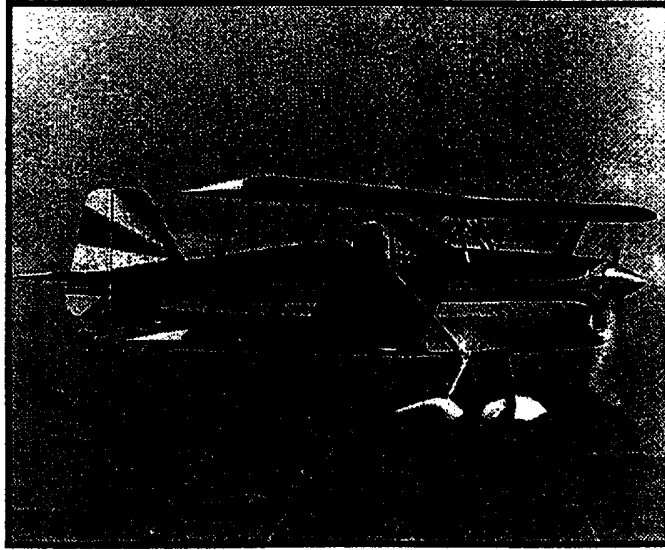


# ACROLITE

Designer: Ron Wilson



Finalist in the Aircraft Spruce Aircraft Design Contest



WEST: P.O. Box 4000, Corona, CA 92878-4000 • 225 Airport Cir., Corona, CA 92880 • Fax (951) 372-0555  
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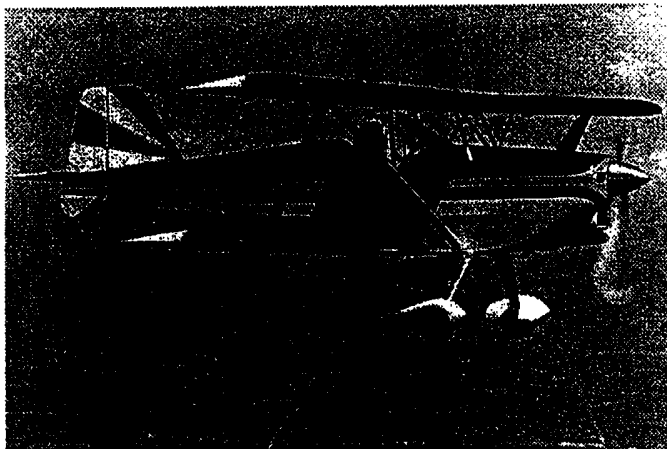
**1-877-4-SPRUCE**

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## AIRCRAFT SPRUCE & SPECIALTY CO.

Worldwide Distributors of Certificated and Homebuilt Aircraft Supplies



### Acrollite 1B Designer: Ron Wilson

<b>Top Speed:</b>	<b>130 mph</b>
<b>Cruise:</b>	<b>110 mph</b>
<b>Range:</b>	<b>250 sm</b>
<b>Takeoff Distance ft.:</b>	<b>500</b>
<b>Landing Distance, ft.:</b>	<b>500</b>
<b>Service Ceiling ft.:</b>	<b>12,000</b>
<b>Engine:</b>	<b>Rotax 912 (Rotax 532-618 Optional)</b>
<b>HP/HP Range:</b>	<b>55 to 120</b>
<b>Fuel capacity, gal.:</b>	<b>8</b>
<b>Empty Weight, lbs:</b>	<b>495</b>
<b>Gross Weight, lbs.:</b>	<b>750</b>
<b>Height, ft.:</b>	<b>6'</b>
<b>Length, ft.:</b>	<b>17'</b>
<b>Wing Span:</b>	<b>20' x 2</b>
<b>Wing area:</b>	<b>133 sq. ft.</b>
<b>No. of seats:</b>	<b>1</b>
<b>Landing Gear:</b>	<b>One piece formed aluminum</b>
<b>Bldg. materials:</b>	<b>Wood or Aluminum wing Steel Tube Fuselage Fabric Covered Fuselage Riveted aluminum Tube Tail</b>
<b>Bld. Time, Man Hrs:</b>	<b>2000</b>
<b>No. completed/flown:</b>	<b>1</b>
<b>Plans Cost:</b>	<b>\$300.00</b>
<b>Cost:</b>	<b>Approx. \$6500.00</b>

16 raw materials kits will be available for construction of the aircraft. Approximate cost of \$6500.00 includes materials for basic airframe, either wood or aluminum wing, covering and basic instrumentation.

