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: Eurocopter UH-72 (EC-145)

(eurocopter-UH72.pdf)



Bubble Cover w/ nose mounted radome & Upper Deck Plugs/Cover

## Section 1: Cockpit/Bubble Covers

The **Eurocopter UH-72 (EC-145) 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.

The **Eurocopter UH-72 (EC-145) Windshield/Nose Cover** is designed to cover the windshield and side windows of the cockpit, and extends forward to cover the nose.

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.




Eurocopter EC-135 Bubble Cover




EC-145 Windshield/Nose Cover (illustration)

| Description | Part Number | Price |
|---|---|---|
| BUBBLE COVER | **UH72-000** | **Contact Us** |
| BUBBLE COVER, w/nosemount radome & WSPS | **UH72-005** | **Contact Us** |
| WINDSHIELD/NOSE COVER, std nose configuration | **UH72-010** | **Contact Us** |
| WINDSHIELD/NOSE COVER, w/nosemount radome & WSPS | **UH72-011** | **Contact Us** |
| MAIN BODY COVER (does not cover bottom) | **UH72-020** | **Contact Us** |
| MAIN BODY COVER (also covers bottom) | **UH72-025** | **Contact Us** |

## 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.

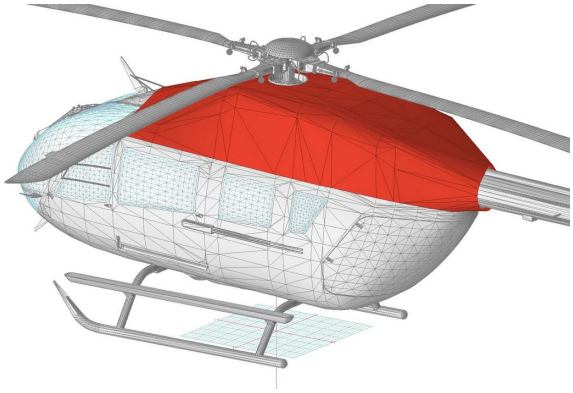
Bruce's **Eurocopter UH-72 (EC-145) Blade Covers** are made of medium-weight Solution-Dyed Polyester and designed to avoid trim tabs or wicks. You can install Blade Covers from the ground with the aid of a lightweight rope attached to the open end. Covers are cinched tight at the blade root with straps 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.

The **Eurocopter UH-72 (EC-145) Tail Rotor Cover** is a one-piece design which encloses both the blades and their hub, snapping closed along the bottom edge. The tail rotor cover is normally made from Solution-Dyed Polyester.

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 **Engine Inlet Plugs** are custom fit for your Eurocopter UH-72 (EC-145) 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.



Intake/Exhaust Engine Area Cover, 3D Rendering



Tail Rotor Cover & Tailboom, Vertical Pylon & Stabilizers Cover

| Description | Part Number | Price |
|---|---|---|
| INTAKE/EXHAUST/ENGINE AREA COVER | **UH72-100** | **Contact Us** |
| EXHAUST COVERS (set of 2) | **UH72-120** | **Contact Us** |
| UPPER DECK PLUGS/COVER | **UH72-150** | **Contact Us** |
| BLADE COVERS, special detail for fixed static wick (set of 4) | **UH72-200** | **Contact Us** |
| BLADE COVERS, cold weather (for fixed static wick) (set of 4) | **UH72-205** | **Contact Us** |
| BLADE TIE-DOWNS (fabric type) (set of 4) | **UH72-220** | **Contact Us** |
| ROTOR HUB COVER | **UH72-300** | **Contact Us** |
| ROTOR HUB COVER, Extended to cover counterweights | **UH72-310** | **Contact Us** |
| TAIL ROTOR COVER | **UH72-600** | **Contact Us** |

## Section 3: Plugs & Protection

**Eurocopter UH-72 (EC-145) 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 Eurocopter UH-72 (EC-145) exhaust openings, made with heavy-duty vinyl material, and stuffed with a single block of sculpted urethane foam. Exhaust plugs have 'Remove Before Flight' streamers sewn

onto the face of the plugs. 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 Eurocopter UH-72 (EC-145) 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.



Upper Deck Plugs/Cover, extended to cover aft intake vents



Bubble Cover w/ nose mounted radome, Upper Deck Plugs/Cover

| Description | Part Number | Price |
|---|---|---|
| INTAKE PLUGS (set of 2) | **UH72-110** | **Contact Us** |
| EXHAUST PLUGS (set of 2) | **UH72-125** | **Contact Us** |
| FRESH AIR INLET PLUGS, on belly of nose (set of 2) | **UH72-130** | **Contact Us** |
| UPPER DECK PLUGS/COVER, extended to cover aft intake vents | **UH72-155** | **Contact Us** |
| PITOT COVERS, heat resistant type (set of 2) | **UH72-700** | **Contact Us** |

## 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.



Tail Rotor Cover & Tailboom, Vertical Pylon & Stabilizers Cover

| Description | Part Number | Price |
|---|---|---|
| TAILBOOM/STABILIZER COVER | **UH72-650** | **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. Darts and folds are incorporated into the material so that it conforms to the complex shape of the helicopter windows. The set folds up flat and is easily stored in the included storage sleeve. Some designs may require velcro and suction cups. A Heatshield is an excellent short-term remedy for cockpit overheating, but an external fabric cover is more effective for long-term protection.



