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BRUCE'S CUSTOM COVERS

989 E. California Ave.
Sunnyvale, CA 94085
www.aircraftcovers.com

Phone: 408/738-3959
Toll Free (U.S.): 800/777-6405
Fax: 408/738-2729
E-mail: bruce@aircraftcovers.com

a div. of Canvas Works, Inc.

manufacturer of the finest custom-made aircraft covers

Tech Sheet: Urban Air Lambada UFM 13



Lambada Canopy Cover (illustration)

Canopy covers help reduce damage to your airplane's upholstery and avionics caused by excessive heat, and they can eliminate problems caused by leaky door and window seals. They keep the windshield and window surfaces clean and help prevent vandalism and theft.

The Urban Air Lambada Canopy Cover is custom designed for each aircraft make and model as well as your aircraft's specific antenna and temperature probe placements. The Canopy Cover is designed to enclose the windshield, side windows and canopy roof. The Canopy Cover also attaches using adjustable "belly straps." When requested, it is sometimes possible to design Canopy covers that can attach to the aircraft fuselage using pop-riveted snap-heads. **The Extended Canopy Cover** extends down to the wing root and will overlap with the Wing Covers, an Engine Cover and/or an Empennage Cover. To insure the most secure fit, high quality shock cord is sewn in the hem of the cover. This chord is also adjustable for tightness.

Each canopy cover is custom sewn and the corners are trimmed to match the colors of the airplane.

The airplane's registration number can be imprinted onto both sides of the cover for an additional charge. A duffle bag is included with all canopy covers and can be customized with your registration number and/or logo for an additional charge.

Each canopy cover is made of nylon Silver Laminate and is lined 100% with Micro-fiber. 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 a Micro-fiber to prevent scratching. Silver Laminate is extremely reflective. Tests show that the cabin interior temperature can be reduced by as much as 25° F. It is water, ice and snow repellent, yet breathable enough to allow moisture to escape from between the cover and the

windshield surface. Silver Laminate does not contain hydrocarbon compounds that can harm Plexiglas windshields and acrylic finishes.

Canopy/Engine Cover

Is a one-piece cover (100% lined with Micro-fiber), that is a combination of the Canopy Cover and Engine Cover. This cover will enclose the engine cowl and will extend aft to cover all of the windows.

Engine Inlet Plugs

are custom-fit for your intakes, sewn of heavy duty vinyl material, and stuffed with a single block of urethane foam. Each plug has a zipper that allows the foam to be removed and dried if necessary. Engine plugs have warning flags that are visible from the cockpit or 'remove before flight' streamers sewn onto the face of the plugs. Most plugs are embroidered with the aircraft registration number, done in black, about 1" high. Engine plugs may be inserted after flight when the engine is still warm.

The Engine Cover/Insulated Engine Cover

will synch around or behind the spinner, cover the entire engine cowling area including the engine air cooling and carburetor air inlets, and fastens together with velcro beneath the spinner down the front of the cowling. The Engine Cover is attached with a belly strap aft of the firewall, and can velcro to the Canopy Cover. An Insulated version of the engine cover can be made with a thicker quilted water repellent and breathable material that is insulated with Hollofil. The Insulated Engine Cover works well in cold climates to help reduce engine pre-heating times.

The Propellor Cover - Insulated Propellor Cover

Is made of Silver Laminate (lined 100% with Micro-fiber), like the canopy and engine covers. It is a one-piece design that form fits to the blades and spinner. The cover slips over the blades and spinner and is attached by a zipper on the bottom. Propellor covers can be made for multiple numbers of blades, for wooden, composite or metal props. An **Insulated version** can be made with a thicker, quilted water repellent and breathable material that is insulated with Hollofil. The Insulated Propellor Cover works well in cold climates to help reduce engine pre-heating times.

