

## Tech Sheet: Pitts S2

(pitts-PS2.pdf)



Pitts S2 Canopy Cover

### Section 1: Canopy/Cockpit/Fuselage Covers

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

The **Pitts S2 Canopy Cover** is custom-designed for each model, as well as your aircraft's specific antenna and temperature probe placements, if applicable. The Canopy Cover is designed to enclose the windshield, side windows and canopy roof. The Canopy Cover attaches using adjustable "belly straps", which run under the belly and connect to the other side of the cover with a quick-release plastic buckle. When requested, it is also sometimes possible to design Canopy covers that can attach to the aircraft fuselage using pop-riveted snap-heads at the rear and snap-head screws on the engine cowl.

This cover type is made from Silver Acrylic Sunbrella canvas and is 100% lined with a soft and smooth microfiber. Bruce's Custom Covers developed this material combination especially for aircraft protection. The outer material is medium weight and treated for water resistance, UV resistance and anti-static buildup. The inner lining is a very soft and smooth microfiber to prevent scratching. The material is very reflective, and tests show that the cabin interior temperature can be reduced to near-ambient temperature on the hottest of days. It is water, ice and snow repellent, yet breathable to allow moisture to escape from between the cover and the aircraft surface.

Canopy Covers are commonly referred to as Cabin Covers, Fuselage Covers, Canvas Covers, Canopy Caps, etc.



Pitts S2 Canopy Cover



Pitts Samson II Canopy Cover

Description	Part Number	Price
CANOPY COVER (BELLY STRAPS, BUBBLE CANOPY MODELS)	<b>PS2-000</b>	<b>\$655.00</b>
CANOPY COVER, S-1-11B, "Racer" style canopy	<b>PS2-001</b>	<b>\$455.00</b>
CANOPY COVER (SNAP ON TYPE, BUBBLE CANOPY MODELS)	<b>PS2-002</b>	<b>\$655.00</b>
CANOPY COVER (BELLY STRAPS, REAR BUBBLE, FORWARD HOLE COVERED)	<b>PS2-010</b>	<b>\$455.00</b>
CANOPY COVER (BELLY STRAPS, REAR BUBBLE, FORWARD WINDSHIELD)	<b>PS2-015</b>	<b>\$455.00</b>
FUSELAGE COVER (engine, canopy, tailboom)	<b>PS2-150</b>	<b>\$1935.00</b>

## Section 2: Engine/Prop Covers

**Engine Covers** will cinch around or behind the spinner, cover the entire engine cowl area including the engine air cooling and induction 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. Engine Covers are normally made from Solution-Dyed Polyester or Acrylic *Sunbrella*. An Insulated version of the engine cover can be made with a thicker, quilted, and water-repellent material. The Insulated Engine Cover works well in cold climates to help with engine preheating.

FOR INTERIOR USE - Protect your airplane's engine inside a cold winter hangar with our reasonably priced **Insulated Custom Fit Hangar Blanket**. Not as form fitting as our Insulated Engine Covers, but designed to fit this model's unique engine cowling shape, the **Custom Fit Hangar Blanket** will work wonders to help protect your engine when used with a heating device. AVAILABLE IN RED OR BLACK.

**Insulated Covers Material** - A special composite material of solution-dyed polyester, 3M Thinsulate insulation, and soft nylon interior fabric. Our insulated covers are designed to complement an engine preheater and help retain heat in the engine compartment after shutdown. If you operate your aircraft in cold-weather, these covers will help prevent engine wear and tear.

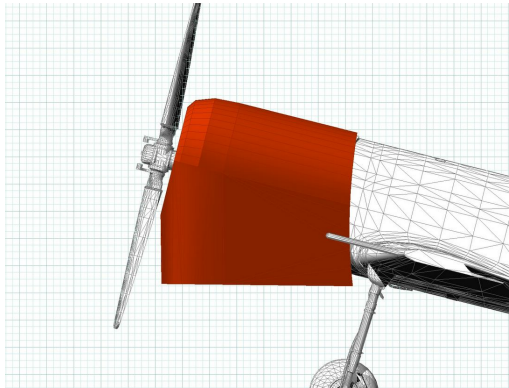
The **Pitts S2 Insulated Engine Cover** works well in cold climates to help with engine preheating. You can add an access flap for an additional fee. It will cinch around or behind the spinner, cover the entire engine cowl area including the engine air inlets, and fastens together with Velcro beneath the spinner down the front of the cowling.

