

# Tech Sheet: General Dynamics F-16 Fighting Falcon

(general-dynamics-F16.pdf)



F-16 "Blackout" type 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 **General Dynamics F-16 Fighting Falcon 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.

The Canopy/Nose Cover combines a Canopy Cover and a Nose cover. The **General Dynamics F-16 Fighting Falcon Canopy 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. 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.



Canopy Cover, F-16



F-16 CANOPY COVER, OPEN POSITION (C-Model, single seat models)

Description	Part Number	Price
CANOPY COVER (C-Model, single seat models)	F16-000	Contact Us
CANOPY COVER (D-Model, dual seat models)	F16-001	Contact Us
CANOPY COVER (C-MODEL, single seat models) "blackout" type	F16-002	Contact Us
CANOPY COVER (D-MODEL, dual seat models) "blackout" type	F16-003	Contact Us
CANOPY COVER, OPEN POSITION (C-Model, single seat models)	F16-010	Contact Us
CANOPY COVER, OPEN POSITION (D-Model, dual seat models)	F16-011	Contact Us
CANOPY AREA COVER, CANOPY REMOVED (C-Model, single seat models)	F16-012	Contact Us
CANOPY AREA COVER, CANOPY REMOVED (D-Model, dual seat models)	F16-013	Contact Us
CANOPY/NOSE COVER (C-Model, single seat models), NSN: 1560-01-420-9453	F16-040	Contact Us
CANOPY/NOSE COVER (D-Model, dual seat models)	F16-041	Contact Us

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 duffel 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 **General Dynamics F-16 Fighting Falcon 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.



Intake, Maintenance Seat & HUD display covers (Aviano AFB)



Intake Cover & Folding Intake Plug

Description	Part Number	Price
INTAKE COVER, narrow mouth type	F16-110	Contact Us
INTAKE COVER, narrow mouth type, tri-ring style	F16-111	Contact Us
INTAKE COVER w/forms pouch, narrow mouth type	F16-112	Contact Us
INTAKE COVER w/forms pouch, wide mouth type	F16-113	Contact Us
INTAKE COVER, wide mouth, block 30, 40 & 50	F16-130	Contact Us
INTAKE COVER, wide mouth type, tri-ring style	F16-131	Contact Us
INTAKE COVER, block 40/50, w/forms pouch	F16-132	Contact Us
INTAKE/EXHAUST COVER SET, specify narrow or wide mouth type (set of 2)	F16-175	Contact Us
INTAKE/EXHAUST COVER SET w/forms pouch, specify narrow or wide mouth type (set of 2)	F16-177	Contact Us
EXHAUST COVER, block 32 models, PW F100-220 engine	F16-200	Contact Us
EXHAUST COVER, block 52 models, F100/PW-229 engine	F16-202	Contact Us
EXHAUST COVER, block 30 models, GE 110 engine	F16-203	Contact Us
EXHAUST COVER, block 40 models	F16-204	Contact Us
EXHAUST COVER, block 42 models	F16-210	Contact Us
EXHAUST COVER, block 50 models	F16-211	Contact Us

Section 3: Plugs & Protection



**General Dynamics F-16 Fighting Falcon 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.

**General Dynamics F-16 Fighting Falcon Pitot Tube Covers**, NOT HEAT RESISTANT TYPE, are made of Naugahyde vinyl, and are designed to cover the entire pitot assembly. Slipping over the tube, the cover tightens 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 this 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 **General Dynamics F-16 Fighting Falcon Intake/Exhaust Plugs** are custom fit for the intake and 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. 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. 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.

The **Engine Exhaust Plugs** are custom fit for your General Dynamics F-16 Fighting Falcon 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 General Dynamics F-16 Fighting Falcon 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.



General Dynamics F-16 AOA Probe Cover



F-16 Intake Cover

Description	Part Number	Price
INTAKE PLUG, narrow mouth, bi-fold type, NSN 1730-01-542-3476 "COVER SET,AIRCRAFT SHIPPING"	F16-100	Contact Us
INTAKE PLUG w/forms pouch, narrow mouth, bi-fold type	F16-101	Contact Us
INTAKE PLUG, w/ forms pouch, narrow mouth	F16-102	Contact Us

INTAKE PLUG, block 40 models, bi-fold type (wide mouth)	F16-105	Contact Us
INTAKE PLUG w/forms pouch, block 40 models, bi-fold type (wide mouth)	F16-106	Contact Us
INTAKE PLUG, block 50 models, bi-fold type (wide mouth)	F16-107	Contact Us
INTAKE PLUG, wide mouth, bi-fold type	F16-120	Contact Us
INTAKE PLUG w/forms pouch, wide mouth, bi-fold type	F16-121	Contact Us
INTAKE PLUG, w/ forms pouch, wide mouth	F16-122	Contact Us
PITOT COVER & AIR DATA PROBE COVER, heat resistant type (set of 2)	F16-151	Contact Us
AOA PROBE COVERS, Fabric Type (set of 2)	F16-153	Contact Us
INTAKE/EXHAUST PLUG SET, specify narrow or wide mouth type (set of 2)	F16-176	Contact Us
INTAKE/EXHAUST PLUG SET w/forms pouch, specify narrow or wide mouth type (set of 2)	F16-178	Contact Us
EXHAUST PLUG, block 32 models, PW F100-220 engine	F16-201	Contact Us
EXHAUST PLUG, block 30 models, GE 110 engine	F16-205	Contact Us
EXHAUST PLUG, block 50 models	F16-206	Contact Us
EXHAUST PLUG, block 52 models	F16-207	Contact Us
EXHAUST PLUG, block 40 models	F16-208	Contact Us
EXHAUST PLUG, FOLDING TYPE, specify model	F16-209	Contact Us
EXHAUST PLUG, block 25 models	F16-212	Contact Us
EXHAUST PLUG, block 42 models	F16-213	Contact Us
ECS INTAKE PLUG	F16-220	Contact Us
RAM AIR SCOOP PLUG	F16-221	Contact Us
GUN PURGE DOOR PLUG	F16-222	Contact Us
RADOME & NOSE PITOT COVER	F16-700	Contact Us

**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 **General Dynamics F-16 Fighting Falcon 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.