# ACROLITE KITS

Info Pack	01-20005	\$5.00
Plans	01-20090	\$300.00
Plans Kit includes Plans, Builders Manual, Maintenance Manual and Photo Set.		

## MATERIALS REQUIREMENTS

Kit #1	Aluminum Tube Kit	01-20010	\$883.00
Kit #2	4130 Tube Kit	01-20015	\$614.00
Kit #3	Aluminum Sheet and Bar Kit	01-20020	\$524.00
Kit #4	4130 Sheet and Bar Kit	01-20025	\$362.95
Kit #5	Aluminum Wing Kit	01-20030	\$1,903.00
Kit #6	Misc. Wood Kit	01-20035	\$176.95
Kit #7	Wood Wing Kit (Optional)	01-20040	\$1,796.00
Kit #8	Fastener Kit	01-20045	\$267.95
Kit #9	Control Sysytem Kit	01-20050	\$389.95
Kit #10	Fuel System Kit	01-20055	\$351.95
Kit #11	Misc Hardware Kit	01-20060	\$76.50
Kit #12	Wheels and Brakes Kit	01-20065	\$434.95
Kit #13	Misc. Accessories Kit	01-20070	\$301.95
Kit #14	Basic Instruments Kit	01-20075	\$893.00
Kit #15	Covering Kit	01-20080	\$748.00
Kit #16	Cowl Kit	01-20085	\$133.95



**AIRCRAFT SPRUCE WEST**  
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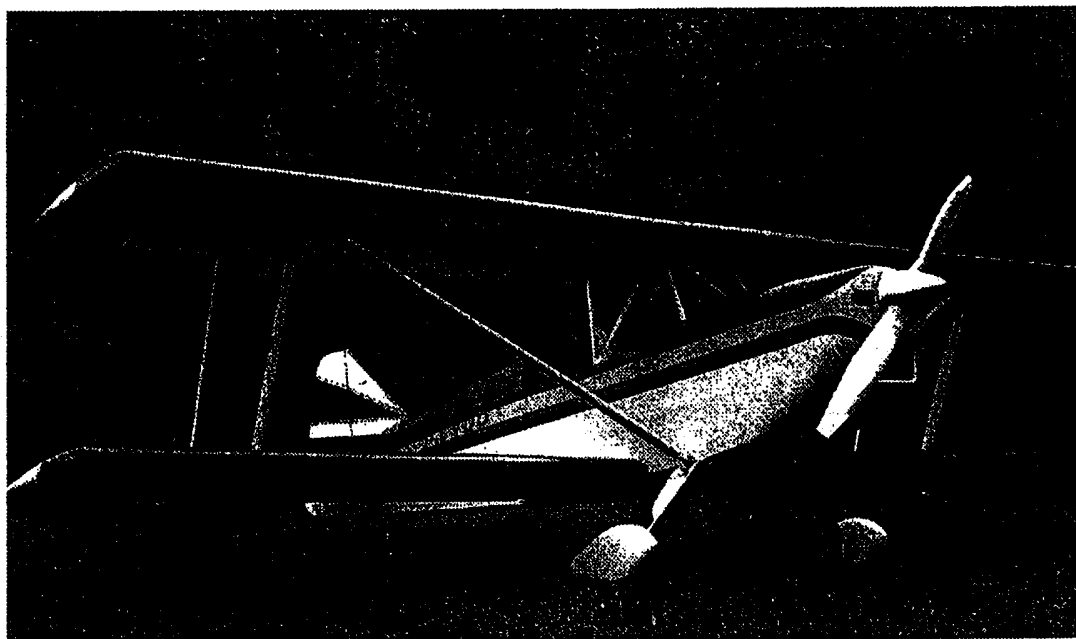
# **ACROLITE**

