



THE GLIDING FEDERATION OF AUSTRALIA INC

C4/1-13 THE GATEWAY, BROADMEADOWS, VIC 3047
PHONE +61 (0) 3 9359 1613, FAX +61 (0) 3 9359 9865. ABN: 82 433 264 489

Airworthiness Alert 2018-3 DG-500/1000 **Undercarriage Lock**

Overview

The undercarriage control knob was not remaining in the locked position. Not obvious it was faulty.

Investigation

Removed left side rear seat control cover. Found rotation spring was not in tension. The pushrod should apply rotation tension to spring but was unlocked (See photos attached). De-rigging allowed access to rear connection of pushrod. Found jam nut loose.

The spring washer is inadequate to lock the tube that wants to rotate loose. Design defect.

Recommendation/Action

1. Applied Loctite stud locker high strength to second lock and re-tighten
2. Report all cases of unlock that have or do occur.

Report

Notify the GFA in the usual manner by submitting an online SDR ie Defect Report by SOAR system on the GFA website. SOAR prompts you to provide the information we need – only complete information which is useful – it is simple and we will ask if we need more.

Dennis Stacey
GFA CTO
11/05/2018

