# LASER 1/4 SCALE

# WARNING! THIS IS NOT A TOY

# THIS IS NOT A BEGINNERS AIRPLANE!

This RIC kit and the model you will build from it is not a toy! It is capable of serious bodily harm and property damage. It is your responsibility and yours alone - to build this kit correctly, properly install all RIC components and flying gear (engine, tank, radio, pushrod, etc.) and to test the model and fly it only with experienced, competent help, using common sense and in accordance with all safety standards as set forth in the Academy of Model Aeronautics Safety Code. It is suggested that you join the AMA and become properly insured before attempting to fly this model. If you are just starting RIC modeling, consult you local hobby dealer or write to the Academy of Model Aeronautics to find an experienced instructor in ,your area.

Write to: Academy of Model Aeronautics, 5151 E. Memorial Dr., Muncie, IN 47302

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# 1\4 scale LASER 200

# **BUILDING INSTRUCTIONS**

Thank you for purchasing our Laser 200 kit. We sincerely hope you enjoy building and flying it. The Laser 200 was designed to fly, not crash. By that we mean it is built light but, still maintains structural integrity to take all of the acrobatic forces expected. Lightness means performance as well. Build your Laser 200 according to plans with the thought of keeping it light and you will be rewarded with unexpected performance only our Laser 200 can give. Before starting to build please read through these instructions while looking over the plans. Start with wings, then tail group; in that order. You will need the wings and tail to complete the fuselage assembly.

# WING CONSTRUCTION

The wing panels are foam cores cut to size but, may need some light sanding to touch up any irregularities. Use 220 grit paper. Take note there is a RH and LH wing panel due to the aluminum wing spar hole being out of symmetry with the airfoil center line. Take note of this. The bottom side of the RH wing is shown on the plan to clearly show the servo installation. Mark each wing root to be assured of proper identification.

Handle the cores carefully because of the delicate feathered trailing edge. Do not dispose of the foam packing pieces containing the cores. They make a good support when applying the balsa skin and will help to prevent warping. Look at wing plan and fully understand materials and construction before starting.

- 1. Epoxy in the fiber tube allowing 3/16" to extend beyond the wing mot. Work epoxy into the slot on the top side of wing keeping it flush with surface. Do not allow epoxy to get on inside diameter of fiber tube. Wipe off any excess epoxy with a paper towel and isopropyl alcohol. Especially around the fiber tube at the wing root.
- 2. Epoxy in WS1 support with the tapered edges to the top. Apply epoxy to each surface before mating.
- 3. Build the servo tray as shown on the plans. Epoxy in place with the servo mounts flush with the foam surface. Be sure to mount It on the bottom side. It is possible to mount it wrong because the square hole in the wing goes all the way through.
- 4. Locate the 3/32" x 4" x 36" and 3/32" x 3" x 36" sheet balsa. Note the wing skin layout on the plans. Edge glue three 4" sheets, one 3" sheet and a scrap piece, taken from the wing tip end of a 4" piece, together. Use white glue or CA.

Some of the balsa sheets may be crowned. That is bowed. In this case it is necessary to true both edges. Take off only enough to get a straight edge. Slide the edges together and tape with masking tape. Open, like a book, apply glue to the edge, fold back, wipe off excess glue and apply masking tape to hold. Do each joint this way.

5. When wing skin is cured, remove tape and block sand smooth with 100 grit paper.

1.

