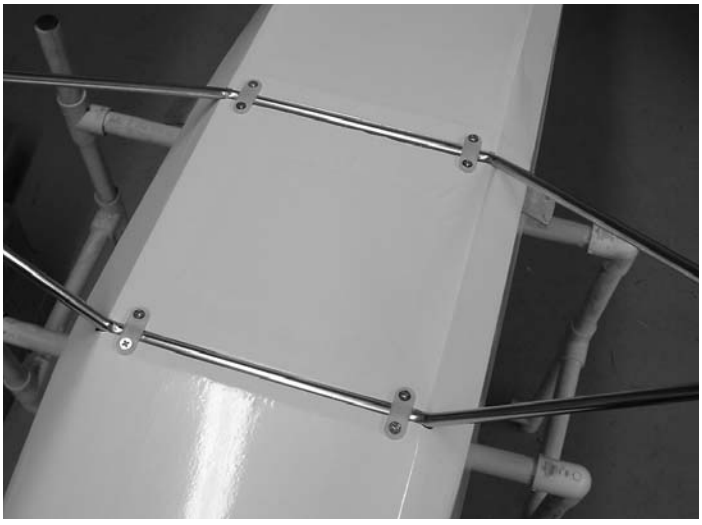
NOTE: Do not thread the adjustable horn bracket farther than 1/4" down on the 6-32 bolt. Control flutter can occur when the bracket is to close to the control surface.

Main Landing Gear



1. ☐ Collect the following items

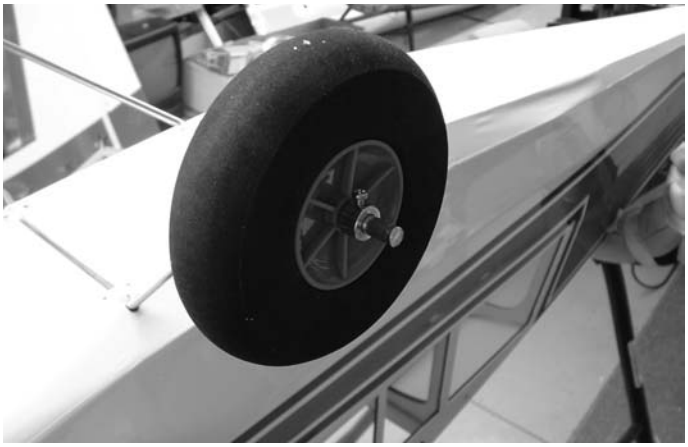
(4) nylon landing gear straps
(8) #4 flat head screws
(4) 1/4” wheel collars
(8) cable ties



2. ☐ Insert the pre-formed gear into the slots in the bottom of the fuselage.

☐ Center the nylon landing gear strap over the gear and drill a 1/16” hole at each location.

3. ☐ Mount the straps using the #4 x 1/2” flat head screws.



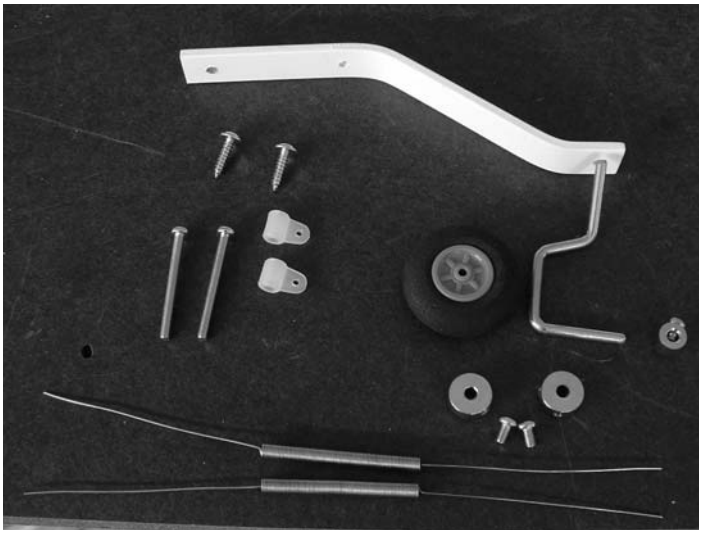
4. ☐ Install the wheels with a wheel collar on each side.

5. ☐ Install the gear fairing using the cable ties. Start from the back side so the knot will be on the back.

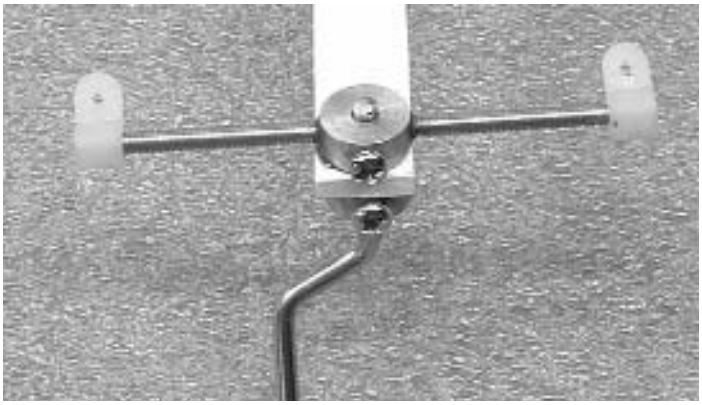
Tail Wheel

1. ☐ Collect the following items

(1) Tail wheel bracket
(1) Wire bracket (axle)
(1) Rubber wheel
(2) Wheel collars with set screws
(2) #4 x 1/2” screws
(2) Tiller arm collars with set screws
(2) 4-40 x 1” screws
(2) nylon pushrod fittings
(2)steering springs



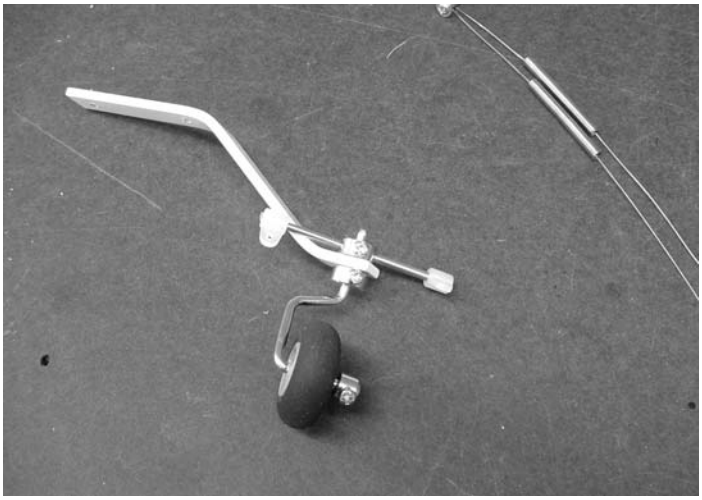
2. ☐ Locate the two tiller arm collars and set screws. One collar has two tapped holes on each side plus the set screw hole. This one goes on top



3. ☐ Install one of the collars on the wire and insert the wire through the bracket. Put the other collar on top.

☐ Screw the two 4-40 screws each each side of the top collar. Adjust the tiller arm so it is square with the axle. Tighten both set set screws and both bolts.

4. ☐ Cut the head off the 4-40 screws and install the nylon pushrod ends.



5. ☐ Install the wheel and wheel collar.

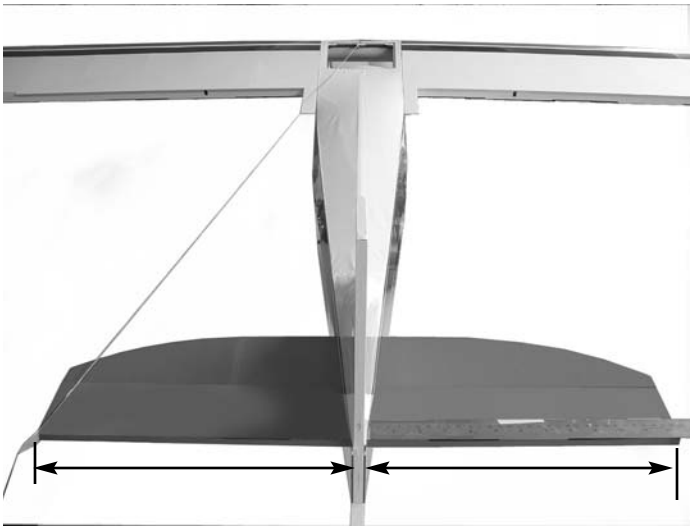
6. ☐ Center the tail wheel bracket on the fuselage with the bend at the very back.

☐ Drill 1/16” holes and mount with the two #4 x 1/2” screws. The Tail wheel springs will be mounted later.

MOUNTING STABILIZER

1. ☐ Collect the following items

(1) Stabilizers
(1) Fuselage
(1) Wing tube
(2) Wings



2. ☐ Insert the wing tube in fuselage and install both wings, you don't need the wing bolts now.

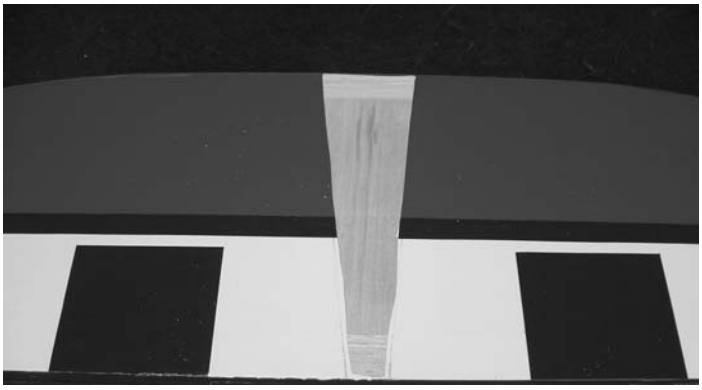
3. ☐ Install the stab in the slot and use a ruler to center it at the trailing edge making sure both sides are equal.

4. ☐ Put a straight pin in the center of the fuselage just in front of the top hatch and attach a piece of string to it.

☐ Pull the string to the rear tip of the stab and put a piece of masking tape. Swing the string over to the other tip and measure where the tape is. Move the stab half the distance to the tape and reposition the tape. When you have the stab adjusted where you can swing the string from one tip to the other and the tape is the same without moving the tape, the stab will be square to the fuselage.

☐ Sight down the fuselage to the wing and make sure the stab is parallel to the wing. Shim one side if necessary.

5. ☐ When satisfied with the alignment, mark the stab top and bottom and both sides next to the fuselage.

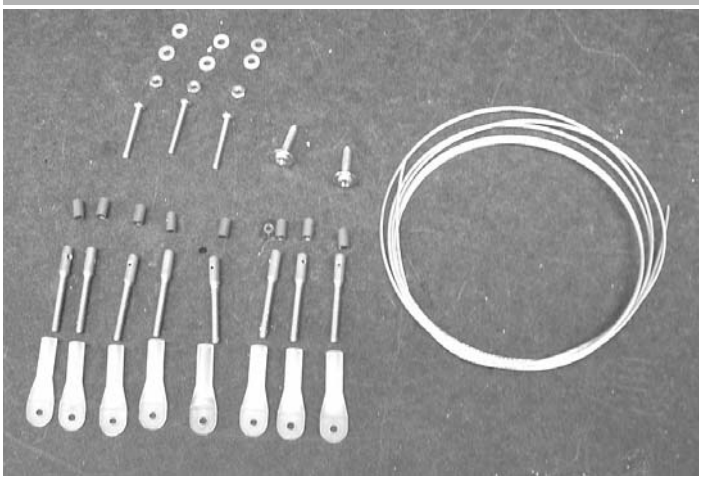


6. ☐ Use a razor blade and carefully cut just through the covering and not into the wood and remove the covering top and bottom. Stay 1/8" inside the line you marked so no wood will show.

7. ☐ Reinstall the stab up to the cut and apply epoxy glue top and bottom. Use 30 minute so you will have time to work.

☐ Realign the stab using the mark on the stab. Sight down the fuse and make sure the stab is parallel to the wing. Use alcohol to clean the excess epoxy. Set aside till cured.

Flying Wires



1. ☐ Collect the following items

(1) Braided wire

(2) #4x3/8" screws

(8) Nylon fittings

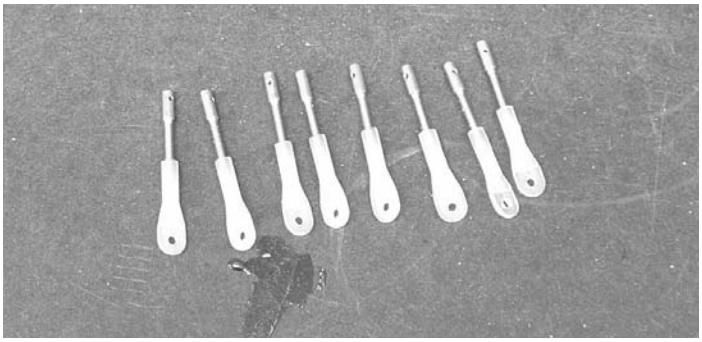
(8) 2-56 rigging couplers

(8) cable swages

(3) #2 x3/4" screws

(3) #2 nuts

(6) #2 flat washers

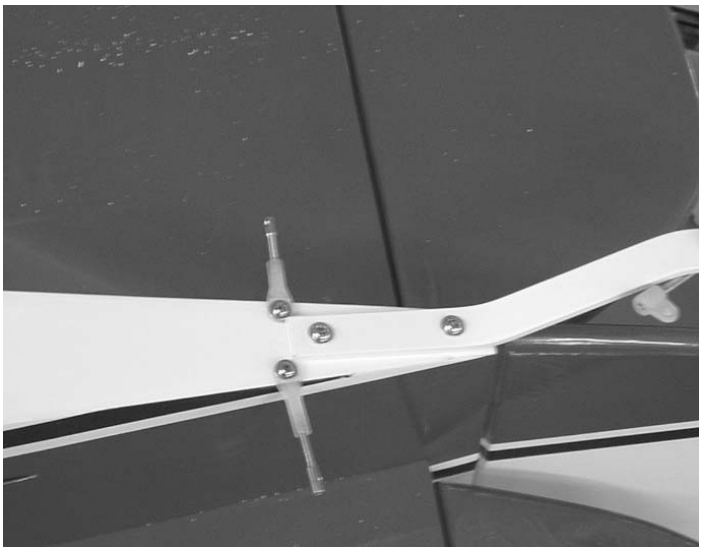


2. ☐ Screw the rigging couplers into the nylon fittings about 3/16” leaving room for adjustment.

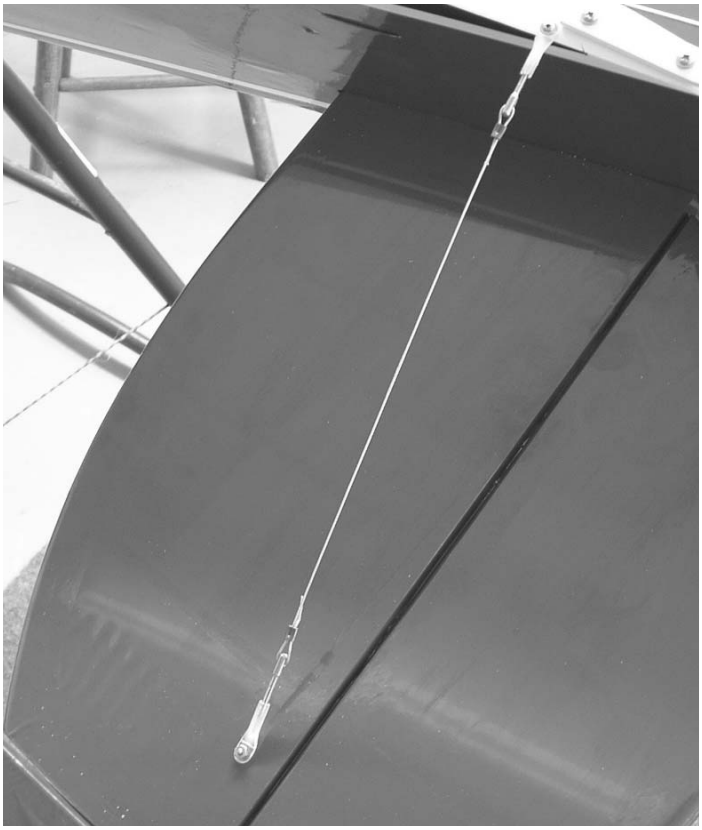
3. ☐ Locate the holes in the fin approximately 1-3/4” down from the top and 3/4” in from the rear. The stab holes are approximately 2-3/4” in from the tip and 3/4” in from the rear.

4. ☐ Install a rigging coupler on each side of the fin using a #2 screw, flat washer on each side,and a nut.

5. ☐ Install a rigging coupler on each side of the stab, top and bottom.



6. ☐ Install the other two couplers on the bottom of the fuselage just in front of the tail wheel bracket, using the two #4 screws.



7. ☐ Insert the wire through on of the swages, through the rigging coupler and back through the swage. Slide the swage to about 1/4” from the coupler and and crimp two times.

. ☐ Pull the cable to the other coupler and repeat the crimping.

8. ☐ Repeat for the other bottom wire and then do both top wires.

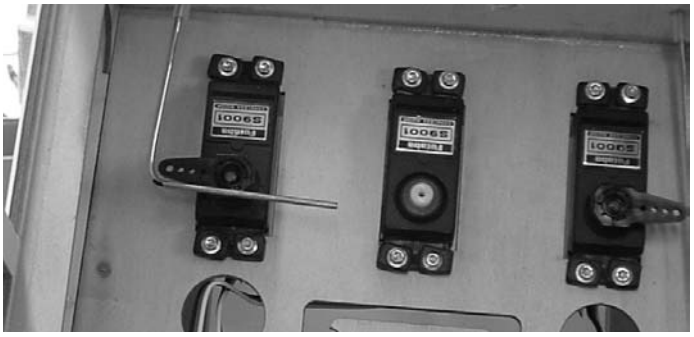
Rudder Elevator Servos

1. ☐ Collect the following items

(1) Rudder servo

(2) Elevator elevator

(1) Fuselage



2. ☐ Mount the three servos as shown above using the hardware that comes with the radio. All three output arm go forward.

Hinging Elevator and Rudder

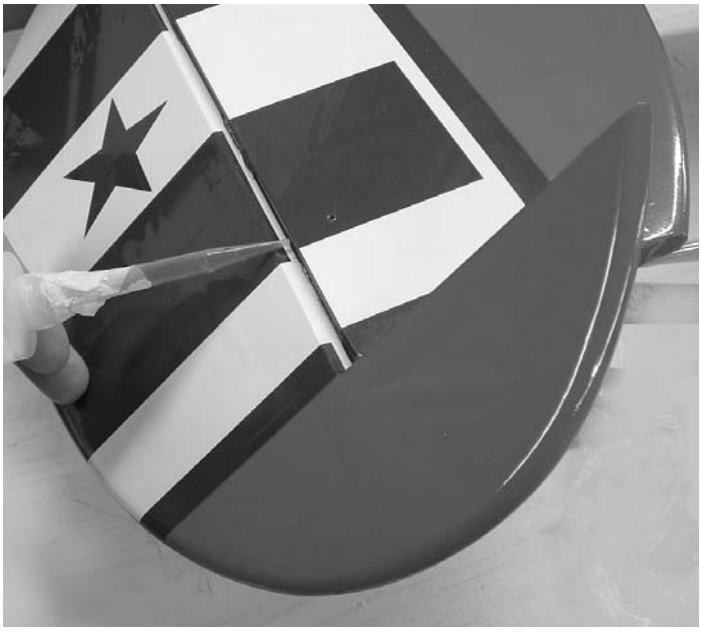
1. ☐ Collect the following items

(1) Rudder

(2) Elevators

(12) CA hinges

(1) Fuselage

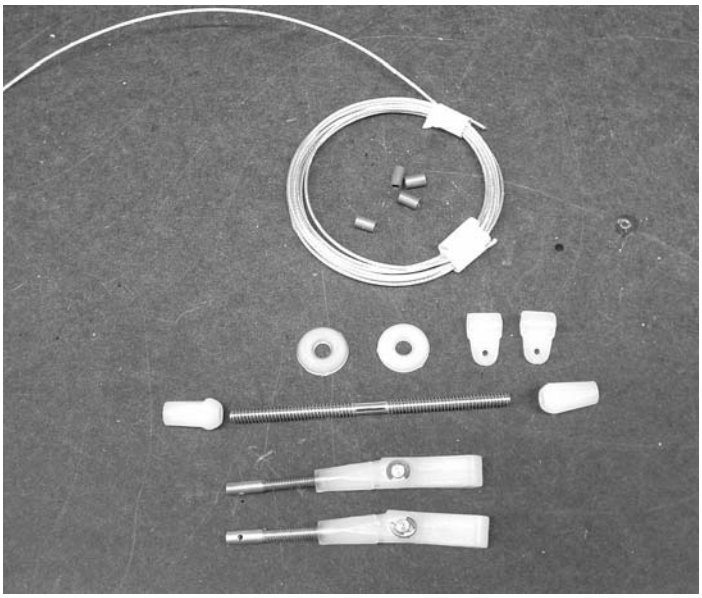


2. ☐ Trial fit the elevator in place with the CA hinges just as we did with the ailerons. Use a pin in the center of the hinge to make sure it stays centered. Make sure the counter-balances on the tip do not interfere with the stab.