**Insulated Covers Material** - A special composite material of solution-dyed polyester, 3M Thinsulate insulation, and soft nylon interior fabric. Our insulated covers are designed to complement an engine preheater and help retain heat in the engine compartment after shutdown. If you operate your aircraft in cold-weather, these covers will help prevent engine wear and tear.

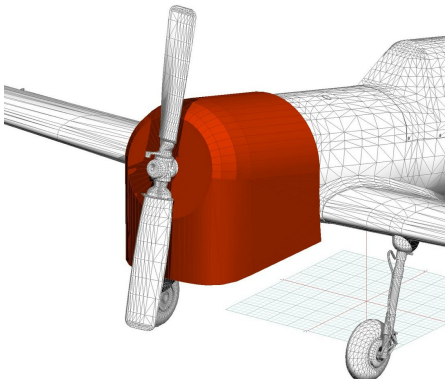
The **Pitts S2 Propeller Cover** is a one-piece design that form fits to the blades and spinner. The prop cover slips over the blades and spinner and is attached by a plastic all-weather zipper on the bottom of the blades. Propeller covers can be made for multiple numbers of blades, and for wooden, composite or metal props. The Propeller Cover is normally made from Acrylic *Sunbrella* or Solution-Dyed Polyester and is lined 100% with a soft and smooth microfiber. **Insulated Propeller Covers** works well in cold

climates to help with engine preheating. These insulated versions are made with a thicker, quilted, water-repellent, and breathable material.

This cover type is made from Silver Acrylic Sunbrella canvas and is 100% lined with a soft and smooth microfiber. Bruce's Custom Covers developed this material combination especially for aircraft protection. The outer material is medium weight and treated for water resistance, UV resistance and anti-static buildup. The inner lining is a very soft and smooth microfiber to prevent scratching. The material is very reflective, and tests show that the cabin interior temperature can be reduced to near-ambient temperature on the hottest of days. It is water, ice and snow repellent, yet breathable to allow moisture to escape from between the cover and the aircraft surface.



Yak 50 Insulated Hangar Blanket. 3D model



Yak 50 Insulated Hangar Blanket. 3D model

Description	Part Number	Price
ENGINE COVER	PS2-110	\$420.00
INSULATED ENGINE COVER	PS2-115	\$575.00
INSULATED HANGAR BLANKET, custom fit, INTERIOR USE	PS2-116	\$460.00
PROPELLOR/SPINNER COVER, 2 Blade	PS2-120	\$300.00
INSULATED PROPELLOR/SPINNER COVER, 2 Blade	PS2-125	\$450.00

Section 3: Plugs & Protection

**Engine Inlet Plugs** are custom fit for your Pitts S2 intakes, made with heavy-duty vinyl material, and stuffed with a single block of sculpted 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 imprinted with the aircraft registration number in black for an extra charge. Storage bag NOT included. Engine plugs may be inserted after flight when the engine is still warm. **Engine Inlet Plugs are commonly referred to as Cowl Plugs, Intake Plugs, Cowl Blocks, Engine Blocks, and Engine Bungs.**





Pitts S2C Engine Inlet Plugs



Pitts S-2A Engine Plugs

Description	Part Number	Price
ENGINE INLET PLUGS (set of 2)	PS2-100	\$190.00

#### Section 4: Wing/Tail/Empennage Covers

**Horizontal Stabilizer Covers** are a perfect solution to protect your paint from sun damage and prevent frost, snow, ice buildup, and corrosion. They are made from Solution-Dyed Polyester or Acrylic *Sunbrella*. 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. In some instances, cut-outs are made in the trailing edge of the wing covers to accommodate for static wicks. **Horizontal Stabilizer Covers** for winter use or long-term all year use are usually available, and are normally made from Solution-Dyed Polyester or Acrylic *Sunbrella*. A Hail Protection version can be made which incorporates dense closed cell foam into the entire upper surface of the wing covers to help prevent hail damage. Although these covers are bulky, they do help protect your wing and control surfaces against small to medium-size hail.