- 6. Make up two wing skins as described.
- 7. Lay a foam core over a wing skin and mark the core outline allowing 1/8" of skin over-lap at the trailing edge and 1/16" at the leading edge. Allow some at root and tip as well. Now mark and cut out the other wing skin the same way. Block sand both of them smooth using 100 grit paper.
- 8. Place a wing core back into its respective top and bottom packing pieces. Lay it on a firm, flat surface with the top side up. Example: A pool table has a firm, flat, surface as opposed to a Ping Pong table which has neither. Firm and flat are the key words. Next, remove the top packing piece and core leaving the bottom packing piece on the firm and flat surface. Lay a narrow strip of wax paper along the leading and trailing edge to keep the epoxy from sticking to the foam. Align and place one wing skin in the bottom packing. Using Hobbypoxy II, mix, apply, and squeegee a thin even coat on the inside surface of the wing skin only. Add a little extra along the foam core trailing edge, about an 1" wide, for additional reinforcement. Now, align and set the core on the skin. Place the top packing piece on the core with a piece of wood, the appropriate size, to help distribute the weight you are about to add. A good tip. 1/2 gal Ziploc Storage Bags, 3/4 full of sand (approx 5-1/2 lbs) make excellent cheap weights. Place 6 or 7 evenly across the core on the wood and allow to cure over night. This is why you need a firm, flat, surface to promote straightness.
- 9. Before applying skin to the top surface, layout and cutout the servo opening, which can be located easily from the top side. Also sand trailing edge to permit mating of top wing skin.
- 10. Next, mix another batch of Hobbypoxy II and squeegee a thin, even, coat on the inside surface of the other wing skin. Lay a thin coat of epoxy along entire length of trailing edge on topside of core as described above. With the core positioned in the bottom packing piece on a firm, flat, surface align the skin on the core. Place the top packing piece, wood and weights on top as described above. Allow curing over night.
- 11. Sand the wing skin flush with the foam leading edge. Use a long sanding stick to ensure that it is straight. Locate the 1/4" x 7/8" x 36" balsa leading edge and glue in place with white glue. Use masking tape to hold it.
- 12. Using the wing root airfoil shown on plan as a template, stack two pieces of 1/8" x 3" x 16" balsa. Cut out the wing root end capping (oversized). Locate holes from the template. Make the holes, 1/2", 1" and 1/4" respectively.
- 13. Find the average center of the airfoil and draw a center line on the foam core. Slip one end cap over the fiber tube and epoxy in place. Make sure the 1/4" hole is lined up with center line. When cured, sand fiber tube flush with surface. Sand the end cap to conform to the airfoil.
- 14. Cut out wing tip cap from scrap piece of 3/32" wing skin and glue in place.
- 15. Layout aileron cutout on wing as shown on plans. Mount wing panel in mating Styrofoam packing piece to keep things square when cutting. A band saw and jig saw works best here. Sand edges smooth with a sanding stick to keep them straight.
- 16. Cap inboard edge with scrap piece of 3/32" balsa. Use white glue. Plane down and sand flush with wing surface.

- 17. Remove 1/4" from inboard end of aileron and 9/16" from leading edge. Cap aileron leading edge with 1/4" x 1" x 30" balsa strip. Cap the end with 3/32" sheet balsa. Plane down and sand smooth with surface.
- 18. Shape aileron leading edge as shown on plans.
- 19. Install 1/4" anti rotation dowel allowing it to extend 3/4" beyond the wing root. Use epoxy or white glue. A 1/4" long drill will make the hole. Keep it square with the end surface.
- 20. Locate and cut the 1/2" x 1-1/2" x 12" block into two 6" pieces. Strike a center line on the 1-1/2" surface, stack them together, and drill a 1/4" hole on the center line 1-112" from one end. Turn one block on edge and strike a line from one comer to the other. Make sure the hole is near the thin side. Now cut out with a band saw.
- 21. Slip the block over the anti-rotation pin and epoxy in place. Plane and sand smooth with wing surface on each side.
- 22. Shape leading edge per plan' and sand entire wing panel smooth for covering.
- 23. Mount servo and install hardware to operate aileron as shown on plans.
- 24. Now build the LH wing panel as described above.

# **TAIL GROUP**

Building the tail is straight forward. Pick out the hard 1/4" x 3/8" strips and use them for the stab trailing edge and elevator leading edge. Make good, square joints allowing the glue more surface to grab on to.

- 1. Begin with the fin and rudder by laminating the 1/8' x I/4" lite ply strip to a 1/4" sq. balsa piece. Next, cut out the 1/4" sheet. pieces sanding the edges square. Pin them down on the plans over wax paper.
- 2. Cut a piece 1/4" x 3/8" stick 12-1/2" long. Tape it together making sure one end is even with the bottom of the fin post you just laminated allowing you to layout the hinge holes accurately. Layout the hinge holes in each piece.
- 3. A simple hole locating gage can be made with a 1/4" strip of ply. Establish a center line on the strip. Locate and drill 1/8" holes per center line shown for hinges on plans. Cut off strip 7/8" from last hole and glue on a stop. Use this simple drill gage to locate both the fin trailing edge and rudder leading edge hinge holes.
- 4. Pin down these parts to the plans with the lite ply strip on the fin post facing forward. A short piece of 1/8" dowel in the bottom hole will assure perfect alignment.
- 5. Pin down and glue (where necessary) all 1/4" sheet pieces...
- 6. Pin down and glue the 1/4" x 3/8" leading, trailing edge and bottom rudder piece.

