BRUCE'S CUSTOM COVERS
A division of Aircraft Covers, Inc.

18850 Adams Ct
Morgan Hill, CA 95037
www.AircraftCovers.com

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

*manufacturer of the finest custom-made aircraft covers*

# Tech Sheet: Lear Models 31, 35 & 36 (U.S. Military C-21)

(lear-L30.pdf)




Lear 31A Cockpit Cover

## Section 1: Canopy/Cockpit/Fuselage Covers

The **Lear Models 31, 35 & 36 (U.S. Military C-21) Cabin Cover** helps reduce damage to the upholstery and avionics caused by excessive heat and 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 Lear Models 31, 35 & 36 (U.S. Military C-21) Cabin Cover is designed to cover all of the windows of the airplane, plus extend forward to cover the nose. It attaches with belly straps, and the attachment buckles are made of nonmetal *Delrin*, designed for rugged outdoor use. The windshield cover comes with a duffle bag. The N-number can be imprinted onto the cover for an extra charge. The windshield cover and the duffle bag are trimmed in the colors of the aircraft.

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.

The **Lear Models 31, 35 & 36 (U.S. Military C-21) Cockpit Cover** helps reduce damage to the upholstery and avionics caused by

excessive heat and 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 **Lear Models 31, 35 & 36 (U.S. Military C-21) Cockpit Cover** is designed to cover the windshield and side windows of the cockpit. Attachment buckles are made of nonmetal *Delrin*, designed for rugged outdoor use. The windshield cover comes with a duffle bag. The N-number can be imprinted onto the cover for an extra charge. The windshield cover is trimmed in the colors of the aircraft.

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.

The **Lear Models 31, 35 & 36 (U.S. Military C-21) Cockpit/Nose Cover** helps reduce damage to the upholstery and avionics caused by excessive heat and 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 **Lear Models 31, 35 & 36 (U.S. Military C-21) Cockpit/Nose Cover** is designed to cover the windshield and side windows of the cockpit. Attachment buckles are made of nonmetal *Delrin*, designed for rugged outdoor use. The windshield cover comes with a duffle bag. The N-number can be imprinted onto the cover for an extra charge. The windshield cover is trimmed in the colors of the aircraft.

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.

The Extended Canopy/Nose Cover combines a Canopy Cover and a Nose cover. The **Lear Models 31, 35 & 36 (U.S. Military C-21) Extended Canopy/Nose Cover** is designed to enclose the windshield, all side windows, canopy roof, and extend forward to cover the nose. It is a one-piece cover, which also extends down to the wing on the sides. The Canopy Cover is custom designed for each model, as well as your aircraft's specific antenna and temperature probe placements. 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. To ensure the most secure fit, high-quality shock cord is enclosed in the hem of the cover to help keep the cover tighter against the airplane. Canopy Covers are commonly referred to as Cabin Covers, Fuselage Covers, Canvas Covers, Canopy Caps, etc.

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.




Learjet 45 Cockpit Cover




Lear 31A Cockpit Cover

| Description | Part Number | Price |
|---|---|---|
| COCKPIT COVER | **L30-000** | **$660.00** |
| COCKPIT COVER, w/Hail Protection | **L30-001** | **$1275.00** |
| COCKPIT COVER, With Door Ext. | **L30-005** | **$730.00** |
| CABIN/NOSE COVER | **L30-010** | **$1845.00** |
| COCKPIT/NOSE COVER (back to door, large pitot) | **L30-012** | **$1300.00** |
| EXTENDED NOSE/CABIN COVER (ext. within 12" of bottom cl, dwn to wingline, back to pylon LE) | **L30-013** | **$3330.00** |

## Section 2: Engine Covers

**Tri-Fold Ring Engine Covers** are designed to install easily yet be completely storable. A spring steel hoop is sewn into the hem of each cover, allowing them to be installed without climbing onto the wing or using a stepladder in many cases. To store the covers the spring steel hoop folds like a band-saw blade into three nesting rings. Each cover folds into a compact circular bundle which is stored in the included duffle bag, yet they unfold quickly for use. The Tri-Fold Ring cover is made of medium weight Solution-Dyed Polyester which is available in a variety of colors to match the paint trim. Each cover set comes complete with installation and folding instructions. The aircraft's registration number can be silkscreened onto the cover for an extra charge.