**ALL-YEAR USE MATERIAL** - Made with Silver Acrylic Sunbrella canvas, the all-year use material is the best option for sun protection and cover longevity. This heavier more durable material is intended for all weather conditions, such as rain and snow or lots of sun.

**WINTER USE MATERIAL** - Made with Solution-Dyed Polyester fabric, this option is intended for seasonal use to aid in deicing, rain mitigation, or for occasional travel. The material is lighter and more compact, but more susceptible to UV damage and may have a shorter useful life if used continuously outside than the all-year use material.

The **Pitts S2 Wing Covers** are a perfect solution to protect your paint from sun damage and prevent winter frost, snow, ice buildup, and corrosion. They are made from Solution-Dyed Polyester or Acrylic *Sunbrella* 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 with adjustable straps from the trailing edge to the leading edge. The wing covers can also attach to each other with adjustable straps at the leading and trailing edges of the wing under the belly of the plane. In some instances, cut-outs are 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, droop tips, and vortex generators. Wing covers are labeled LEFT and RIGHT for your convenience. Wing Covers are available for winter use or long-term, all-year use. A Hail Protection version can be made which incorporates very dense closed cell foam into the entire upper surface of the wing covers to help prevent hail damage. Although these covers are bulky, they do help protect your wing and control surfaces against small to medium-size hail.

**ALL-YEAR USE MATERIAL** - Made with Silver Acrylic Sunbrella canvas, the all-year use material is the best option for sun protection and cover longevity. This heavier more durable material is intended for all weather conditions, such as rain and snow or lots of sun.

**WINTER USE MATERIAL** - Made with Solution-Dyed Polyester fabric, this option is intended for seasonal use to aid in deicing, rain mitigation, or for occasional travel. The material is lighter and more compact, but more susceptible to UV damage and may have a shorter useful life if used continuously outside than the all-year use material.



Waco UPF-7 Upper Wing Cover, Horizontal Stabilizer Cover & Canopy Cover

Description	Part Number	Price
UPPER WING COVER, WINTER USE	<b>PS2-210</b>	<b>\$635.00</b>
UPPER WING COVER, ALL YEAR USE	<b>PS2-215</b>	<b>\$820.00</b>
LOWER WING COVERS, WINTER USE (set of 2)	<b>PS2-220</b>	<b>\$655.00</b>
LOWER WING COVERS, ALL YEAR USE (set of 2)	<b>PS2-225</b>	<b>\$875.00</b>
HORIZONTAL STABILIZER COVERS, WINTER USE (set of 2)	<b>PS2-300</b>	<b>\$270.00</b>
HORIZONTAL STABILIZER COVERS, ALL YEAR USE (set of 2)	<b>PS2-305</b>	<b>\$345.00</b>

## Section 6: Miscellaneous Products

**Tire or Wheelpant Covers** are designed to protect the wheelpants, or the tires and wheels, from sun damage and damage from the tow bar when moving the airplane.

**ALL-YEAR USE MATERIAL** - Made with Silver Acrylic Sunbrella canvas, the all-year use material is the best option for sun protection and cover longevity. This heavier more durable material is intended for all weather conditions, such as rain and snow or lots of sun.



Pitts S2 Acrobatic Sight Cover

Description	Part Number	Price
LANDING GEAR COVERS (set of 2)	<b>PS2-160</b>	<b>\$395.00</b>
WHEELPANT COVERS (set of 2)	<b>PS2-201</b>	<b>\$165.00</b>

Section 7: Light Weight Products: Travel Covers and FlyAway Covers

The **Lightweight Travel Canopy Cover** will cover the same area as our standard Canopy Cover, but the material used is very lightweight and will fold up and store in a much smaller space. This cover is ideal for the airplane that is stored in a hangar full-time and only needs a cover on rare occasions.

Travel Covers are made with Silver Solution-Dyed Polyester fabric and only lined over the windshield to save weight. The material is lightweight and more compact for easy stowage in the aircraft. The polyester material is water resistant, but only intended for occasional use outside. We also have an ultra lightweight material available for fitted hangar dust covers. For daily outdoor use, the non-travel Sunbrella Cover is the best choice.



