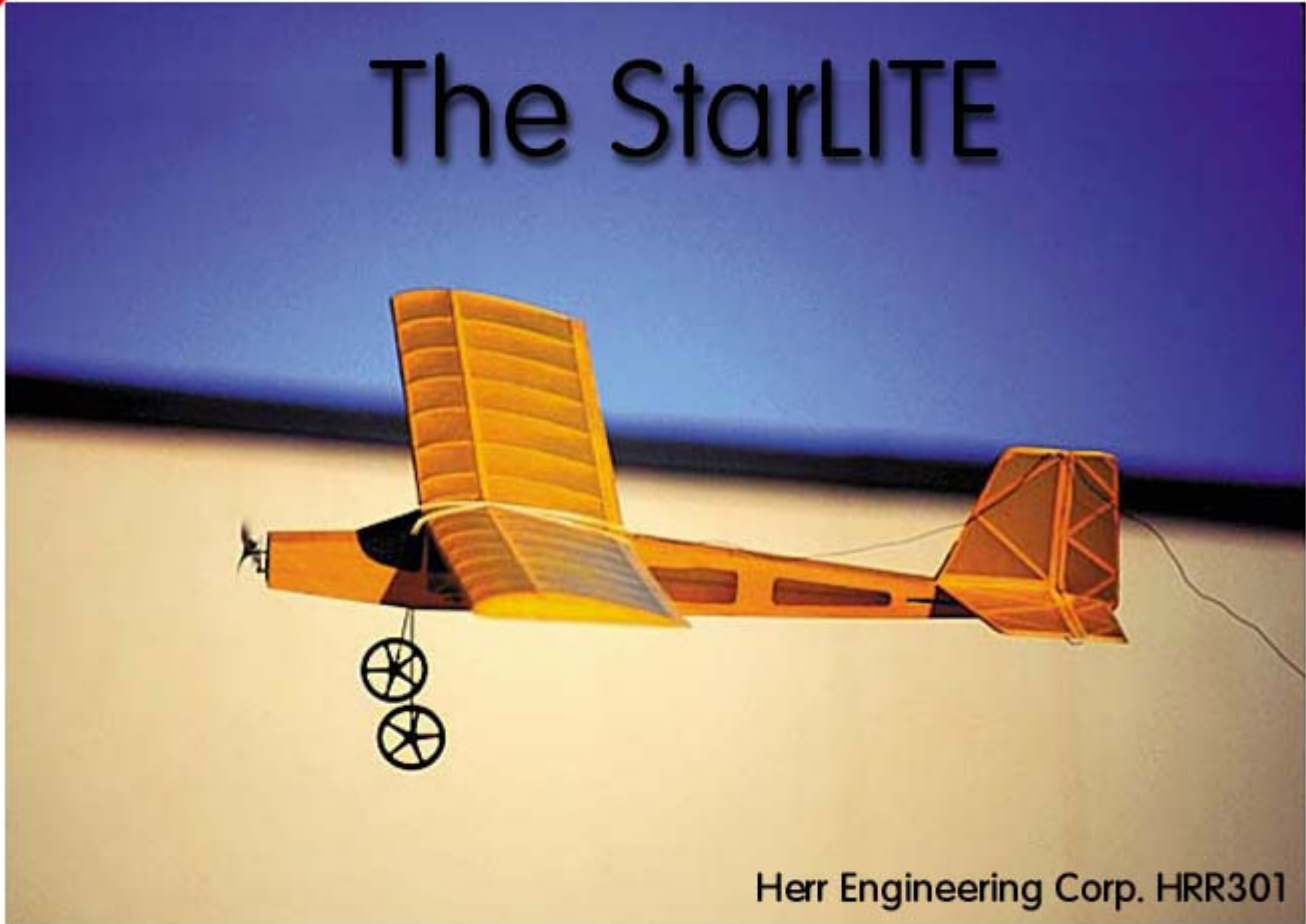




The StarLITE



Herr Engineering Corp. HRR301



