

Installation Instructions for Universal Ball Mount Sunvisor System

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Rev	Date	Approved
C	12/5/07	GH

Installing your Rosen Universal Mount Sunvisor System is easily performed and should take approximately 1/2 to 1 hour.

Please read through these instructions completely before beginning.

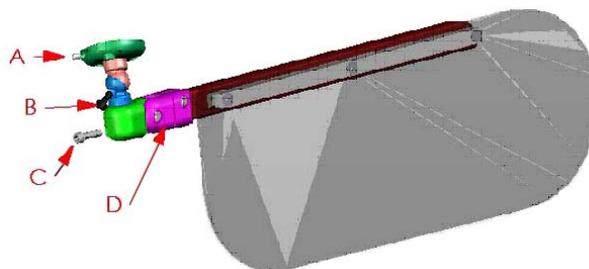
Installation Hardware (included):

- (1) 9/64 Allen Key for #8-32 Cap Screw
- (1) 5/32 Allen Key for #10-32 Cap Screws
- (1) 3/32 Allen Key for #10-32 Set Screw
- (2 or 4) MS24693-C274B #10-32x3/4 FH Screw (Oval Mount)
- (3 or 6) MS16996-11B #10-32x5/8 SHC Screw (Ring Mount)
- (3 or 6) 10HCLW #10 Hi Collar Washer (Ring Mount)

Note: Depending on your installation, you will have excess hardware.

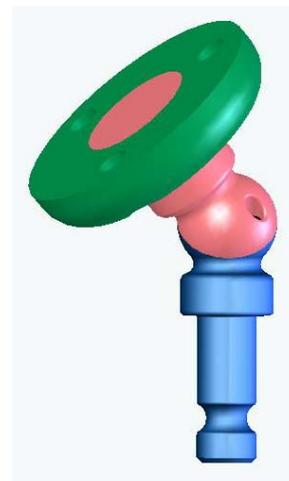
1. Determine the Best Position for Mounting:

- a. Loosen the mount plate to ball post set screw (A), the angle pivot (B), and the visor arm to ball post clamp (C). The pivot on the arm joint (D) should be straight and snug.
- b. Holding the visor arm level rotate the three loosened joints and find a location that will provide structural support to the assembly.
- c. Mark this location.



2. Mounting the Ball Joint:

- a. Remove the #8-32 by 5/8 inch socket head cap screw from the end of the visor clamp (c).
- b. Slide the visor arm off the ball post.
- c. Position the ball post and mounting plate assembly in the location identified in step 1. Position the mounting plate so the set screw in the side is accessible.
- d. Mark the locations (2 or 3 depending on the mount plate) and provide structural support for the #10-32 by 1 inch mounting screws. (Rivnuts or other captive fastening devices are recommended).
- e. Loosely attach the mounting plate and ball joint assembly in place.

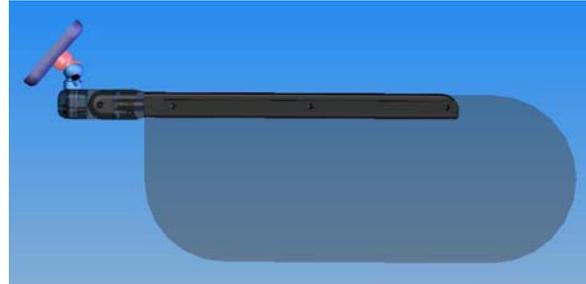


3. Setting the Pivot Mount Angle:

- a. Rotating the ball joint assembly in the mount plate and the ball joint itself position the arm mounting post as near to vertical as possible.
- b. Holding the post, lightly tighten the mounting plate set screw (A).
- c. Lightly tighten the ball joint socket head cap screw (B).

4. Mounting the Visor Arm:

- a. Reposition the visor arm assembly on the post and start the #8-32 socket head cap screw (C) being careful not to disturb the angles set in step 3.
- b. Supporting the weight of the visor arm assembly verify that appropriate coverage is provided without interfering with aircraft control operations.



5. Final Tightening of the Mounting Assembly:

- a. If necessary remove visor arm from post as done in step 2a and 2b.
- b. Fully tighten the mount bracket to airframe screws
- c. Fully tighten the set screw in the side of the mount bracket (A).
- d. Fully tighten the socket head cap screw in the ball joint (B)

6. Attaching the Visor Arm:

- a. When attaching the arm the red screw knob and slide assembly should be away from the pilot or co-pilot. Notice the visor can be rotated in the block to match the required configuration.
- b. Reattach the visor arm to the ball joint post and secure by installing the #8-32 socket head cap screw (C) and tension until it allows smooth but not free movement. When properly assembled the entire post will be covered and there will be no gap between the ball joint shoulder and the arm block assembly.

7. Final Tensioning, Operation, and Use:

- a. Tension all the socket head cap screws in the arm until all the motions are smooth but not free. Tensioning can be performed to individual preference.
- b. Using the red knob tension for the sliding motion can be set to individual preference.
- c. Remove the lens protective covering before use.
- d. For continued airworthiness, periodically clean both sides of the visor with mild soap or approved aircraft windscreen cleaner and verify appropriate tension level for all the pivot joints.

Continued Airworthiness Instructions:

- (On the ground only)
 - Periodically clean the lenses with a soft cloth, mild soap and water or an approved aviation grade windscreen cleaner. 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.