## **FINALIST IN AIRCRAFT SPRUCE'S SCRATCH BUILT DESIGN CONTEST**

by

**Jack Cox**

**(Reprinted from Sport Aviation Feb.'97)**



Several years ago Aircraft Spruce & Specialty announced its sponsorship of an aircraft design contest that had as its goal the development of new homebuilts that could be built from scratch...from plans and/or building instructions and raw materials. Not everyone can afford a kit, so the contest was intended to produce interesting new aircraft that could be built as customers could afford to purchase materials. The design competition began as a paper exercise, with drawings due on a specified date. Preliminary winners would be announced at Oshkosh '95 and presented with certificates that entitled them to \$10,000 worth of materials from Aircraft Spruce, which was to be used to build the airframes of their prototypes. The completed aircraft were to be flown to Oshkosh '96 to be considered for a \$5,000 cash prize, a trophy and a marketing contract from Aircraft Spruce. Two preliminary winners were announced at Oshkosh '95: Ron Wilson's entry-level aerobatic biplane, the Acrolite, and Mitchell Cronig's 2-seat cross-country cruiser, the MC1 Comet. Cronig's Comet did not make it to the '96 Convention, but Ron Wilson's Acrolite did and was showcased throughout the week in Aircraft Spruce's outdoor display area adjacent to the new North Exhibit Hangar.

The Acrolite is a single place, open cockpit, tube and rag biplane powered by an 80 hp Rotax 912. It has a fixed pitch, wood, 68" x 48" propeller; a 10" aluminum spinner; a fiberglass cowl and a welded steel tube fuselage. The tail surfaces are made of aluminum tubing, and the wings are all wood. The equal span wings are 20 ft. long and have equal chords of 40 in. The total area is 133 sq. ft. Length is 17 ft. and the height is 6.5 ft. The empty weight of the prototype is 495 lbs. and standard gross is 750 lbs. The airframe was designed for 6g, with an ultimate load of 9. Top speed is 130 mph and cruise is 110 mph at 5000 engine rpm. The power-off stall occurs at 45 mph, and with power the break comes at 39.

The Acrolite's steel tube fuselage consists of 5/8" longerons and 1/2" diagonals and intercostals. The cockpit is 24" wide at the pilot's shoulders and is long enough to accommodate a wide range of torsos. The tail surfaces are built up out of aluminum tubing, using gusset plates and rivets. A single slab of 2024 T3 aluminum, bent to shape in a 30 ton hydraulic press, serves as the main gear and is simply clamped to the lower longerons. 4:00 x 5 tires are mounted on five inch Azusa go-cart wheels with drum brakes, and fiberglass wheel pants keep gravel off the bottoms of the wings. The steerable tailwheel assembly was built up using two leaf springs and an industrial castor for the wheel.

The all-wood wings have box spars, built-up truss ribs and are sheeted with 1/16" plywood. A Harry Ribblet GA 30-312 airfoil is used. A 16" positive stagger is utilized in positioning the upper and lower wings, and strut rather than wire bracing is used, both for ease of assembly/disassembly and to avoid the high cost of aircraft flying and landing wires. The struts are 1.25" x 3.5" streamline tubing. The elevator and ailerons are actuated with push rods and the rudder is wagged with cables. The stick is directly linked to the bottom wing ailerons and slave struts extend upward from them to drive the top wing ailerons. The entire airframe, including the plywood covered wings, is covered with Poly Fiber fabric and finished with Polytone paint.

Ron Wilson, the designer of the Acrolite, was born in northern Ontario, but moved with his family to Thunder Bay when he was six. He grew up there but currently lives in the nearby town of Murillo. After high school he went to work for Northern Wood, first in the millwright shop, then for the past 15 years as manager of the company's wood treating operation. While in the millwright shop, he designed wood processing equipment, mostly conveyors and log handling machinery.

Always interested in aviation, Ron learned to fly about 20 years ago in a Cherokee 140. After obtaining his Private license he bought a Cessna 140 and flew it for the next 10 years. At that point he had become interested in homebuilts and, particularly, in ultralights as they are defined in Canadian regulations. He saw the field as offering opportunities to exercise his creativity, so he sold his Cessna and began building a Sonerai. About 3/4 of the way through the project, a fellow pilot decided he wanted the airplane more than Ron, so it was sold. Suddenly without an airplane or project, Ron really took a serious look at the ultralights when he made his annual sojourn to Oshkosh the following summer.

He had joined EAA and begun attending the Conventions at Oshkosh about the time he learned to fly and was a faithful attendee at the various technical forums. In addition, he bought all the books on light aircraft design he could find and studied them assiduously. His goal from the beginning was to design and build his own aircraft an ambition bolstered by the fact that his son was a mechanical engineer and he had several friends who were also engineers. Any tasks, such as stress analysis, that he considered to be outside his capabilities could always be referred to his own panel of experts.