3. ☐ When satisfied with the fit, hold the elevator tight against the stab and move to its full deflection in one direction. Glue hinges in place with thin Ultra Set CA. Move the elevator to full deflection in the opposite direction and glue from the other side.

4. ☐ Repeat the process for the rudder. Make sure the counter balance on top is free to move.

Rudder Cables



1. ☐ Collect the following items

(1) Braided cable

(4) cable swages

(2) rigging couplers

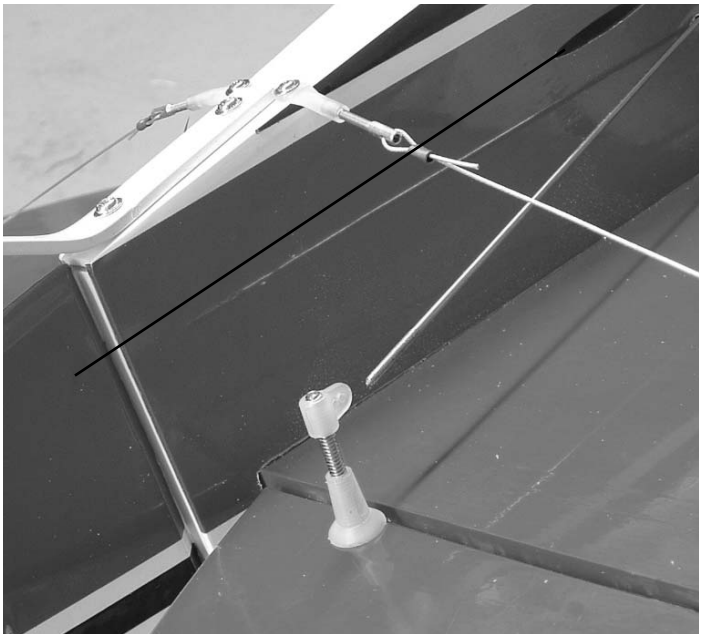
(2) swivel pushrod fittings

(1) 6-32 x 3” threaded rod

(2) nylon ball nuts

(2) nylon cup washers

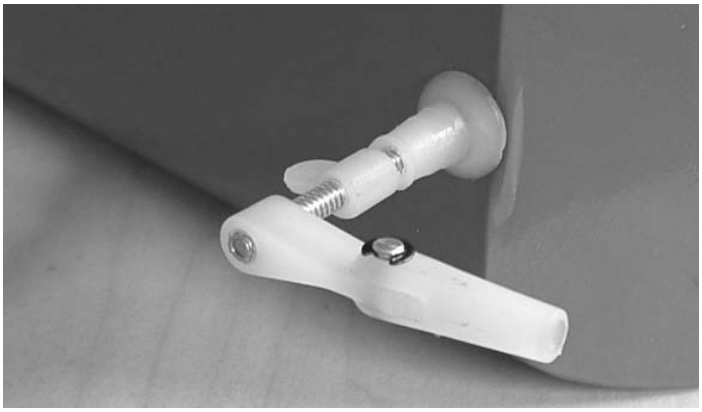
(2) nylon pushrod fittings



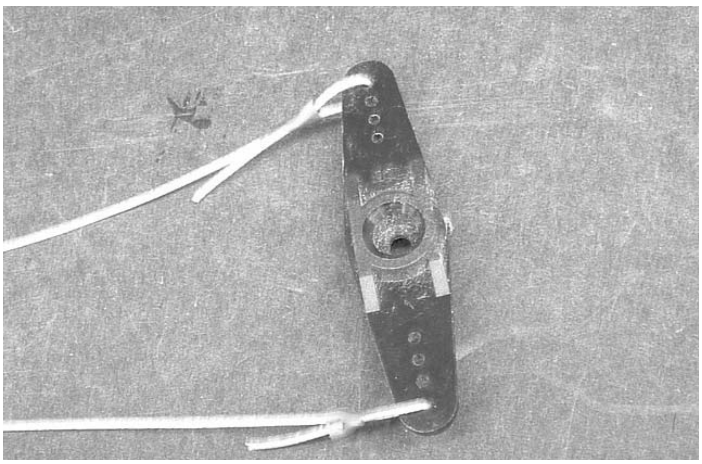
2. ☐ Draw a line straight back from the rudder cable exit in the side of the fuselage and mark the location of the rudder horn.

3. ☐ Use the swivel pushrod connector to locate the hole. The swivel joint should be over the hinge line.

☐ Drill a 9/64” hole at this location. Use Ultra Set thin CA to hardened the holes.



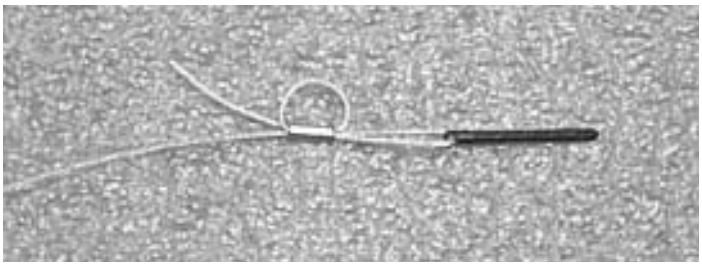
4. ☐ Assemble the rudder horn as shown.



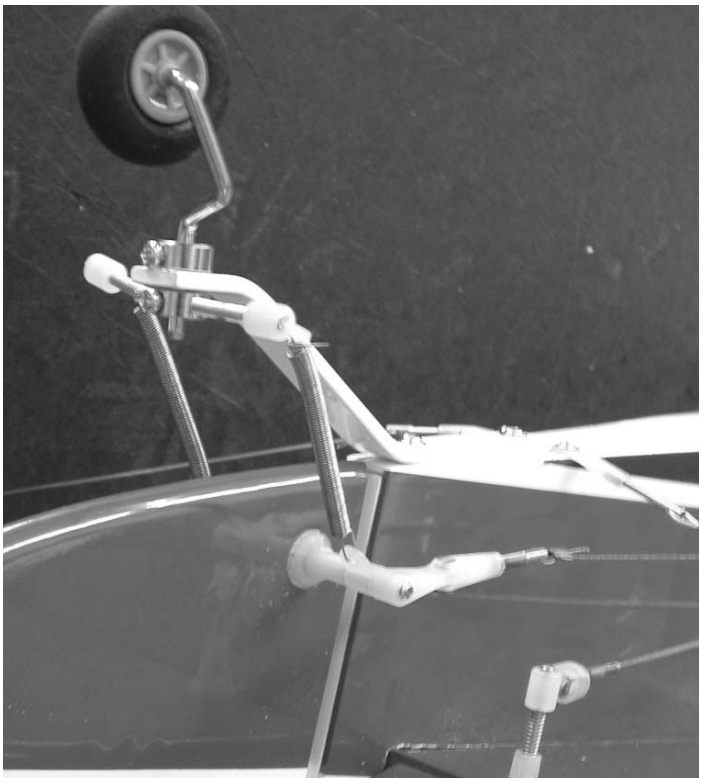
5. ☐ You will need a long double sided servo arm for the rudder pull-pull,

☐ Cut the braided cable into two equal lengths.

☐ Attach one end of the braided cable to each side of the arm using the swages.



☐ It is best on control surfaces to loop the cable back through the swage before crimping to make sure it does not slip



6. ☐ Use one of the elevator pushrods to thread the two cable out the exits in the rear of the fuselage.

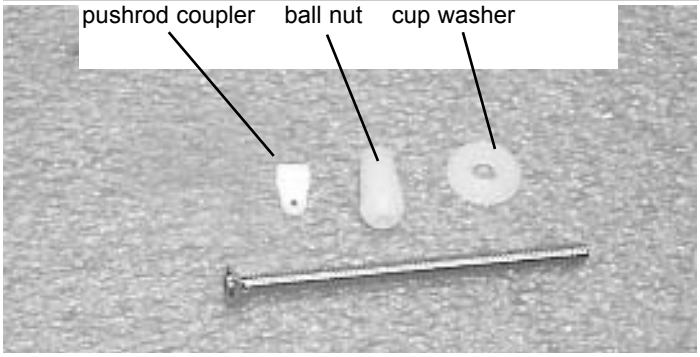
☐ Screw one of the threaded rigging couplers in the pushrod connector about 3/16”. Repeat for the other side.

7. ☐ Turn your radio on and center the servo. Tape the rudder so it is centered.

☐ Attach both cables and pull tight. Use the loop back method through the swage and crimp.

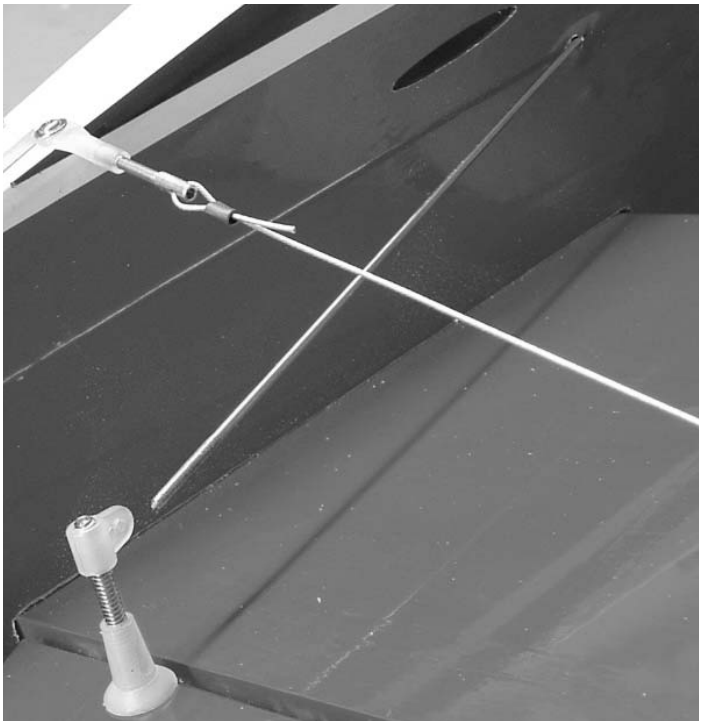
8. ☐ Attach the rudder steering cables making sure the tail wheel is straight.

Elevator Pushrods



1. ☐ Collect the following items

(2) 6-32 x 1-1/2” bolts
(2) 6-32 nylon ball nuts
(4) 4-40 x 3-1/2" Double Threaded Wire
(2) Pushrod couplers
(2) Nylon cup washers
(2) 2-56 x 40” pushrods
(2) Nylon swing in keepers
(2) 2-56 metal clevis
(2) Silicone clevis keepers

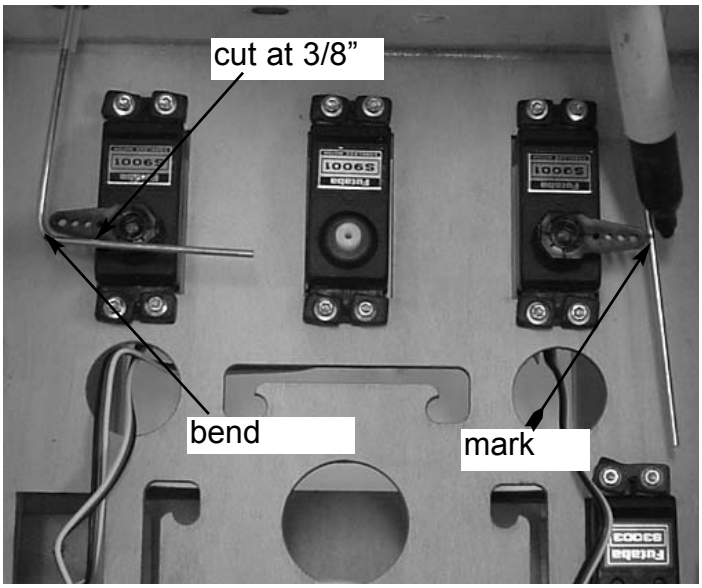


2. ☐ Insert the two rudder pushrods into the guide tubes. Align the control horn so they will be in perfect alignment with the pushrod. Mark the position on the elevators and drill a 9/64” hole at each spot.

3. ☐ Use thin Ultra Set CA to harden the holes.

☐ Assemble the control horn. No washer on top, cup washer on bottom followed by the ball nut. Screw the pushrod fitting on the end.

4. ☐ Slide the silicone keeper on the clevis then screw the metal clevis on the pushrod. Attach to the control horn.



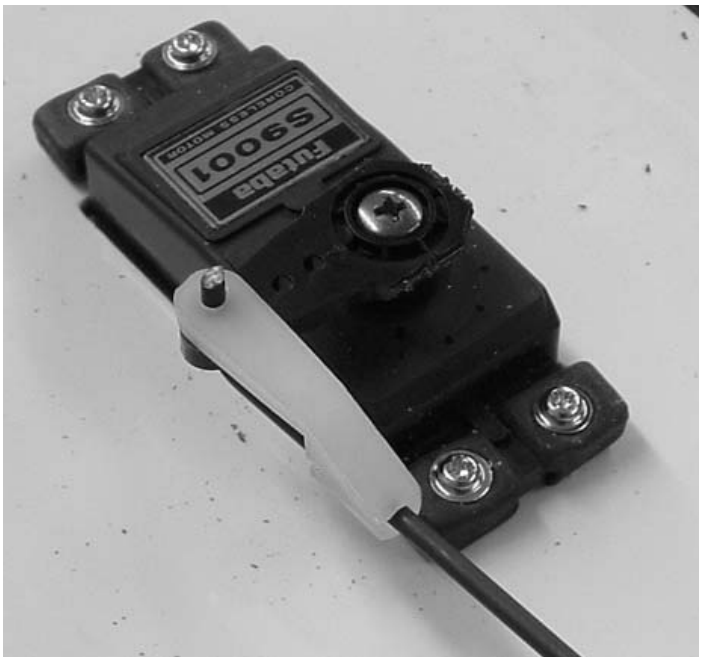
5. ☐ Tape both elevator so they are neutral.

☐ Turn the radio on and center the elevator servos.

6. ☐ Mark both elevator pushrod where they cross the servo arm.

☐ Make a 90 degree bend at your mark.

☐ Cut the pushrod at 3/8”.



7. ☐ Fit the pushrod into the servo arm and install the nylon swing in keeper

ENGINE INSTALLATION

The Motor you choose may have a different type installation as show.

You should make sure that you go over all high stress joints with a white glue or a epoxy.

Because of the size of propellers used in these type of engines any kind of prop strike on the ground, or any other type of object, can cause structural damage that might not be easily visible. When a accident occurs you must check for damage thought out the plane before flying. This damage can cause airframe failure at any time, so inspections must be thorough.

We will not warranty any structural failures due to neglect or accidents.

Caution:

Always use thead lock on any bolt that is threading into metal threads.

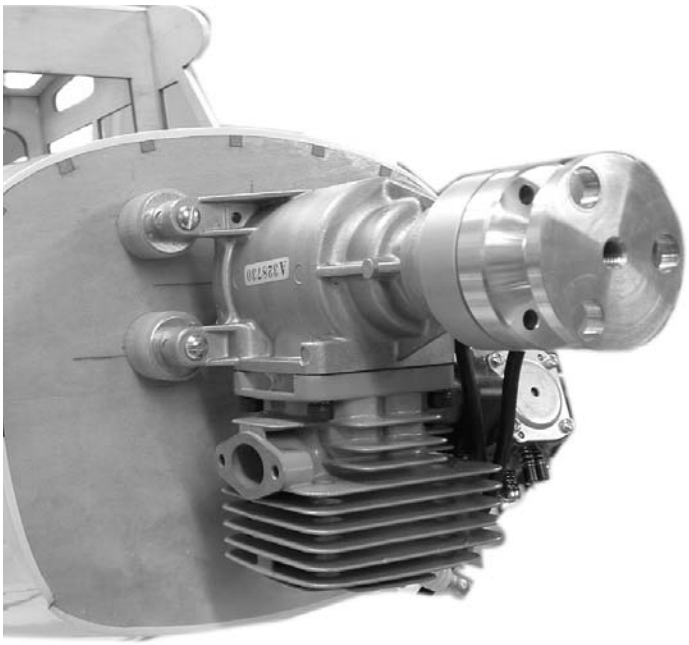
1. ☐ Collect the following items

(1) Cowl

(1) Fuselage

(1) Motor of your choice

(1) Spinner



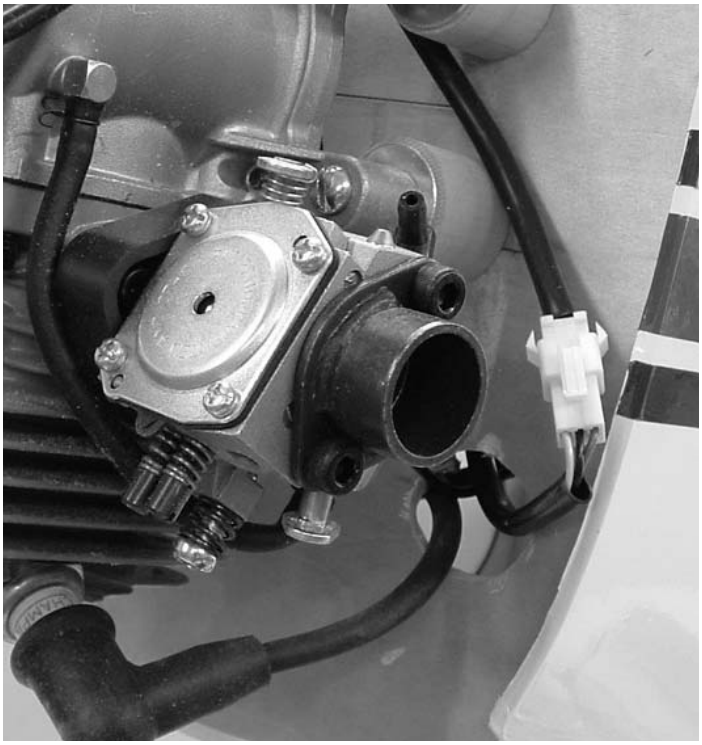
2. ☐ The firewall has a cross hairs marked which is the center of where your crank shaft should be.

. ☐ Drill the holes from which ever engine you choose so the center of the prop hub is on the cross hairs.

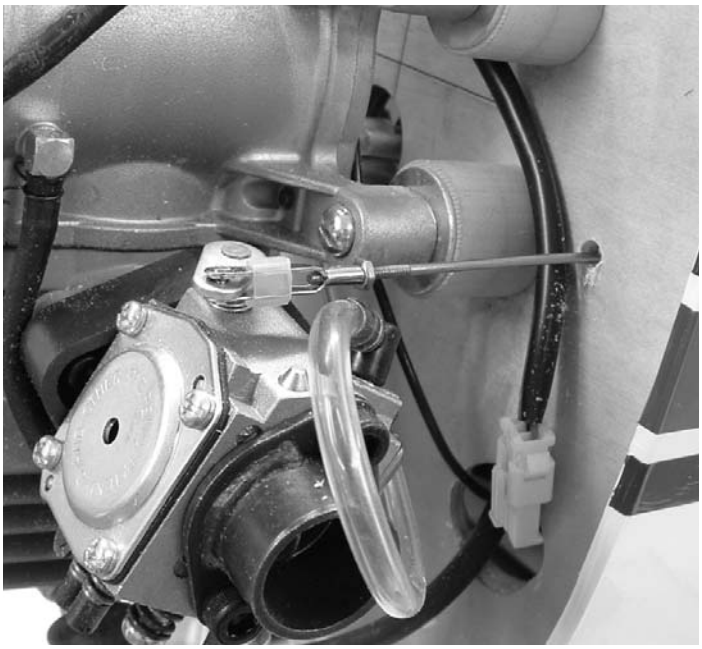
3. ☐ Trial fit the cowl in place, it overlaps the front of the fuselage. Use tape to hold in place and align the stripes.

☐ Measure from the firewall to the front of the cowl at the spinner opening. This plus 1/8” is the distance your motor will need to be spaced out. We used the Fuji BT43EI which needed a 3/4” spacer behind the motor to give us a length of 7-5/8” to the back of the spinner back plate.

☐ Bolt the motor in place (hardware for mounting motor is not included).



