



ROSEN PRODUCT DEVELOPMENT INC.

P.O. BOX 21636, EUGENE, OR 97402 (503) 342-3802

INSTALLATION INSTRUCTIONS

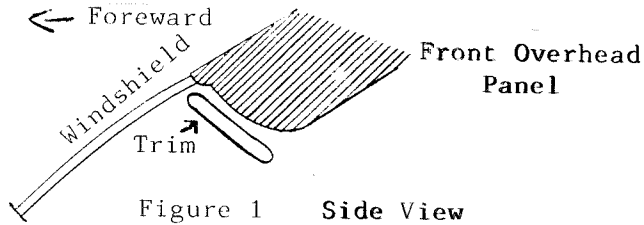
for

AERO COMMANDER MONORAIL SUNVISOR SYSTEM

DRAWING #RAC-400

Your Rosen Monorail Sunvisor System has been fitted in many different Aero Commanders and fits well. There are, however, some different trim options that need slightly different installation procedures. (These relate mainly to mounting the front two brackets.) Also, it was noted that at times optional equipment such as map lights, etc. have been mounted in such a position to interfere with the monorail. If your aircraft happens to be one of those, then a slight change of position will be required for that equipment. There has not been any observed interference with factory installed equipment.

- o Prior to taking the monorail into aircraft pull the trim from the bottom of the front overhead panel. The type of trim varies depending upon the year of the aircraft. Older models have wood trim covered with leather or naugahyde; newer models simply have Royalite. To remove the trim it is necessary to remove the tinted plastic eyebrow along the front of the windshield. With this removed it will feel like you've been given a much larger windshield and will help night vision--a visor device should only be in place when needed!



- o Now bring the monorail into the cockpit. With an assistant, hold the rail centered so that the front brackets fit on the lip of the front overhead panel. On some aircraft a small amount of Royalite facing on the front overhead panel will need to be trimmed to allow a smooth fit. (MAKE SURE THE MONORAIL IS CENTERED BEFORE CUTTING TRIM.)
- o In a few rare cases the front bracket will need to be "tweaked" either in the vertical or horizontal position. To accomplish this, protect the chrome with a cover and use a larger adjustable jaw wrench--the bracket has been annealed and should form without much effort.



- o Mark slot locations in front brackets on inside of front overhead panel.
- o With rail approximately 1 1/4" above side windows, mark each side bracket location. (Make sure bracket is resting on Royalite trim material and not cloth headliner.)
- o With all bracket locations marked, drop hinged portion of overhead panel and check that the area marked for installation is free of electrical equipment or other items of hardware. The front brackets are slotted so that the rivnut and corresponding fastener can be moved right or left as necessary.
- o Install A8K75 rivnuts supplied in front overhead panel.

Continued.

- o With front overhead panel in correct position minus trim, loosely install AN507-8/32R12 fasteners in front brackets and recheck alignment of right and left side brackets.

A8K75 Rivnut

Royalite Side Trim

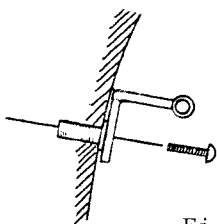


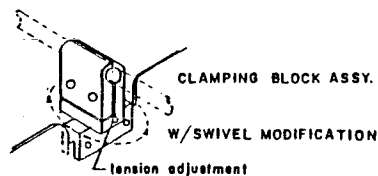
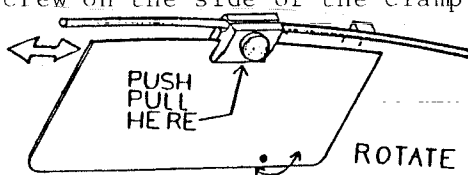
Figure 3

- o Install A8K75 rivnuts in Royalite trim on either side of aircraft as marked. (Do not drill into aircraft structure.)
- o Reinstall rail using AN526C-8/32R5 fasteners provided for the side brackets.
- o Reinstall front overhead panel bottom trim and, depending upon fit around front bracket, trim Royalite or wood slightly depending upon your model of Aero Commander. The Royalite trim should not interfere with the visor assembly as it slides by the bracket.
- o Install the two visor assemblies with thumb tension knobs in-board (towards pilots).
- o Install small retainer rings in groove on end of thumb tension knob (this will prevent the pilots from over loosening the thumb tension knobs).

OPERATING INSTRUCTIONS

Your Rosen Monorail Sunvisor System was designed for easy use and maintenance and is the most functional unit on the market.

- o To use either visor, rotate down if stowed by using the lens as a lever.
- o Loosen the thumb tension knob and while still holding the knob, slide the visor smoothly along the monorail. (DO NOT SLIDE THE VISOR BY HOLDING THE LENS.)
- o To use anywhere on the system, tighten the thumb tension knob as desired. To swivel just rotate the lens in the vertical axis. Swivel tension can be adjusted with the set screw on the side of the clamping block.



- o Both visors can travel completely around the aircraft.
- o To have additional room when the visor is used on the side windows, rotate the visor into the window recess.
- o To stow, tighten the thumb tension knob and, using the visor as a lever, rotate to the overhead.
- o Periodic cleaning of the rail with rubbing alcohol will insure a positive clamp.
- o When the visor is stowed overhead on either side, those Aero Commanders with the overhead eyebrow window have a real plus--a secondary sun screen for the high overhead sun conditions.
- o We welcome any comments on how we might improve our system or for other product ideas you might have to enhance your aircraft.