ALL-YEAR USE MATERIAL - Made with Solution dyed Polyester fabric, 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.

The **Lear Models 31, 35 & 36 (U.S. Military C-21) Bikini Style Engine Covers** are a single-piece design using a soft and smooth stretchy and fabric. The cover stretches tightly over both the intake and exhaust, installing quickly and easily. These covers are designed to be used as hangar dust covers and have a useful life of approximately one year.

The **Lear Models 31, 35 & 36 (U.S. Military C-21) Intake Covers** are designed to install easily yet be completely storable. A spring steel hoop is sewn into the hem of each cover, allowing them to be installed without climbing onto the wing or using a stepladder. To store the covers the spring steel hoop folds like a band-saw blade into three nesting rings. Each cover folds into a compact circular bundle which is stored in the included duffle bag, yet they unfold quickly for use. The Tri-Fold Ring cover is made of medium weight nylon which is available in a variety of colors to match the paint trim. Each cover set comes complete with installation and folding instructions. The aircraft's registration number can be silkscreened onto the cover for an extra charge.




Lear 31A Cockpit Cover, Engine Covers




Lear 35A Engine Covers

| Description | Part Number | Price |
|---|---|---|
| ENGINE COVERS (NO TR'S) (set of 4) | **L30-120** | **$1100.00** |
| INSULATED ENGINE COVERS, complete nacelle (set of 2) | **L30-123** | **$2175.00** |
| INTAKE COVERS (set of 2) | **L30-125** | **$755.00** |
| ENGINE COVERS (WITH AERONCA TR'S) (set of 4) | **L30-130** | **$1100.00** |
| ENGINE COVERS (WITH DEE HOWARD TR'S) (set of 4) | **L30-140** | **$1100.00** |
| ENGINE COVERS, Bikini Type, full outboard enclosure (set of 2) | **L30-141** | **$1125.00** |
| ENGINE COVERS, Bikini Type, Doesn't Cover Outboard Panel (set of 2) | **L30-142** | **$880.00** |

## Section 3: Plugs & Protection

**Lear Models 31, 35 & 36 (U.S. Military C-21) Heat Resistant Pitot Tube Covers**, are made of Naugahyde vinyl, and lined with a non-burning material. They are designed to cover the entire pitot assembly, slipping over the tube and tightening around the base with a Velcro strap detail. A "Remove Before Flight" streamer is attached to the cover. **Heat Resistant Pitot Covers** are an upgrade to our standard design, and help prevent the pitot cover from melting onto the tube if the pitot heat is accidentally turned on while installed. If you want the set tethered together, please let us know.

The **Engine Exhaust Plugs** are custom fit for your Lear Models 31, 35 & 36 (U.S. Military C-21) exhaust openings, 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. Exhaust plugs have '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. Exhaust plugs may be inserted soon 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.

The **Engine Inlet Plugs** are custom fit for your Lear Models 31, 35 & 36 (U.S. Military C-21) 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 '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.




Learjet Heat Resistant Pitot Cover with AOA strap




Learjet Heat Resistant Pitot Cover and AOA Strap

| Description | Part Number | Price |
|---|---|---|
| PITOT COVER/AOA STRAP (RVSM, NEWER LARGER STYLE), heat resistant type (set of 2) | **L30-056** | **$325.00** |
| PITOT COVER/AOA STRAP & TAT COVER (RVSM, NEWER LARGER STYLE), heat resistant type (set of 3) | **L30-057** | **$385.00** |
| TOTAL AIR TEMP (TAT by ROSEMONT) PROBE COVER, heat resistant type | **L30-061** | **$135.00** |
| DORSAL INLET PLUG | **L30-110** | **$130.00** |
| INTAKE PLUGS, folding type (set of 2) | **L30-190** | **$875.00** |
| INTAKE PLUGS, non-folding type (set of 2) | **L30-191** | **$825.00** |
| STARTER GENERATOR INLET PLUG (set of 2) | **L30-192** | **$135.00** |
| EXHAUST PLUGS (WITH DEE HOWARD TR'S) (set of 2) | **L30-195** | **$650.00** |
| EXHAUST PLUGS (WITH AERONCA TR'S) (set of 2) | **L30-196** | **$650.00** |
| EXHAUST PLUGS, NO TR's (set of 2) | **L30-197** | **$650.00** |
| STATIC WICK PROTECTORS (6" long) (set of 4) | **L30-306** | **$85.00** |
| STATIC WICK PROTECTORS (8.5" long) (set of 4) | **L30-307** | **$85.00** |