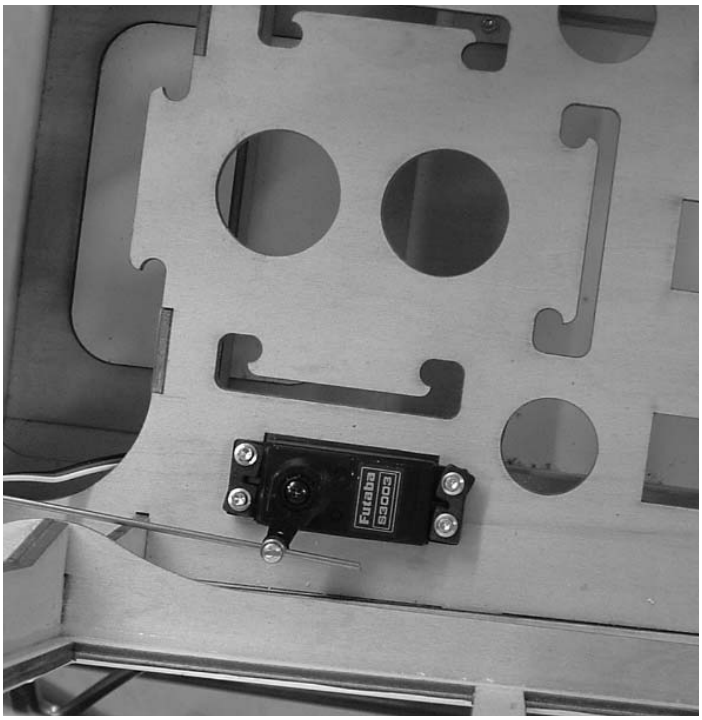
4. ☐ You can make a hole in the firewall to pass the ignition wires through.



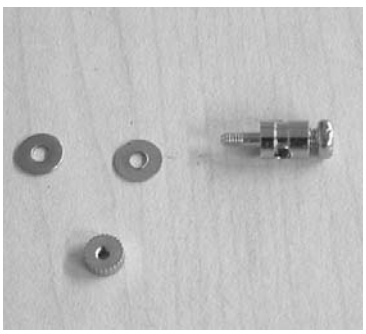
5. ☐ Drill a 3/16” hole in the firewall in line with your throttle arm.

☐ Attach the 2-56 x 12” pushrod with clevis and silicone keeper to the throttle arm.

Note: Before mounting the throttle servo skip ahead to page 18 and install the fuselage strut attachment brackets which require access through the throttle servo mounting holes.



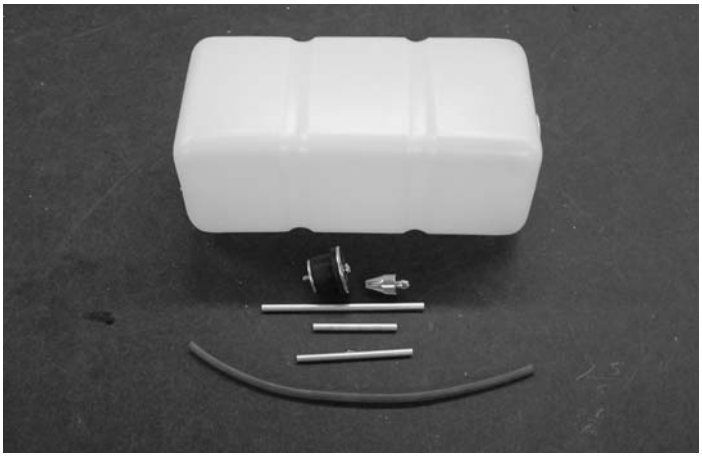
6. ☐ Mount the throttle servo as shown. There is a mount on both sides of the fuselage in case your throttle is on the opposite side.



7. ☐ Locate the e-z throttle connector and assemble to your servo as shown.

☐ Insert the pushrod into the connector and attach servo arm to throttle servo. Adjust servo for proper operation.

FUEL TANK



1. □ Collect the following items:

(1) Fuel tank

(1) clunk

(1) cap assembly

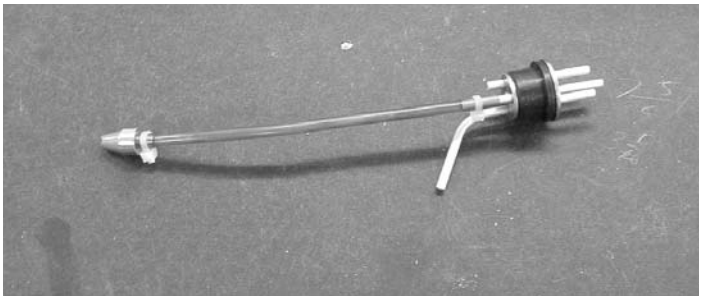
(3) aluminum tubes

(1) fuel pickup line

(1) plywood fuel tank mount

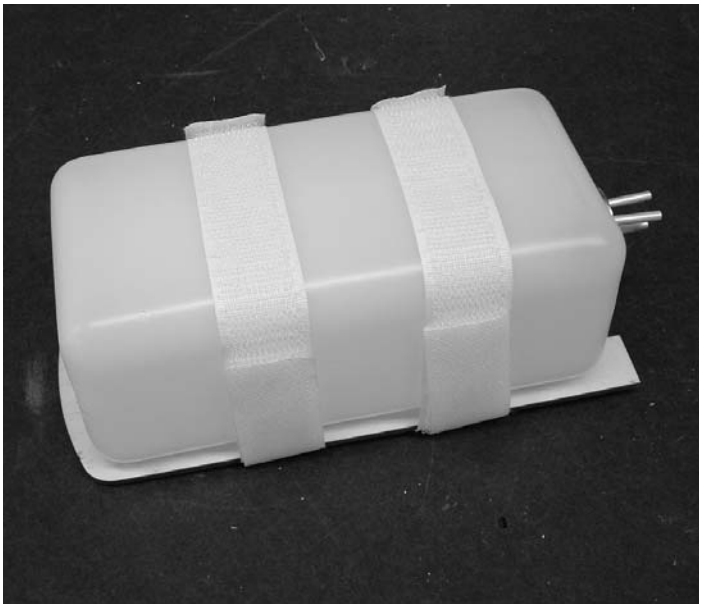
(2) velcro straps

(1) #4 x 1/2” screw

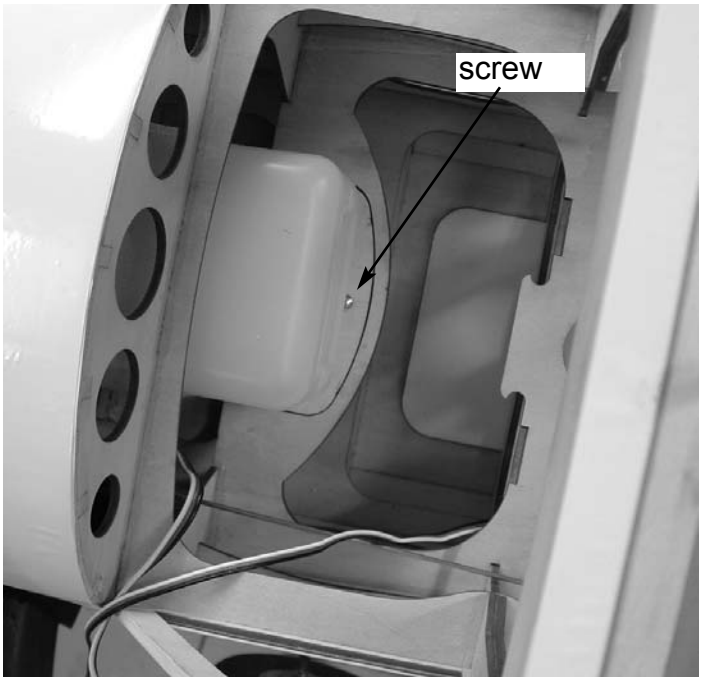


2. □ Assemble the cap with the vent line bent to fit to the top of the tank and the clunk where it is 1/4” off the bottom of the tank when held vertical.

□ It is a good idea to use cable ties on the fuel lines to prevent them from coming off.(cable ties not included).



3. □ Velcro the tank to the plywood mount with the tabs forward.



4. □ Fit the tank into the nose and the cutout in the rear. Retain with the #4 screw.

5. □ Fit fuel lines in place thru the hole in the firewall.

COWL INSTALLATION

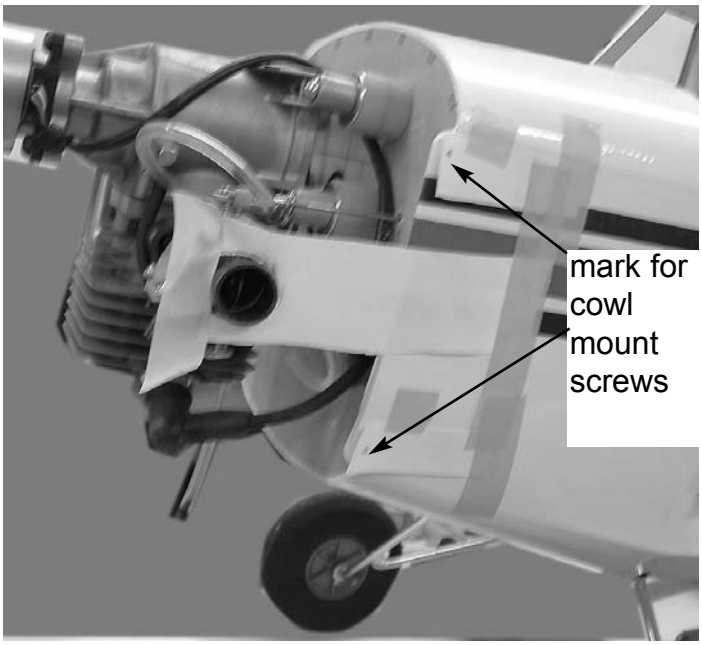
1. ☐ Collect the following items:

(1) Cowl

(4) #4 x 1/2” screws

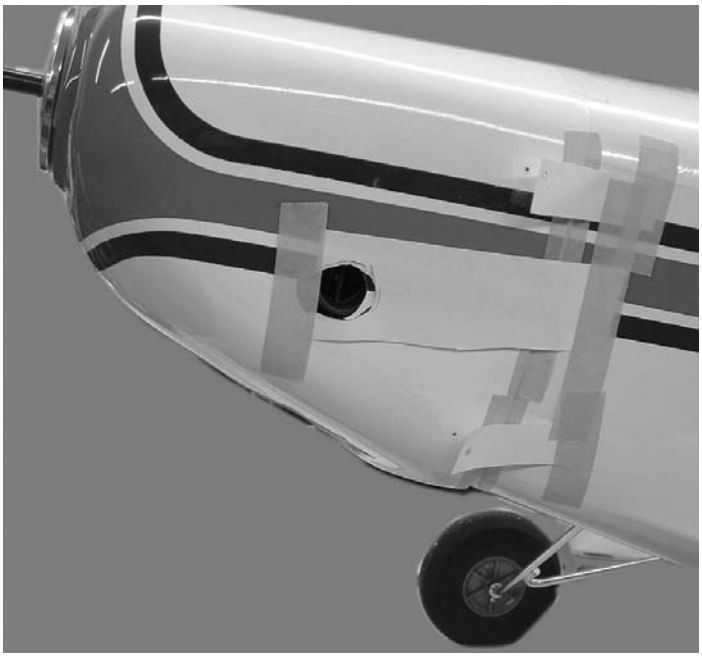
You will have to remove any parts of the cowl that rub against the engine. Make these openings little at first and slowly make them bigger till the cowl fits over the engine without touching.

2. ☐ Make a cutout in the bottom of the cowl to clear the muffler, spark plug, and head.



3. ☐ Take four scraps of paper about 1” wide and three inches long and tape to the side of the fuselage at the top and bottom of the piece that overhangs the firewall on each side. This is the position of the four cowl mounting screws. Mark a mark on the paper that will be in the center of the overhang.

☐ Take another piece of paper about 7” x 2” and make a cutout that will fit around the carb intake. Tape to fuselage at rear.



4. ☐ Fit the cowl back in place with the paper strips on the outside.

☐ Fit your spinner back plate in place and put a 1/8” shim between it and the cowl.Make sure the front of the cowl is aligned with the spinner, use tape to hold in place.

5. ☐ Align the cowl at the rear making sure the stripes are aligned. When satisfied with the fit, transfer the mounting holes from the paper to the cowl by running a 1/16” drill through the cowl and into the fuselage side.

☐ Mark the location of the carb intake through the paper template.

5. ☐ Repeat the cowl mounting holes on the other side of the fuselage.

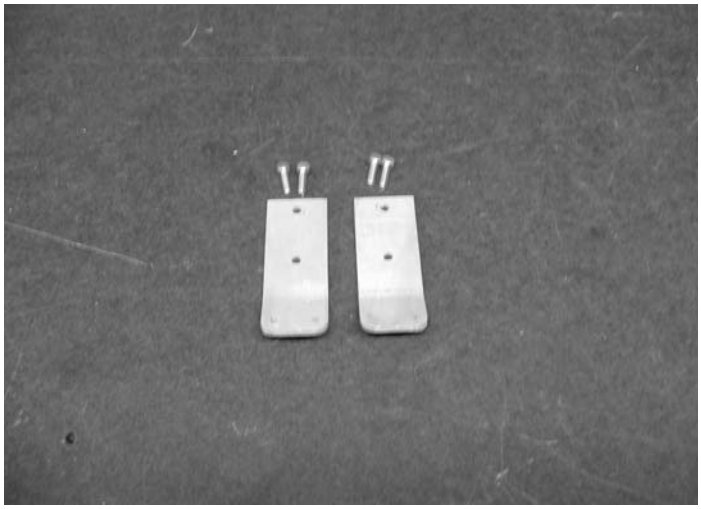
6. ☐ Remove the cowl and run a 3/32” drill through the 1/16” holes in the cowl only.

☐ Use a dremel tool to open the carb inlet hole you marked on the side.

7. ☐ Use Ultra Set thin CA and harden the 1/16” holes for the cowl mount.

☐ Reposition the cowl and mount using the four #4 screws.

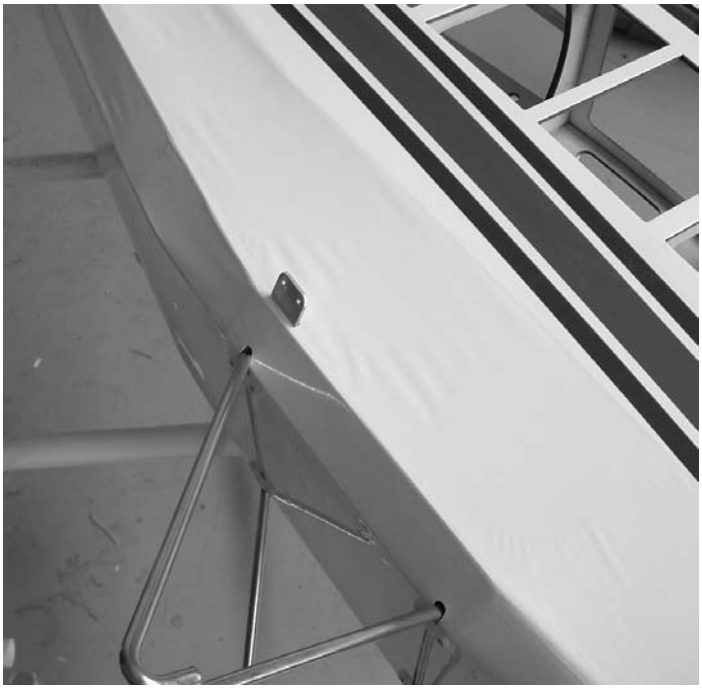
Wing Struts



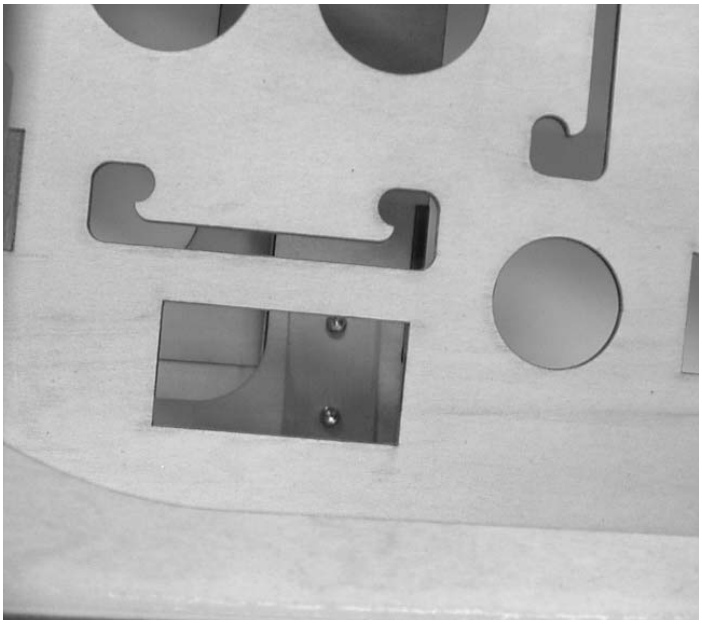
1. ☐ Collect the following items:

(1) Fuselage strut attach bracket

s (4) 4-40 x 1/2” screws

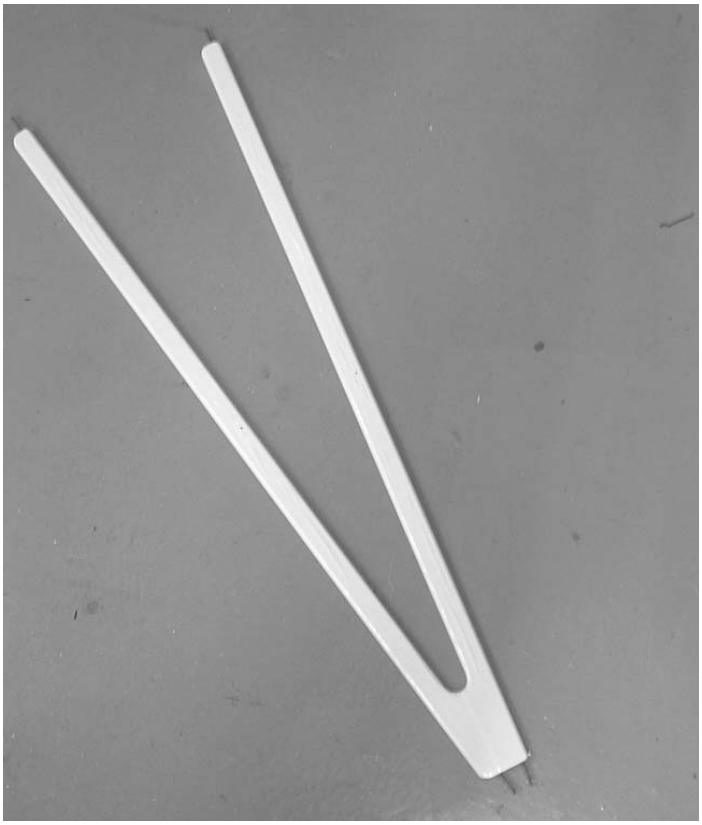


2. ☐ Fit the bracket into the slot in the side of the fuselage just above the rear gear leg.

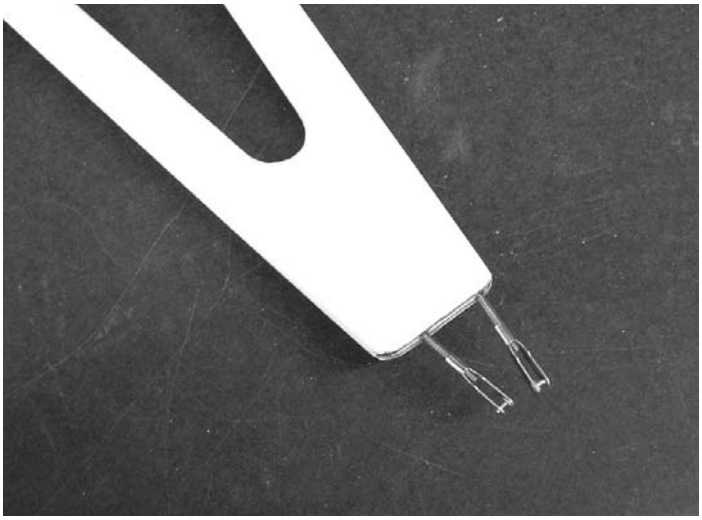


3. ☐ Bolt in place using the two 4-40 screws on each side. Access is through the throttle servo mount hole. Use lock-tite on the screws.

