



## BRUCE'S CUSTOM COVERS

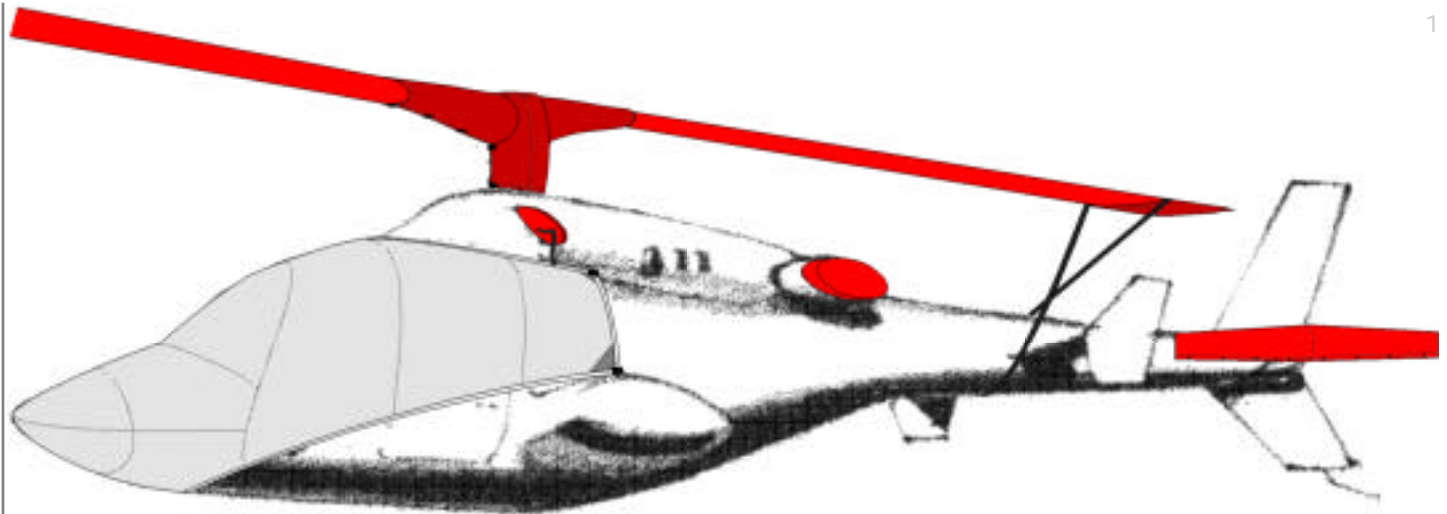
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*a div. of Canvas Works, Inc.*

*manufacturer of the finest custom-made aircraft covers*

### **Tech Sheet: Bell 430**



Covers for the Bell 430 are similar to those on the 230, shown here.

**The Bell 430 Bubble Cover** encloses the entire canopy and nose, including the windshield, skylights, chin windows, pilot and passenger windows. The cover attaches at 4 points. A strap at the upper rear corners attach to the support tube inside the engine access doors. At the lower rear corners a strap goes under the belly behind the fuselage winglets. Attachment buckles are made of non-metal Delrin™, designed for rugged outdoor use. Both the top and bottom hems of the cover have a special rope-hem feature with which they can be tightened to insure a perfect guarantee against wind-blown chaffing. Pockets are sewn into the cover for the temperature probe and pitot tube. A large reinforcement patch is sewn into the windshield section of the cover to prevent the windshield wipers from chafing through. For ease of installation, bubble covers are color-coded (red=left, green=right) with color swatches sewn into the corners.

**Windshield and Bubble Covers are made of nylon Silver Laminate.** Bruce's Custom Covers developed Silver Laminate especially for aircraft protection. The outer material is a medium weight nylon treated for ultraviolet resistance and anti-static buildup. The inner lining is brushed nylon tricot knit. Silver Laminate is extremely reflective. Tests show that the cabin interior temperature can be reduced by as much as 25 degrees. It is water, ice and snow repellent, yet it is breathable enough to allow moisture to escape from between the cover and the windshield surface. Silver Laminate contains no hydrocarbon compounds which can harm plexiglass windshields and acrylic finishes.

**The Engine Cover** forms a "saddle" over the engine area to enclose the intakes, exhaust, engine and oil cooling screens. It fastens with 5 belly straps which are adjustable and detachable from either side. There is a pocket sewn into the cover to allow for the red beacon mounted aft of the rotor mast. To get around the rotor mast, a Velcro closure goes forward to the front edge of the cover. The collar around the rotor mast, and the front and rear edges of the cover have bungee cord sewn into their hems to help maintain a tight fit. The cover is color-coded (red=left, green=right) for quick installation. The engine cover is made of durable heavy weight nylon. This material is extremely abrasion resistant, heat resistant, water repellent and lightweight.

**Blade Covers** are sewn of medium weight nylon pack cloth. Cut "full" to avoid trim tabs, blade covers can be installed from the ground with the aid of lightweight rope which is attached to the open end. Covers are cinched tight at the blade root with straps and Delrin buckles. A small opening at the tip of the cover allows for some air circulation and drainage. For operations in extremely cold weather, Cold Weather Blade Covers are fitted with full length zippers, and with "boots"

designed to accept a pre-heater hose. Made of medium weight nylon, blade covers are available in a variety of colors. A duffle bag is included.

**The Rotor Hub Cover** overlaps with the blade covers and engine cover to insure complete protection for the entire main rotor system. A bungee cord hem is used where the cover overlaps with the blade and engine covers. It is made of heavy weight nylon and fastens securely with a series of Delrin buckles.

