

SERVICE BULLETIN 60

SUBJECT: DEFECTIVE HYDRAULIC SYSTEM TUBING

APPLICATION: Aluminum hydraulic tubing (6061-T4, .250" OD x .035" wall) shipped with Glasair I RG, Glasair II RG, and Glasair III kits between approximately November 1, 1986, and July 31, 1987. The defective tubing is marked with lot number: 39611.

DESCRIPTION: When some builders began reporting serious difficulty flaring the retractable gear hydraulic system tubing, we obtained samples of the tubing for testing by the manufacturer. The testing revealed that the tubing had evidently been improperly quenched at the time of production, resulting in excessive hardness and a failure to meet the material specification requirements for flare OD without cracking.

SOLUTION: If you received your retractable gear hydraulic system tubing within the approximate time frame referenced above (either as part of a complete kit or a System 4 kit), or if you have experienced difficulty flaring the tubing, check the lot number printed on the tubing. If you have tubing from the defective lot number (39611), send us a small piece that has the lot number printed on it as verification. We will replace defective tubing free of charge with 6061-T6 MIL T-7081 hydraulic line tubing, which is what we have been supplying since July, 1987. We will supply 78 ft. of tubing for Glasair III's and 60 ft. of tubing for Glasair I and II RG's.

WARNING: Do not use the defective tubing for your retractable gear hydraulic system. Even if you are able to successfully flare the tubing during construction (unlikely), an increased possibility exists for the tubing to fail in service.



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