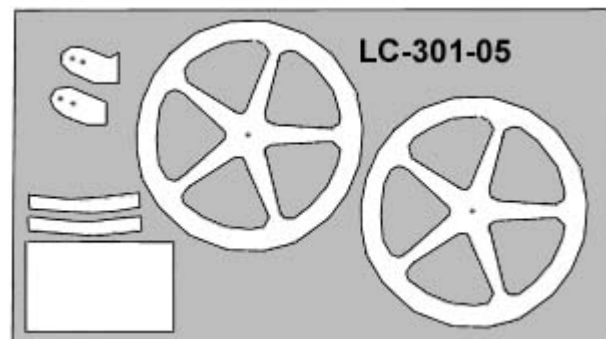
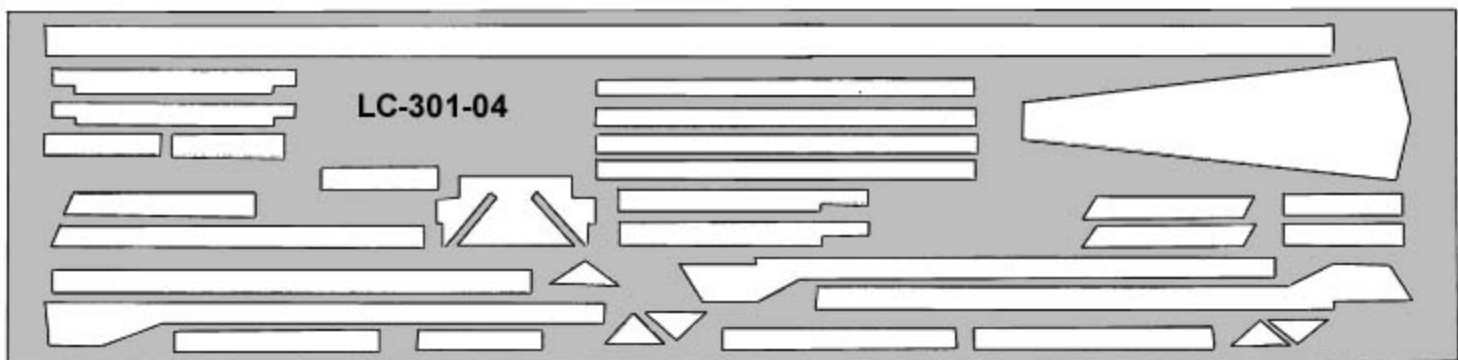
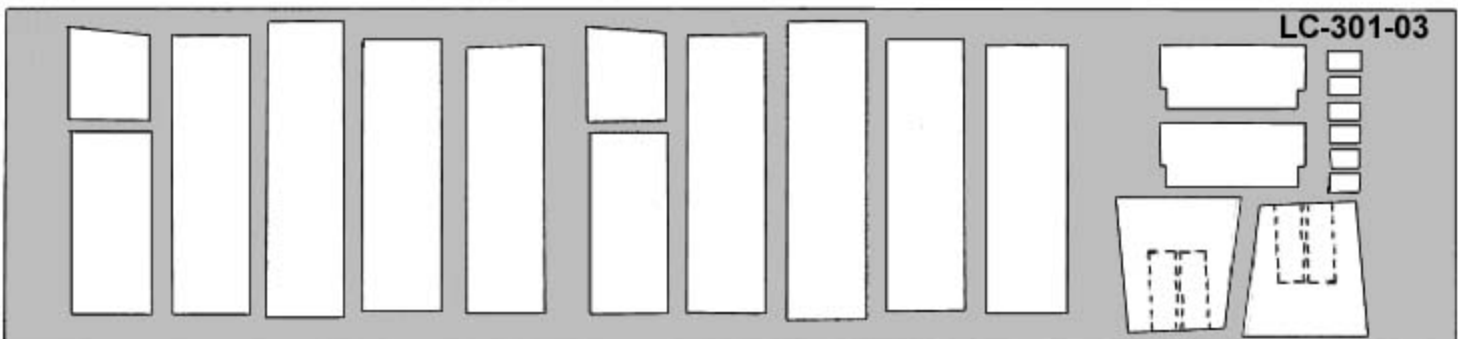
