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

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manufacturer of the finest custom-made aircraft covers

Tech Sheet: McDonnell Douglas MD900, MD902 Explorer

(mcdonnell-douglas-MD900.pdf)



MD900 Forward Bubble Cover (w/Radome), Blade Tie-Downs

Section 1: Cockpit/Bubble Covers

The **McDonnell Douglas MD900, MD902 Explorer Bubble 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 **Bubble Cover** encloses the entire canopy including the windshield, skylights, and chin bubble Attachment buckles are made of nonmetal *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 help prevent abrasive chafing of the windshield. Pockets are sewn into the cover for the temperature probe and pitot tubes. The bubble cover is reinforced with patches at hinge points, door handles, and for the windshield wipers. For ease of installation, the bubble cover is color-coded (red=left, green=right) with color swatches sewn into the corners.

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.



Complete Fuselage/Tailboom/Etc. Cover Set



MD900 Main Body Cover

Description	Part Number	Price
FORWARD BUBBLE COVER (single pitot tube)	**MD900-000**	**$1300.00**
FORWARD BUBBLE COVER (twin pitot tubes)	**MD900-001**	**$1300.00**
FORWARD BUBBLE COVER w/ Wire Strike, single pitot tube	**MD900-010**	**$1360.00**
FORWARD BUBBLE COVER w/ Wire Strike, twin pitot & radome	**MD900-011**	**$1510.00**
FORWARD BUBBLE COVER, single pitot & radome	**MD900-012**	**$1510.00**
FORWARD BUBBLE COVER w/ Wire Strike, twin pitot & night sun	**MD900-013**	**$1510.00**
FORWARD BUBBLE COVER w/ Wire Strike, twin pitot tubes	**MD900-015**	**$1360.00**
FULL BUBBLE COVER	**MD900-020**	**$1585.00**
FULL BUBBLE COVER w/ Wire Strike & single pitot	**MD900-021**	**$1690.00**
FULL BUBBLE COVER w/ Wire Strike & twin pitots	**MD900-023**	**$1815.00**
FULL BUBBLE COVER w/ Wire Strike, twin pitot, & radome	**MD900-025**	**$1815.00**
FULL BUBBLE COVER w/ Wire Strike, twin pitot, & night sun	**MD900-026**	**$1815.00**
FUSELAGE COVER	**MD900-800**	**$14755.00**
FUSELAGE COVER (wire strike & radome, does not covers belly)	**MD900-801**	**$18455.00**
FUSELAGE COVER (wire strike & radome, covers belly)	**MD900-805**	**$21935.00**

Section 2: Engine/Tail Rotor Covers

Blade Tie-Downs are "socks" which fit over the blade tip with or without Blade Covers installed. Front blade tie-downs have two lengths of rope or strap which attaches to the front cross tubes on either side of the cabin. The other tie-downs have generous lengths of rope or strap to tie the blades down at any convenient spot.

Engine Cover details vary by model, but generally these covers are designed to enclose and protect the swash plate, inlet, exhaust and engine access areas. They are designed to tighten up around the main rotor drive shaft and tailboom bottleneck areas, and attach securely with straps either under the belly or to the land gear cross tubes (or both). *Delrin* buckles are used to tighten the attachment straps. The engine cover is made of Solution-Dyed Polyester or acrylic *Sunbrella*, and is available in a variety of colors ([contact us for details](/contact). Specific information for each model is available on request.

Rotor Hub Covers overlaps with the Blade Covers to ensure complete protection for the entire main rotor system. Designed like a jacket with sleeves and no collar, the rotor hub cover fastens together below each blade with *Delrin* buckles. The Rotor Hub Cover

is normally made from Solution-Dyed Polyester.

Bruce's **McDonnell Douglas MD900, MD902 Explorer Blade Covers** are made of medium-weight Solution-Dyed Polyester and designed to avoid trim tabs or wicks. You can install Blade Covers from the ground with the aid of a lightweight rope attached to the open end. Covers are cinched tight at the blade root with straps and quick-release plastic buckles. The **Cold Weather Blade Covers** are fitted with full-length zippers and optional deice "boots" designed to accept a preheater hose; a small opening at the tip of the cover allows for some air circulation and drainage in freezing weather. Some part numbers have features for an extra charge.



MD900 Explorer Aft Extended Upper Deck Cover



MD900 Blade Tie-downs and Pitot Cover Set

Description	Part Number	Price
MAIN ROTOR HUB COVER	**MD900-100**	**$605.00**
MAIN ROTOR HUB COVER (extended downward, Velcro at blade links)	**MD900-101**	**$1405.00**
MAIN ROTOR HUB COVER (Extended downward), seals at end for blades attached/not attached	**MD900-102**	**$1705.00**
AFT UPPER DECK COVER (covers exhaust area only)	**MD900-110**	**$690.00**
AFT EXTENDED UPPER DECK COVER (covers exhaust area only ext twd rotor hub base)	**MD900-120**	**$970.00**
FULL ENGINE AREA/DOGHOUSE COVER, covers air inlets and exhaust turbines, closes at the base of the main rotor hub	**MD900-125**	**$3390.00**
BLADE COVERS (standard type) (set of 5)	**MD900-600**	**$1030.00**
BLADE COVERS, cold weather (set of 5)	**MD900-610**	**$1935.00**
BLADE COVERS, cold weather w/tie-downs (set of 5)	**MD900-611**	**$2540.00**
BLADE COVERS, cold weather w/tie-downs (set of 5)	**MD900-612**	**$3660.00**
BLADE TIE-DOWNS (fabric type) (set of 5)	**MD900-615**	**$440.00**

Section 3: Plugs & Protection

McDonnell Douglas MD900, MD902 Explorer 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.



