

Supplemental Type Certificate

Number SA2367NM

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 therefor as specified hereon meets the airworthiness requirements of Part 25 of the Federal Aviation Regulations.
(See Type Certificate Data Sheet A21EA for complete certification basis.)

Original Product—Type Certificate Number: A21EA
Make: Bombardier
Model: 600-1A11, 600-2A12, 600-2B16, 600-2B19, 600-2C10, 600-2D24

Description of the Type Design Change: Cockpit Sun Visor installation in accordance with FAA approved Rosen Sunvisor Systems, LLC Drawing List No. RCL 600/601-00DL, dated January 15, 1984, or later FAA approved revision.

Limitations and Conditions: The approval of this change in type design applies to the above model aircraft only. This approval should not be extended to aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the interrelationship 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 FAA approved Rosen Sunvisor Systems, LLC Drawing List Number RCL 600/601-00DL shall be maintained as part of the permanent records of 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: January 15, 1984

Date reissued: March 24, 2003

Date of issuance: April 4, 1984

Date amended: 11/30/1990; 3/24/2003; 6/4/2004



By direction of the Administrator
James A. Rebel
(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.



SUPPLEMENTAL TYPE CERTIFICATE

10039248

This Supplemental Type Certificate is issued by EASA, acting in accordance with Regulation (EC) No. 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation and in accordance with Commission Regulation (EC) No. 1702/2003 to

ROSEN SUNVISOR SYSTEMS LLC

**86365 COLLEGE VIEW ROAD
EUGENE OR 97405
USA**

and certifies that the change in the type design for the product listed below with the limitations and conditions specified meets the applicable Type Certification Basis and environmental protection requirements when operated within the conditions and limitations specified below:

Original Product TC Number : EASA.IM.A.023

TC Holder : BOMBARDIER

Model : CL-600-1A11/-2A12/-2B16/-2B19

Model : CL-600-2C10/-2D24

Original STC Number : FAA STC SA2367NM

Description of Design Change:

Cockpit Sunvisor Installation

EASA Certification Basis:

The Certification Basis for the original product remains applicable to this certificate/ approval. The requirements for environmental protection and the associated certificated noise and/ or emissions levels of the original product are unchanged and remain applicable to this certificate/ approval.

See Continuation Sheet(s)

For the European Aviation Safety Agency,

Date of issue: 20.04.2012

Christian GUNITZBERGER
Deputy Section Manager /
Project Certification Manager
Large Aeroplanes

Note:
The following numbers are listed on the certificate:
EASA current Project Number: 0010015282-001

SUPPLEMENTAL TYPE CERTIFICATE - 10039248 - ROSEN SUNVISOR SYSTEMS LLC



Associated Technical Documentation:

FAA STC No. SA2367NM dated 04 June 2004.

Rosen Sunvisor Systems, Master Drawing List No. RCL 600/601-00DL Revision E, dated 29 June 2010, or later approved revision.

or later revisions of the above listed documents approved by EASA in accordance with EASA ED Decision 2004/04/CF (or subsequent revisions of this decision)

Limitations:

None

Conditions:

Prior to installation of this modification it must be determined that the interrelationship between this modification and any other previously installed modification and/ or repair will introduce no adverse effect upon the airworthiness of the product.

- end -

Note:

The following numbers are listed on the certificate:
EASA current Project Number: 0010015282-001

SUPPLEMENTAL TYPE CERTIFICATE - 10039248 - ROSEN SUNVISOR SYSTEMS LLC



Monorail Sunvisor System
for
Challenger 600/601/604

Date	Revision	Approved
11/7/23	M	SYS

Drawing List
RCL600/601-00DL

Doc. # 9040-0177-001

Drawing #	Replaces	Description	Rev.
1770300	RCL600/601	Assembly, Monorail, Challenger	E
1770100	RCL600/601-100-1, -2	Monorail Assembly	E
1770101		Monorail	C
1770102	RCL600/601-100-3, 4	Mid Bracket	C
1770103	RCL600/601-100-7, 8	Front Bracket	C
1770104	RCL600/601-100-5, 6	Aft Bracket	C
1770400	RCL600/601-300-3	Assembly, Lens	C
1770401	RCL600/601-200-3	Lens	G
1110202		Swivel Nut Plate	E
1120000-001	RCBS-100	Complete Assembly Clamping Block	K
1120101-001	R1120000-001 RCBS-100-7A	Nut Plate - Standard	L
1120102-001	R1120101-001 RCBS-100-8AB	Clamping Block Body	L
1120104	R1120102-001	Thumb Knob - Standard	M
1120203		Swivel	P
9041-0177-001		Installation Instructions	D

Drawing #	Description	Rev.
	KITS	
RCBS-300-11M	Kit, Standard Thumb Knob	D
1120104-002	Thumb Knob	M
RCBS-300-18	Spring	
PCS-1000-14-STZ	E-Clip	
RCBS-100	Clamping Block Assembly	E
1120000-001	Clamping Block	K
1110202	Swivel Nut Plate	E
832X716FSHCSSBP	Screw, 8-32 X7/16 Flat Socket Head 82°	
832X14BSHCSSBP	Screw, 8-32 X 1/4 Button Head Socket	
PCS-1000-14-STZ	E-Clip	
R1770401	Lens	G

Installation Instructions for Challenger 600/601/604 Monorail Sunvisor System

(Kit RCL600/601)

(R1770300)

This is an FAA STC'd installation requiring a logbook entry upon completion.