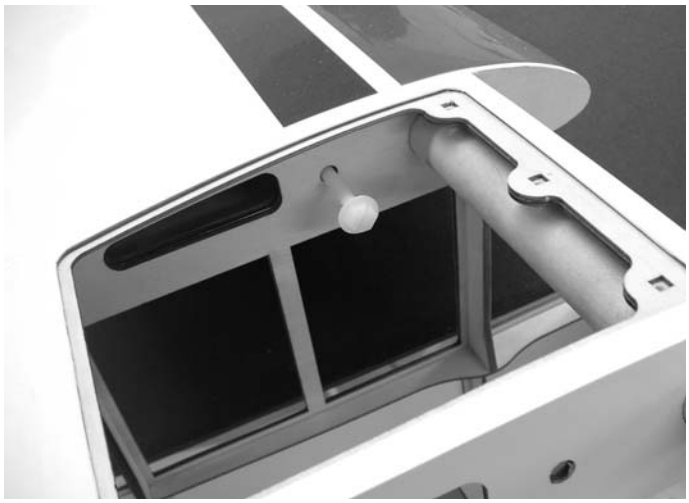
4. ☐ Attach the four strut attachment brackets in the cutout in the bottom of both wings.



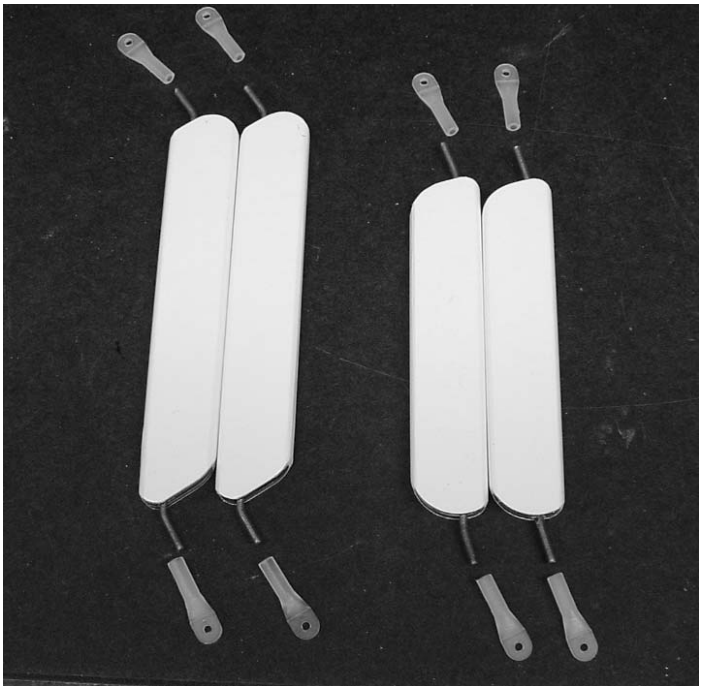
5. ☐ Locate the two wing struts.



6. ☐ Screw a 4-40 clevis with silicone keeper on all four of the ends.

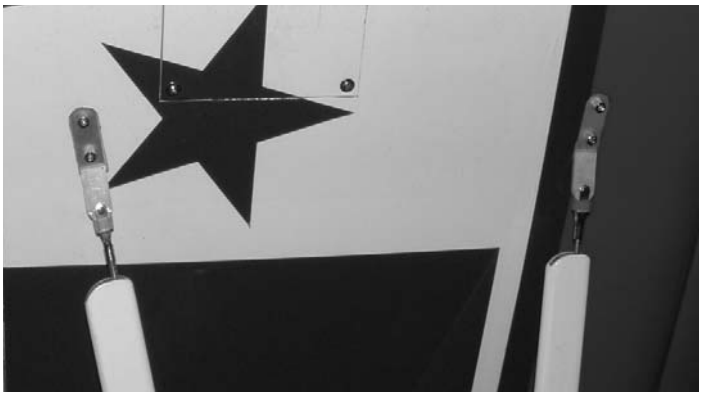


7. ☐ slide the aluminum tube into the fuselage and attach both wings using the 1/4-20 nylon bolts.



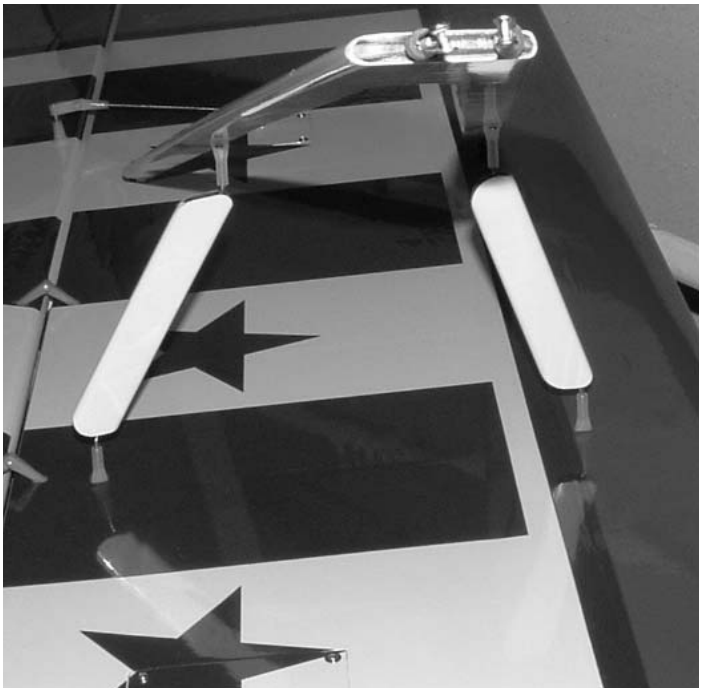
8. ☐ Locate the four interplane struts. The two long ones are for the rear strut and the two short ones are for the front strut.

☐ Locate the 8 nylon fittings and screw them to the ends of the interplane struts.



9. ☐ Attach the struts to the plane.

10. ☐ Bend the nylon tab on the end of the interplane strut 90 degrees to the strut and attach to the strut and to the wing using the #2 x 3/8" screws. There are pre-drilled holes in the strut and the bottom of the wing where the fitting go.



11. ☐ The wings can be removed and the struts left attached to the wing if you like.

HATCH & CANOPY

1. ☐ Gather the following items

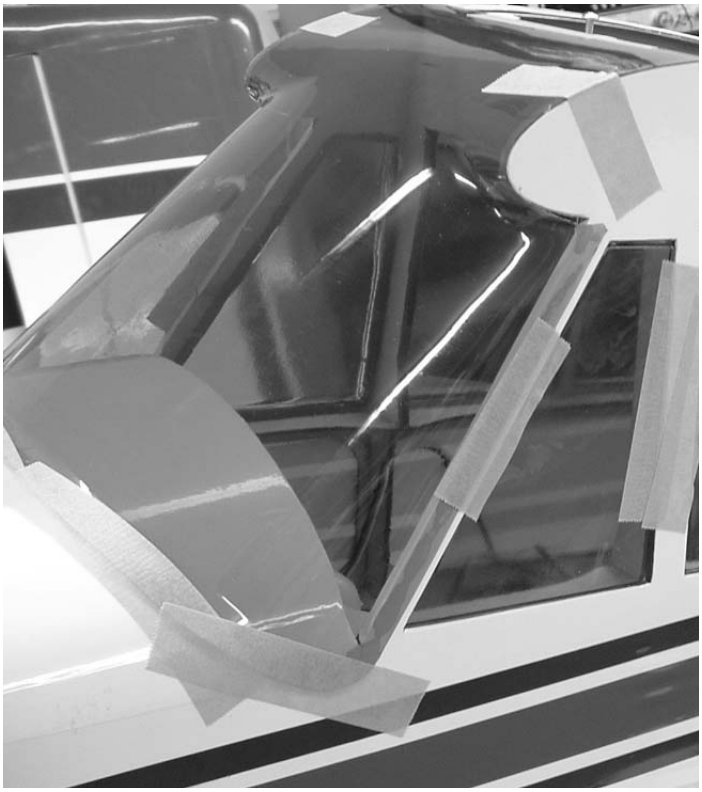
(1) Front windshield

(2) Side window sets

(1) Top hatch

(1) Top hatch tinted cover

(3) #4 x 1/2” screws



2. ☐ Fit the front windshield so it has about 1/4” overlap all around and flush with the front of the wing rib.

☐ Apply a small bead of canopy glue around the inside edge and use masking tape to hold in place till the glue dries.

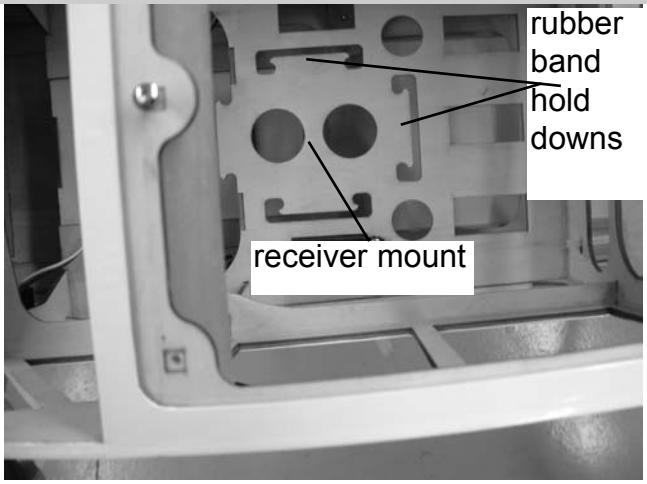
3. ☐ Fit the side windows in from the inside. Some trimming of the flanges may be necessary to allow the glass to fit all the way into the hole and flush with the out side surface.

☐ Apply canopy glue to all the flanges and insert into place. Use masking tape on the outside to hold in place till the glue dries.

4. ☐ Apply a bead of canopy glue around the inside of the top hatch cover and fit in place from the inside.

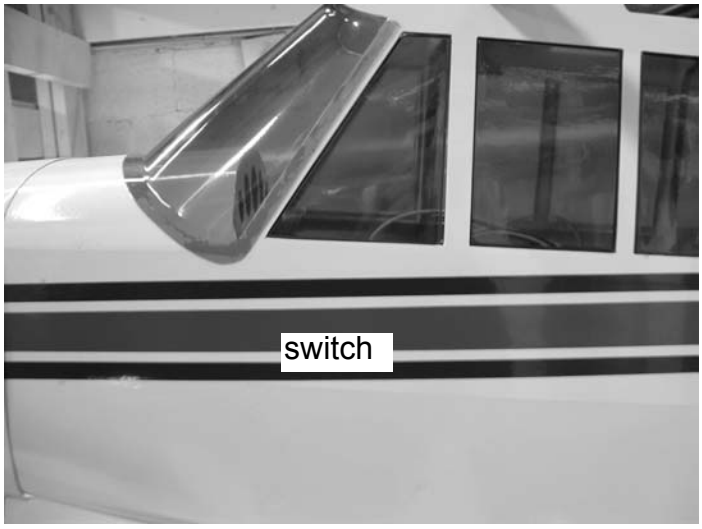
5. ☐ Secure the top hatch with the three #4 x 1/2” screws.

RECEIVER, BATTERY & SWITCH



1. □ A mount for the receiver is supplied just in front of the servos

□ Use foam under the receiver and rubber bands to hold it in place.



2. □ The area just under the front window is wood to provide a place to mount the switch. It can be mounted on either side to keep it away from the exhaust.

3. ☐ The batteries can be placed between the tank and receiver or wherever they are needed to balance the model.

Balancing

Your model should balance between 4-1/2” and 5-1/4” behind the leading edge of the wing.

Good Luck and I hope you enjoy flying the **106” Husky** .

Control Throws

Ailerons	**Low Rate**	**3/4” Both Directions**
	High Rate	**1-1/2” Both Directions**
Elevators	**Low Rate**	**1” Both Directions**
	High Rate	**2” Both Directions**
Rudder	**Low Rate**	**1-1/2” Both Directions**
	High Rate	**2-1/2” Both Directions**

Optional Float Package

1. ☐ Gather the following items

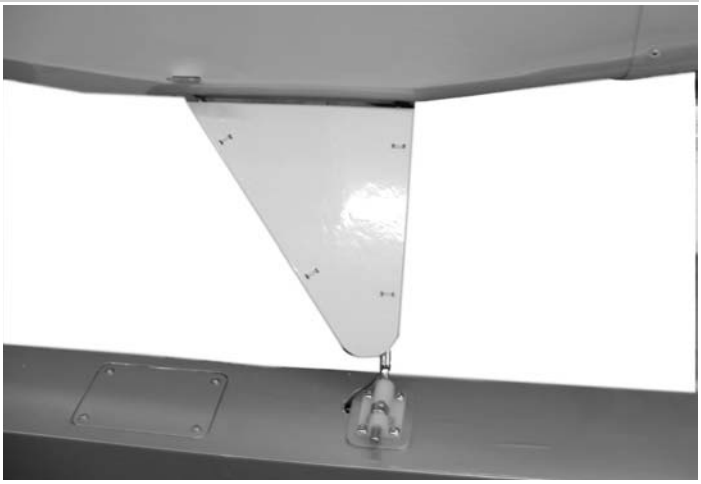
(4) nylon brackets

(4) plywood spacer plates

(16) 4-40 x 1/2” screws

2. ☐ Mount the four brackets on the floats with the 4-40 screws. Use lock-tite on the screws.

☐ Remove the wheels from the main landing gear.



3. ☐ Mount the main landing gear leg in the front brackets using one of the 1/4” wheel collars in the opening in the bracket.

☐ Repeat for the other float.

4. ☐ Gather the following items

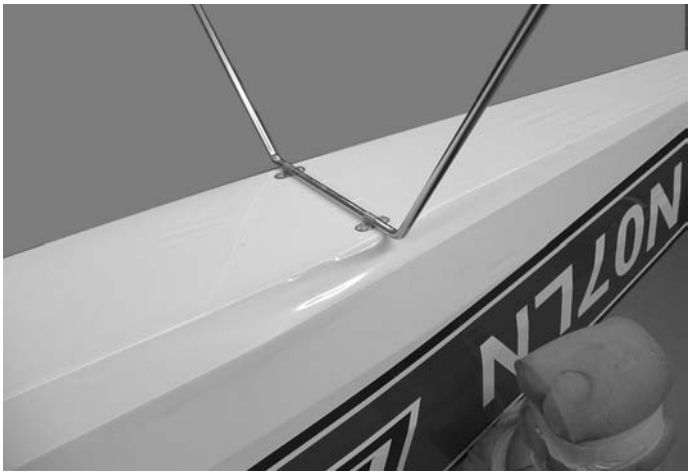
(1) 1/4” wire rear float mount

(2) Landing gear brackets.

(4) #4 x 3/8” screws

5. ☐ Fit the rear float mount wire in the bracket and install a 1/4” wheel collar in the notch.

☐ Find the hard wood block for the rear mount by feeling along the bottom of the fuselage.



6. ☐ Mount the brackets to the fuse bottom by drilling a 1/16” hole at the bracket locations and mounting using the #4 screws.

Water Rudders

1. ☐ Gather the following items

(2) nylon brackets

(8) 4-40 x 1/2” screws

(2) brass rudders

(2) brass rudder mounts

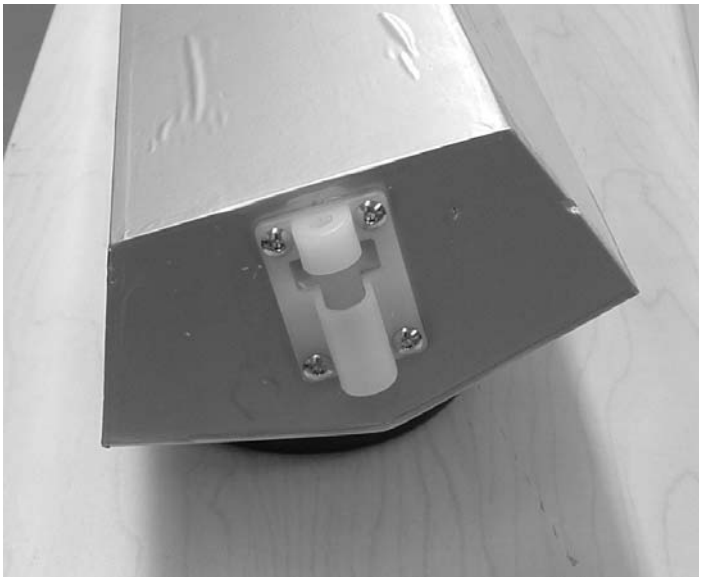
(2) rudder shaft

(2) 4-40 x 3/8” screw

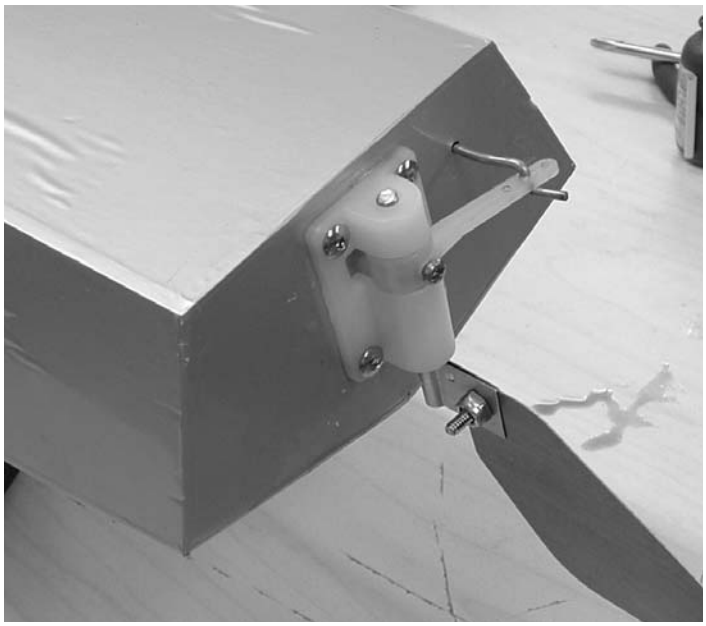
(2) 4-40 nut

(2) steering arms

(2) 2-56 x 24” pushrods



2. ☐ Mount the two water rudder brackets on the rear of the floats using the 4-40 x 1/2” screws. Use lock-tite on the screws.



3. ☐ Assemble the rudder as shown. Bolt the rudder to the mount using the 4-40 bolt and aircraft nut. The bracket should be flush with the bottom of the shaft. Sand the bottom of the shaft and solder the bracket in place.

☐ Insert the shaft into the bracket on the rear of the float.

☐ Locate the 2-56 x 24” pushrod and make a z-bend in the end. Insert the pushrod into the guide tube in the float.

☐ Insert the z-bend into the steering arm and attach the steering arm to the shaft.

4. ☐ Adjust the tension on the mounting screw to allow the rudder to tilt up while sitting on land or if it strikes something.

Servo Mounting

1. ☐ Gather the following items

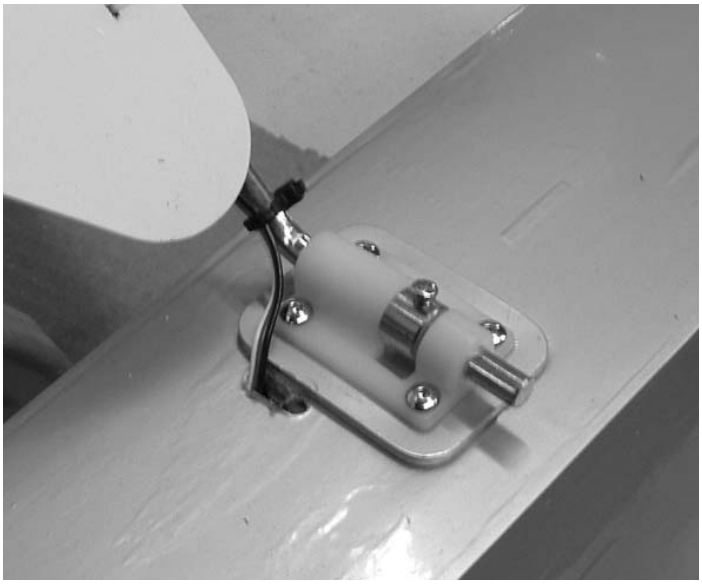
(2) servos

(2) 18” servo extensions

(2) 2-56 metal clevis

2. ☐ Attach a 18” servo extension to each servo.

☐ Mount the two servos in the cutout provided



3. ☐ Let the wire exit the float through a hole just to the rear of the mounting plate.

☐ Use small cable ties (not provided) to attach the wire along the rear landing gear leg on the back side.

. ☐ Make a hole at the top of the gear leg to allow the wire to enter the fuselage.

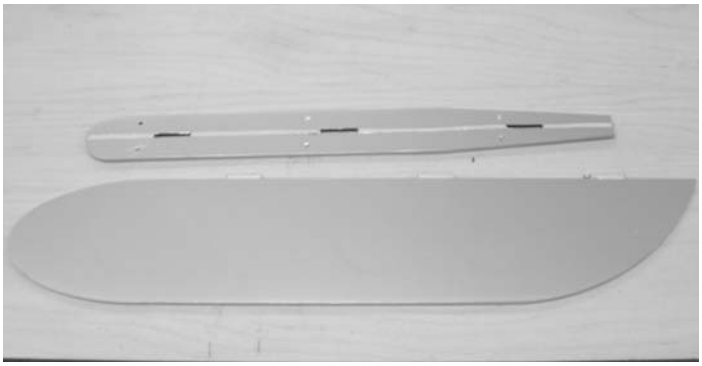
☐ Seal the holes around the wire with sealant.

