

SERVICE BULLETIN 67

SUBJECT: TRIM SYSTEM INTERFERENCE BETWEEN CABLE DRUM AND TRIM CONTROL BOX HOUSING

APPLICATION: All Glasair II and Glasair III aircraft and Glasair Is that have been retrofitted with the Glasair II/III trim system

DESCRIPTION: The position of the cable drum (522-3523-001) results in contact between the lowest cable guide flange on the drum and the rounded lower corners of the trim control box housing (472-3520-101) when the drum is rotated to certain positions, as shown in FIGURE (1). Under extreme conditions this interference may make it impossible for the cable drum to rotate sufficiently to contact the stop pin on the cable housing, thus limiting full elevator trim movement.

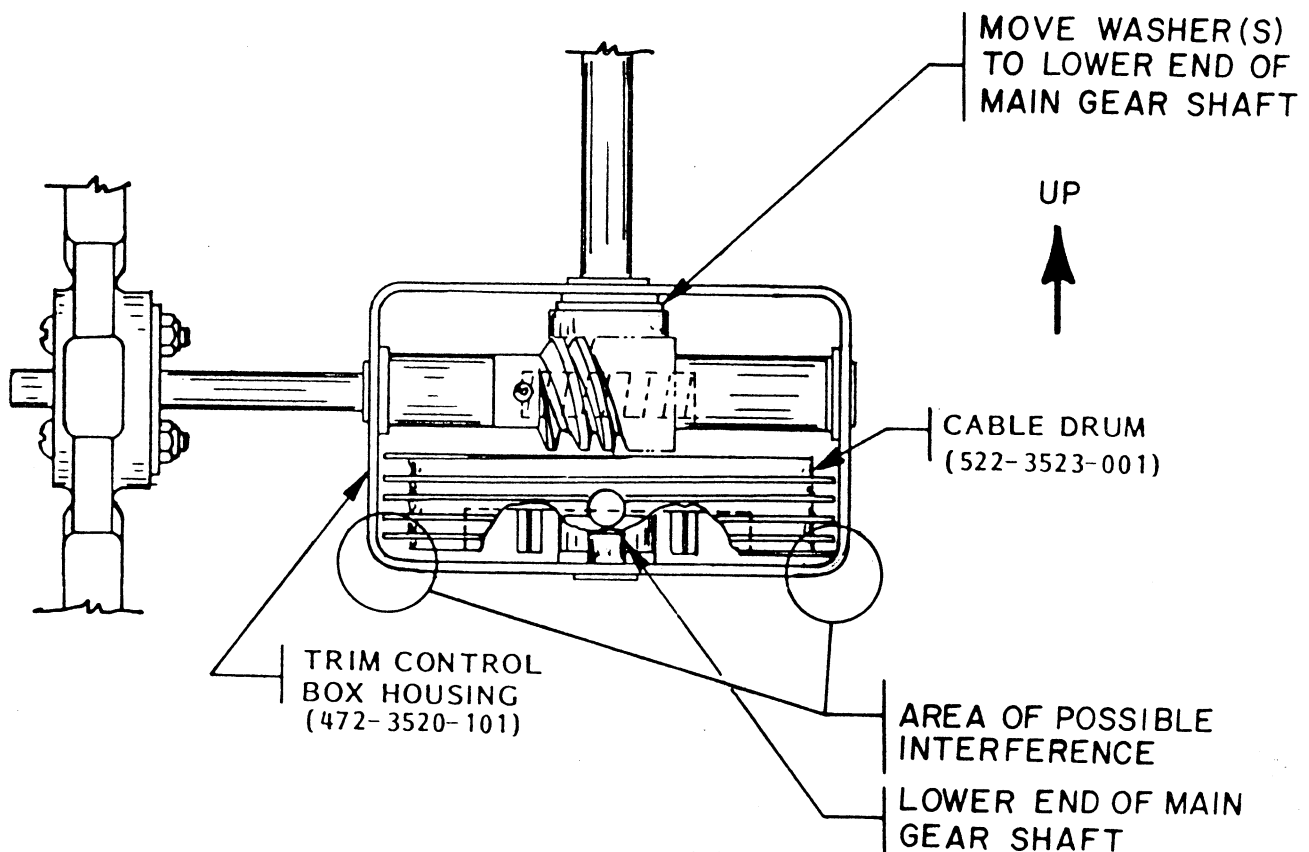


FIGURE (1)

SOLUTION: If a washer has been installed between the upper end of the main gear and the upper NAS77-4-06 bushing in the trim housing, move the washer to the lower end of the main gear shaft, between the NAS42DD8-12 spacer and the lower NAS77-4-06 bushing. This shifts the cable drum upward in the housing to provide better clearance and also improves the alignment of the main gear with the worm drive.