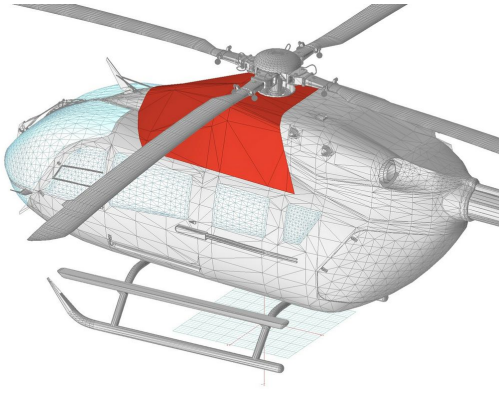
Eurocopter EC-145 Cabin Heatshields



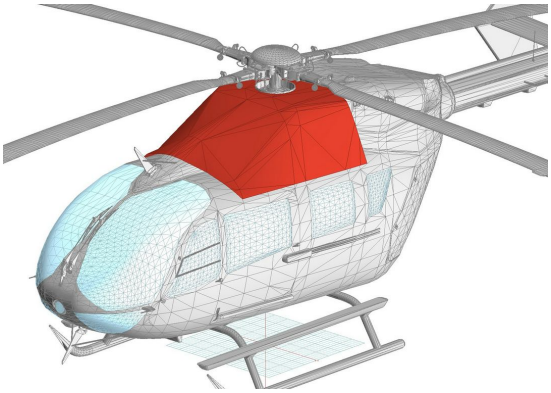
Eurocopter EC-145 Cockpit Heatshields

| Description | Part Number | Price |
|---|---|---|
| COCKPIT/CABIN HEATSHIELD SET (EXCLUDES chin bubble windows) (set of 10) | **UH72-900** | **Contact Us** |
| COCKPIT/CABIN HEATSHIELD SET (INCLUDES chin bubble windows) (set of 12) | **UH72-910** | **Contact Us** |
| COCKPIT HEATSHIELD SET (w/ chin bubble windows) (set of 6) | **UH72-911** | **Contact Us** |
| WINDSHIELD HEATSHIELDS (set of 2) | **UH72-915** | **Contact Us** |

## Section 6: Miscellaneous Products



Barrier Inlet Filter Cover, 3D Rendering



Barrier Inlet Filter Cover, 3D Rendering

| Description | Part Number | Price |
|---|---|---|
| BARRIER INLET FILTER COVER | **UH72-105** | **Contact Us** |
| CENTER CONSOLE COVER | **UH72-710** | **Contact Us** |

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

The **Eurocopter UH-72 (EC-145) 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.

The **Eurocopter UH-72 (EC-145) Windshield/Nose Cover** is designed to cover the windshield and side windows of the cockpit, and extends forward to cover the nose.

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.



EC-145 Windshield/Nose Cover (illustration)



Bubble Cover w/ nose mounted radome, Upper Deck Plugs/Cover

| Description | Part Number | Price |
|---|---|---|
| TRAVEL COVER, Light Weight Travel Bubble Cover | **UH72-800** | **Contact Us** |
| TRAVEL COVER, Light Weight Travel Bubble Cover, w/nosemount radome & WSPS | **UH72-810** | **Contact Us** |
| TRAVEL COVER, Light Weight Travel Windshield/Nose Cover, Std Nose Configuration | **UH72-820** | **Contact Us** |
| TRAVEL COVER, Light Weight Travel Windshield/Nose Cover, W/Nosemount Radome & Wsps | **UH72-830** | **Contact Us** |

## Section 10: Inside the Hangar

**Padded Door Bags* are designed to provide portable protection of the doors when they are removed from the aircraft. They are padded to moderate thickness, zippered closed, and have sturdy carry handles for easy transport.



MD 500D Padded Door Bags



Eurocopter EC-145 Padded Bags for Removable Doors

| Description | Part Number | Price |
|---|---|---|
| PROTECTIVE BAGS FOR REMOVABLE AFT DOORS, padded (set of 2) | **UH72-095** | **Contact Us** |
| PROTECTIVE BAGS FOR REMOVABLE FWD DOORS, padded (set of 2) | **UH72-096** | **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.***

BRUCE'S CUSTOM COVERS

*A division of Aircraft Covers, Inc.*

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

# 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*

Ph: 408/738-3959 • Toll Free: 800/777-6405 • Fax: 408/738-2729 • bruce@aircraftcovers.com