4. ☐ Attach the clevis to the pushrod and your servo arm.

5. ☐ Seal the servo door with clear tape or a liquid sealer.

   ☐ Mount the door using the four #4 screws.

Fuselage Sub fin



1. ☐ Gather the following items

   (1) Sub fin

   (1) sub fin mounting plate

   (6) #4 x 1/2” screws

1. ☐ Trial fit the fin into the plate and mark the plate on both sides of the fin. Remove the covering inside the lines.
2. ☐ Remove the tail wheel bracket and the bottom flying wires.
3. ☐ Draw a center line down the bottom of the fuselage. Fit the mounting plate flush with the rear of the fuselage and centered on the centerline you drew.
4. ☐ Drill 1/16” holes at the 6 locations and mount plate using the #4 screws.
5. ☐ Replace the flying wires.

5. ☐ Epoxy the sub fin to the mounting plate.

The final item is to measure the width of the floats from center line to center line at the front and back. You can adjust the floats with the wheel collars on the mounts. Get the distance the same so they will both be tracking straight.

Lanier RC

New For Spring 2007!

S.E.5 EP ARF

WWI Fighter Series

NEW!

Street Price: *$89.99*

Wing Span: 38”
Overall Length: 29”
Wing Area: 508 Sq. In.
Flying Weight: 28 oz. (794g)
Engine: Brushless 400
25A Speed Control
Radio: 4 - Channel Radio
4 - Micro Servos

FOKKER D.VII EP ARF

WWI Fighter Series

NEW!

Street Price: *$89.99*

Wing Span: 38¼” Top
32¼” Bottom
Overall Length: 33”
Wing Area: 512 Sq. In.
Flying Weight: 31 - 34 oz
Engine: Brushless 400
25A Speed Control
Radio: 4 - Channel Radio
4 - Micro Servos

NEW!

Also available as a kit!

Shrike 40 ARF™
Wingspan: 43½”
Street Price: *$124.99*
.40-.50 2-Stroke
.48-.70 4-Stroke
#25080

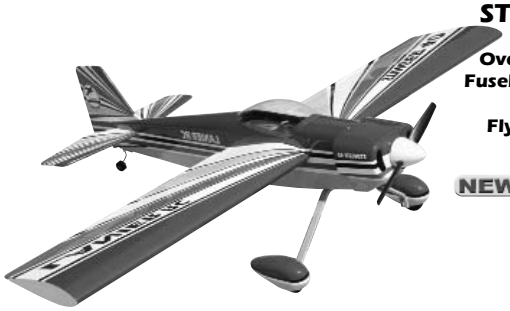
Dart 40 ARF™
Wingspan: 63”
Wing Area: 630 sq. in.
.40-.46 2-Stroke or 4-Stroke
4 Channel Radio
#26090
Street Price: *$199.99*

NEW!

STINGER 40 ARF™

Wing Span: 48″
Overall Length: 46″
Fuselage Length: 34-3/4″
Wing Area: 528 Sq. In.
Flying Weight: 4-3/4 to 5-3/4 lbs.
Engine: .32 to .46 2-Stroke
.40 to .54 4-Stroke
Radio: 4 Channel
4 Servos

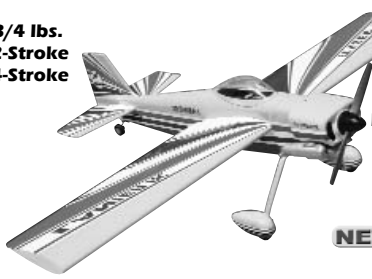
NEW!



Stinger 10 ARF™

Wing Span: 36″
Overall Length: 31″
Fuselage Length: 23-5/8″
Wing Area: 270 Sq. In.
Flying Weight: 2-1/4 to 2-3/4 lbs.
Engine: .09 - .15 2-Stroke
Radio: 4 Channel 4 Servos

NEW!



48” Floats ARF

NEW!

Lanier RC’s 48” scale-style floats make a great option for most any 15 to 25 lbs. airplane.

NEW!

HUSKY 106 ARF

Wing Span: 106″
Overall Length: 71″
Wing Area: 1696 Sq. In.
Flying Weight: 17 to 18 lbs.
Engine: 1.6 to 2.2 2-Stroke
1.2 to 2.2 4-Stroke
20cc to 43cc Gas
Radio: 5 Channel
8 Servos 70 oz. min.

For more information visit us on the web at www.lanierrc.com

P.O. Box 458 Oakwood, Georgia 30566 • Phone 770-532-6401 • Fax 770-532-2163

Lanier RC's 21st Century ARFs™ use the latest manufacturing methods to bring you state of the art Almost Ready to Fly Airplanes. They are 90 percent pre-built and feature built-up wing and fuse expertly covered in premium iron-on covering. All hardware is included; just add your engine, battery and radio equipment and you're ready for the flying field!

Aerobatic ARFs

All wood built-up ARFs with fiberglass cowl, wheel pants and complete hardware package!

87" Extra 330 ARF ARF

Wingspan: 87"
Flying Weight: 16½ - 18 lb.
Engine: 50 - 80cc
#25072

NEW!

Features independent dual servos for each aileron.

Great Aerobatic Flyer!

Street Price: *$499.99*

87" Edge 540 ARF

Wingspan: 87"
Flying Weight: 16½ - 18 lb.
Engine: 50 - 80cc
#25073

NEW!

Street Price: *$499.99*

87" Yak 54 ARF

Wingspan: 87"
Flying Weight: 16½ - 18 lb.
Engine: 50 - 80cc
#25074

NEW!

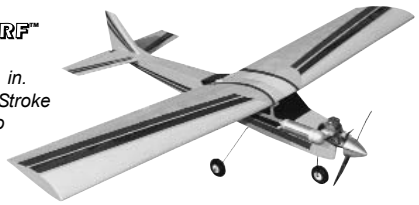
Street Price: *$499.99*

ARF Trainers

All wood built-up ARF with complete hardware package!

Explorer 40 ARF™

Wingspan: 63"
Wing Area: 725 sq. in.
.40-.46 2-Stroke or 4-Stroke
4 Channel Radio
#21255



Street Price: *$99.99*

Warbird ARFs

P-47 Thunderbolt ARF

Wingspan: 55"
.40-.50 2-Stroke
.48-.70 4-Stroke
#21250

Street Price: *$199.99*

F-86 Sabre ARF

Wingspan: 52½"
.40-.47 2-Stroke
#21254

Street Price: *$234.99*

Fiberglass Fuselage

Fiberglass Fuselage

F-4U Corsair ARF

Wingspan: 55"
.40-.47 2-Stroke
.48-.70 4-Stroke
#21249

Street Price: *$204.99*

F-4 Phantom ARF

Wingspan: 47"
.40-.47 2-Stroke
#21248

Street Price: *$204.99*

Fiberglass Fuselage

Fiberglass Fuselage

AT6 Texan ARF

Wingspan: 57"
.40-.47 2-Stroke
#21246

Street Price: *$174.99*

Stinger ARFs™

The Stinger Series is also available as kits!

Stinger 60 ARF™

Wingspan: 60"
.61-.90 2-Stroke
.60-.91 4-Stroke
#21265

Street Price: *$204.99*

All wood built-up ARFs with fiberglass cowl & wheel pants!

NEW!

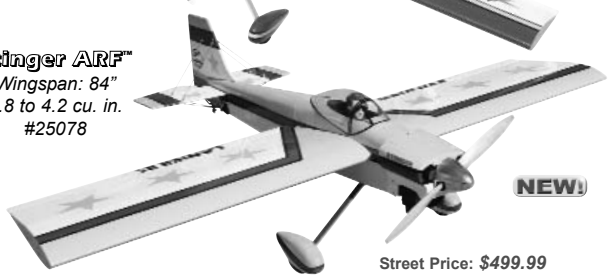
Stinger 120 ARF™

Wingspan: 80"
.91-2.2 2-Stroke
1.20-1.80 4-Stroke
#25079

Street Price: *$399.99*

Stinger ARF™

Wingspan: 84"
1.8 to 4.2 cu. in.
#25078



NEW!

Street Price: *$499.99*

For more information visit us on the web at www.lanierrc.com

Sport ARFs

Both Available in Red, Orange, & Yellow

Mariner 120 ARF™
Wingspan: 80”
.90-1.20 2-Stroke
1.20-1.80 4-Stroke
#21264
Street Price: *$604.99*

Mariner 40 Mk II ARF™
Wingspan: 62”
.40-.46 2-Stroke
Street Price: *$279.99*
#26086 Red
#26087 Yellow
#26088 Orange

Shrike 40 ARF™
Wingspan: 43½”
Street Price: *$124.99*
.40-.50 2-Stroke
.48-.70 4-Stroke
#25080

Also available as a kit!

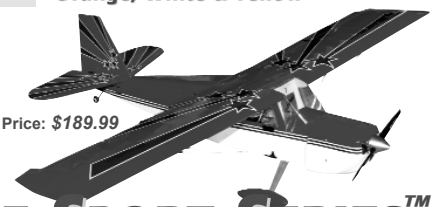
Predator II ARF™
Wingspan: 52”
.40-.46 2-Stroke
#25081 White *#25083 Yellow*
#25082 Red *#25084 Orange*

QUICKIE 500 LEGAL!

Street Price: *$129.99*

Available in Red, Orange, White & Yellow

Citabria 40 ARF
Wingspan: 64”
.40 - .50 2-Stroke
.48-.70 4-Stroke
#21247
Street Price: *$189.99*



Vintage Sport Series™

All wood built-up ARF with complete hardware package!

Dart 40 ARF™
Wingspan: 63”
Wing Area: 630 sq. in.
.40-.46 2-Stroke or 4-Stroke
4 Channel Radio
#26090
Street Price: *$199.99*

Super 3-D Flying™

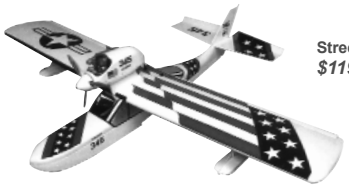
Razor 3-D ARF™
Wingspan: 52”
Overall Length: 54”
Flying Weight: 4½ - 5lb.
.40-.50 2-Stroke
.48-.70 4-Stroke
#23068-01 Red, White, Blue
#23068-02 Red Yellow Black

Street Price: *$209.99*

All wood built-up ARFs with fiberglass cowl & wheel pants!

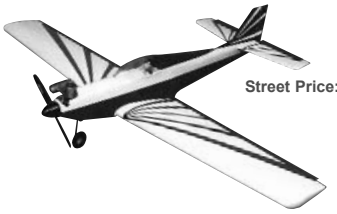
Early ARFs™

Some dating back to the 1970s, these Early ARFs have plastic fuse with sheeted foam wing. Hardware not included.



Street Price: *$119.99*

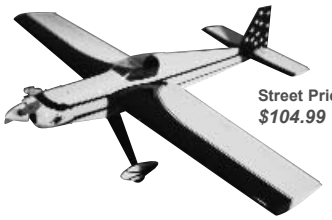
Sea Bird ARF™
Wingspan: 60”
.40 - .60 2-Stroke
.60 - .80 4-Stroke
#87206



Street Price: *$79.99*

Caprice™
Wingspan: 63”
.45 - .60 2-Stroke
.60 - .90 4-Stroke
#74116

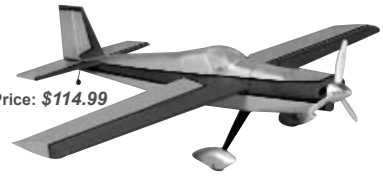
Comet™
Wingspan: 63”
.40 - .60 2-Stroke
.49 - .90 4-Stroke
#74105
Street Price: *$74.99*



Street Price: *$104.99*

Laser
Wingspan: 60”
.45 - .60 2-Stroke
.60 - .91 4-Stroke
#87205

TR-260
Wingspan: 60”
.45 - .60 2-Stroke
.60 - .91 4-Stroke
#91210
Street Price: *$114.99*



For more information visit us on the web at www.lanierrc.com

Free Flight ARFs

Street Price: *$59.99*

RB-1 King Condor™
Wingspan: 74"
Length: 56"
#92211

World's Largest Foam Glider!

Street Price: *$29.99*

U-2 Free Flight Glider™
Wingspan: 74"
Length: 56"
#92213

Electric Tuffy™ Kits

Aero-Tuff 540™ NEW!
Wingspan: 36"
Req. Brushless Motor
#25076

Street Price: *$34.99*

Won't break like foam!

Aero-Tuff 330™
Wingspan: 35½"
Req. Brushless Motor
#25077

NEW!

Street Price: *$34.99*

Giant Scale Kits

Fiberglass Cowl and wheel pants included

Monster Stinger™
Wingspan: 106"
Engine: 100cc - 150cc
#20243
Street Price: *$699.99*

40% Staudacher S600
Wingspan: 122"
Engine: 120cc - 150cc
#20244
Street Price: *$799.99*

40% Edge 540T
Wingspan: 120"
Engine: 120cc - 150cc
#20245
Street Price: *$799.99*

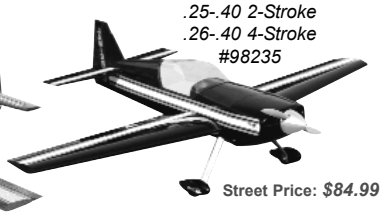
These giant scale birds are lasercut for precision and include fiberglass cowl, wheel pants, canopy, & landing gear. We include computer generated planes and photo instructions for ease of construction. They are very aerobatic and have good slow speed stability.

Aerobatic Kits LASER CUT

Giles 202
Wingspan: 92-3/8"
3.2 - 5.0 2-Stroke
#98232

Street Price: *$364.99*

17.5% Giles 202
Wingspan: 46"
.25-.40 2-Stroke
.26-.40 4-Stroke
#98235



Street Price: *$84.99*

1/4 Scale Taylorcraft
Wingspan: 108" Full
83.5" Clipped
.90 - 1.20 2 Stroke
.91 - 2.2 4-Stroke
#99240

Street Price: *$324.99*

Cap 232
Wingspan: 81"
1.50 - 3.2 2-Stroke
1.60 - 3.0 4-Stroke
#97227

Unlimited Aerobatic Performance

Street Price: *$254.99*

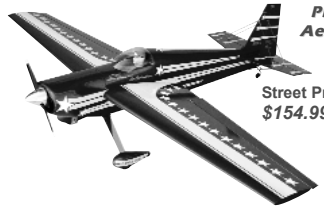
31.5% Staudacher S-300
Wingspan: 96"
3.2 - 5.0 2-Stroke
#98234

Street Price: *$304.99*

31.5% Staudacher S-600
Wingspan: 96"
3.2 - 5.0 2-Stroke
#99237

Tandem aerobatics ace

Street Price: *$309.99*



Precision Aerobatics!

Street Price: *$154.99*

1/4 Scale Extra 300S Kit
Wingspan: 72"
.91-1.8 2-Stroke
1.20-1.84 4-Stroke
#96222

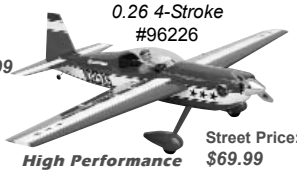
Street Price: *$224.99*

1/4 Scale Laser 200
Wingspan: 72"
.60 - 1.08 2-Stroke
.91 - 1.20 4-Stroke
#93217

Street Price: *$224.99*

1/3 Scale Laser 200
Wingspan: 96"
3.2 - 4.2 2-Stroke
2.4 - 3.0 4-Stroke
#94219

Extra 325 Kit
Wingspan: 47¼"
.19-.32 2-Stroke
0.26 4-Stroke
#96226



Street Price: *$69.99*

High Performance Sport Aerobatics!

Ultimate Pitts Bi-Plane
Wingspan: 60 ¼"
.25-.40 2-Stroke
.26-.40 4-Stroke
#97231

Street Price: *$164.99*

Fully Aerobatic!

Street Price: *$334.99*

1/3 Scale Extra 300S Kit
Wingspan: 102 ½"
3.7-6.4 2-Stroke
3.0 4-Stroke
#95221

For more information visit us on the web at www.lanierrc.com

There are more than 30 different model airplane kits from Lanier RC. Precision lasercut parts and computer generated plans assure performance right from the start. All kits include detailed instructions and feature fast assembly with a minimum of parts. From the 24″ Shrikes™ to the 10′ giant scale birds, each kit is a tested design to satisfy both the craftsman and the pilot in you.

Trainers

LASER CUT

Indicator Kit
Wingspan: 45 ¼"
.049 - .051 2-Stroke
2 Channel Radio
#96224

Street Price: *$39.99*

Super Trainer ST-40
Wingspan: 64 ½"
.32 - .46 2-Stroke
.40 - .56 4-Stroke
4 Channel Radio
#96225

Street Price: *$64.99*

Shrike™ Kits

LASER CUT

1/2 A Shrike™
Wingspan: 24.5"
.049 - .061 2-Stroke
or speed 400
#99236

Street Price: *$34.99*

Shrike 10™
Wingspan: 35 ½"
.10 - .15 2-Stroke
#96223

Street Price: *$39.99*

Shrike 40™
Wingspan: 43.25"
.40 - .46 2-Stroke
#98233

Shrike 40 is also available as an ARF!

Street Price: *$59.99*

Dominator™ Kits

Dominator 200™ Kit
Wingspan: 32"
.049-.061 2-Stroke
#99239

Street Price: *$39.99*

LASER CUT

Street Price: *$174.99*

Street Price: *$59.99*

Dominator 500™ Kit
Wingspan: 52"
.25-.46 2-Stroke
#99238

Dominator 1500™ Kit
Wingspan: 84"
1.8-4.2 2-Stroke
#20241 ***120 - 180 mph racer!***

Quickie 500 legal!

Combat Series™

Open A & SSC Combat

Street Price: *$69.99*

SLASHER™ KIT
Wingspan: 68½"
.25-.30 2-Stroke
#23070

Open B Combat
Street Price: *$74.99*

RIPPER™ KIT
Wingspan: 60½"
.15 2-Stroke
#23069

NEW!
SSC Combat
Street Price: *$79.99*

SSC Combat BF-109 Messerschmitt
Wingspan: 64"
.15 2-Stroke
#25075

NEW!
Street Price: *$79.99*

SSC Combat P-51 Mustang
SSC Combat
Wingspan: 64"
.15 2-Stroke
#25071

1/2A Combat
Wingspan: 48"
.061 2 - stroke
#26089

NEW!
Street Price: *$34.99*

Stinger™ Kits

The Stinger Series is also available in ARFs!

Street Price: *$67.99*

Stinger 10™ Kit
Wingspan: 36"
.09-.15 2-Stroke
#93216

Street Price: *$39.99*

Stinger 40™ Kit
Wingspan: 48"
.32-.46 2-Stroke
.40-.54 4-Stroke
#94218

Stinger 60™ Kit
Wingspan: 60"
.61-.90 2-Stroke
.60-.91 4-Stroke
#95220

Street Price: *$99.99*

Stinger 120™ Kit
Wingspan: 80 ¼" IMAA Legal
72 ¼" Non-IMAA Legal
.91-2.2 2-Stroke
1.20-1.60 4-Stroke
#92215

Stinger™ Kit
Wingspan: 84"
1.8 - 4.2 cu. in.
#90208

Street Price: *$159.99*

Street Price: *$139.99*

Profile Kits

Pro-Cub™ Kit
Wingspan: 50¼"
.32-.46 2-Stroke
.40-.56 4-Stroke
#97228

Street Price: *69.99*

Pro-Twister™ Kit
Wingspan: 41½"
.32-.46 2-Stroke
.40-.56 4-Stroke
#97229

Street Price: *69.99*

Double Trouble™ Kit
Wingspan: 54"
.32-.46 2-Stroke
.40-.56 4-Stroke
#97230

Street Price: *69.99*

LASER CUT

For more information visit us on the web at www.lanierrc.com

Carl Goldberg Products

P.O. Box 818 Oakwood GA 30566 Phone #678-450-0085 Fax # 770-532-2163 www.carlgoldbergproducts.com

What's New For Spring 2007!