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If the cable drum still contacts the trim housing during drum rotation, use a file to carefully relieve the lowest flange of the cable drum, as shown in FIGURE (2).

**CAUTION:** Take care to relieve only the lowest flange and then remove only the minimum amount necessary to provide clearance for the drum to rotate freely from stop to stop.

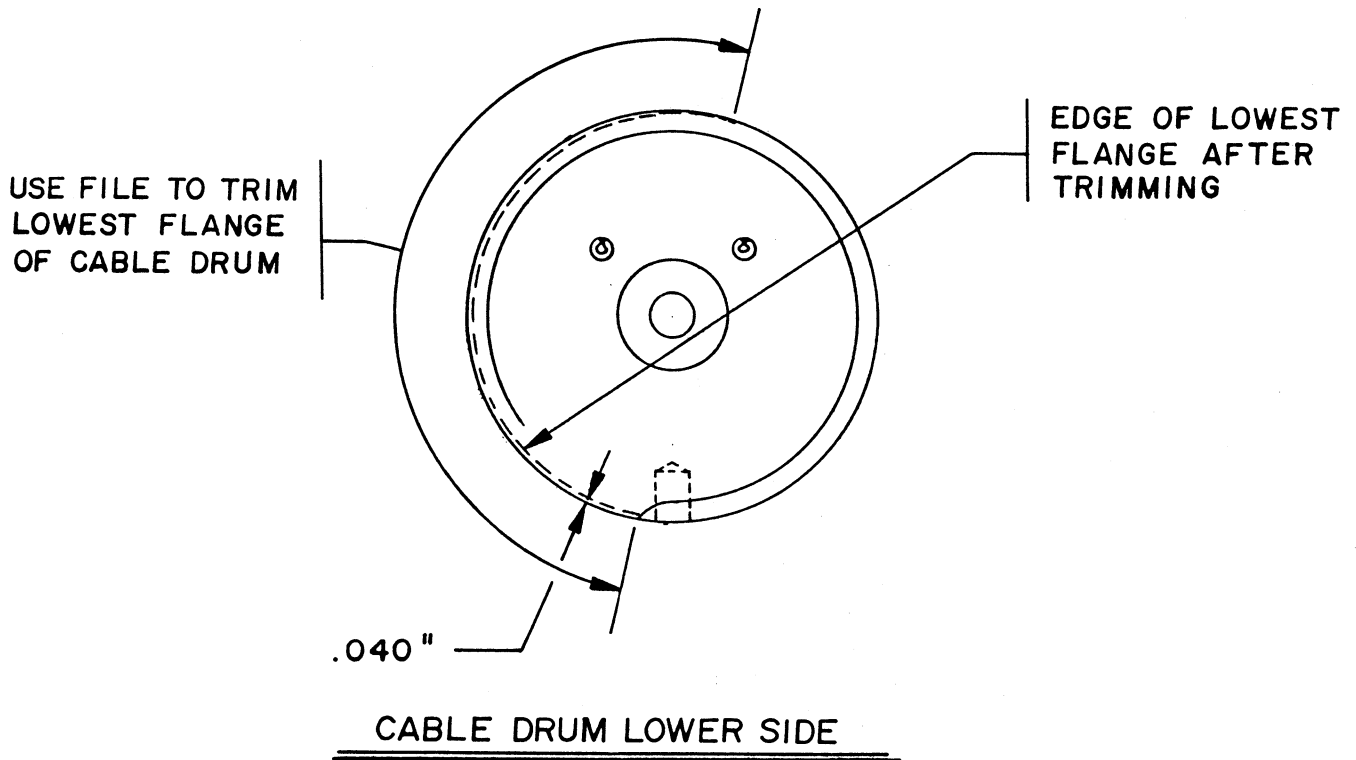


FIGURE (2)

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