

SERVICE BULLETIN 100 MANDATORY

SUBJECT: NOSE GEAR DRAG BRACE, POSSIBLE FAILURE TO LOCK OVER-CENTER

APPLICATION: All Glasair III kits

DESCRIPTION: Each of the nose gear drag links on the Glasair III has a small machined surface, shown by Flag #1 in FIGURE (1), that mates against a plate welded to the drag brace when the nose gear is fully extended. We have been notified of one instance in which these mating surfaces were machined at the wrong angle, resulting in failure of the drag links to rotate over-center relative to the drag brace.

WARNING: The nose gear drag links must rotate over-center relative to the drag brace so that drag loads on the wheel tend to lock the nose gear more solidly in the extended position; otherwise, the nose gear may collapse.

SOLUTION:

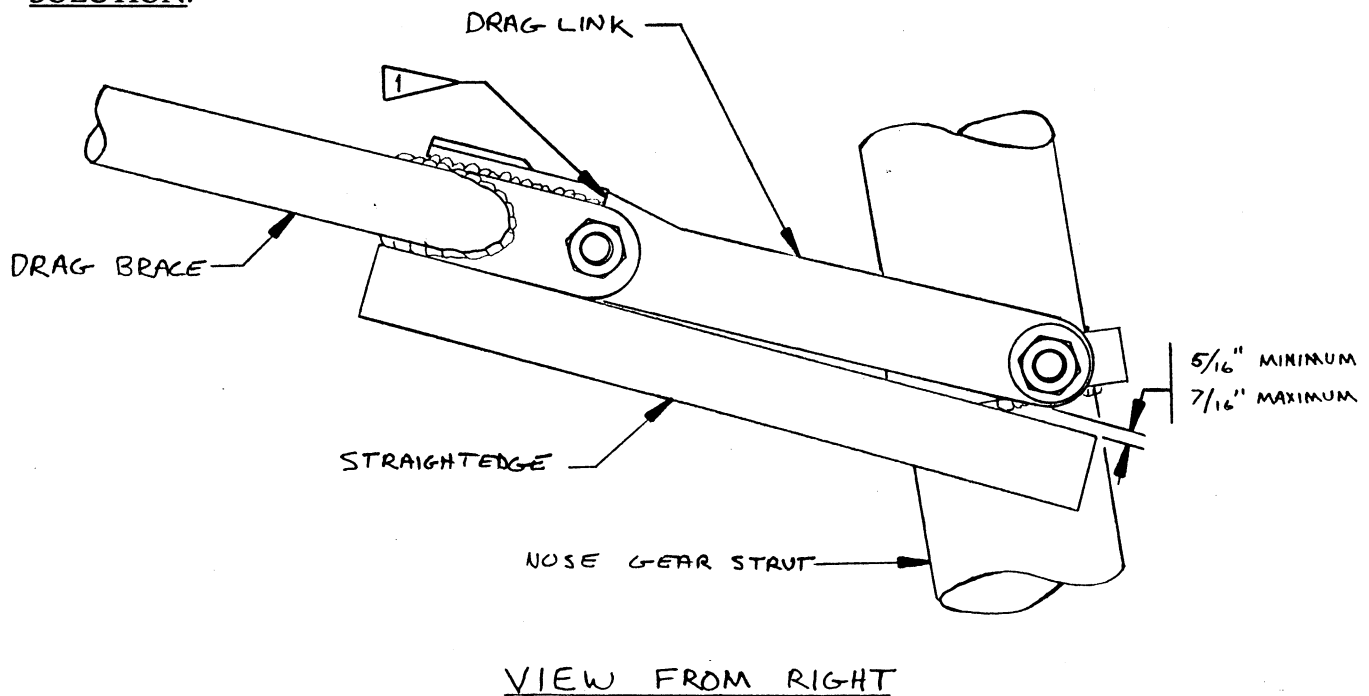


FIGURE (1)

When assembling the nose gear drag links to the nose gear drag brace, verify that the drag links rotate over-center. Check this by measuring between the lower forward end of each drag link and a straightedge placed against the lower edge of the side plate on the nose gear drag brace, as shown in FIGURE (1). The gap between the forward end of the drag link and the straightedge must be between 5/16" and 7/16". File the surface on the drag link referenced by Flag #1 in FIGURE (1) to achieve this dimension.

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