67" Edge 540 ARF

WING SPAN: 67"
OVERALL LENGTH: 64"
WING AREA: 864 Sq. In.
FLYING WEIGHT: 8 to 9 lbs.
ENGINE: .60 to .90 2-Stroke
RADIO: .90 to 1.20 4-Stroke
4 - Channel
6 - Servos

67" Edge 540 ARF #12046

SKYLARK 70 MARK II ARF

Wing Span: 70½"
Overall Length: 60"
Wing Area: 907 Sq. In.
Flying Weight: 7½ to 8¼ lbs.
Engine: .45-.65 2-Stroke
.65-.80 4-Stroke
Radio: 4 - Channel Radio
5 - Servos (54oz. Min)

Skylark 70 ARF #12093

Classic Skylane 62 ARF

The Goldberg Classic Skylane 62 is back and available as an ARF. Features flaps, wing struts, and complete hardware package.

WING SPAN: 62"
LENGTH: 50"
WING AREA: 537 Sq. In.
FLYING WEIGHT: 5½ to 6½ lbs.
ENGINE: .40 to .46 2-Stroke
RADIO: 5 - Channel
7 - Servos

#12092Classic Skylane 62 ARF

FALCON 56 MARK II ARF

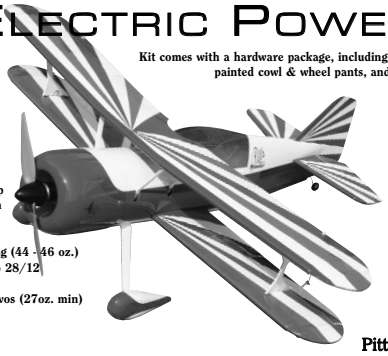
Wingspan: 56 Inches
Overall Length: 47¼ Inches
Wing Area: 558 Square Inches
Power: .40-.46 2-St roke
.40 4-Stroke
Radio: 4 - Channel 4 - Servos

Falcon 56 ARF #12050

PITTS MONSTER EP ARF

Electric Power

Kit comes with a hardware package, including landing gear, wheels, painted cowl & wheel pants, and tinted canopy.



Wingspan: 38 Inches Top
36½" Bottom
Overall Length: 35 Inches
Wing Area: 447 Sq. In.
Flying Weight: 1346g - 1408g (44 - 46 oz.)
Power: AXI 18/10 to 28/12
Radio: 4 - Channel
4 - Micro Servos (27oz. min)

Pitts 400 ARF #12026

67" Yak 54 ARF

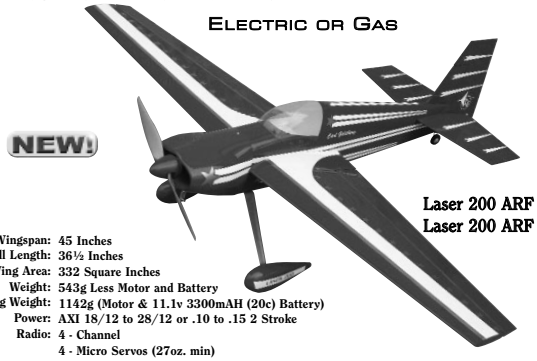
The 67" Yak 54 ARF's double beveled enlarged control surfaces and airfoiled tailgroup provide outstanding flight characteristics.

WING SPAN: 67"
LENGTH: 64.5"
WING AREA: 883 Sq. In.
FLYING WEIGHT: 8 to 9 lbs.
ENGINE: .60 to .90 2-Stroke
.90 to 1.20 4-Stroke
RADIO: 5 - Channel
6 - Servos

67" Yak 54 ARF #12044

LASER 200 EP ARF

Electric or Gas



Laser 200 ARF #12019 Red
Laser 200 ARF #12020 Blue

Wingspan: 45 Inches
Overall Length: 36½ Inches
Wing Area: 332 Square Inches
Weight: 543g Less Motor and Battery
Flying Weight: 1142g (Motor & 11.1v 3300mAH (20c) Battery)
Power: AXI 18/12 to 28/12 or .10 to .15 2 Stroke
Radio: 4 - Channel
4 - Micro Servos (27oz. min)

Protégé ARF™

Protege ARF #12058

Wingspan: 71½ Inches
Overall Length: 65-3/4 Inches
Wing Area: 890 Square Inches
Flying Weight: 7½ to 8 lbs.
Power: .45 - .65 2-Stroke
.65 - .80 4-Stroke
Radio: 4 - Channel
5 - Servos 54 oz. Min

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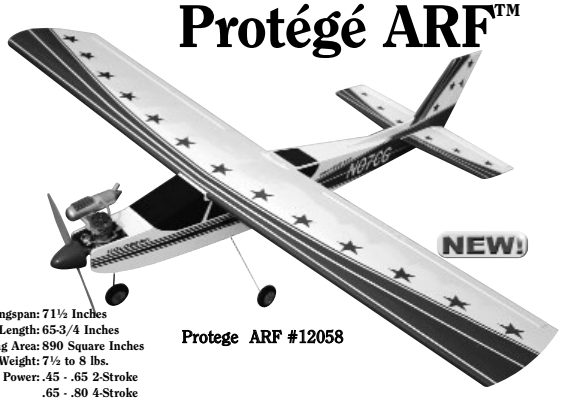
P.O. Box 818 Oakwood GA 30566 Phone #678-450-0085 Fax # 770-532-2163

Trainer ARF's That only 40 Years Experience can make!

Protégé ARF™



Wingspan: 71½ Inches
Overall Length: 65-3/4 Inches
Wing Area: 890 Square Inches
Flying Weight: 7½ to 8 lbs.
Power: .45 - .65 2-Stroke
.65 - .80 4-Stroke
Radio: 4 - Channel
5 - Servos 54 oz. Min

Protege ARF #12058

The Protégé ARF is built with the quality craftsmanship you expect from an experienced builder. The two piece bolt-on wing with aluminum wing tube and bolt-on stabilizer lets you easily transport to the flying field. We've also included a complete hardware package including pushrods, fuel tank, & wheels. This 90% prebuilt ARF has an all-wood airframe, jig built from lasercut parts, to ensure accurate and lightweight construction and a great color scheme from premium iron on covering. Get yours today and be at the field in no time.

FALCON 56 ARF MARK II

Wingspan: 56 Inches
Overall Length: 47½ Inches
Wing Area: 558 Square Inches
Power: .40-46 2-St roke
.40 4-Stroke
Radio: 4 - Channel 4 - Servos

Falcon 56 ARF #12050

More people have successfully learned to fly RC on the Falcon 56™ than any other trainer in history. Now the Falcon 56 Mark II ARF™ will have you in the sky in no time. Light loading and smooth-transitioning aerodynamics put things in slow motion for beginners, while its semi-symmetrical airfoil rewards experienced flyers with graceful aerobatics. Carl Goldberg's Falcon 56 Mark II ARF is built with the quality craftsmanship you expect from an experienced builder. This 90% pre-built ARF has an all-wood airframe, jig built from lasercut parts, to ensure accurate and lightweight construction. We've included a complete hardware package, plastic canopy, and a great color scheme from premium iron on covering.

EAGLE 2™ & EAGLE 2 ARF™

Tens of thousands of new pilots have earned their wings on the Goldberg Eagle. And this Eagle 2 ARF has the same great features as the Eagle 2 – quality construction, first class hardware, and terrific flight characteristics. Its outstanding design and aero-dynamics provide super stability, smooth ground handling and take-offs, enhanced climb-to-glide transitions, and slow-as-a-walk landings. The only difference between the Eagle 2 and this ARF version is that this one gets you to the field quicker.

Anniversary Edition™ Piper Cub ARF

Two great color schemes to choose from; Classic Yellow Cub or Red, White & Blue!

WING SPAN: 76½"
WING AREA: 744 Sq. In.
LENGTH: 50 ¼"
WEIGHT: 7 to 7½ LBS.
POWER: .40-.61 2 Stroke
.40-.90 4 Stroke
RADIO: 4 Chan 5 Servo

Now available as an ARF or a kit!

Classic Yellow ARF #12063
Red, White, & Blue ARF #12064
Anniversary Edition™ Kit #63

Designed with the same great qualities that were admired in our original Cub kit, the Anniversary Edition™ Piper Cub ARF is a scale-like floater that maneuvers great and lands nice and easy. It makes an excellent first sport-scale ARF or just a fun plane to fly for any advanced pilot.

SR. FALCON ARF™

WING SPAN: 69"
WING AREA: 810 Sq. In.
LENGTH: 53"
WEIGHT: 6-7 LBS.
POWER: .40-.46 2 Stroke
RADIO: 4 Chan 5 Servo

ARF #12086

The history making Sr. Falcon ARF™ is a sharp, sport airplane built from the blueprints of the classic Sr. Falcon kit. Back in the 60s & 70s, the Sr. Falcon™ was a 60 size airplane. With today's engine technology, the Sr. Falcon performs better than ever with most 40 size engines. For true tracking, smooth control response and predictability, nothing has ever topped the Sr. Falcon. Its light loading puts things in slow motion for beginners, but its semi-symmetrical airfoil and airfoil tailgroup lets flyers stretch out with surprisingly agile aerobatic performance. Just like the original kit, an all wood built up wing and airframe helps keep the Sr. Falcon lightweight. In addition, our modern 90% prebuilt ARF is covered in premium iron-on covering and includes a complete hardware package.

Classic Skylane 62 ARF

The Goldberg Classic Skylane 62 is back and available as an ARF. Features flaps, wing struts, and complete hardware package.

WING SPAN: 62"
LENGTH: 50"
WING AREA: 537 Sq. In.
FLYING WEIGHT: 5½ to 6½ lbs.
ENGINE: .40 to .46 2-Stroke
RADIO: 5 - Channel
7 - Servos

#12092Classic Skylane 62 ARF

The Heritage Series Skylane 62 ARF is built from the blueprints of the classic kit version that dates back to the early 60s. For decades the Goldberg Skylane 62 was a favorite among new pilots and veterans alike.
With its slow stable flight characteristics, the Heritage Series Skylane 62 ARF is great for this generations beginner. And when you're ready for something more, its airfoiled stab, shallow dihedral and flaps make it great for the more advanced pilot.
Just like from the past, the Heritage Series Skylane 62 ARF features strong construction, and great flight performance. Its easy wing and strut mounting make it a great "everyday" airplane to take to the flying field. Inside the box you'll also find airfoiled shaped struts, clear plastic windows & windshield, and a complete hardware package. Like all Goldberg ARFs, the Heritage Series Skylane 62 ARF is 90% prebuilt and finished with premium iron-on covering.

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P.O. Box 818 Oakwood GA 30566 Phone #678-450-0085 Fax # 770-532-2163

Great Flying ARF's for Everybody!

SR. FALCON ARF™

WING SPAN: 69"
WING AREA: 810 Sq. In.
LENGTH: 53"
WEIGHT: 6-7 LBS.
POWER: .40-.46 2 Stroke
RADIO: 4 Chan 5 Servo

ARF #12086

SKYLARK 56 MARK II ARF ™

WING SPAN: 56"
WING AREA: 558 Sq. In.
LENGTH: 47 3/4"
WEIGHT: 5-6 LBS.
POWER: .40-.46 2 Stroke
RADIO: 4 Chan 5 Servo

ARF #12085

Classic Skylane 62 ARF

The Goldberg Classic Skylane 62 is back and available as an ARF. Features flaps, wing struts, and complete hardware package.

NEW!

WING SPAN: 62"
LENGTH: 50"
WING AREA: 537 Sq. In.
FLYING WEIGHT: 5½ to 6½ lbs.
ENGINE: .40 to .46 2-Stroke
RADIO: 5 - Channel
7 - Servos

#12092Classic Skylane 62 ARF

SKYLARK 70 MARK II ARF

NEW!

Wing Span: 70½"
Overall Length: 60"
Wing Area: 907 Sq. In.
Flying Weight: 7½ to 8¼ lbs.
Engine: .45-.65 2-Stroke
.65-.80 4-Stroke
Radio: 4 - Channel Radio
5 - Servos (54oz. Min)

Skylark 70 ARF #12093

Tiger 120 ARF™

NEW!

WING SPAN: 80 Inches
OVERALL LENGTH: 72 Inches
WING AREA: 1143 Square Inches
FLYING WEIGHT: 10½ to 11½ lbs.
ENGINE: .75-1.08 2-Stroke
.91-1.20 4-Stroke
RADIO: 5 - Channel Minimum
8 - Servos

Tiger 120 ARF™ #12077

Anniversary Edition™ Piper Cub ARF

Two great color schemes to choose from; Classic Yellow Cub or Red, White & Blue!

NEW!

WING SPAN: 76½"
WING AREA: 744 Sq. In.
LENGTH: 50 ¼"
WEIGHT: 7 to 7½ LBS.
POWER: .40-.61 2 Stroke
.40-.90 4 Stroke
RADIO: 4 Chan 5 Servo

Now available as an ARF or a kit!

Classic Yellow ARF #12063
Red, White, & Blue ARF #12064
Anniversary Edition™ Kit #63

Designed with the same great qualities that were admired in our original Cub kit, the Anniversary Edition™ Piper Cub ARF is a scale-like floater that maneuvers great and lands nice and easy. It makes an excellent first sport-scale ARF or just a fun plane to fly for any advanced pilot.

Decathlon ARF

Decathlon ARF #12069

It's easy to see why the Decathlon is a leader among aerobatic champions: clean lines, long tail moment, and a wing design that performs like no other. From knife edge to split S, lumcevac to torque roll, and snap roll loop to ground-hugging inverted flight – all are straight and true. What's more, the 80" wingspan makes this a perfect IMAA competitor.

Gentle Lady™ & Gentle Lady ARF™

Gentle Lady Kit #60
Gentle Lady ARF #12060

Wing Span 78 ¼"
Length 41"
Weight 22-25 oz
For 2 - Channel Radio and Tow, Slop, or .049-.10 engine

The Gentle Lady is now an ARF!

Now you don't have to spend the time to build the kit. Goldberg's Gentle Lady - is possibly America's favorite beginner glider ever since it's introduction in the 1980's. You've certainly watched one, possibly piloted one. There's even a good chance you've built and flew the heck out of it for years.

The Tiger Family

The Tiger 2 ARF™

THE TIGER 2

Wingspan: 61"
Wing Area: 680 Sq."
Length: 54"
Flying Weight: 4.75 to 5.25 lbs.
Power: .40 - .45 2-cycle
.40 - .50 4-cycle

Tiger 2 Kit #66
Tiger 2 ARF #12066

Tiger 60 Kit #68
Tiger 60 Deluxe Kit #62 (With Retracts)
Tiger 60 ARF #12068

Wingspan: 70"
Wing Area: 855 Sq."
Length: 62¼"
Flying Weight: 7.5 lbs.
Power: .45 - .65 2-cycle
.65 - .80 4-cycle

The Tiger 60 ARF™

The Tiger 2™ and Tiger 60™ are also available as a kit!

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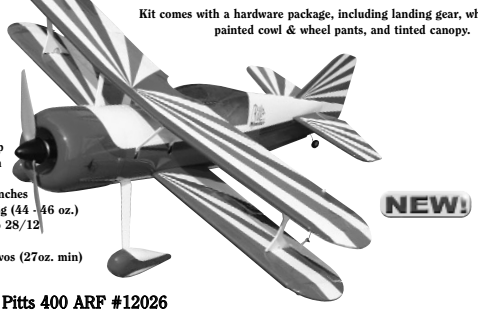
The ELECTRIC POWER ARF Series From Carl Goldberg Products!

Electric ARF's Made Simple!

PITTS MONSTER EP ARF

ELECTRIC POWER

Kit comes with a hardware package, including landing gear, wheels, painted cowl & wheel pants, and tinted canopy.



NEW!

Wingspan: 38 Inches Top
36½" Bottom
Overall Length: 35 Inches
Wing Area: 447 Square Inches
Flying Weight: 1346g - 1408g (44 - 46 oz.)
Power: AXI 18/10 to 28/12
Radio: 4 - Channel
4 - Micro Servos (27oz. min)

Pitts 400 ARF #12026

LASER 200 EP ARF

ELECTRIC OR GAS

Laser 200 ARF #12019 Red
Laser 200 ARF #12020 Blue

Wingspan: 45 Inches
Overall Length: 36½ Inches
Wing Area: 332 Square Inches
Weight: 543g Less Motor and Battery
Flying Weight: 1142g (Motor & 11.1v 3300mAH (20c) Battery)
Power: AXI 18/12 to 28/12 or .10 to .15 2 Stroke
Radio: 4 - Channel
4 - Micro Servos (27oz. min)

TIGER 400 ARF

Wing Span 39"
Wing Area 297 Sq. In.
Includes 400 Motor w/ Gear Drive
4–Channel 4-Micro Servos

ARF #12081

Great 2nd Electric! Perfect for Intermediate & Expert Flyers! 400 Motor and Gear Drive Included.

EAGLE 400 ARF

Goldberg's Legendary Trainer is now electric! Includes 400 Motor and Geardrive.

ARF #12080

Wing Span: 38"
Wing Area: 254 Sq. In.
Includes 400 Motor w/ Gear Drive
4–Channel 3-Micro Servos

Super CHIPMUNK 400 ARF

Wing Span 38"
Wing Area 230 Sq. In.
Requires Brushless Motor
4–Channel 4-Micro Servos

NEW!

ARF #12023

SHOCK 3-D ARF

Wing Span 39¼"
Wing Area 318½ Sq. In.
Requires Brushless Motor
4–Channel 4-Micro Servos

ARF #12087

Ultra Lightweight with oversized control surfaces for amazing Extreme 3-D flight! For Expert Flyers.

SURGE 400 ARF

NEW!

ARF #12024

Wing Span 30"
Wing Area 300 Sq. In.
Requires Brushless Motor
4 or 5–Channel 6-Micro Servos

HUSKY 400 ARF

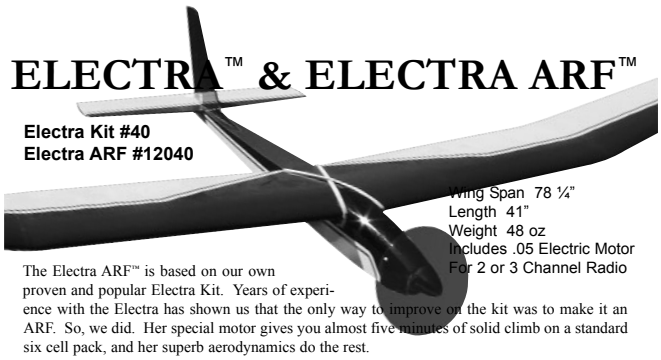
ARF #12042

NEW!

Wing Span 37 3/4"
Wing Area 217 Sq. In.
Requires Brushless Motor
5–Channel 6-Micro Servos

ELECTRA™ & ELECTRA ARF™

Electra Kit #40
Electra ARF #12040



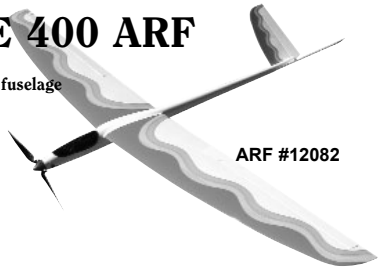
Wing Span 78 ¼"
Length 41"
Weight 48 oz
Includes .05 Electric Motor
For 2 or 3 Channel Radio

The Electra ARF™ is based on our own proven and popular Electra Kit. Years of experience with the Electra has shown us that the only way to improve on the kit was to make it an ARF. So, we did. Her special motor gives you almost five minutes of solid climb on a standard six cell pack, and her superb aerodynamics do the rest.

ENDURANCE 400 ARF

Includes folding prop & spinner
Features lightweight fiberglass fuselage & V-Tail configuration.

Wing Span: 62-3/8"
Includes 400 Motor w/ With Orbital Gear Drive
4–Channel 3-Micro Servos



ARF #12082

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P.O. Box 818 Oakwood GA 30566 Phone #678-450-0085 Fax # 770-532-2163

Aerobatic ARF's for all flying skills

67" Yak 54 ARF

The 67" Yak 54 ARF's double beveled enlarged control surfaces and airfoiled tailgroup provide outstanding flight characteristics.

WING SPAN: 67"
LENGTH: 64.5"
WING AREA: 883 Sq. In.
FLYING WEIGHT: 8 to 9 lbs.
ENGINE: .60 to .90 2-Stroke
.90 to 1.20 4-Stroke
RADIO: 5 - Channel
6 - Servos

NEW!

67" Yak 54 ARF #12044

77" Yak 54 ARF

WING SPAN: 77"
LENGTH: 72"
AREA: 1139 Sq. In.
WEIGHT: 13-14 lbs.
ENGINE: 1.20-2.2 2-cycle
1.20-1.80 4-cycle
1.2-2.4 Gas
RADIO: 4 - Channel Min.
8 - Servos

77" Yak 54 ARF #12043

NEW!

67" Edge 540 ARF

NEW!