## 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 static wicks. Horizontal Stabilizer Covers are available for winter use or long-term all year use, 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 **Lear Models 31, 35 & 36 (U.S. Military C-21) 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.

| Description | Part Number | Price |
|---|---|---|
| WING COVERS (35-A) (set of 2) | **L30-300** | **$3660.00** |
| WING COVERS (35) (set of 2) | **L30-301** | **$3660.00** |
| WING COVERS (31) (set of 2) | **L30-302** | **$3660.00** |
| HORIZONTAL STABILIZER COVERS (set of 2) | **L30-310** | **$1005.00** |

## Section 5: HeatShields & Sun Reflectors

**Cockpit Heatshields** are interior sunshades for the aircraft's cockpit. The product is a unique composite of closed-cell foam with a silver mylar finish. The semi-rigid design is stiff enough to stand inside the window framing. The set folds up flat and is easily stored in the included storage sleeve. Some designs may require velcro and suction cups. Our Heatshields for jets are offered white side out because some aircraft manufacturers have issued advisories against reflective window inserts due to potential heat damage. A Heatshield is an excellent short-term remedy for cockpit overheating, but an external fabric cover is more effective for long-term protection.



Lear 35 Engine & Pitot Covers




Lear Models 40 & 45 Cockpit Heatshields, Covers All Cockpit Windows

| Description | Part Number | Price |
|---|---|---|

| | | |
|---|---|---|
| COCKPIT HEATSHIELDS (set of 2) | **L30-900** | **$360.00** |

## Section 6: Miscellaneous Products

| Description | Part Number | Price |
|---|---|---|
| CONTROL YOKE/RUDDER PEDALS TIE STRAP w/RBF Streamer | **L30-198** | **$215.00** |

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

The **Lear Models 31, 35 & 36 (U.S. Military C-21) Cockpit/Nose Cover** helps reduce damage to the upholstery and avionics caused by excessive heat and 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 **Lear Models 31, 35 & 36 (U.S. Military C-21) Cockpit/Nose Cover** is designed to cover the windshield and side windows of the cockpit. Attachment buckles are made of nonmetal *Delrin*, designed for rugged outdoor use. The windshield cover comes with a duffle bag. The N-number can be imprinted onto the cover for an extra charge. The windshield cover is trimmed in the colors of the aircraft.

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.

The **Lear Models 31, 35 & 36 (U.S. Military C-21) Lightweight Travel Cockpit Cover** will cover the same area as our standard Canopy Cover, but the material used is very lightwieight and will fold up and store in a much smaller space. This cover is ideal for the airplane that is hangered 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.



Lear 31 Cockpit Cover




Learjet 45 Cockpit Cover

| Description | Part Number | Price |
|---|---|---|
| TRAVEL COVER, Light Weight Travel Cockpit Cover | **L30-800** | **$530.00** |
| TRAVEL COVER, Light Weight Travel Cockpit Cover, With Door Ext. | **L30-810** | **$585.00** |

| | | |
|---|---|---|
| TRAVEL COVER, Light Weight Travel Cabin/Nose Cover | **L30-815** | **$1475.00** |
| TRAVEL COVER, Light Weight Travel Cockpit/Nose Cover (back to door, large pitot) | **L30-825** | **$1040.00** |

***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.***

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# Aircraft Cover Ordering Form

**Customer Info**

Name _____

Shipping Address _____

_____

Phone & Email _____

**Payment**

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.*

**A/C Info**

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)

| | Part Number | Quant | Description | Price |
|---|---|---|---|---|
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |
| | | | TOTAL | |

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

☐ ***Imprint** aircraft registration number onto both sides of canopy cover.....$35.00*

☐ ***Imprint** aircraft registration number onto Jet intake covers.....$55.00*

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