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

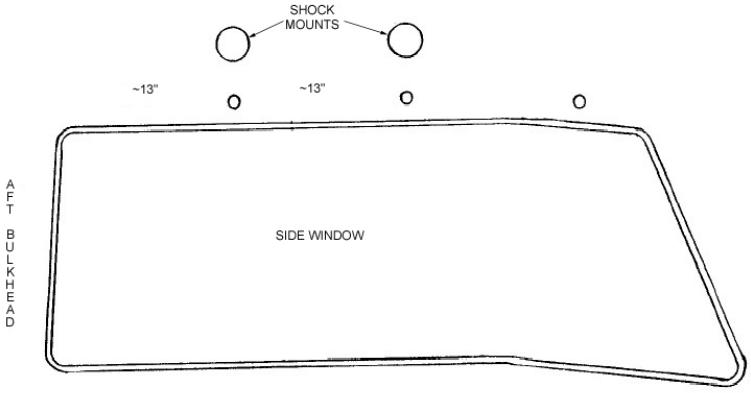
Rev	Date	Approved
D	7/7/10	SYS

Please read through these instructions completely before beginning.

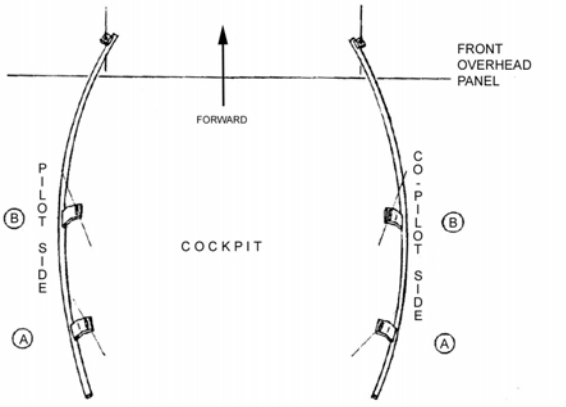
Hardware (included):

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.

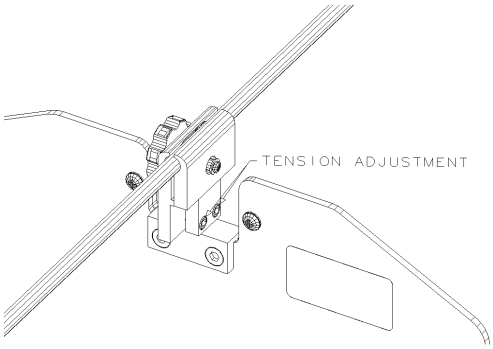


- Remove the two #8 machine screws (A) and (B) on either side of the cockpit. Temporarily install the pilot's and co-pilot's side rails, using the AN526C832R10 fasteners provided.



- 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.