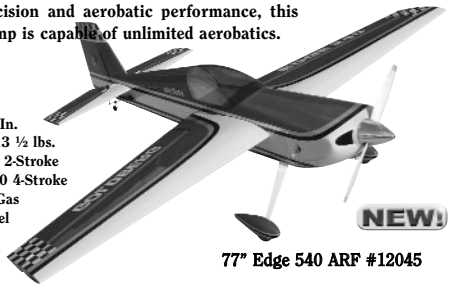
WING SPAN: 67"
OVERALL LENGTH: 64"
WING AREA: 864 Sq. In.
FLYING WEIGHT: 8 to 9 lbs.
ENGINE: .60 to .90 2-Stroke
RADIO: .90 to 1.20 4-Stroke
4 - Channel
6 - Servos

67" Edge 540 ARF #12046

77" Edge 540 ARF

The perfect mix of precision and aerobatic performance, this lightweight airshow champ is capable of unlimited aerobatics.

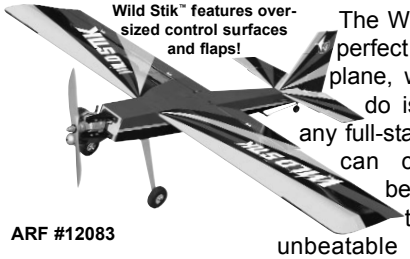
WING SPAN: 77"
LENGTH: 74"
WING AREA: 1139 Sq. In.
FLYING WEIGHT: 12 ½ to 13 ½ lbs.
ENGINE: 1.20 - 2.2 2-Stroke
RADIO: 1.20 - 1.80 4-Stroke
1.2 - 2.4 Gas
4 - Channel
8 - Servos



NEW!

77" Edge 540 ARF #12045

Wild Stik 40 ARF™



Wild Stik™ features oversized control surfaces and flaps!

ARF #12083

The Wild Stik 40 ARF is the perfect no hassle 3-D airplane, when all you want to do is fly. It's capable of any full-stall, 3-D maneuver you can command. Double beveled oversized control surfaces deliver unbeatable aerobatic performance. You can engage the oversized flaps to increase lift at just the right time for critical slow speed maneuvers, execute enhanced flight configurations using them in conjunction with ailerons & elevators, or set them up as extensions of your ailerons for added throws.

Wing Span: 52½"
Wing Area: 728 Sq. In.
Length: 44"
Weight: 4-3/4 lbs.
Power: .40-.50 2-Stroke
.50-.70 4-Stroke
Radio: 4 or 5 - Chan.
7 - Servos

77" Extra 330 ARF

WINGSPAN: 77"
WING AREA: 1118 SQ. IN.
LENGTH: 67½"
WEIGHT: 13-14 LBS.
POWER: 1.20-1.80 2-Stroke
1.20-2.2 4-Stroke
RADIO: 4 CHAN
8 SERVOS

EXTRA 330 ARF #12041

Wild Stik 120 ARF™

The Wild Stik 120 ARF™ is a great no fuss airplane. This 1.20 size aerobatic champ is capable of any full-stall, thrust-vectored maneuvers you can command. Double beveled oversized control surfaces deliver unbeatable aerobatic performance. You can engage the oversized flaps to increase lift at just the right time for critical slow speed maneuvers or execute enhanced flight configurations using them in conjunction with ailerons. Like all Goldberg ARFs, the Wild Stik 120 ARF is 90% pre-built and features top-quality hardware.

ARF #12084

Wing Span: 71"
Wing Area: 1315 Sq. In.
Length: 44"
Weight: 9 - 9½ lbs.
Power: .91 - 1.60 2-Stroke
.91 - 1.80 4-Stroke
Radio: 4 or 5 - Chan.
8 - Servos

Hot Stik 40 ARF™

This low wing ARF is capable of any maneuvers you can command. Features flaps and aluminum landing gear.

Great easy-to-track florescent color scheme!

WING SPAN: 52"
LENGTH: 51"
WING AREA: 725 Sq. In.
FLYING WEIGHT: 4-1/4 to 4-3/4 lbs.
ENGINE: .40-.46 2-Stroke
RADIO: 4 - Channel
7 - Servos

Hot Stik 40 ARF #12091

NEW!

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It's easy to see why the Decathlon is a leader among aerobatic champions: clean lines, long tail moment, and a wing design that performs like no other. From knife edge to split S, lumcevac to torque roll, and snap roll loop to ground-hugging inverted flight – all are straight and true. What's more, the 80" wingspan makes this a perfect IMAA competitor.

THE ULTIMATE 10 DASH 300

WINGSPAN: 54"
WING AREA: 980 Sq. In.
LENGTH: 57½"
WEIGHT: 7½-8½ Lbs.
POWER: .60 2-cycle
.90-1.20 4-cycle

Available as a Kit or ARF!

Ultimate 10 Dash 300 Kit #53
Ultimate 10 Dash 300 ARF #12053

Nothing flys like a Goldberg Ultimate – except this Ultimate ARF. Frankly, even we are amazed at how exactly the flight characteristics of this almost–ready–to–fly match the kit version. It's just as straight–tracking and docile, when you want it to be. But turn it loose and you'll thrill to its phenomenal knife–edge capability, on–the–button snaps, and long, smooth slow rolls. And when you're ready to return to earth, you can count on its slow–as–a–walk, feather–soft landings.

Planes from Goldberg's Past Returns as ARF's!

Classic Skylane 62 ARF

The Goldberg Classic Skylane 62 is back and available as an ARF. Features flaps, wing struts, and complete hardware package.

WING SPAN: 62"
LENGTH: 50"
WING AREA: 537 Sq. In.
FLYING WEIGHT: 5½ to 6½ lbs.
ENGINE: .40 to .46 2-Stroke
RADIO: 5 - Channel
7 - Servos

#12092Classic Skylane 62 ARF

SKYLARK 56 MARK II ARF ™

WING SPAN: 56"
WING AREA: 558 Sq. In.
LENGTH: 47 3/4"
WEIGHT: 5-6 LBS.
POWER: .40-.46 2 Stroke
RADIO: 4 Chan 5 Servo

ARF #12085

SKYLARK 70 MARK II ARF ™

Wing Span: 70½"
Overall Length: 60"
Wing Area: 907 Sq. In.
Flying Weight: 7½ to 8¼ lbs.
Engine: .45-.65 2-Stroke
.65-.80 4-Stroke
Radio: 4 - Channel Radio
5 - Servos (54oz. Min)

Skylark 70 ARF #12093

The Skylark 70 Mark II ARF™ is a sharp, sport airplane inspired from the blueprints of the classic Skylark kit. Just like its smaller counterpart, the Skylark 70 Mark II ARF features strong construction, and great flight performance. Our modern 90% prebuilt ARF is covered in premium iron-on covering and includes a complete hardware package. If you want a fun-to-fly ship with pattern capability, the Skylark 70 Mark II ARF™ is the one for you!

SR. FALCON ARF™

WING SPAN: 69"
WING AREA: 810 Sq. In.
LENGTH: 53"
WEIGHT: 6-7 LBS.
POWER: .40-.46 2 Stroke
RADIO: 4 Chan 5 Servo

ARF #12086

FALCON 56 ARF MARK II ™

Wingspan: 56 Inches
Overall Length: 47⅛ Inches
Wing Area: 558 Square Inches
Power: .40-.46 2-St roke
.40 4-Stroke
Radio: 4 - Channel 4 - Servos

Falcon 56 ARF #12050

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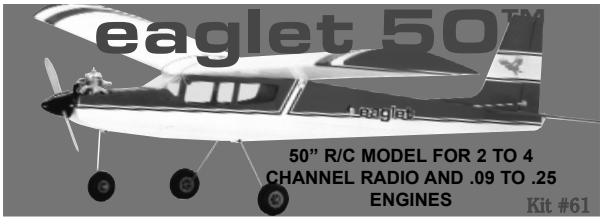
Carl Goldberg Products
Classic Kits

Trainer kits that are as easy to build as they are to

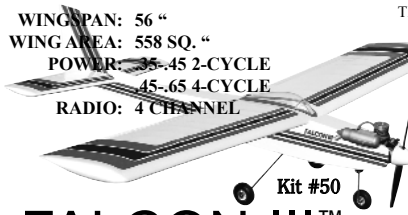


The EAGLET 50 is designed for really easy building. Assembling the parts is simple and accurate and surprisingly fast - even if you've never built a model before. The photo instruction booklet shows you one easy step at a time. With the full-size plan, you see exactly where everything goes, and in a few evenings you're done. In the air, EAGLET 50 is gentle enough for the novice, yet sporty for the experienced flyer. Throttled back, it flies slowly and stably - wide open it scoots and stunts! And it's tough, because it's mostly laser cut plywood and hardwoods. Pick one up today and get ready for some real fun!

Even if you're an inexperienced builder, assembling your Freedom 20 will be a breeze.You'll work with self-aligning components of laser-cut balsa and cnc cut plywood. All the fittings and hardware you'll need are included, plus you'll be guided by clearly-illustrated, easy-to-follow plans and instructions.

WINGSPAN: 71.5"
WING AREA: 890 SQ."
FLYING WEIGHT: 7.0-7.75 LBS.
POWER: .40-.60 2-CYCLE
.65-.80 4-CYCLE

The Protégé is more than just a great trainer, it's the first trainer actually designed to keep pace with your piloting progress. It's force arrangement and raised-entry, flat-bottomed airfoil produce the perfect degree of inherent stability for predictable, confidence-building first flights. Then, as your skills improve, simple adjustments transform your Protégé into a gently responsive sport model capable of all the primary maneuvers - including outside loops.



WINGSPAN: 56 "
WING AREA: 558 SQ. "
POWER: .35-.45 2-CYCLE
.45-.65 4-CYCLE
RADIO: 4 CHANNEL

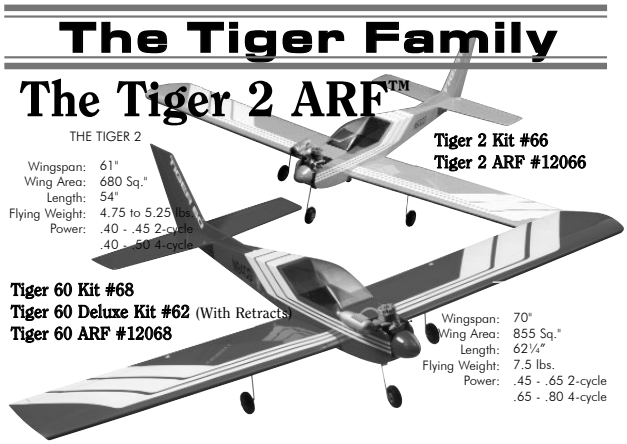
FALCON III™

The modern version of the plane that revolutionized RC sport flying! Light loading and smooth–transitioning aerodynamics put things in slow motion for beginners, while its semi–symmetrical airfoil rewards experienced flyers with graceful aerobatics. Balsa–and–ply interlocking construction guarantees true–tracking performance.

Tens of thousands of new pilots have earned their wings on the Goldberg Eagle. And this Eagle 2 ARF has the same great features as the Eagle 2 – quality construction, first class hardware, and terrific flight characteristics. Its outstanding design and aero-dynamics provide super stability, smooth ground handling and take-offs, enhanced climb-to-glide transitions, and slow-as-a-walk landings. The only difference between the Eagle 2 and this ARF version is that this one gets you to the field quicker.

Great Sunday fliers that are a the next step above a trainer!

The Tiger Family



The Tiger 2 ARF™

THE TIGER 2

Wingspan: 61"
Wing Area: 680 Sq."
Length: 54"
Flying Weight: 4.75 to 5.25 lbs.
Power: .40 - .45 2-cycle
.40 - .50 4-cycle

Tiger 2 Kit #66
Tiger 2 ARF #12066

Tiger 60 Kit #68
Tiger 60 Deluxe Kit #62 (With Retracts)
Tiger 60 ARF #12068

Wingspan: 70"
Wing Area: 855 Sq."
Length: 62¼"
Flying Weight: 7.5 lbs.
Power: .45 - .65 2-cycle
.65 - .80 4-cycle

Anniversary Edition™
Piper Cub ARF

Two great color schemes to choose from; Classic Yellow Cub or Red, White & Blue!

NEW!

WING SPAN: 76½"
WING AREA: 744 Sq. In.
LENGTH: 50 ¼"
WEIGHT: 7 to 7½ LBS.
POWER: .40-.61 2 Stroke
.40-.90 4 Stroke
RADIO: 4 Chan 5 Servo

Classic Yellow ARF #12063
Red, White, & Blue ARF #12064
Anniversary Edition™ Kit #63

Now available as an ARF or a kit!

Designed with the same great qualities that were admired in our original Cub kit, the Anniversary Edition™ Piper Cub ARF is a scale-like floater that maneuvers great and lands nice and easy. It makes an excellent first sport-scale ARF or just a fun plane to fly for any advanced pilot.

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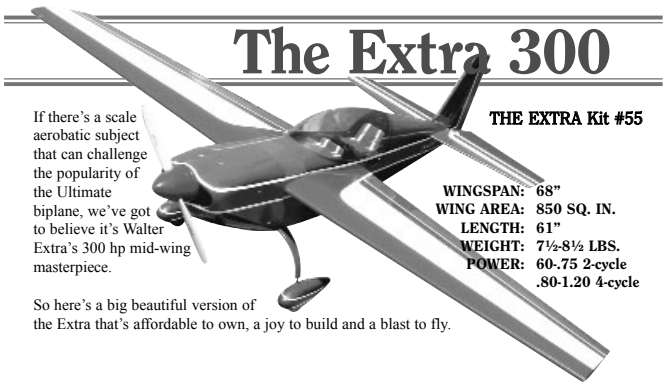
P.O. Box 818 Oakwood GA 30566 Phone #678-450-0085 Fax # 770-532-2163

Unlimited Aerobatics!

The Extra 300



If there's a scale aerobatic subject that can challenge the popularity of the Ultimate biplane, we've got to believe it's Walter Extra's 300 hp mid-wing masterpiece.

So here's a big beautiful version of the Extra that's affordable to own, a joy to build and a blast to fly.

THE EXTRA Kit #55

WINGSPAN: 68"
WING AREA: 850 SQ. IN.
LENGTH: 61"
WEIGHT: 7½-8½ LBS.
POWER: 60-.75 2-cycle
.80-1.20 4-cycle

SUPER CHIPMUNK!

Super Chipmunk Kit #52

WINGSPAN: 64"
WING AREA: 688 SQ."
FLYING WEIGHT: 6-8 lbs.
LENGTH OVERALL: 53"
POWER: .45-.60 2-CYCLE
.60-.90 4 CYCLE

At last there's a sport-scale Super Chipmunk that's as practical as it is good-looking. With a .45 to .51 two cycle - or a .60 four-cycle, the CG Super Chipmunk is a dandy Sunday flyer with the kind of smoothness and stability that makes it a great choice as a first "low winger." Or bolt in a .60 two-cycle - or an .80 to .90 four-cycle, and you'll be able to put on your own airshow.

THE ULTIMATE 10 DASH 300

WINGSPAN: 54"
WING AREA: 980 Sq. In.
LENGTH: 57½"
WEIGHT: 7½-8½ Lbs.
POWER: .60 2-cycle
.90-1.20 4-cycle

Available as a Kit or ARF!

Ultimate 10 Dash 300 Kit #53
Ultimate 10 Dash 300 ARF #12053

Nothing flys like a Goldberg Ultimate – except this Ultimate ARF. Frankly, even we are amazed at how exactly the flight characteristics of this almost–ready–to–fly match the kit version. It's just as straight–tracking and docile, when you want it to be. But turn it loose and you'll thrill to its phenomenal knife–edge capability, on–the–button snaps, and long, smooth slow rolls. And when you're ready to return to earth, you can count on its slow–as–a–walk, feather–soft landings.

Kits for the fun of it!

SUPERFLOATS 36 ARF™

Includes all mounting hardware for the Anniversary Edition™ Piper Cub ARF.

Ready to install with pre-covered built-up pontoon floats.

Fits most 6 to 9 pound airplanes with very little modification.

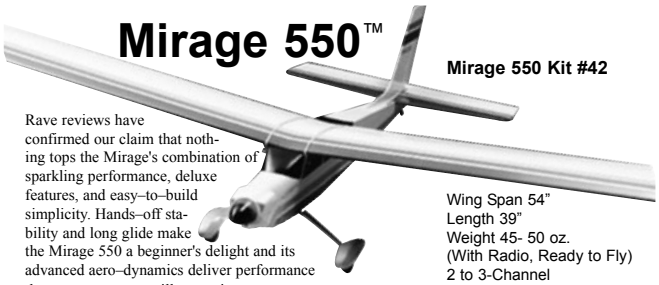
Also available as a kit!

NEW!

Superfloats ARF™ #12296
Supterfloats™ Kit #296

Kits for the Quiet side of flying!

Mirage 550™



Mirage 550 Kit #42

Rave reviews have confirmed our claim that nothing tops the Mirage's combination of sparkling performance, deluxe features, and easy–to–build simplicity. Hands–off stability and long glide make the Mirage 550 a beginner's delight and its advanced aero–dynamics deliver performance that even an expert will appreciate.

Wing Span 54"
Length 39"
Weight 45- 50 oz.
(With Radio, Ready to Fly)
2 to 3-Channel
.05 Electric

THE SOPHISTICATED LADY™

Sophisticated Lady Kit #59

She's a high–flying beauty with a personality that couldn't be more down–to–earth. So don't let her high–tech T–tail scare you. She builds easy and handles like a trainer. What's more, she'll shrug off standard 2–meter high–starts and her exceptionally low sink–rate will reward you with impressive durations.

Wing Span 78¼"
Length 43"
Weight 29 oz. (With radio, Ready to Fly)
2 Channel

Gentle Lady™ & Gentle Lady ARF™

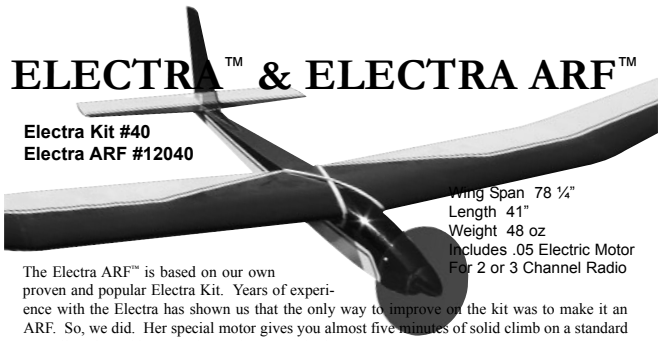
Gentle Lady Kit #60
Gentle Lady ARF #12060

Wing Span 78 ¼"
Length 41"
Weight 22-25 oz
For 2 - Channel Radio and Tow, Slop, or .049-.10 engine

The Gentle Lady is now an ARF!

Now you don't have to spend the time to build the kit. Goldberg's Gentle Lady - is possibly America's favorite beginner glider ever since it's introduction in the 1980's. You've certainly watched one, possibly piloted one. There's even a good chance you've built and flew the heck out of it for years.

ELECTRA™ & ELECTRA ARF™



Electra Kit #40
Electra ARF #12040

Wing Span 78 ¼"
Length 41"
Weight 48 oz
Includes .05 Electric Motor
For 2 or 3 Channel Radio

The Electra ARF™ is based on our own proven and popular Electra Kit. Years of experience with the Electra has shown us that the only way to improve on the kit was to make it an ARF. So, we did. Her special motor gives you almost five minutes of solid climb on a standard six cell pack, and her superb aerodynamics do the rest.

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Monster Tote™

With six sliding drawers, top tray for transmitters, an adjustable cradle to hold your airplanes, and space to mount a power panel, field charger, one gallon container, and fuel pump this tote is all you need take to the field with your airplane.

Kit #105

SUPER TOTE™

From the logic of its layout to the high quality of its precisely cut materials, the CG Super Tote is a real winner. Your equipment is right where you want it, and with its balanced load and narrow profile, the Super Tote even carries better than the others.

Kit #102

FUEL TOTE™

Stop spilling precious fuel all over the interior or trunk of your vehicle. Holds two 1 gallon containers. Balanced design and wide base make it easy to carry while keeping fuel containers upright where they belong.

Kit #104

MINI TOTE™

The Mini Tote may be small in size, but it offers maximum convenience. Its lightweight, well balanced design makes transporting the essentials economical and hassle-free. Low parts count ensures fast easy assembly. Finish it in your favorite colors.

Kit #101

MINI HOLD'EM™

Mini Hold'em™ is engineered for the mini airplanes you fly. It's made from 1/4" plywood, to ensure the Mini Hold'em will last season after season. Cradle length adjusts from 7" to 20" to fit most fuselage sizes. Foam tubing included to protect your finish while you make adjustments or assemble your airplane. Mini Hold'em is a great cradle to work at home or take to the field.

Kit #103

NEW!