MD900 Forward Bubble Cover (w/Radome), Blade Tie-Downs



MD900 Blade Tie-downs and Pitot Cover Set

Description	Part Number	Price
PITOT COVERS (902 Models) (set of 2)	**MD900-700**	**$240.00**
PITOT COVER (900 Models)	**MD900-701**	**$120.00**

Section 4: Tailboom Covers

The **Tailboom Cover** details vary by model, but generally the helicopter tail boom cover encloses the tail boom from the "bottleneck" to the aft end. They usually also cover the horizontal stabilizers, and are custom made to allow for antennae, lights, and other protrusions. They attach with straps underneath the tail boom. Covers for the vertical and horizontal stabilizers are also available separately. Specific information for each model is available on request.



MD900 Complete Cover Set



MD900 Full Cover Set

Description	Part Number	Price
NOTAR BOOM COVER	**MD900-400**	**$595.00**
NOTAR BOOM SLOT COVERS (set of 2)	**MD900-403**	**$545.00**
NOTAR BOOM/THRUSTER COVER	**MD900-501**	**$990.00**
NOTAR THRUSTER COVER (sock type)	**MD900-503**	**$395.00**
NOTAR BOOM/THRUSTER/STABILIZER COVER, does not cover vert. stabilizers	**MD900-504**	**$3520.00**

Section 5: HeatShields & Sun Reflectors

Heatshields are interior sunshades for an aircraft's windows or canopy glass. The product is a unique composite of closed-cell foam with a silver mylar finish. The semi-rigid design is stiff enough to stand along the inside of the windshield using sun visors or window framing. It folds up flat and easily stores in the included storage sleeve. Some designs may require velcro and suction cups. A Heatshield is an excellent short-term remedy for cockpit overheating.

Windshield Heatshields are interior sunshades for an aircraft's front windshield. The product is a unique composite of closed-cell foam with a silver mylar finish. The semi-rigid design is stiff enough to stand along the inside of the windshield using sun visors or window framing. Darts and folds are incorporated into the material so that it conforms to the complex shape of the helicopter windows. It folds up flat and easily stores in the included storage sleeve. Some designs may require velcro and suction cups. A Heatshield is an excellent short-term remedy for cockpit overheating. An external fabric canopy is far more effective and practical for long-term protection.

Description	Part Number	Price
HEATSHIELD SET, excluding chin bubbles (set of 6)	**MD900-900**	**$815.00**
WINDSHIELD HEATSHIELDS (set of 2)	**MD900-901**	**$420.00**

Section 6: Miscellaneous Products



MD900 Complete Cover Set



MD900 Full Cover Set

Description	Part Number	Price
NOTAR BOOM/THRUSTER/STABILIZER COVER	**MD900-502**	**$3545.00**

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

The **McDonnell Douglas MD900, MD902 Explorer Lightweight Travel Bubble Cover** is the same design as our standard bubble cover, but the material used is very lightwieight and will fold up and store in a smaller space.

Travel Covers are made with Silver Solution-Dyed Polyester fabric and fully lined over the entire cover. 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.



MD900 Bubble Cover

Description	Part Number	Price
TRAVEL COVER, Light Weight Travel Forward Bubble Cover (Single Pitot Tube)	**MD900-810**	**$1040.00**
TRAVEL COVER, Light Weight Travel Forward Bubble Cover (Twin Pitot Tubes)	**MD900-815**	**$1040.00**
TRAVEL COVER, Light Weight Travel Forward Bubble Cover W/ Wire Strike, Single Pitot Tube	**MD900-820**	**$1085.00**
TRAVEL COVER, Light Weight Travel Forward Bubble Cover W/ Wire Strike, Twin Pitot & Radome	**MD900-825**	**$1205.00**
TRAVEL COVER, Light Weight Travel Forward Bubble Cover, Single Pitot & Radome	**MD900-830**	**$1205.00**
TRAVEL COVER, Light Weight Travel Forward Bubble Cover W/ Wire Strike, Twin Pitot & Night Sun	**MD900-835**	**$1205.00**
TRAVEL COVER, Light Weight Travel Forward Bubble Cover W/ Wire Strike, Twin Pitot Tubes	**MD900-840**	**$1085.00**
TRAVEL COVER, Light Weight Travel Full Bubble Cover	**MD900-845**	**$1265.00**
TRAVEL COVER, Light Weight Travel Full Bubble Cover W/ Wire Strike	**MD900-850**	**$1355.00**
TRAVEL COVER, Light Weight Travel Full Bubble Cover W/ Wire Strike & Twin Pitots	**MD900-855**	**$1455.00**
TRAVEL COVER, Light Weight Travel Full Bubble Cover W/ Wire Strike, Twin Pitot, & Radome	**MD900-860**	**$1455.00**
TRAVEL COVER, Light Weight Travel Full Bubble Cover W/ Wire Strike, Twin Pitot, & Night Sun	**MD900-865**	**$1455.00**

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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