United States of America

Department of Transportation Federal Aviation Administration

Supplemental Type Certificate

Number SA02053SE

This certificate, issued to: **Rosen Sunvisor Systems, LLC**
86365 College View Road
Eugene, OR 97405

*certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part * of the * Regulations.*

Original Product—Type Certificate Number: * See attached Approved Model List (AML)
Make: No. SA02053SE for a List of Approved Airplane
Model: Models and Applicable Airworthiness Regulations

Description of the Type Design Change: Cockpit Sun Visor installation in accordance with Federal Aviation Administration (FAA) approved Rosen Sunvisor Systems Drawing List RBBM-00 DL, Revision B, dated February 16, 2010, or later FAA-approved revision.

Limitations and Conditions: Approval of this change in type design applies to only those Hawker Beechcraft listed on AML No. SA02053SE, dated February 23, 2010, or later FAA-approved revision. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any of those other previously approved modifications, including changes in type design, will introduce, no adverse effect upon the airworthiness of the aircraft.

A copy of this Certificate and Rosen Sunvisor Systems Drawing List RBBM-00 DL, Revision B, dated February 16, 2010, or later FAA-approved revision must be maintained as part of the permanent records for the modified aircraft.

If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: June 25, 2009 *Date reissued:*
Date of issuance: February 23, 2010 *Date amended:*

FEDERAL AVIATION ADMINISTRATION

By direction of the Administrator

(Signature)
Acting Manager, Seattle Aircraft Certification Office
(Title)

Any alteration of this certificate is punishable by a fine of not exceeding $1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47.

FAA FORM 8110-2 (10-68)

FAA APPROVED MODEL LIST (AML) SA02053SE
FOR
INSTALLATION OF A ROSEN SUNVISOR SYSTEM

ISSUE DATE: February 23, 2010

ITEM	AIRPLANE MAKE	AIRPLANE MODEL	TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR ALTERATION	FAA APPROVED DRAWING LIST		AML AMENDED DATE
					NUMBER	REVISION NO. AND DATE	
1.	Hawker Beechcraft	19A, B19, M19A, 23, A23, A23A, A23-19, A23-24, B23, C23, A24, A24R, B24R, C24R	A1CE	CAR 3	RBBM-00 DL	Revision B, 02-16-2010	
2.	Hawker Beechcraft	76	A29CE	14 CFR part 23	RBBM-00 DL	Revision B, 02-16-2010	

FAA APPROVED: _____

Acting Manager, Seattle Aircraft Certification Office

U.S. Department
of Transportation
**Federal Aviation
Administration**

**Transport Airplane Directorate
Aircraft Certification Service**

1601 Lind Avenue SW.
Renton, Washington 98057-3356

FEB 23 2010

In Reply
Refer To: 150S-GA-10-2

RECD MAR 01 2010

Mr. Gary Hanson
Rosen Sunvisor Systems, LLC
86365 College View Road
Eugene, OR 97405

Dear Mr. Hanson:

The Federal Aviation Administration (FAA) completed the evaluation of your Supplemental Type Certificate (STC) Project No. ST10787SE-A for a sunvisor system on Hawker Beechcraft model 23:

19A	B19	M19A	23	A23	A23A	A23-19	A23-24
B23	C23	A24	A24R	B24R	C24R		

(TCDS A1CE), and model 76 (A29CE) aircraft per your application, dated June 25, 2009 and find that you have satisfactorily demonstrated compliance with the applicable certification regulations. We have enclosed STC SA02053SE, dated February 23, 2010 for installation in accordance with Rosen Sunvisor Systems Drawing List RBBM-00 DL, Revision B, dated February 16, 2010, or later FAA-approved revision.

This STC is official FAA approval for your installation and may be used to authorize identical installations on other aircraft of the same model, subject to the limitations noted on the certificate. It may be transferred or otherwise made available to another party by means of a licensee arrangement in accordance with Title 14 Code of Federal Regulations (CFR) part 21, section (§) 21.47. You are requested to advise this office within 30 days after the transfer, when you transfer or grant licensee rights to the STC, in order that we may take the necessary recording or reissuance action.