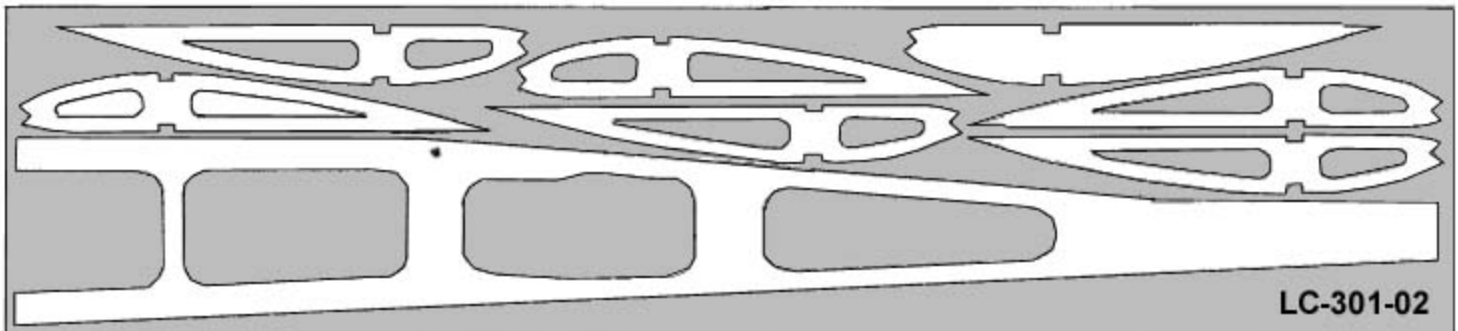
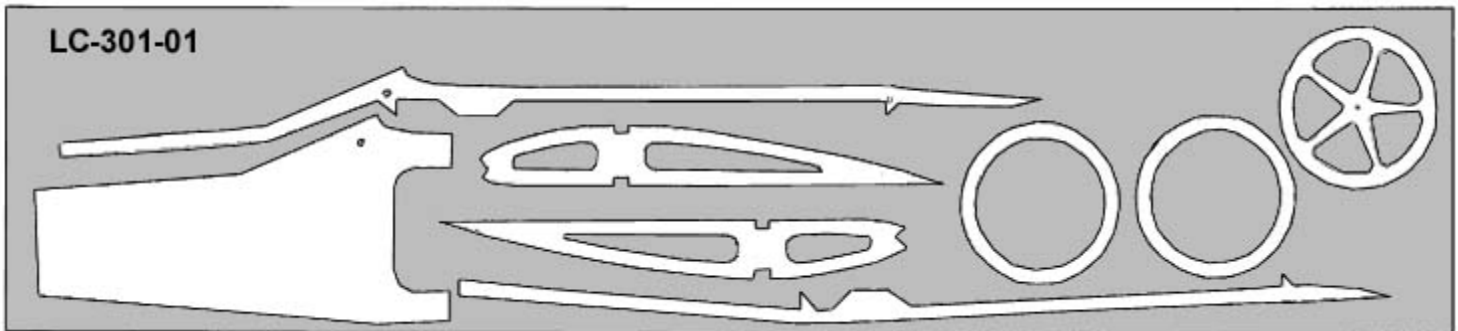
ASSEMBLY INSTRUCTIONS