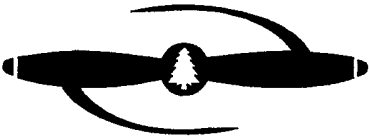
Intent on wading into the water gradually, Ron decided to gain some practical experience by first building a Hovey Deltabird, which he flew for a couple of years. At that point he designed and built his own ultralight (Canadian rules) biplane, which he powered initially with a 440 Kawasaki snowmobile engine. A Rotax 440 was ultimately substituted and is in the airplane today. Now 10 years old, the little biplane is still flown regularly by Ron and his flying club friends, and continues to serve its original, intended purpose of providing inexpensive, purely fun flying.

When the Aircraft Spruce Scratch-Built Design Contest was announced, Ron saw it as an opportunity to advance his ultralight biplane design by another generation, so he promptly entered the competition. He was named a preliminary winner in 1995— then was faced with the rather formidable task of building and test flying a prototype in just one year. Even with just a simple, open-cockpit biplane involved, that would have been mission impossible for a person still gainfully employed, but Ron had already formulated a plan to get the job done. He had three friends who would do most of the building, leaving him some of the small parts fabrication, the drawings and construction manual. His crew consisted of Peter Eisenbach, who built the steel tube fuselage and tail feathers and installed the Rotax 912 engine; Vern Ennis, who built the wings and other wood components; and Harold Spithoff, who did the covering and built most of the little fittings and brackets.

The four of them worked through the winter of 1995/96 and indeed did have the Acrolite ready to fly by late Spring of 1996. It was flown for the first time on June 5, and after its 25 hour restrictions were flown off, the airframe was disassembled for painting. It went back together just prior to Oshkosh '96 and was on display there with the paint literally still curing.

A number of people have flown the airplane and Ron says no one has had any trouble with it, even those with minimal taildragger time. The airplane is very docile, he says, both on the ground and in the air, and 200 plus pounders have no difficulty getting in and out of it. It is flown from the local flying club's 2,000 ft. grass strip, which is perfectly suited for a lightweight fun flyer like the Acrolite. The \$10,000 allowance for materials supplied by Aircraft Spruce took care of the major costs incurred in the building of the airframe, and Ron and his friends put a similar amount into the purchase of a new Rotax 912, propeller and instruments. That amount represents retail prices for all-new materials and components, including the engine.

As per the contest rules, Aircraft Spruce will sell plans and materials kits for the Acrolite. At the beginning of 1997 Spruce was hard at work on the marketing effort, with the goal of an early spring introduction of the Acrolite. Watch Hot Line for an announcement of the availability of the plans and materials packages.



## AIRCRAFT SPRUCE & SPECIALTY CO.

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### Acrolite Kit #1 Aluminum Tube P/N 01-20010

AMOUNT	SIZE	PART NO.	MATERIAL	LOCATION
2	5/8"x.058x4'	03-36010	6061-T6 Round Tube	Aileron pushrods
2	5/8"x.058 x4'	03-36010	" " "	Elevator TE
1	5/8"x.058x4'	03-36010	" " "	Rudder TE
1	5/8"x.058 x2'	03-36010	" " "	Rudder pedal mount
2	3/4"x.058x5'	03-36300	" " "	Stabilizer LE
1	3/4"x.058 x4'	03-36300	" " "	Elevator & rudder braces
1	3/4"x.058 x1'	03-36300	" " "	Rudder pedal spacer
1	1"x.058x7'	03-36700	" " "	Elev pushrod
1	1"x.058x5'	03-36700	" " "	Stab braces
1	1"x.058x4'	03-36700	" " "	Elev & stab doublers
1	1"x.058 x4'	03-36700	" " "	Elev & rudder
2	1 1/8"x058x7'	03-37000	" " "	Elev & stab spars
4	1 1/4"x058x8'	03-37300	" " "	Aileron spars
2	3 1/8"x1 1/4"x7'	03-39010	Streamline Tube	Lift struts
2	3 1/8"x1 1/4"x4'	03-39010	" "	Interplane struts
1	1/4"x12'	03-39300	5052-0 Alum Tube	Pitot line