If you agree to permit another person to use this STC to alter the product, it is your responsibility to give the other person written evidence of that permission in the form of a "permission statement." This permission statement should contain the agreement specifying the product to be altered, the STC number, and the person who is being given the consent to use the STC.

As recipient of this approval, except as provided in § 21.3(d), you are required to report any failure, malfunction, or defect in any product or part manufactured by you that you have determined has resulted or could result in any of the occurrences listed in § 21.3(c).

The report should be communicated initially by telephone to the Manager, Cabin Safety and Environmental Systems Branch, ANM-150S, telephone number (425) 917-6403, within 24 hours after it has been determined that the failure has occurred.

In addition, written notification to the Manager, Seattle Aircraft Certification Office, ANM-100S, at the above address is required. FAA Form 8010-4 (Malfunction or Defect Report) or any other appropriate format is acceptable in transmitting the required details. If you plan to manufacture replacement or modification parts for sale in conformance with approved data listed on the Certificate, you are required to comply with § 21.303. A Parts Manufacturer Approval (PMA) may be issued under the provisions of § 21.303(d) when you submit a statement certifying you have established the fabrication inspection system as required by § 21.303(h). The identification requirements for parts produced under a PMA are in § 45.15. Your statement may be in letter form, with reference to the STC number, and should be addressed to the Federal Aviation Administration, Northwest Mountain Region, Attention: Manager, Seattle Manufacturing Inspection District Office, 2500 East Valley Hwy., Suite C-2, Renton, Washington 98057-3356.

Since I am very much interested in the service we provide to the aviation community and the general public, it would be helpful if you would provide your thoughts and comments regarding how the approval process went. To gather this information, we have enclosed a short survey (with a self-addressed, stamped envelope) that I hope you will fill out and return. You will note that the return envelope is addressed to me. You may rest assured that your comments will receive my full attention, and that I will hold your comments in strict confidence, should you request I do so. Please note that this customer service survey is common to all Aircraft Certification Offices within the FAA's Aircraft Certification Service. It is aimed at enabling the Aircraft Certification Service to deliver the best services to each of our customers.

If you have any questions, please contact Mr. Patrick Gillespie with the Cabin Safety and Environmental Systems Branch at telephone number (425) 917-6429, by facsimile number (425) 917-6591, or through electronic mail at patrick.gillespie@faa.gov.

Sincerely,

Jeffrey E. Duven
Manager, Seattle Aircraft
Certification Office

3 Enclosures
Original STC
Original AML
Customer Survey with Stamped Return Envelope

Beech Musketeer Series
NSA Sunvisor System

Date	Rev	Approved
9/5/23	J	SYS

Drawing List
RBBM-00 DL

Doc. # 9050-0116-013

Kit						
1160005-0*1	1160007-0*2	1730001-0*3	Drawing	Replaces	Description	Rev.
1			**1160005**		**Complete Assembly**	**F**
	1		**1160007**		**Complete Assembly**	**D**
		1	**1730001**	**RBBM-300-1**	**Complete System Musketeer**	**B**
2			1160101-1		Mounting Plate	F
2			1160102-1		Bonanza Style Swivel	H
	2		1160302		Mounting Plate	B
		2	1730102	RBBM-200-6	Bracket	C
	2	2	1730101	RBBM-200-2	Swivel	C
2	2	2	1020100-001		Assembly Mod Block NSA	F
2	2	2	1020002-001		Modified 'A' Block	P
2	2	2	1020003-001		Modified 'B' Block	V
2	2	2	1010000-5		Complete Slide Assembly	F
2	2	2	1010001-5		Female Slide - Universal	M
2	2	2	1010002-3		Male Slide - Universal	T
2	2	2	1010003		Lens Strip	G
2	2	2	1160401-002	RBBM-200-1	Lens	L
1			9051-0116-002		Installation Instructions for Bonanza/Baron	E
	1		9051-0116-013		Installation Instructions (1160302 Mounting Plate)	A
		1	9051-0173-001		Installation Instructions, Musketeer	C