Pitts S2 Travel Canopy Cover



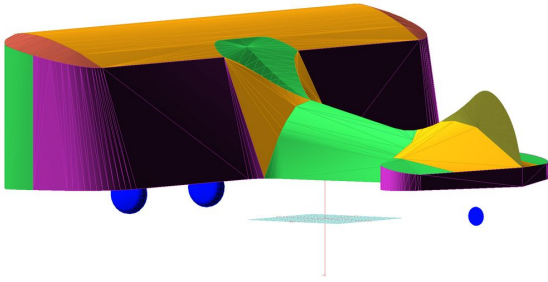
Pitts S2 Light Weight Travel Canopy Cover

Description	Part Number	Price
TRAVEL COVER (BELLY STRAP TYPE), Light Weight Travel Canopy Cover	PS2-805	\$560.00
TRAVEL COVER (SNAP ON TYPE), Light Weight Travel Canopy Cover	PS2-810	\$560.00

Section 10: Inside the Hangar

Designed to prevent damage to the aircraft extremities in crowded hangars, these products are made of bright red Naugahyde and thickly padded with a sandwich of closed cell foam.

Some high value aircraft end up logging lots of hangar time, and become dust magnets in the process. A high quality, well fitting dust cover provides easy assurance that the aircraft's surfaces remain clean and free of grit and grime. Available in a large variety of colors, each dust cover is custom made according to aircraft details and customer preferences. Fire retardant fabrics are also available.



Stearman PT-13 Hangar Dust Cover, 3D model



Stearman PT-13 Full Body Dust Cover, Remote Control Winch

Description	Part Number	Price
WINGTIP & HORIZ STAB PADS (set of 6)	<b>PS2-240</b>	<b>\$845.00</b>
DUST COVER (complete coverage), Prop Cover Included (set of 2)	<b>PS2-800</b>	<b>\$970.00</b>

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

***Prices are FOB Morgan Hill, CA. Sales tax on orders shipped to California addresses. Orders take approximately 3 weeks to complete. For domestic orders we normally ship by UPS ground service. Next day shipping and air parcel post is available on request. We can take payment by Visa, Mastercard, American Express, or Discover.***

***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.***



**Instructions:** Measure to the nearest 1/8" and only fill in what applies. You may email, fax or phone in the measurements.

Aircraft Reg / Tail Number: \_\_\_\_\_ Aircraft Type: \_\_\_\_\_ Year: \_\_\_\_\_

Name: \_\_\_\_\_ Phone & Email: \_\_\_\_\_

## Propellor Measurements

Please check one: ☐ 2 - Blade ☐ 3 - Blade ☐ 4 - Blade

- |          |                                     |  |
|----------|-------------------------------------|--|
| <b>A</b> | Measure along surface of cone       |  |
| <b>B</b> | Measure "straight line" base to tip |  |
| <b>C</b> | Base to top of blade root opening   |  |
| <b>D</b> | Provide diameter or circumference   |  |
| <b>E</b> | Provide diameter or circumference   |  |
| <b>F</b> | Blade root to prop tip              |  |
| <b>G</b> | Trailing edge to leading edge       |  |
| <b>H</b> | Trailing edge to leading edge       |  |
| <b>J</b> | Trailing edge to leading edge       |  |





## Aircraft Cover Ordering Form

<b>Customer Info</b>	Name _____
	Shipping Address _____ _____
	Phone & Email _____
<b>Payment</b>	Credit Card Number <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
	Exp. Date <input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> V-Code* <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <small>*Visa, Mastercard, Discover: last 3 numbers on back of card, right of signature. Amex: 4 smaller numbers printed on face of card.</small>
<b>A/C Info</b>	Reg / Tail Number: _____ Aircraft Type: _____ Year: _____
	Colors / Paint Scheme (be specific): _____

### Please specify below the items you would like to order.

See technical sheet or visit our website for part numbers (or just fill in the description)

1	Part Number	Quant	Description	Price
2				
3				
4				
5				
6				
7				
8				
9				
10				
				<b>TOTAL</b>

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

- ☐ Imprint aircraft registration number onto both sides of canopy cover.....\$30.00
- ☐ Imprint aircraft registration number onto Jet intake covers.....\$50.00