Your kit contains the following parts. Please check your kit for any missing or damaged parts before starting construction.

COMPLETE KIT PARTS LIST

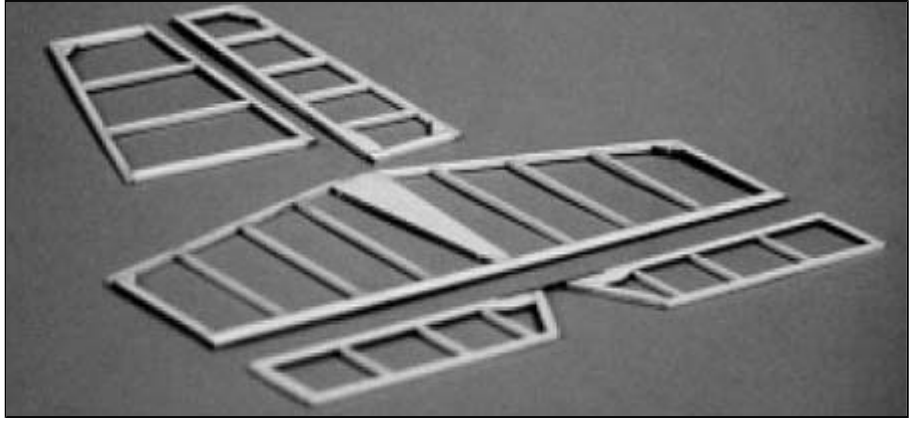
2	LC-301-01	1/16x4x18 Laser Cut Balsa Sheet	2	LC-301-02	1/16x4x18 Laser Cut Balsa Sheet
1	LC-301-03	1/32x3x12 Laser Cut Balsa Sheet	1	LC-301-04	3/32x3x12 Laser Cut Balsa Sheet
1	LC-301-05	1/32x3x6 Laser Cut Plywood Sheet	4	Fuselage Sheet	1/32x3x12 Balsa
4	Trailing Edge Sheet	1/32x1/2x18 Balsa	4	Main Spars	3/32x3/16x18 Balsa
2	Leading Edges	3/16 sq.x18 Balsa	1	Fuselage Braces	1/16 sq.x18 Balsa
3	Tail Surface Strips	3/32 sq.x18 Balsa	1	Motor Mount Blocks	1/4 Triangle x3 1/4 Balsa
7	Pushrod Ends / Axle	1/32 dia. x2 Music Wire	4	Pushrod Keepers	.01 dia. x2 Music Wire
2	Axle Bearings	1/16x1/4 Aluminum Tube	2	Pushrods	.050 dia. x12 Carbon Rod
3	Wing Dowels / Elevator Joiner	.050 dia. x2 Carbon Rod	2	Landing Gear Legs	.060 dia. x4 3/4 Carbon Rod
1	Binding	6 Kevlar or Carbon TOW	2	Tissue	Yellow Tissue (full sheet)
1	Tissue	Black Tissue (1/2 sheet)	1	Plan Sheet A	
1	Plan Sheet B		1	Instruction Book	

You can identify the Laser Cut parts using the full size drawings shown on the plans.



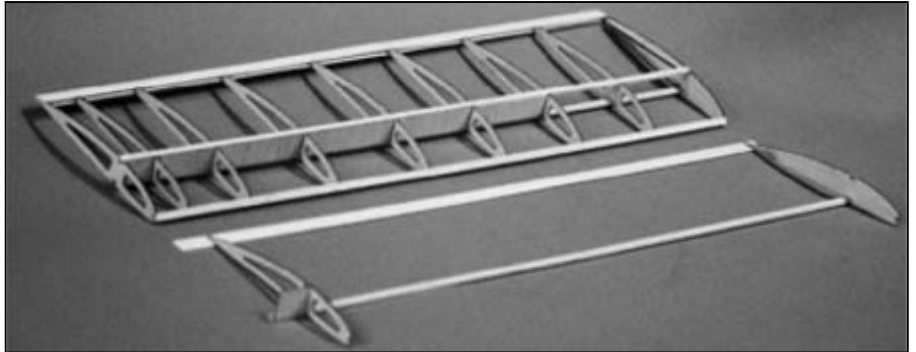
Building the StarLITE is rather simple. However great care must be taken to keep the finished model light. You're finished model should weigh close to 4 oz. and should not be heavier than 5 oz. The receiver, motor, prop, servos and batteries should not weigh more than 2 1/4 oz. If you substitute heavier equipment you're model will not fly as designed. Use traditional model airplane cement such as Testors or Sigment for construction. C/A glue should not be used for general construction as it will add too much weight and makes sanding difficult on the small sizes of wood used in this model. C/A may be used to glue the landing gear, elevator joiner and pushrod ends.

1. The tail surfaces are built from 3/32" balsa. After covering the plywood control horns are glued into slots and the rudder and elevator are hinged with small strips of tape.