*1 Sundowner S/N M-2071 and up, Sport S/N MB-909 and up, Sierra S/N MC-604 and up, Duchess ME-74 to ME-147
*2 Sundowner S/N M-1632 to M-2070, Sport S/N MB-762 to MB-908, Sierra MC-336 to MC-603, Duchess ME-1 to ME-73
*3 Musketeer I & II S/N M-1 to M-1631, Super all S/N, Sport S/N MB-1 to MB-761, Sierra S/N MC-2 to MC-335

			R1160102-1 1160102-1	**Kits**	**Bonanza Style Swivel Kit** Bonanza Style Swivel Magnalube	H
			R1010000-KIT-5 1010000-5 1010003 MS24693-C48BP		**Universal Slide with Lens Strip Kit** Complete Slide Assembly Lens Strip #8-32 X .375 Flat Head Phillips SS Black Patch Screw	A F G
			R1160401-002		**Lens Kit**	**L**

Installation Instructions for Beech Sundowner/Sport/Sierra/Duchess with 1160302 Mounting Plate

Kit 1160007-0
(P/N R1160007)

This is an FAA STC installation and requires an Aircraft Maintenance log entry upon completion.

Doc: 9051-0116-013

Rev	Date	Approved
A	6/23/09	GH

*Please read these short instructions **COMPLETELY** before starting.*

Installation Hardware (included):

Qty: (4) MS24693-C276B #10-32x1 Phillips Flat Head Screw
(1) 5/32 Allen Key for #10-32 Screw
(1) 9/64 Allen Key

Installing your Rosen Sunvisor System is easily performed and should take approximately ½ to 1 hour.

- The Rosen NSA Sunvisor System replaces the original equipment, so the first step is to remove those units from the aircraft with a #2 Philips screwdriver.

- Using the machine screws provided, install the new Rosen NSA Visor on the pilot's side first. The new visor will use the same mounting points as the old unit. Orientate the mounting plate to find the most vertical position for the swivel. When installed the pivot post should be nearly vertical with respect to the aircraft.

NOTE: Holding the visor so that it covers the front windscreen in front of the pilot, the red thumb tensioning knob should be towards the windscreen.

- After installing the pilot's side, note that the top of the visor should be fairly level when the pivot point is straight. If it is not, the screw on the low side can be snugged to help achieve a level condition. (This should work in 99% of all cases, but if necessary spacing washers can be fitted underneath the attachment).

- Repeat the same procedure for the copilot's side.

- Every movement of the Rosen NSA System is tensionable and is based on the clevis or slide principle and Hex Keys are provided for that purpose. Adjust tension to your preference now. All motions should be smooth, but not loose.

- To stow, the unit can be rotated straight to the overhead while in front, or moved to the side of the aircraft and rotated overhead. While in the forward position the NSA visor stows nicely overhead.

Continued Airworthiness Instructions:

- (**On the ground only)**
    - Periodically clean the lenses with Rosen Cleaner, Polisher & Protectant, or with a soft cloth, mild soap and water. Do not use abrasives on the lens.
    - Periodically adjust the pivot tensions on the visor assemblies.
- Updates to this Continued Airworthiness section are available on the Rosen Website. (www.rosenvisor.com)

The most up to date version of this document is available on the Rosen Website. (www.rosenvisor.com) We recommend that you periodically look to make sure you are using the most current version.

Airworthiness Limitations:

The Airworthiness Limitations Section is FAA approved and specifies maintenance required under §§43.16 and 91.403 of the Federal Aviation Regulations unless an alternative program has been FAA approved.

There are no airworthiness limitations associated with this installation.