

SUBJECT: MAIN AND NOSE GEAR HYDRAULIC ACTUATOR ROD-END REINFORCEMENT

APPLICATION: All Glasair III aircraft kits delivered prior to 1992 may be affected. (the exact date is difficult to determine)

DESCRIPTION: Service reports from the field have indicated that there may still be some Glasair IIIs who have not upgraded or reinforced their rod ends per the original Service Bulletin #77. Also service reports indicate that the G-III nose gear hydraulic actuator rod should also be reinforced if the threaded portion is exposed more than 1/4 inch. This supplement makes it mandatory to reinforce the nose gear hydraulic actuator rod as described below and either reinforce the existing earlier main gear rod ends with the threaded barrels or replace the main gear rod ends with the stronger heat treated ones.

SOLUTION FOR MAIN GEAR: Refer to the original Service Bulletin #77 for details on the installation of the main gear **threaded barrels (part number 523-5627-001)**.

As an alternative the original main gear rod ends can be replaced with the newer **heat treated rod ends, (part number 170-0100-006)**. **Two are required per airplane.**

The early rod ends can be identified by the vendor part number MM-5MT-1 or MM-5T-1 stamped on the bearing. The newer heat treated rod ends have the number AM-5MT-5 on them. Unfortunately there is no other physical way to tell them apart and partial removal may be necessary to see the number.

Current kits are delivered with both the newer heat treated rod ends and the threaded barrels as a double measure of security. **It is highly recommended that both are used if possible.**

To place your order, call the Stoddard-Hamilton order desk at 206-435-8533.

SOLUTION FOR NOSE GEAR: The threaded barrel (part number 523-5627-001) is also used to reinforce the exposed threaded end of the nose gear hydraulic actuator rod when the measured distance between the aft end of the rod end bearing and the shoulder of the hydraulic actuator rod is more than 1/4 inch. Refer to Step T-8, Revision I, dated 7/01/92, on pages G-227 through G-229 of the Final Assembly section in the Instruction Manuals, for installation instructions.



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