2. The wing is built in two halves. The lower trailing edge and lower main spar are pinned to the building board. Then the tip rib, the second rib and the shear web SW-1 are glued into position. Now the first W-1 rib is glued into position using the angle on the shear web to set the angle for the dihedral.

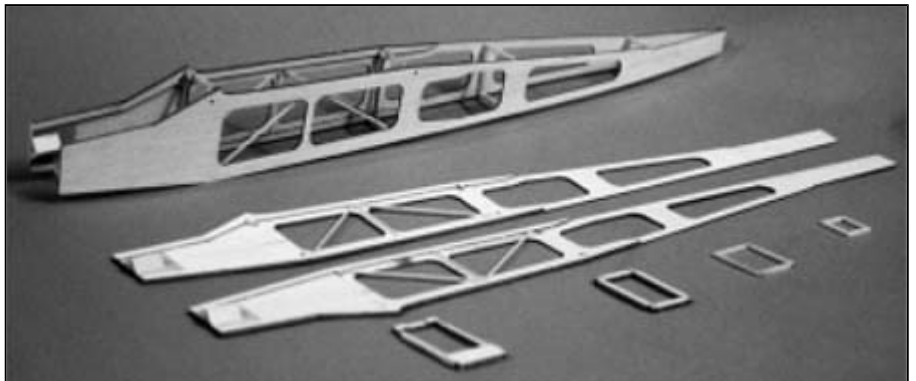
Finally the rest of the ribs, the trailing edge, the top spar, the leading edge and the remaining shear webs are glued into position.



3. After both wing halves are built they are glued together and then the center ribs are notched to accept the top and bottom plywood dihedral braces which are glued to the front of the shear webs directly in front of the spars.



4. The fuselage is a simple box structure. First glue the doublers, 1/16" sq. braces and the 1/4" balsa motor mount triangles to the fuselage sides. Then assemble the four formers. Glue formers F-5 and F-6 to one side and then add the other side. Pull the aft end together and glue in the two remaining formers and glue the tail post. Now sheet the top and bottom with cross grain 1/32" balsa sheet.

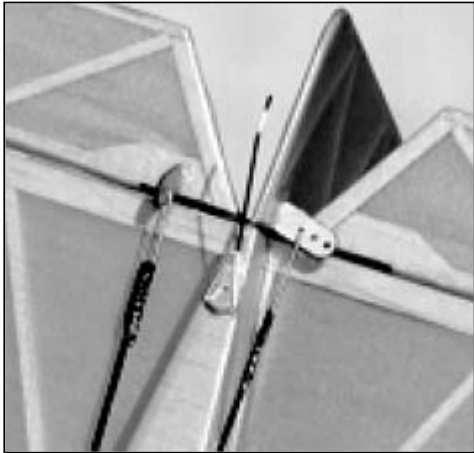


5. The motor is mounted on a 1/32" plywood plate that is installed into the nose of the model between the triangle mounting blocks. This should be a press fit and you can apply a small amount of glue to the edges of the mounting plate to thicken it to achieve a snug fit.

6. The entire model was covered with tissue and finished with two coats of thinned down nitrate dope. The tail surfaces are covered separately and then glued to the model. Be careful to keep the aft end of the model light.



7. The servos are just pressed into cavities in a small block of white foam that is glued to the bottom of the cabin area. Adjust the servo position and the batteries to get the model to balance at the point shown on the plan.



Set the control throws to 5/8" left and right for the rudder and 3/8" up and down for the elevator.

WARRANTY

Herr Engineering Corp. guarantees this kit to be free from defects in both materials and workmanship at the time of purchase. This warranty does not cover any component damaged buy use or modification. In no case shall Herr Engineering Corporation's liability exceed the original cost of the purchased kit. Further Herr Engineering Corp. reserves the right to change or modify this warranty without notice. In that Herr Engineering Corporation has no control over the assembly or use, no liability shall be assumed or accepted for any damage resulting from the use by the user during construction of the kit or the use of the final user assembled product. By the act of building this kit and/or using the final user assembled product, the user accepts all liability. If the buyer and/or user is not prepared to accept all of the liability associated with this product, he is advised to immediately return this kit in new and unused condition to the place of purchase for a full refund.

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