

Subject: Limitation of operating envelope
Applicability: **Ka 2;** Type-Certificate LBA 140; all serial numbers
Ka 2b; Type-Certificate LBA 203; all serial numbers
Classification: Major Change
Urgency: optional, strongly recommended

Reason: It was found that more and more occurrences were reported where structural failures resulting from material fatigue or other signs of aging occurs (see also TN 15). While the German authority published requirements for the maintenance and check of older aircrafts for national aircrafts (Annex I) with the NfL II 6/12 an equivalent requirement is not yet available for European aircraft but is under development at the moment. Further, the Operating manuals of the affected aircrafts does not contain instructions of the maintenance at higher operating times or aircraft age ('Inspection Program to Extend Service Life'). It is aimed to develop a uniform European solution for older aircraft. For this reason, no specific inspection program for Schleicher aircrafts will be introduced at the moment. However, to take into account the age of the aircraft, it is recommended to limit the permitted operating range.

Action: The following limitations for the approved operating envelope are introduced:

- Cloud flying prohibited
- Aerobatics including spins prohibited

The manual appendix 02-2021 must be inserted in the Flight and Operations Manual of the glider as an annex and a corresponding entry must be made into the "Amendments to the Manual".

The following placard must be installed in the cockpit (front and rear cockpit):

Aerobatics, spins and cloud flying are not permitted!

Material and Drawings: Appendix 02-2021 for the Flight and operations Manual, issue 01.03.2021.

Mass and Balance: No change in mass and C. of G. position.

Notes: The change of the manual has to be considered as a Pilot/Owner maintenance task regarding aviation law.

Attention should be drawn here once again especially on the importance to comply with loading and operating limits, especially with older aircraft. The operation of the aircraft within the permissible limits is essential for safe flight operations!

The BGA (British Gliding Association) published already 2004 for several older Schleicher aircraft the inspection instruction 042/07/2004 which can be free accessed in the latest revision 6. Operators of older aircraft, also outside the applicability of the BGA is advised to consider these inspection instructions for the maintenance of their aircrafts.

Poppenhausen, 01.11.2021

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This Technical Note bases on a change which was approved by LBA as a major change on 30.11.2021.