300 gal. CENTERLINE FUEL TANK PYLON COVER, with/without forms pouch



370 gal. WING FUEL TANK PYLON COVER, with/without forms pouch

Description	Part Number	Price
WING COVERS (set of 2)	F16-300	Contact Us



WING COVERS, padded for hail protection (set of 2)	F16-305	Contact Us
HORIZONTAL STAB. COVERS (set of 2)	F16-310	Contact Us
HORIZONTAL STABILIZER COVERS, padded for maintenance protection (set of 2)	F16-320	Contact Us
PADDED FLAP COVER w/ Remove Before Flight Streamers	F16-325	Contact Us
PADDED AILERON COVER w/ Remove Before Flight Streamers	F16-330	Contact Us
370 gal. WING FUEL TANK PYLON COVER, with/without forms pouch	F16-605	Contact Us

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.



F-16 Cockpit HeatShields and Maintenance Seat Cover



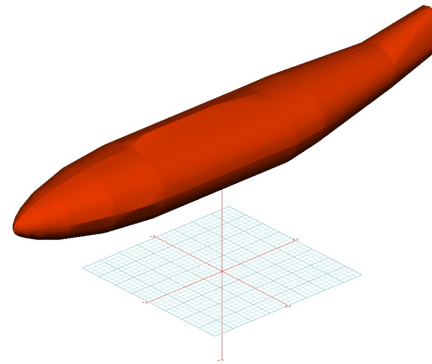
F-16 Cockpit HeatShields

Description	Part Number	Price
CANOPY HEATSHIELDS (A, C & N models), NSN: 1730-01-541-5772 (set of 2)	F16-900	Contact Us
CANOPY HEATSHIELD (B & D models)	F16-901	Contact Us

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.



Intake, Maintenance Seat & HUD display covers (Aviano AFB)    300 Gal Centerline Fuel Tank Cover, fully enclosed (3D Model)

Description	Part Number	Price
TOTAL AIR TEMP PROBE TAT COVER, NSN 1730-01-542-3477 "COVER,AIRCRAFT GROUND SERVICING" (set of 2)	<b>F16-160</b>	<b>Contact Us</b>
HUD ASSY COVER, padded (specify block type)	<b>F16-400</b>	<b>Contact Us</b>
HUD ASSY COVER, block 40/50 models	<b>F16-405</b>	<b>Contact Us</b>
LAUNCH RAIL COVERS (L29 launcher) (set of 4)	<b>F16-410</b>	<b>Contact Us</b>
LAUNCH RAIL COVERS (AIM 9 launcher) (set of 2)	<b>F16-420</b>	<b>Contact Us</b>
TIRE COVERS (smaller main tire size, 25.5" Diam.) (specify tire size) (set of 3)	<b>F16-500</b>	<b>Contact Us</b>
TIRE COVERS (smaller main tire size, 25.5" Diam. w/ chain-weight bottom hem) (specify tire size) (set of 3)	<b>F16-501</b>	<b>Contact Us</b>
TIRE COVERS (larger main tire size, 27.75" Diam) (specify tire size) (set of 3)	<b>F16-510</b>	<b>Contact Us</b>
TIRE COVERS (larger main tire size, 27.75" Diam w/ chain-weight bottom hem) (specify tire size) (set of 3)	<b>F16-511</b>	<b>Contact Us</b>
MAINTENANCE SEAT COVER, ACES II	<b>F16-520</b>	<b>Contact Us</b>
MAINTENANCE SEAT COVER, block 40, 50, 52 models	<b>F16-530</b>	<b>Contact Us</b>
CARGO POD COVER	<b>F16-600</b>	<b>Contact Us</b>
SNIPER POD ATP-SE COVER, with foam/microfiber on window	<b>F16-601</b>	<b>Contact Us</b>
300 gal. CENTERLINE FUEL TANK PYLON COVER, with/without forms pouch	<b>F16-610</b>	<b>Contact Us</b>
300 gal. CENTERLINE FUEL TANK FULLY ENCLOSED COVER, with/without forms pouch	<b>F16-615</b>	<b>Contact Us</b>



370 gal. WING FUEL TANK FULLY ENCLOSED COVER, with/without forms pouch	F16-620	Contact Us
600 gal. CENTERLINE FUEL TANK COVER, with/without forms pouch	F16-622	Contact Us
COVER STORAGE BAG	F16-650	Contact Us

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

The **General Dynamics F-16 Fighting Falcon 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 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.



Canopy Cover, F-16



F-16 Canopy/Nose Cover

Description	Part Number	Price
TRAVEL COVER, Light Weight Canopy Cover (single seat models)	F16-800	Contact Us
TRAVEL COVER, Light Weight Canopy Cover (dual seat models)	F16-805	Contact Us
TRAVEL COVER, Light Weight Travel Canopy/Nose Cover	F16-810	Contact Us

**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.**

## 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"/>
	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.....\$35.00
- ☐ Imprint aircraft registration number onto jet intake covers.....\$55.00