**Blade Tie-Downs** are made for both the front and rear blade positions. The Tie-Downs are "socks" which fit over the blade tip with or without blade covers installed. The front blade tie-down has long straps with adjustable Delrin buckles which attach to the front cross-tubes, or front skid tie-down rings. The rear blade tie-down has two straps with weighted ends.

**The Tail Rotor Cover** is a one-piece design which fits over the blades, hub and drive shaft, fastening with snaps along its bottom edge. Made of medium weight nylon, tabs have been sewn into the tips of the cover so that it may be tied down in high winds.

**Intake Plugs and Pitot Covers** are made of durable red Naugahyde™ reinforced vinyl. They are designed to protect the helicopter's most vital components quickly, easily and thoroughly.

**Exhaust Covers** are carefully form-fit and made of heavy weight nylon. It has a bungee cord hem, and attaches with a plastic-coated metal hook at the end of a bungee cord. The hook attaches to the small ventilating grill forward of the exhaust.

**Horizontal Stabilizer Covers** quickly and easily cover the upper surfaces of the horizontal stabilizers and end plates. Delrin buckles and straps attach underneath the stabilizers.

**HeatShield Interior Reflectors** are made of a special laminate of metallized polyester film and closed cell foam. Less than 1/8" thick, the reflector is stiff enough when flat to stand up against the windshield using the sunvisors and window framing only. On some designs Velcro fasteners are necessary. HeatShields roll up and store in a sleeve, yet retain a memory to be flat whenever they are needed. HeatShields are an excellent short-term remedy for cockpit overheating, but the Canopy Cover offers a more effective and practical solution.

## **CURRENT PRODUCTS LIST as of: February 22, 2008** **Bell 430**

<b><i>DESCRIPTION</i></b>	<b><i>SET OF...</i></b>	<b><i>PART NO.</i></b>	<b><i>PRICE</i></b>
BUBBLE/CANOPY COVER (retract. gear model)	1	430-000	995.00
BUBBLE/CANOPY COVER (skid gear model)	1	430-001	995.00
WINDSHIELD COVER	1	430-002	375.00
ENGINE COVER (no snow baffles)	1	430-100	685.00
ENGINE COVER (with snow baffles)	1	430-105	685.00
ENGINE COVER (with snow baffles & engine access zippers)	1	430-106	895.00
ENGINE COVER, INSULATED (no snow baffles)	1	430-110	1,165.00
ENGINE COVER, INSULATED (with snow baffles)	1	430-115	1,165.00
ENGINE COVER, INSULATED (with snow baffles & engine access zippers)	1	430-116	1,385.00
ENGINE INLET PLUGS	2	430-200	195.00
ENGINE INLET PLUGS (for use with snow baffles)	2	430-201	285.00
SIDE COWLING PLUGS	4	430-210	215.00
EXTRACTOR DUCT PLUGS	4	430-211	130.00
SWASH PLATE PLUG	1	430-212	385.00

EXHAUST COVERS	2	430-220	230.00
ROTOR HUB COVER	1	430-300	295.00
BLADE COVERS	4	430-310	895.00
BLADE COVERS (COLD WEATHER TYPE)	4	430-320	1,430.00
BLADE TIE-DOWNS	4	430-400	495.00
TAIL ROTOR COVER	1	430-500	275.00
HORIZONTAL STABILIZER COVERS	2	430-600	275.00
TAILBOOM/HORIZ. STAB COVER	1	430-601	845.00
WINGLET COVERS	2	430-700	525.00
HEATSHIELD SET	12	430-900	440.00
SKYLIGHT HEATSHIELDS	2	430-910	95.00
WINDSHIELD HEATSHIELDS	2	430-911	195.00
FWD SIDE WINDOW HEATSHIELDS	2	430-912	145.00

**Prices subject to change. Other Covers and Design Alterations: Prices on request.**

**Prices are FOB Sunnyvale, CA. Sales tax on orders shipped to California addresses. Orders take approximately 3 weeks to complete. Normally we ship by UPS second day service. Next day shipping and air parcel post is available on request. We can take payment by Visa, Mastercard, American Express or by UPS-COD.**

**Bruce's Custom Covers offers protective covers and plugs for virtually every type of airplane, jet and helicopter. If you have questions about our products please call any time TOLL FREE: 800/777-6405, or FAX: 408/738-2729.**



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**INSTRUCTIONS: Print Form, Fill Out, Fax to 408/738-2729**

# AIRCRAFT COVER ORDERING INFORMATION

NAME \_\_\_\_\_

SHIPPING ADDRESS \_\_\_\_\_

PHONE, FAX, E-MAIL \_\_\_\_\_

**PAYMENT BY:** Visa  MasterCard  Amex  Discover  (check one)

All shipments are F.O.B. Sunnyvale, California, shipping by UPS (Ground or 2nd Day Service) unless requested otherwise.

Credit Card Number \_\_\_\_\_ Exp. Date \_\_\_\_\_ V-Code \_\_\_\_\_

\* Visa, Mastercard, Discover: last 3 numbers on back of card, right of signature. Amex: 4 smaller numbers printed on face of card.

AIRCRAFT TYPE \_\_\_\_\_ YEAR \_\_\_\_\_ N \_\_\_\_\_

reg. number

AIRCRAFT COLORS (be specific) \_\_\_\_\_

***Please specify below the items you would like to order.  
 See Technical Sheet for part numbers (or just fill in the description)***

	part number	quant	description	price
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				

***Optional Items (check the box of the item you want)***

*Imprint* aircraft registration number onto both sides of canopy cover. . . . . \$30.00

*Silkscreen* aircraft registration number onto both intake covers of jet engine cover set. . . 50.00

rev. date: 2/15/07