- 7. Cut, fit and glue in the entire 1/4" square cross braces and diagonals. Add the 1/4" square backup for the hinges.
- 8. Block sand both parts and shape all edges per plan. Temporarily install the Robart hinge points for alignment and fit.
- 9. The stab and elevator are built the same as the fin and rudder. Use the drill gage method described for locating the hinge holes, only you will have to make a new one. Make it long enough for one elevator and measure in from each tip.
- 10. Block sand all the parts on both sides and shape the outline and elevator leading edge as shown. Temporarily install the hinge points for alignment and fit.
- 11. Epoxy fin to stab. Make sure fin is perpendicular. Tape it to a small square.
- 12. Place tail parts aside until ready for covering.

# **FUSELAGE CONSTRUCTION**

- 1. Locate fuselage sides FS1. They are stapled together but don't take them apart yet. Lay them over the plans and mark the FS3 location. The dimensions are on the plans for the 1/2" hole location. Drill a 1/2" hole through both sides.
- 2. Separate the sides. Lay them on the plans marking location of F3 bulkhead on each side
- 3. Lay a piece of wax paper, large enough to cover more than the area from F2 to F3, on workbench. Lay down a side FS1 and glue in F3. Now glue in FB3 to ensure square ness. FB3 goes under the side.
- 4. Glue in F2 bulkhead keeping it perpendicular from top to bottom.
- 5. Glue in the 1/4" square balsa aft longerons, top and bottom, on fuselage side. Do not glue them to F3 making sure ends are angled slightly to permit a sharp bend in the side.
- 6. Add the 1/4" square aft balsa longerons to other side.
- 7. Glue on the opposite side lining up the mark with F3. Check and pull sides together at tail to make sure of alignment.
- 8. Locate both FB2 pieces. Bevel top of each to fit the angle required. Glue in between F2 and F3 making then flush with the bulkheads.
- 9. Before gluing in FB1 layout the landing gear mounting holes as shown on the plans on it. Drill both holes with a #10 drill and tap with a 1/4-20 thread. Harden the threads with thin Zap CA and re-tap if necessary. Epoxy in FB1, add the 3/8" tri-stock balsa reinforcement using epoxy. Glue in the ½" square cross brace.

- 10. Score both FS sides about half way thru, at the aft edge of F3. Bend each side inward until it cracks. A sharp break is required to make the sides straight from F3 aft. Please don't break it completely in two.
- 11. Pull sides together at tail. Remove enough 1/4" square so sides touch, making tail end 1/4". When properly aligned epoxy sides together.
- 12. Measure and mark location of cross brace from top view on plan. Be accurate or the bulkheads will not fit properly.
- 13. Glue in the six 1/4" square cross braces.
- 14. Now glue F4, F5 and F6 in place. Noting section A-A on the plans center the former between sides.
- 15. Before gluing in FB5 layout the holes to mount the tail wheel. Drill both holes using a 3/32" drill. Epoxy tail wheel support FB5 in place. Add the two 1/4" balsa stringer between F3 and FB5.
- 16. Epoxy on cowl block CB1 and two lower 1/2" square blocks. Locate as shown on plan in F2.
- 17. Because of the many different size engines, the sides FS1 may have to be altered. You will note on plan that to install the engine we chose, it was necessary to shorten the sides. Leave the cowl length as is and alter the sides to fit your particular engine and mount set up.
- 18. Before installing F1 layout the engine mount mounting holes and install the blind nuts. Use a # 7 drill to accommodate them. Now epoxy in 1/4" firewall F1. Epoxy FB4 to bottom side. (you may have to shorten it) Epoxy in the 3/8" tri-stocK for added reinforcement.
- 19. Epoxy in the two FS2 1/8" ply parts. Use the aluminum spar to align them before the epoxy sets up.
- 20. Now is a good time to build the servo rails. Measure on plans from top of side to top of 3/8" square side rail. Draw a line parallel with top of FS1 on each side. Epoxy in the side rails. Now epoxy in the rear cross rail. Using a servo as a gage locate and epoxy in front cross rail. Note that for RH elevator servo is elevated 1/2" so pushrods running thru fuselage will clear each other. Use 1/2" wide blocks to elevate the servo.
- 21. Locate the ABS turtledeck. Trim along mold lines. Use a straight edge where possible and score along straight lines with a razor. Now twist up and down until the plastic shears in two. A Dremel motor with a drum sander will easily sand out the curved lines.
- 22. Temporarily mount horizontal stab on fuselage. Set the turtledeck down so flange is on forward side of F3 and against it. The notch at aft end should mate with stab leading edge and slot on top should mate with vertical stab. It will take some trimming and fitting to accomplish this however, it will be time well spent.
- 23. When turtledeck is fitted temporarily tape it in place on the fuselage until wing cover assembly is built.

