


# SHOULDER HARNESS CROSS BAR RETROFIT KIT INSTRUCTIONS

## PER SERVICE BULLETIN 69


**Note: The location of the cross bar provides adequate head room clearance for the majority of pilots with the seat back in most positions. If a possibility of striking the cross bar exists, it is strongly recommended that adequate padding be added to the cross bar.**

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The shoulder straps on Glasair models should be lowered to meet angular requirements of FAA Advisory Circular 21-34. Figure 14 in Chapter 2 depicts the acceptable shoulder strap elevation range from -5 degrees to +30 degrees behind the shoulders. The Anchor Bar is secured to the cage with a Tube Clamp at each end.



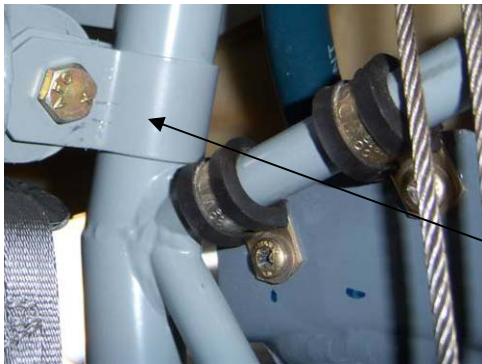
The existing anchor points located on the aft spar carry-through tube produce a strap elevation angle of 55 degrees in a mid-seating position.

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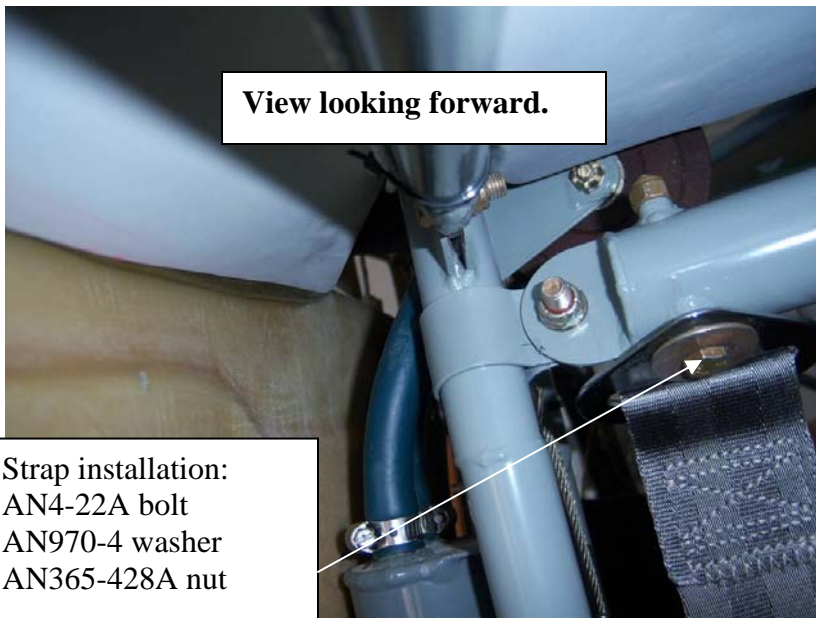


The clamp-up bar anchor points produce a shoulder strap elevation angle of 25 degrees in a mid-set position.

Shoulder Strap Anchor Bar Installation:



1.0" dia. tube-clamp  
AN5-6A bolt  
AN960-516L washer  
AN365-524A nut  
(use padded vise grips to close the clamp)



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