Electro Tote™

The Electro Tote™'s modular design allows multiple configurations to suit your exact needs. The Electro Tote comes with a Quik Chill Battery Cooler™, which includes an electric fan, banana plugs, and female connectors. Assembly and painting required.

NEW!

Kit #106

Finish in your favorite color!

QUIK CHILL™

Kit #107

SUPER TOTE 2™ RTU

With no assembly required you'll be at the field in no time. The Super Tote 2 RTU is preassembled from high quality precisely cut materials and includes a complete hardware package. The Super Tote 2 comes prepainted, available in red or blue, and includes decals.

Super Tote 2 RED #12110
Super Tote 2 BLUE #12111

Choose from Red or Blue Finish!

SUPER HOLD'EM™

Super Hold'em™ is engineered for the airplanes you fly. Cradle length adjusts from 13¼" to 26½" to fit most fuselage sizes. Super Hold'em has a larger center drawer and tray to hold all your tools and building supplies. Super Hold'em is a great cradle to work at home or take to the field.

NEW!

GO FOR THE BLUE

For Dependable Hardware and Accessories always "Go For the Blue."

Assorted Spinner Nuts

Goldberg Spinner Nuts are top quality and available in assorted sizes. Choose from four anodized finishes (black, red, blue, yellow) or Polished Nickel Chrome finish. Larger diameter sizes have hex socket for easy tightening.

Hardened Steel Nickel Plated Tailwheels

Carl Goldberg Products' tailwheel is made from hardened steel for unbeatable strength and is plated with polished nickel for a show finish. CGP tailwheel assemblies are available in 3 sizes; small size for 6-12 lb., medium for 10-18 lb., and large for 16-35 lb. airplanes.

Main Landing Gears & Profile Landing Gears

Goldberg Landing Gears are lightweight and extremely durable. Premolded glass filled reinforced, they mount easily and can take a beating. CGP Main Gears for .40 to .60 size airplanes. CGP Profile Gears are for .40 size airplanes. Includes two 5/32" X 1¼" Polished Nickel Spring Steel Axles.

Adjustable Motor Mounts & Adjustable Motor Mounts with Nosegear.

Goldberg's Adjustable Motor Mount and Adjustable Motor Mount with Nosegear are the perfect fit for .25-.50 2 Stroke Engines.

JET Model Mate™

Jet Model Mate™ fills the grain in wood and seals holes in fiberglass, helping you create the perfect finish. And unlike other fillers, Jet Model Mate's special adhesion qualities come without excessive weight, and it's unsurpassed for strength and sandability. Available in both balsa tint and white.

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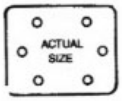
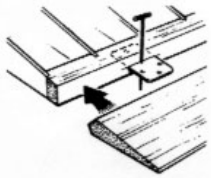
CGM ACCESSORIES

JET HINGE™

The Jet Hinge was designed for R/C hinge applications using CA adhesive technology. The corners are rounded to allow ease of insertion. Perforated nylon allows for maximum glue grab and added security. Two thicknesses and weights cover modeling needs from the smallest .020 to 2.0 c.i. 24 hinges per package.



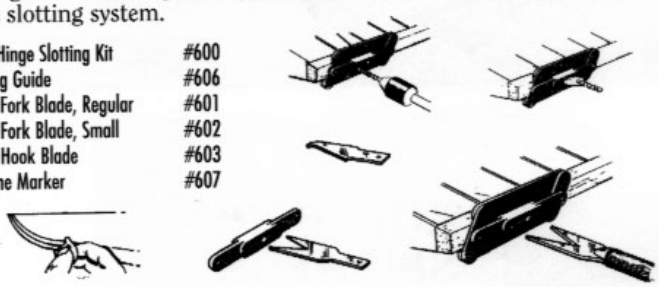


.40 thru 2.0 c.i.	#210
Up to .40 c.i.	#211

HINGE SLOTTING KIT

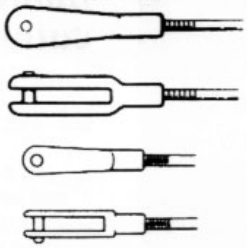
When our original Hinge Slotting Kit was introduced at Toledo several years ago, people came from all over the hall to watch the demonstrations. Here is the Deluxe version, complete with Centering Guide, Special Aluminum Handle, Centerline Marker, Regular and Small Slotting Fork Blades, and Hook Blade. Serves every common hinging need – even "point" type hinges. Be sure to get the CGM total hinge slotting system.

Deluxe Hinge Slotting Kit	#600
Centering Guide	#606
Slotting Fork Blade, Regular	#601
Slotting Fork Blade, Small	#602
Slotting Hook Blade	#603
Centerline Marker	#607



SNAP LINK & MINI-SNAP LINK (PAT. 3711134)

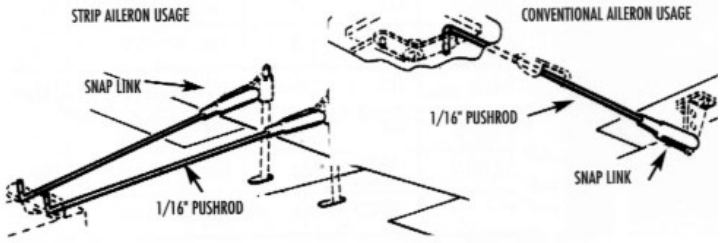
Now you can buy a truly safe link – the Snap-Link! Tiny 45° shoulder snaps through arm, prevents accidental opening. So unique it's patented. One-piece design – no separate pieces that might come apart.



Snap-Links (2)	#310
Mini-Snaps (2)	#311
Snap-Links (6)	#321
Mini-Snaps (6)	#320
Snap-Link w/rod (5)	#330
Mini-Snap w/ rod (5)	#331
Link Rods (6)	#350

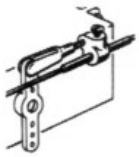
AILERON PUSHROD *True 1/16" wire!*

Don't drill out servo arms! Use true 1/16" aileron pushrods. Threaded rods are usually oversize 1/16" and won't go into servo arm holes without drilling. These Aileron Pushrods are TRUE 1/16"! Get two each of our Snap Links and 7" Rods in package #351.



AILERON COUPLER

At last, a simple way to couple conventional aileron pushrods to your servo output arm. Study the picture a moment, and you'll see how it's done.



#363

AILERON BELLCRANK

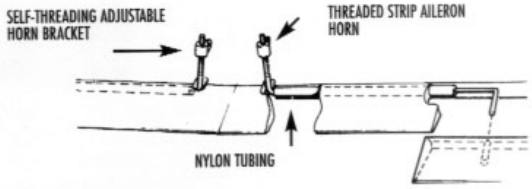
Bellcrank has steel bushing of proper size, so crank can be screwed firmly in place without binding. No electrical noise – all metal parts are screwed tightly together. Two cranks, etc., per pkg.

#420

STRIP AILERON HORN SET

Six Pieces per Set

3/32" Wire		#402
3/32" Brackets	(4)	#411
1/8" Brackets	(4)	#412



CONTROL HORN

Our Control Horns have the upright part rising from the center of the base for maximum stability. Holes are right size for 1/16" wire; nut plate for simplest mounting. Screws included.

Long Horn	#440
Short Horn	#441

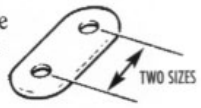
HARDENED STEEL WHEEL COLLAR

CGM collars are different – hardened steel. No soft threads. Pkg. of 4.

1/16"	#490
3/32"	#491
1/8"	#492
5/32"	#493
3/16"	#494

NYLON LANDING GEAR STRAP

These tough Nylon Straps provide strong and electrically noiseless strut retention. Two sizes. Pack contains 4 straps, 8 screws.



3/8"	#290	1/2"	#291

NYLON LANDING GEAR CLAMP

For 5/32" and 1/8" wire. Molded of tough nylon. 4 per package. Screws included.

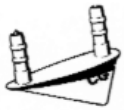
1/8"	#286
5/32"	#287

NYLON TAILWHEEL BRACKET

The simplest tailwheel mounting bracket yet-just cut a slot in the rear bottom of the fuselage, smear epoxy on the glue fin, and slide into place.

#460

NYLON WING SKIDS



Even top fliers can't keep gusty winds from dropping a wing tip to the runway while landing. CGM Nylon Wing Skids help prevent ugly scrapes.

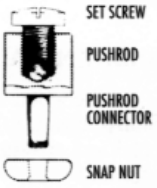
#461

1/16" THREADED COUPLER

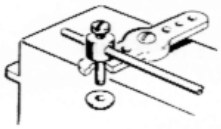
Have you ever had a coupler break where the thread adjoins the body? Threaded Couplers use a different manufacturing method, making a stronger unit where the thread ends. Two per package, for joining 1/16" wire to clevis.

#359

PUSHROD CONNECTOR

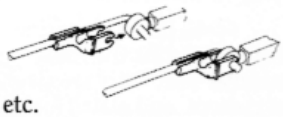


Once again, a CGM accessory turns a tough, irritating job into a breeze! Our Pushrod Connector requires NO SOLDERING or PEENING! Tough nylon Snap Nut snaps easily over fine grooves, yet requires a knife blade to pry it off. Can be reused over and over. Pkg. of 2.



#360
Replacement snap nuts
#362, pkg. of 6

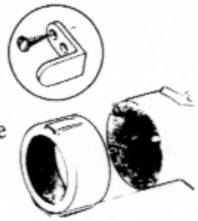
SNAP'R KEEPER



Quickest, handiest way to secure pushrod wire end to servos, horns, etc. Works on wire 3/64" to 5/64" in diameter. Pkg. of 4.

#361

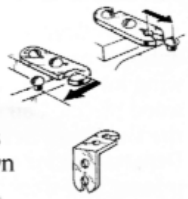
90° MOUNTING BRACKET



Dozens of uses! Mount cowls, canopies, internal pushrod guides, etc. Molded of nylon. 4 per package with screws.

#462

FLAT AND ANGLE HOLDOWN



Small, strong molded brackets come with mounting screws and instructions. Mount canopies, hatches, struts, etc. Flat hold down has side or in-line action and comes 4 units per package; Angle hold down package includes 2 left and 2 right brackets per package.

Flat #463 Angle #464

STEERABLE NOSEGEAR SETS

All Sets include nylon Nosegear Bearing, Steering Arm, Blind Nuts, Screws, etc.

3/32" STEERABLE NOSEGEAR SET #260

Complete set for small models, 3/32 music wire stut. Bend axle to suit your model.

1/8" STEERABLE NOSEGEAR SET #261

Set for medium-size models. 1/8" music wire strut with fixed axle.

5/32" STEERABLE NOSEGEAR SET #262

Nosegear Set for large models. 5/32" music wire strut with fixed axle.

5/32" STEERABLE NOSEGEAR SET #267
with ADJUSTABLE AXLE

5/32" NOSEGEAR STRUT #272
with Adjustable Axle.

Set for large models. Comes with 5/32" music wire strut with axle you can adjust to the needs of your model.

NYLON NOSEGEAR BEARING

Complete with Blind Nuts and Screws. For 1/8" Strut #276
For 5/32" Strut #277

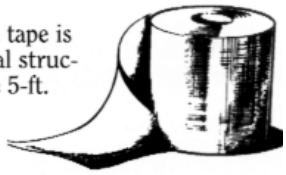
NYLON STEERING ARM

For 1/8" Strut #280
For 5/32" Strut #281

5/32" ADJUSTABLE AXLE

#300

NYLON REINFORCING TAPE



Tremendous strength is obtained when tape is applied with Super Jet™ or epoxy on crucial structures, such as joined wing halves. Tapes are 5-ft. long in widths ranging from 3/4" to 6."

3/4"	Nylon Tape	#450
2 1/2"	Nylon Tape	#451
4"	Nylon Tape	#452
6"	Nylon Tape	#453

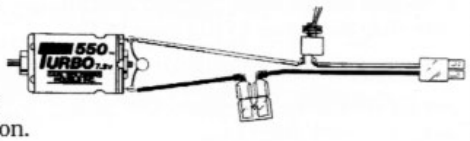
PROTECT YOUR MODEL WITH SCUFF GUARD™

Simply apply a strip of Scuff Guard™ to wing tips and other damage-prone areas. It's super tough, flexible, and sticks readily. A 1" x 12" clear protective tape on white backing.

#480

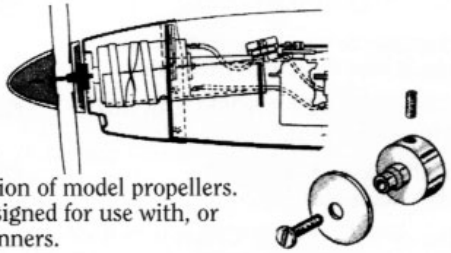
TURBO 550 ELECTRIC MOTOR

High performance .05 size electric motor for Electra-size models. Specially designed for best performance with standard 8" model propellers. It's ready to run – no soldering required! Includes Turbo 550 Motor, heavy duty 10 Amp Switch, and popular Tamiya-type Connector. Safety features include in-line capacitor to guard against motor "interference" during R/C operation, and light weight fuse block for overload protection.



#675

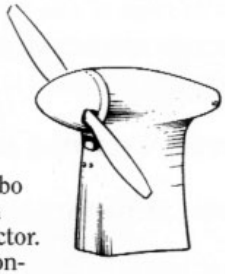
PROPELLER MOUNT



Precision-machined aluminum prop mount fits standard unthreaded 1/8" electric motor shafts to permit normal installation of model propellers. The mount is specially designed for use with, or without CGM snap-on Spinners.

#676

CGM ELECTRIC POWER POD

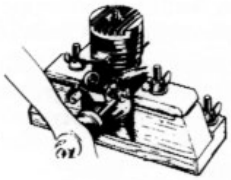


About four minutes of strong 'n' silent climb for the Sophisticated Lady, the Gentle Lady, and other light-weight sailplanes.

Complete with a powerful Mabuchi 550 Turbo Motor, an 8-4 Nylon Prop, a CGM Spinner and a fuse-protected harness with Tamiya-type Connector. The streamlined pylon is designed to house an on-off servo or a speed controller, and the instructions are easy to follow. Requires a 6 or 7-cell pack.

#678

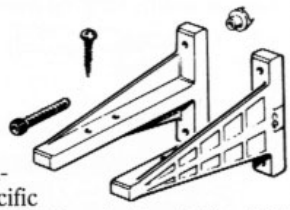
ENGINE TEST STAND



Husky enough to handle a big .61 and adjustable down to a T.D. .049. Beautifully finished in clear lacquer. Fully assembled, complete with all mounting bolts, restraining lug pins, and guide pins and ready to help you break in your engine. Made of ROCK HARD CANADIAN MAPLE

#620

UNIVERSAL ENGINE MOUNT



The CGM Universal Engine Mount comes pre-drilled with all the mounting hardware necessary to mount any engine, from the smallest to a 1.20 4-cycle. The simple instructions eliminate the need for a specific engine mount. Package includes 2 Klett Engine Mount sides, 4 #6 x 3/4" Machine Screws, 4 6-32 Socket Head Screws, and 4 6-32 Blind Nuts.

#445

SOCKET HEAD SCREW

Socket Head Screws have long been favored by expert modelers. They're made of a higher alloy steel and can be torqued down precisely. Very short and long lengths are available in 3 popular thread sizes. 4 screws and 4 washers per set.

4-40 x 1/8"	#501	6-32 x 1/2"	#514
4-40 x 1/4"	#502	6-32 x 3/4"	#515
4-40 x 3/8"	#503	6-32 x 1"	#516
4-40 x 1/2"	#504	6-32 x 1-1/4"	#517
4-40 x 3/4"	#505	6-32 x 1-1/2"	#518
4-40 x 1"	#506	8-32 x 1/2"	#524
4-40 x 1-1/4"	#507	8-32 x 3/4"	#525
4-40 x 1-1/2"	#508	8-32 x 1"	#526
6-32 x 1/8"	#511	8-32 x 1-1/4"	#527
6-32 x 1/4"	#512	8-32 x 1-1/2"	#528

2-56 PAN HEAD MACHINE SCREW

Hard to get LONG LENGTHS are featured here. Each set of 8 is complete with nuts and washers.

2-56 x 1/4"	#542
2-56 x 1/2"	#544
2-56 x 3/4"	#545
2-56 x 1"	#546

SHEET METAL SCREW

Like wood screws, but better. Sharp, clean, full-depth threads, hard and strong. Excellent for mounting servos, etc. Includes washers.

No. 2 x 3/8" (10)	#563
No. 2 x 1/2" (10)	#564
No. 4 x 3/8" (8)	#567
No. 4 x 1/2" (8)	#568

BLIND NUT

#4-40 Blind Mounting Nuts are by far the most popular size. Ours are steel, made to high quality standards, and plated for corrosion prevention.

#4-40 Blind Nuts	#571
#4-32 Blind Nuts	#572
#8-32 Blind Nuts	#573

1/4-20 NYLON WING BOLTS

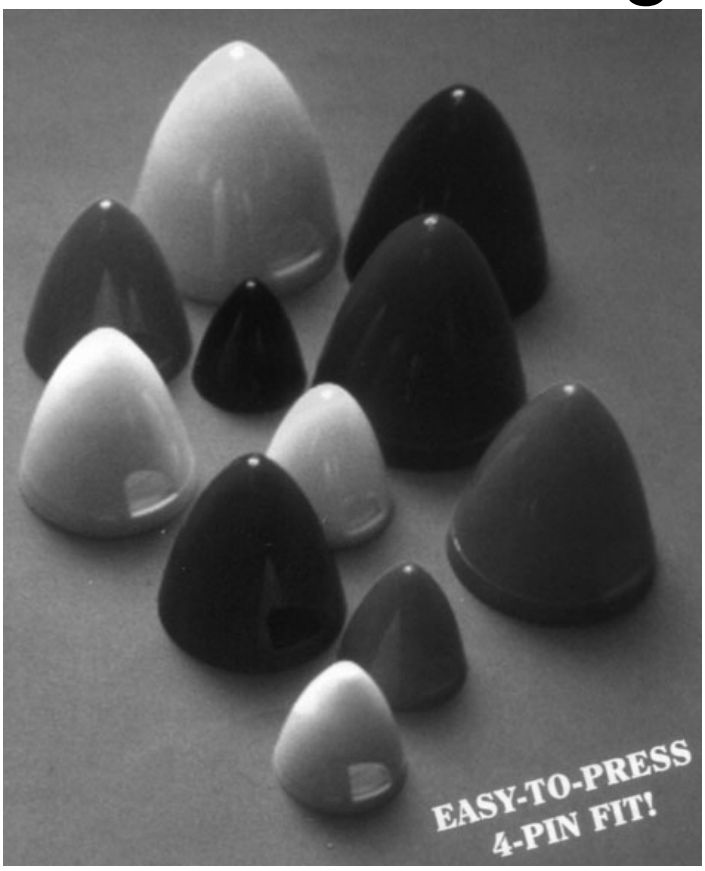
For use with 1/4-20 Blind Nuts or drill hole with #7 (13/64") drill and follow with a 1/4-20 tap.

2" Bolt #585 3" Bolt #586

REPLACEMENT AND OPTIONAL PARTS

Carl Goldberg Models supplies replacement and optional parts for all of its kits. This includes full wing kits, as well as individual pieces of hardware and wood pieces. Call or write the Customer Service Department for current pricing and shipping costs.

Goldberg Spinners



7 sizes, 5 colors, 4-pin cone-to-backplate mounting, larger prop cutouts, plus... unmatched precision of balance and fit!

Prop shaft adapters are included with all sizes 2" and up. These spinners have the perfect shape and mirror-like finish that have made CGM spinners your favorites for so many years.

Use this chart to find Item #s

DIAM.	WHITE	BLACK	RED	YELLOW	BLUE
1-1/2"	124	125	126	127	128
1-3/4"	131	132	133	134	135
2"	138	139	140	141	142
2-1/4"	145	146	147	148	149
2-1/2"	152	153	154	155	156
2-3/4"	159	160	161	162	163
3"	166	167	168	169	170

COLOR STRIPE™

Your favorite vinyl detailing tape comes in 14 colors and four popular sizes! Fuel-proof, flexible Color Stripe adds the professional touch to any color scheme. 36-foot rolls stay fresh-for-use in the protective dispenser package.

COLORS	1/16"	3/32"	1/8"	1/4"
Yellow	#680	#694	#708	#722
Red	#681	#695	#709	#723
White	#682	#696	#710	#724
Black	#683	#697	#711	#725
Gold	#684	#698	#712	#726
Blue	#685	#699	#713	#727
Dark Cream	#686	#700	#714	#728
Sky Blue	#687	#701	#715	#729
Deep Red	#688	#702	#716	#730
Orange	#689	#703	#717	#731
Burgundy	#690	#704	#718	#732
Silver	#691	#705	#719	#733
Smoke	#692	#706	#720	#734
Light Cream	#693	#707	#721	#735

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