Wing Covers with/without Hail Protection

are a perfect solution to protect your paint and prevent frost and icing. They are made of medium weight nylon and form-fit to slip around each wing tip, cover the entire upper surface of the wing and wrap around the leading and trailing edges. The covers secure under the wing along the chord of the wing with adjustable straps. The wing covers also attach to each other with adjustable straps at the leading and trailing edges of the wing under the belly of the plane. Therefore the wing covers secure laterally under the belly and along the chord of the wing for maximum protection. A small mesh cutout along the bottom wing tip allows any excess water to drain out so that the cover bottom wont sag. In some instances, cut-outs can be made in the trailing edge of the wing covers to accommodate static wicks. We have the ability to also accommodate wing tip modifications, such as STOL kits, etc. Wing covers are labeled LEFT and RIGHT for your convenience. A **Hail Protection** version can be made in which we sew a very dense closed cell foam into the entire upper surface of the wing covers to prevent hail damage. Although these covers are very bulky, they protect your control surfaces against small to medium size hail.

Horizontal Stabilizer Covers with/without Hail Protection

are a perfect solution to protect your paint and prevent frost and icing. They cover the entire upper surface of the stabilizers and overlap around the leading and trailing edges as well as the wing tip. The covers secure under each stabilizer with adjustable straps. A **Hail Protection** version can be made in which we sew a very dense closed cell foam into the entire upper surface of the stabilizer covers to prevent hail damage.

The Travel-Cover

is a custom-fit light weight travel Canopy cover intended for limited use during trips away from home when space and weight are restricted. At less than half the weight of the standard design, this polyester/spandex material is lightweight, reflective, and stretchy. Travel Covers will only shed a light mist or morning dew. Travel-Covers are not intended for extended or permanent use outdoors. ***Also can be used as a fitted dust cover!***



Lambda Canopy/Engine Cover (illustration)

CURRENT PRODUCTS LIST as of: April 27, 2010

Urban Air Lambda UFM 13

<u>DESCRIPTION</u>	<u>SET OF...</u>	<u>PART NO.</u>	<u>PRICE</u>
CANOPY COVER	1	URL-000	375.00
CANOPY/ENGINE COVER	1	URL-005	525.00
ENGINE INLET PLUGS	2	URL-100	95.00
ENGINE COVER	1	URL-105	220.00
ENGINE COVER, insulated	1	URL-110	305.00
PROPELLOR COVER	1	URL-150	195.00
WING COVERS, Long Wing Tip	2	URL-200	575.00
WING COVERS, Short Wing Tip	2	URL-205	575.00
HORIZONTAL STABILIZER COVER	1	URL-300	150.00
TRAVEL-COVER Light Weight Travel Canopy Cover, 2.5 lbs	1	URL-800	345.00
TRAVEL-COVER Light Weight Travel Canopy/Engine Cover, 3.5 lbs.	1	URL-805	495.00

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



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Measuring for a Propellor Cover

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

Spinner and blade dimensions on propellers vary, even among similar models. Producing a well-made propellor cover depends upon the following measurements.

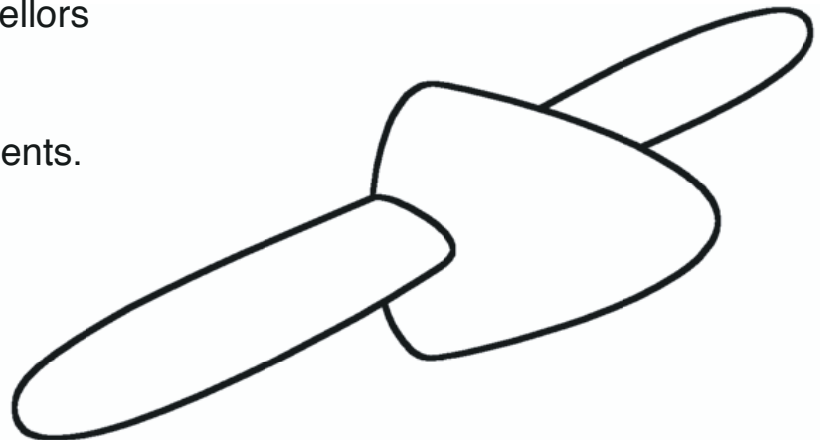
If you have any questions or problems, please call.

Please Check One:

2-Blade

3-Blade

4-Blade



- A _____ (measure along surface of cone)
- B _____ (measure "straight line" base to tip)
- C _____ (base to top of blade root opening)
- D _____ (provide diameter or circumference)
- E _____ (provide diameter or circumference)
- F _____ (blade root to prop tip)
- G _____ (trailing edge to leading edge)
- H _____ (trailing edge to leading edge)
- J _____ (trailing edge to leading edge)

