

Subject : Landing gear lock

Effectivity : DG-1000S and DG-1000T up to ser. no. 10-79 (standard from 10-80 on)

Accomplishment : Instructions 1: 31.July.2006
Instructions 2: if necessary

Reason : 1. To enable the instructor to visually check the correct locking of the landing gear in extended position the left side cover in the rear cockpit shall be modified.
2. It happened on one DG-1000 that the over centre lock of the landing gear unlocked and the landing gear extended during trailer transport.

Instructions : 1. Remove the left side cover from the rear cockpit and enlarge the opening in the front wall according to photo 1. Smoothen the edge and apply an edge protection. Paint the locking boss at the control rod with suitable white paint. Photo 1 shows the locked position. On photo 2 the landing gear is extended but not locked.
2. If the landing gear unlocks during trailer transport on your DG-1000 you may increase the locking force by gluing a 3mm thick piece of felt to the stop block in the left upper edge of the landing gear box, see sketch 3. After installation of the felt check if the landing gear can still be extended and retracted and locked from the front seat.
If you have to retract the landing gear from outside the cockpit always do it from the rear cockpit as the operating loads are smaller than from the front cockpit.

Material : edge protection 125 mm long
felt self-adhesive 3mm x 20mm x 20mm

Weight and balance : influence negligible

Remarks : Instructions may be executed by the owner.

Bruchsal, date:
May 17.. 2006

Author:
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This service info has been approved by EASA date 23. April 2008 with technical note DG-G-04.
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Photo 1

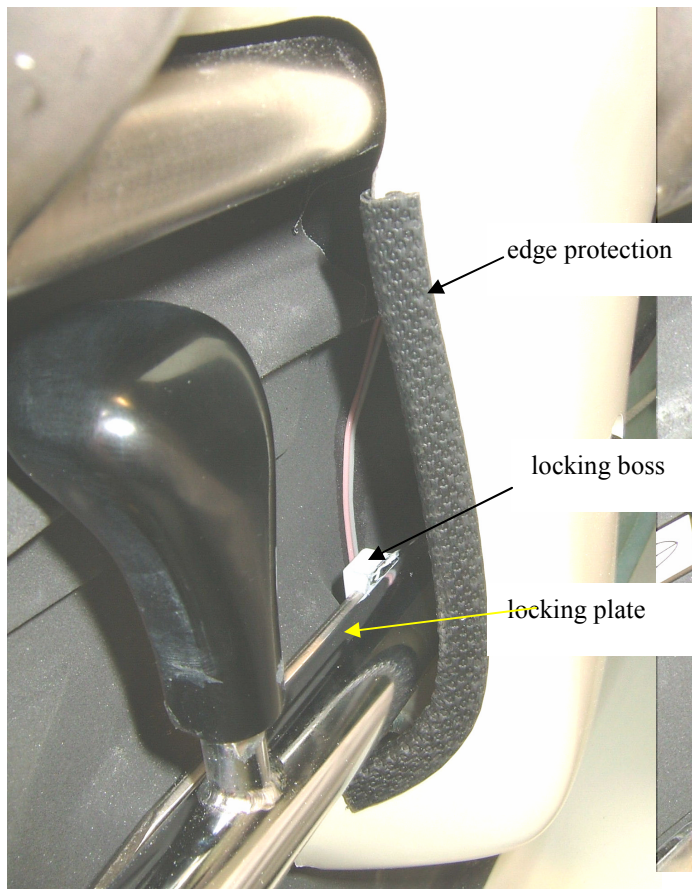


Photo 2



Sketch 3