- 24. Build the wing cover frame on the fuselage. Lay an oversized piece of wax paper on the fuselage between F2 and F3. Set in C1 and C2 and tape them to their respective bulkheads. C2 should rest against turtledeck flange. Epoxy in side rails C3 and mount a gusset in each comer. Allow to cure.
- 25. Locate ABS wing cover and trim aft edge leaving a flange on each side as shown on plans. Do not trim sides or front at this time.
- 26. Remove wing cover frame from fuselage. Slide ABS plastic wing cover over C2 until flanges touch. Tape cover in place on frame. Apply Zap thin CA all around inside to retain wing cover to frame. Be careful not to warp. When cured, trim off excess plastic on ends and bottoms.
- 27. Trim canopy to mold lines. Do not install until painting is complete. Be sure to install canopy with RC-56 glue when you are ready.
- 28. Install wing cover assy on fuselage and tape in place. Locate retaining holes as shown on the plans. Drill a 5132" hole thru on both sides. Remove wing cover assy and drill out the 5/32" holes with a 11/64" drill. Install a # 6 All Threads insert in each hole and glue in place with Zap thin CA.

# **COWL ASSEMBLY**

The cowl as received comes in two pieces. Remove the flashing from the surfaces to be mated. Lightly sand those edges so they will fit together with a minimum gap.

- 1. Tape the cowl halves together with masking tape. Make sure the seam is even. Apply Zap thin CA to joint.
- 2. When cured lay a 2" wide strip of 2 ounce glass cloth, on inside over each joint, top and bottom. Use Zap thin CA, or thinned epoxy and paint into the glass cloth.
- 3. Remove tape and cut out forward end of cowl. Here again use the Dremel motor with the drum sander.
- 4. Check the cowl length and make it per plan.
- 5. Fit the cowl on the fuselage and cut out the notches required for the wing leading edge. Allow a small amount of clearance. Don't fit the notch too tight.
- 6. Cut out holes for the muffler, glow plug and needle valve access to accommodate your engine.
- 7. Locate and drill the cowl mounting holes with a 5/32" diameter drill.
- S. Sand entire cowl with 220 grit paper to roughen surface. Prime and set aside for final painting.

# WHEEL PANT ASSEMBLY

1. Locate the wheel pants. Match up the pairs - a RH and LH is required.

- 2. Epoxy in W1 on the inside piece of the pant. It should be centered in the slot and rest on bottom surface.
- 3. When cured, remove plastic in the 1/2" diameter hole area making a 1/2" hole all the way thru.
- 4. Block sand the surfaces of the two halves to be mated. Temporarily tape them together and apply Zap thin CA along the seam.
- 5. Trim out an access hole in the bottom of the pant to fit the wheel. Leave plenty of clearance for it.
- 6. Lay a 1/2" wide piece of 2 ounce glass cloth over the seam on the inside of the pant. Use thin CA or epoxy to hold it in place. Now build the other pant as described above.
- 7. Locate the formed landing gear. Pant retainer holes must be located and drilled in it. Drill a 1/8" diameter hole, 5/8" up from the 5/16" on the same centerline in each leg.
- 8. Install the wheel axles in the 5/16" diameter holes. Slip a 5/32" diameter wheel collar on one axle but do not tighten.
- 9. Insert a wheel into the pant holding it in approximate position. Now push the axle thru 1/2" hole in pant, and thru the wheel bearing until pant rests against landing gear leg hex. Install another wheel collar to retain the wheel.
- 10. Prepare the other wheel pant as described above.
- 11. Temporarily mount landing gear on the fuselage.
- 12. Block up the tail on the workbench so stab is parallel with surface. Block up the aft end of one wheel pant so that it is relatively parallel with the bench surface.
- 13. Holding the wheel pant against the landing gear leg and down on the block, mark the retainer hole position on the pant thru the 1/8" hole in the -landing gear leg.
- 14. Remove the pant and drill a 5/32" hole on the mark. Install a #4 All Threads insert flush with surface and Zap thin CA in place.
- 15. Now locate and drill the other wheel pant retainer hole.
- 16. Temporarily mount the wheel pants and check for alignment with each other. If needed the pant retaining holes can be enlarged allowing some shifting movement. You will need a washer under the retaining screw head.
- 17. Remove pants and sand with 220 grit paper. Prime and set aside for painting.