### Acrolite Kit #2 4130 Tubing P/N 01-20015

3'	5/8"x5/8x049	03-12500	4130 Square Tube	Fuse stab attach
12'	3/4"x3/4x049	03-12800	" " "	Fuse cabane
3'	1/2"x095	03-02800	4130 Round Tube	Gear, Wing & Engine mount
72'	1/2"x035	03-02400	" " "	Fuselage bracing
148'	5/8"x035	03-03600	" " "	Fuselage
12'	5/8"x049	03-03700	" " "	Motor mount, Brake pedals
2'	5/8"x065	03-04900	" " "	Axels
2'	3/4"x049	03-04400	" " "	Rudder pedals,
2'	3/4"x058	03-04500	" " "	Control stick,
4'	1"x035	03-06100	" " "	Fin post
1'	1"x058	03-06300	" " "	Motor mount
1'	1 1/8"x058	03-07100	" " "	Aileron arms
3'	1 1/2"x049	03-08900	" " "	Torque tube
1'	7/8"x058	03-05500	" " "	Rudder cable guides
15'	1.18x.5x035	03-11400	4130 Streamline Tube	Fuselage cabane



## AIRCRAFT SPRUCE & SPECIALTY CO.

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### Acrolite Kit #3 Aluminum Sheet & Bar P/N 01-20020

AMOUNT	SIZE	PART NO.	MATERIAL	LOCATION
1	3'x3'x025	03-27940	2024-T3 Sheet	Top cowling
1	2'x4'x025	03-27950	" " "	Wing center section
1	2'x2'x025	03-27960	" " "	" " " "
1	1'x2'x040	03-28160	" " "	Panel bulkhead
1	2'x4'x050	03-28250	" " "	Gussets, Panel
1	1'x3'x125	03-28750	" " "	Spar plates
1	4'x4'	03-30950	5052 Aluminum Sheet	Fuel tank
1	1"x1'	03-42200	Round Aluminum Rod	E pushrod, Stab hinges
1	1"x1"x2'	03-45300	2024-T3 Bar	Lift struts
1	3/8"x1 1/4"x4'	03-43900	" " "	Tail spring, Gear strap
1	5/8"x6"x6'	03-43910		Main gear
4	3/16x1 1/4"x8'	03-48900	Trailing Edge	Ailerons

### Acrolite Kit #4 4130 Sheet and Bar P/N 01-20025

AMOUNT	SIZE	PART NO.	MATERIAL	LOCATION
1	9"x18"x063	03-23500	4130 Sheet	Fittings
1	18"x18"x050	03-23200	" " " "	
1	9"x18"x032	03-22520	" " " "	
2'	3/16"x5/16"	03-16600	Bushing Stock	Controls
2'	1/4"x3/8"	03-16700	" " " "	
2'	5/16"x7/16"	03-16800	" " " "	
1	2'6"x36"x018	03-31200	Stainless Sheet	Firewall





## AIRCRAFT SPRUCE & SPECIALTY CO.

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### Acrolite Kit #5 Aluminum Wing P/N 01-20030

8	2'x9'x020"	03-27810	2024-T3 Alum Sheet	Wing trailing edge
4	2'6"x9'x025"	03-27910	" " " "	Wing leading edge
1	4'x12'x025"	03-27910	" " " "	Wing ribs
8	6 1/4"x9'x032"	03-28010	" " " "	Wing main spars
4	3"x9'x032"	03-28010	" " " "	Wing aft spars
2300	1/8" x 1/8"	CCC-42	Stainless Rivets	Wing sheeting
500	1/8" x 1/4"	CCP-44	" " "	Wing spar, tail

### Acrolite Kit #6 Misc Wood P/N 01-20035

7	1/4"x1"x5'	02-141	Sitka Spruce	Turtle deck
1	3/16"x4'x4'	02-24610	Plywood	Floor, Turtle deck
1	3/16"x2'x4'	02-24630	" "	Wing tip plates

### Acrolite Kit #7 Wood Wing (Optional) P/N 01-20040

8	3/4"x1"x9'	02-341	Sitka Spruce	Main spar beams
4	3/4"x1 1/2"x9'	02-34112	" " " "	Aft spars
1	1"x3"x6'	02-13	" " " "	Spar filler blocks
4	3/4"x1 3/4"x9'	02-34134	" " " "	Leading edge
1	3/8"x1 1/4"x5'	02-38114	" " " "	Trailing edge
400'	1/4"x3'8"	02-1438	" " " "	Rib capstrips
9	1/16"x4'x8'	02-18980	Plywood	Wing sheeting, Spar webs
1	Qt. kit	T-88-QT	T88 Glue Kit	
1	1/2 lb	AN301-20-3	Nails	

15 yd	1.7 oz P-106	09-02000	Poly-Fiber Fabric
3 gal		09-04200	PolyBrush
3 gal		09-04500	PolySpray
2 gal		09-04800	Reducer

