

SUBJECT: Glasair I/II RG, PC boards that were shipped with "Option 1" diodes in place.

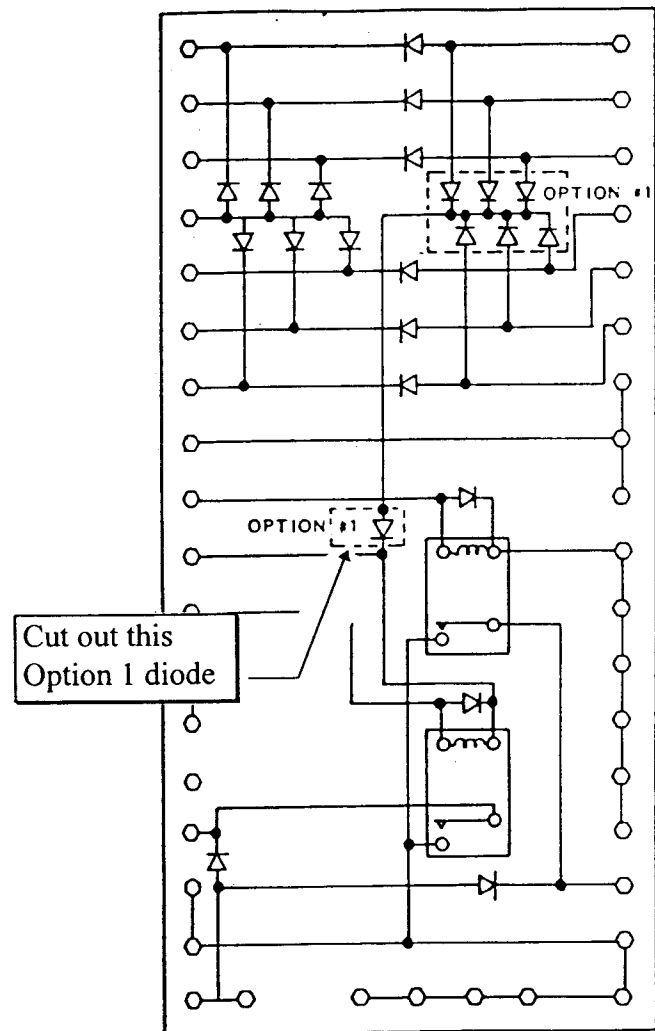
APPLICABILITY: All Glasair I RG, II RG, II-S RG and Super II RG aircraft shipped prior to October 1995.

COMPLIANCE TIME: Immediately after the receipt of this bulletin and prior to flight.

DESCRIPTION: It has come to our attention that there were several PC boards, used in the Glasair I/II/II-S and Super II retractable gear systems, shipped with Option 1 diodes installed. This will not affect normal gear operation. However, should a micro switch fail, this could cause a failure mode that would affect proper gear retraction. If, with the Option 1 diodes installed, a transit switch were to stick in the NC (normally closed) position during gear retraction, it would bypass the pressure switch, causing the gear pump to continue to run after the gear reached the fully retracted position. In this situation, the pilot would be alerted to a problem by the red transit light, which would be illuminated. If, with the Option 1 diodes installed, a side-brace switch were to stick in the NO (normally open) position during gear retraction, it would again bypass the pressure switch, preventing the gear pump from shutting off. In this situation the green light for the offending switch would be illuminated, even though the gear was in the up position. If the pump were to continue running, it could overheat, possibly damaging the motor and keeping the gear from extending.

REQUIRED ACTION: Remove any access panels necessary to visually inspect your PC board. If the Option 1 diodes are present, use a small pair of side cutters (dikes) to cut out the single Option 1 diode located to the left of the two black solenoids on the PC board. The removal of the single diode will disable the other Option 1 diodes located in the rectangular box near the top of the board.

NOTE: The Option 1 diodes were designed to be used with the early style Glasair III gear retraction system and worked fine in that application.



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