Doc: 9041-0177-001

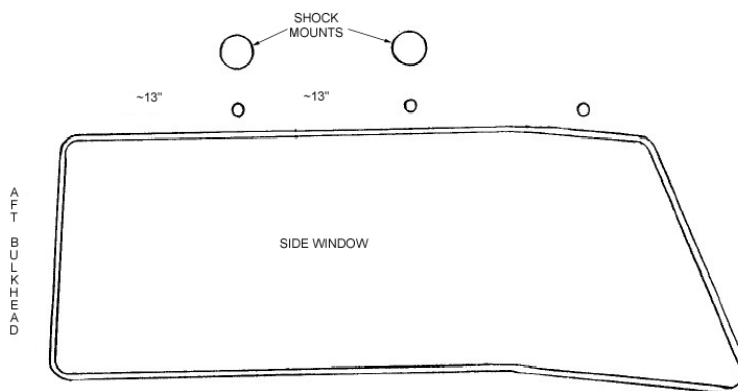
Please read through these instructions completely before beginning.

Rev	Date	Approved
D	7/7/10	SYS

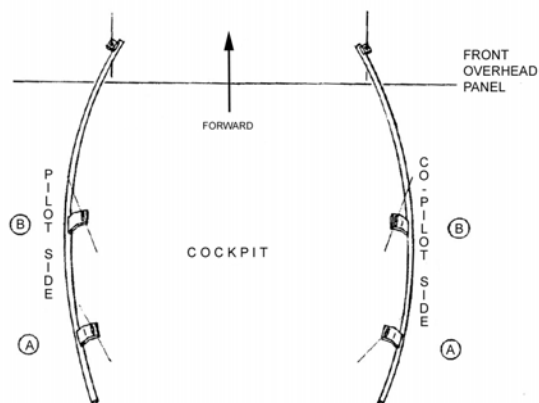
Hardware (included):

- | | | |
|---|------------------|--------------------------------|
| 6 | AN526C832R10 | #8-32 x 5/8 SS Screw |
| 6 | AN960D9 | Aluminum Washer |
| 2 | A8K75 | #8-32 Open End Aluminum Rivnut |
| 1 | 3/32 Hex Key | |
| 1 | 7/64 Hex Key | |
| 2 | PCS-1000-14-STZO | E-Clip |

- On either side of the Challenger cockpit, just above the window line, there are several #8 fasteners. These mounting points are used to fasten the monorail brackets to the overhead side wall and are at slightly different spacing on each aircraft measured.



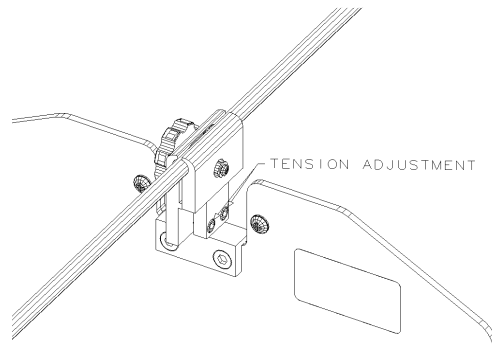
- Remove the two #8 machine screws (A) and (B) on either side of the cockpit. Temporarily install the pilot's and co-pilot's side rails, using the AN526C832R10 fasteners provided.



- Hold the front mounting bracket against the front overhead panel by hand and check the clearance of the rail as it passes underneath the leading edge of the panel (approximately 8-9" from the end). Clearance should be approximately 0.150" at this point. Since interior treatments differ in most aircraft, the rail may need to be bent slightly to obtain this clearance. If such is the case, remove the AN526C832R10 fastener from the aft bracket and loosen the middle one. With one hand holding the rail at the point it passes under the panel, gently force the forward end of the rail upward. Replace the fastener in the aft location and recheck the clearance.
- When sufficient clearance is obtained, firmly fasten the aft and middle brackets and mark the front bracket fastener hole. Install the rivnuts provided using appropriate installation tooling and procedures. If desired, appropriate nut plates may be substituted for the rivnuts. Fasten the front brackets.

NOTE: The rivnuts provided are A8K75 with a grip range of 0.010 to 0.075". These should be adequate. If using thicker Royalite or other headlining material, make sure that proper rivnuts or nut plates are used.

- Install a visor assembly on each rail. When the visor is on the rail the tensioning knob should face the pilots.
- To move the visors, loosen the thumb tensioning knob until the clamp is loose enough to be slid along the monorail while holding the thumb knob. To move past the mounting brackets, the visor must be positioned so the clamps pass over the brackets.
- Your monorail system is equipped with a swivel design that allows rotation about the axis of the lens. Rotational tension can be adjusted by adjusting one or both of the hex socket head cap screws on the back side of the clamp block and below the thumb knob screw.



- The visor should be aligned with the clamp block before sliding along the monorail.
- After tensioning, install retaining e-clips PCS-1000-14S-STZ0 in the groove at the end of the thumb tension knob threads. **CAUTION:** Do not remove the tension knob once the e-clip has been installed, the visor clamping blocks will separate completely and become non-functional.

Continued Airworthiness Instructions:

- **(On the ground only)**
 - Periodically clean the lenses with a soft cloth using Rosen's Plastic Cleaner, Polisher and Protectant, or 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)

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.