24	3/16x5/8"	AN3-10A	Bolts	Aileron arms
14	3/16x1"	AN3-13A	"	Spar fittings
28	3/16x1 1/8"	AN3-14A	"	Spar plates
4	1/4x1 1/2"	AN4-14A	"	Spar fittings
16	3/16x1 3/32"	MS24694-S59	Ctsk Head Bolts	Aft spar plates



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### Acrolite Kit #5 Aluminum Wing P/N 01-20030

8	2'x9'x020"	03-27810	2024-T3 Alum Sheet	Wing trailing edge
4	2'6"x9'x025"	03-27910	" " " "	Wing leading edge
1	4'x12'x025"	03-27910	" " " "	Wing ribs
8	6 1/4"x9'x032"	03-28010	" " " "	Wing main spars
4	3"x9'x032"	03-28010	" " " "	Wing aft spars
2300	1/8" x 1/8"	CCC-42	Stainless Rivets	Wing sheeting
500	1/8" x 1/4"	CCP-44	" " "	Wing spar, tail

### Acrolite Kit #6 Misc Wood P/N 01-20035

7	1/4"x1"x5'	02-141	Sitka Spruce	Turtle deck
1	3/16"x4'x4'	02-24610	Plywood	Floor, Turtle deck
1	3/16"x2'x4'	02-24630	" "	Wing tip plates

### Acrolite Kit #7 Wood Wing (Optional) P/N 01-20040

8	3/4"x1"x9'	02-341	Sitka Spruce	Main spar beams
4	3/4"x1 1/2"x9'	02-34112	" " " "	Aft spars
1	1"x3"x6'	02-13	" " " "	Spar filler blocks
4	3/4"x1 3/4"x9'	02-34134	" " " "	Leading edge
1	3/8"x1 1/4"x5'	02-38114	" " " "	Trailing edge
400'	1/4"x3'8"	02-1438	" " " "	Rib capstrips
9	1/16"x4'x8'	02-18980	Plywood	Wing sheeting, Spar webs
1	Qt. kit	T-88-QT	T88 Glue Kit	
1	1/2 lb	AN301-20-3	Nails	

15 yd	1.7 oz P-106	09-02000	Poly-Fiber Fabric
3 gal		09-04200	PolyBrush
3 gal		09-04500	PolySpray
2 gal		09-04800	Reducer

24	3/16x5/8"	AN3-10A	Bolts	Aileron arms
14	3/16x1"	AN3-13A	"	Spar fittings
28	3/16x1 1/8"	AN3-14A	"	Spar plates
4	1/4x1 1/2"	AN4-14A	"	Spar fittings
16	3/16x1 3/32"	MS24694-S59	Ctsk Head Bolts	Aft spar plates



## **AIRCRAFT SPRUCE & SPECIALTY CO.**

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### **Acrolite Kit #9 Control System P/N 01-20050**

30	1/8"x7x19	05-04400	Control Cable	Rudder cables
6	3/4"x3/4"	05-05500	Cable Fairlead	Rudder cables
8	1/8"	18-3-M	Nicopress	Rudder cables
6	1/8"	AN100-4	Thimble	Rudder cables
6	1/8"	AN115-21	Shackles	Rudder cables
12	1/2"x1/4"	AN490HT8P	Rod End	Push Rods
2	5/8"x5/16"	AN490HT10P	Rod End	Push Rods
18	3/16" Male	MM-3	Aurora Rod End Brgs	Aileron hinges
12	1/4" Female	MW-4	Aurora Rod End Brgs	Aileron pushrods
2	5/16" Male	MM-5	Aurora Rod End Brgs	Elevator pushrod
2	5/16" Female	MW-5	Aurora Rod End Brgs	T Tube pushrod
2	7/16" Male	HMX-7G	Heim Rod End Bearing	Lift struts
2	1/4"	BC4W10	Bellcrank Bearing	Aileron idler arms