# WING INSTALLATION

Now is a good time, without the turtledeck installed, to mount the wings and set the incidence. Which, by the way, is 0 degrees. You will need a Robart Wing Incidence Indicator.

If you don't own one, borrow one from a friend. Of course it is possible to measure up to the leading and trailing edge and come close. It is very important that both wing panels am set up the same.

- 1. Look at section B-B on sheet 2 of plans and inset the 1/2" diameter x 3/16" dowel approx. 4" from the root rib. Use epoxy. Locate a 1/8" hole, in the center, and counterbore with a 1/4" drill deep enough to recess the 4-40 bolt head. Do both wing panels on top side only.
- 2. Locate the aluminum tube spar, measure in from one end 11-3/8" and mark.
- 3. Push the aluminum tube into the wing fiber tube in one wing panel to the 11-3/8" mark you made on the tube.
- 4. With the tube in this position drill and tap a 4-40 thread thru the alum. spar at section B-B.
- 5. Install a 4-40 x 3/8" socket head bolt to retain the spar. Now slide the alum spar and wing thru the hole in the side of the fuselage until the wing is against it.
- 6. Block up the tail so stab is level. Using a wing Incidence Indicator, level the wing panel. Do this carefully. Now fix the wing in this position with masking tape at trailing edge. Locate FS3 and carefully push it on the 1/4" anti-rotation dowel without moving the wing. Epoxy in place to fuselage side.
- 7. Now install the other wing panel using the same procedure.
- 8. Remove one wing panel and slide the wing and spar from the fuselage. In the future, when installing and removing wings, remove only one panel leaving the spar in place. It will make it easy to find the wing retainer hole again when assembling the wings.
- 9. Final sand and prepare the wing panels for covering.

# **TAIL INSTALLATION**

- 1. Do not attempt to fly the- Laser 200 without tail struts. Build and install them from the hardware called out on plans.
- 2. Final sand the tail group parts and prepare them for covering. After covering remove covering from area on bottom of horizontal stab glued to fuselage.
- 3. Epoxy stab and fin on fuselage, align with wings and center line of fuselage.
- 4. Build pushrod as shown in plans. Mount control horns on elevators and rudder. Hinge control surfaces, hookup pushrods and adjust control surface travel as called for on plans with radio on.
- 5. When satisfied with pushrods and adjustment, glue on turtledeck. Tape it in place and apply Zap thin CA around the edges. Use a short piece of wood, placed bark from the edge approx. 1/8", to

hold-down the plastic edge as you glue a small section at a time. Take your time and don't get CA under the wood hold-down.

# **FLYING**

Before the first flight, and to ensure some longevity for your Laser 200, it will do well to check out a few things before heading off to the flying field.

- 1. Balance the Laser 200 at the CG point shown on the plans with an empty fuel tank. The range is plus or minus 1/4". Depending on your type of flying you may want to adjust it some.
- 2. Check the control surface travels. We have given you a starting point however, they need to be fine tuned to meet your flying needs. Make sure the control surfaces are free and there is no binding.
- 3. Run the engine and check the idle. Have it ready so you don't encounter problems at the flying field.
- 4. Turn on the radio, with the engine running, to make sure there are no intermittent glitches. Give it a good range check.
- 5. Check all hardware to be sure it is secure. There is nothing worse than losing an airplane on the first flight because of a loose nut or clevis.
- 6. Hopefully by now you are ready to fly GO FOR IT ...... HAPPY FLYING!