### **Acrolite Kit #10 Fuel System P/N 01-20055**

1	1/4"	05-23325	Min fuel valve	Fuel line
1	1/4"	10560	Gascolator	Fuel line
1		10371	Bracket	Fuel line
2	3/8"	AN840-6D	Hose nipple	Fuel line
1	3/8"	AN842-6D	Hose nipple	Fuel line
10'	3/8"	6000-6	Fuel line	Fuel line
1	1/4"	05-17700	Finger strainer	Fuel tank
1	3/8"	806	Fuel line filter	Fuel tank
1	9"	395-5S	Fuel level sender	Fuel tank
3	1/4"	AN867-2	Welding flanges	Fuel tank
2	1-1/2"	10362-2	Bushing	Fuel tank
2	1-1/2"	10363	Ring	Fuel tank
1	1-1/2"	10450-1	Fuel cap & neck	Fuel tank
2	1"x36"	05-20400	Fuel tank straps	Fuel tank
2	3/16"	05-20200	Tank strap T bolts	Fuel tank
8'	1"	05-01800	AntiChafe Molding	Fuel tank



## **AIRCRAFT SPRUCE & SPECIALTY CO.**

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### **Acrolite Kit #11 Misc Hardware P/N 01-20060**

1	1/4"	AN832-4D	Fitting	Pitot line
1	1/4"	AN833-4D	Fitting	" "
3	1/4"	AN819-4D	Sleeve	" "
3	1/4"	AN818-4D	Nut	" "
2	1/4"	AN924-4D	Nut	" "
1	1-1/4"x.04x6'	MS20257P3	Piano Hinge	Engine cowling
1	10"	10303	Spinner	
1		10304	Spinner Bulkhead	
1	Model #4	05-15950	2 Lever Quadrant	Throttle Control

### **Acrolite Kit #12 Wheels & Brakes P/N 01-20065**

1	500x5	06-03100	Wheel & Brake kit	Landing gear
1	4"	06-03500	Tailwheel	Landing gear
2	#112-Eagle	05-22117	Wheel Fairings	Landing gear
15'	3/23"	05-05300	Vinyl Coated Cable	Brake Cables

### **Acrolite Kit #13 Misc Accessories P/N 01-20070**

1	19x24	05-99175-C	Fiberglass Seat Shell	Cockpit
1	4'x4'x080	03-50408	Lexan Sheet	Windshield
1	12'	05-01300	Rubber Molding	Windshield
20'		05-01600	Rubber Molding	Windshield
3ft <sup>2</sup>		05-00750	Baffle Fabric	Engine Cowling
1 rl	1"x15'	09-31800	Cowl Chafe Seal	Engine Cowling
1	24'	05-01400	Rubber Molding	Center section
1	2" Set	13-00801	Seat Belts	
1		09-33200	NamePlate	



## AIRCRAFT SPRUCE & SPECIALTY CO.

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### Acrolite Kit #14

#### Instruments

P/N 01-20075

1		A-510-2	Keyswitch	Instrument panel
1	2 1/4"	WT011	Water Temp	" "
1	2 1/4"	2A7	Fuel level	" "
1	2 1/4"	AM011	Ammeter	" "
1	2 1/4"	10-00119	Tachometer	" "
1	2 1/4"	C2300-L4	Compass	" "
1	0-160	10-02917	Airspeed	" "
1	3 1/8"	10-04400	Altimeter	" "
1	2 1/4"	10-00600	Bank Indicator	" "
5	1"	100PL-6	Lord Mounts	" "

### Acrolite Kit #15

#### Covering & Finishing

P/N 01-20080

1 gal		800-1G	Zinc primer	Fuselage, Fittings
15 yd	1.7 oz P-106	09-02000	Poly-Fiber Fabric	Fuselage, Tail
1	3"x25yd	09-03100	Finishing Tape	" "
1	2"x50yd	09-02700	" " "	" "
1	3"x25yd	09-03570	" " "	" "
1	Spool	09-03900	Sewing Thread	" "
16	Seaplane	AN231-4	Seaplane Grommets	" "
4	4"	09-19200	Inspection Rings	" "
4	4"	09-19300	Inspection Plates	" "
1pr		05-05750	Cable Fairing	" "
1Qt		09-05000	Polytak Cement	" "
1 gal		09-40720	Cleaner	" "
3 gal		09-04200	PolyBrush	" "
3 gal		09-04500	PolySpray	" "
2 gal		09-04800	Reducer	" "

**6 gallons of Poly Tone required, not included in kit.**

### Acrolite Kit #16

#### Cowl

P/N 01-20085

1	1.2 gal	01-08400	West Epoxy Kit
1 pr	B	301-B/C	Mini Pump
5 yd	5.85 oz	7533-60	Fiberglas Cloth
1 qt		FC-900-QT	Stits Feather Coat