#### **GENERAL**

# HARDWARE AND MATERIAL LIST TO FINISH THE LASER 200

- 1. 4 channel radio
- 2. engine suitable size
- 3. fuel tank 12 to 16 oz. Hayes
- 4. fuel line med. size 2 ft.
- 5. propeller suitable size to fit engine
- 6. 3" spinner Tru-Turn or Du-Bro
- 7. covering, paint and trim your choice
- 8. muffler Slimline #6021
- 9. heavy thread control pushrods
- 10. .020 brass sheet lower tail strut support

# **FUSELAGE**

- 1 . 6 32 x 3/4" soc, hd. bolt (4) engine mount
- 2. 6 32 blind nut (4) engine mount
- 3. 6 32 x 3/8" soc hd. bolt (7) cowl and wing cover retainer
- 4. #6 flat steel washer (7) cowl and wing cover
- 5. 5/32 ID nylon washer (7) Sig SH204 cowl and wing cover
- 6. #6 "all threads" insert (7) Ohio Superstar cowl and wing cover
- 7. aileron servo side mount throttle servo
- 8. 1/4 20 nylon bolt (2) landing gear
- 9. 5/32" wheel axle Du-Bro #248 landing gear
- 10. 4 40 x 3/8" soc hd. bolt (2) wheel pant retainer
- 11. #4 "all threads" insert (2) Ohio Superstar wheel pants
- 12 5/32" wheel collar Du-Bro #140 wheel axle
- 13. aileron horn Du-Bro ##103 rudder pushrod
- 14. kwik-link with rod (3) Du-Bro #229 elevator and rudder pushrod
- 15. #4 x 3/8" sht. metal screw (2) tail wheel retainer
- 16. tail wheel (M) Ohio Superstar

# WING

- 1 . 4 40 x 3/8" soc. hd. bolt (2) wing retainer
- 2. threaded rod (2) Du-Bro #172 aileron pushrod
- 3. swivel link (2) Rocket City #69C aileron pushrod
- 4. #6 32 x 1-1/2" bolt (2) aileron control horn
- 5. nylon hinge (8) Du-Bro #172 aileron pushrod

# **TAIL**

- 1. steel pin hinge (10) Robart #308 elevator and rudder hinge
- 2. control horn (3) Du-Broo#105 elevator and rudder
- 3. nylon kwik-link (2) Du-Bro #122 tailwheel pushrod
- 4. threaded rod Du-Bro #378 tailwheel pushrod
- 6. kwik-link with rod (8) Du-Bro #229 tail strut
- 6. solder kwik-link (8) Du-Bro 12 tail strut
- 7. landing gear strap (16) Du-Bro #158 tail strut
- 8. #2 56 x 1/2" bolt set (2) Du-Bro #174 tail strut

# **GLUE**

- 1. white glue general gluing
- 2. Zap CA and CA+ general gluing
- 3. 5 min. Z-Poxy where extra strength is required
- 4. R/C 56 to retain canopy
- 5. Zap plastic kicker



Mailing address P.O. Box 458 Oakwood, GA 30566 Telephone 770-532-6401

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# Parts List - 1/4 Scale Laser 200

Wing Panels, pr. foam only Fuselage Sides, pr Fuselage Kit (Wood, Turtledeck, Wing Cover, & Canopy Turtledeck Wing Cover Canopy Engine Cowl (Right & Left) Landing Gear Wheel Pants Instructions & Plans 7/811 x 28" Aluminum Wing Spar 7/8" x 12" Phenolic Wing Tube, pr	y) 69.95
WILL DO OUR BEST TO SEND WHAT YOU NEED.	IST AS A GUIDE AND SEND A SKETCH OF WHAT YOU WANT. WE
TO COVER SHIPPING CHARGE	, AND AMERICAN EXPRESS. PREPAID ORDERS PLEASE ADD \$ 7.50
PARTS ORI	DER BLANK
NAME:	
STREETADDRESS:	
CITY/STATE:	
	3
ZIP CODE:	
PHONE#	5
METHOD OF PAYMENT:	
C.O.D., CHECK ENCLOSED, VISA, MasterCard. & American Express NUMBER	TYPE MODEL:
EXPIRATION DATE	
Your order will be shipped by UPS. Send this Completed con	upon to:
	Lanier R/C
	P.O. Box 458

Oakwood, GA. 30566 ATTN: Parts Department