



**Airworthiness
Directive
D-2005-275R1**

Luffahrt-Bundesamt
Airworthiness Directive Section
Hermann-Blenk-Str. 26
38108 Braunschweig
G E R M A N Y

This Airworthiness Directive supersedes the LBA-Airworthiness Directive D-2005-275 of 16 August 2005

Limbach

Effective Date: 21 September 2005

Affected:

Kind of aeronautical product: Engine
Manufacturer: Limbach Flugmotoren, Königswinter, Germany
Type: L 2400
Models affected: L 2400 EF, DF, ET and DT
Serial numbers affected: All
German Type Certificate No.: 4607

Subject:

Jamming of throttle lever due to broken throttle lever spring.

Reason:

The manufacturer informed us about several cases of broken throttle lever springs. This spring keeps the throttle flap open in the event of throttle cable failure in order to prevent sudden loss of engine power in flight. In a possible worst case the throttle lever can get stuck with the broken spring and prevent the operation of the throttle. With a blocked throttle lever it is not possible to change the set power output.

The actions specified by this airworthiness directive are intended to prevent throttle flap jamming which could result in reduced engine power during critical flight phases.

Action:

The following actions are required by this airworthiness directive:

1. Installation of improved throttle lever spring kit in compliance with Limbach Technical Bulletin No. 67.1 of 14 September 2005.
2. On all engines on which the throttle lever spring kit has already been installed in compliance with Limbach Technical Bulletin No. 67, initial issue, of 22 July 2005 this kit must be exchanged by the improved throttle lever spring kit introduced by the Limbach Technical Bulletin No. 67.1 of 14 September 2005.

All necessary actions must be performed in accordance with the instructions of the Limbach Technical Bulletin No. 67.1 of 14 September 2005.

Compliance:

All necessary actions must be performed within the next 10 hours time in service (TIS).

Technical publication of the manufacturer:

Limbach Technical Bulletin No. 67.1 of 14 September 2005. This Technical Bulletin becomes herewith part of this Airworthiness Directive and can be obtained from:

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EASA-Approval

Approved by the European Aviation Safety Agency (EASA) under approval number 2005-6250 on 20 September 2005.

Enquiries regarding this Airworthiness Directive should be referred to Mr. Martin Borsum, Airworthiness Directive Section at the above address, fax-no. +49-531-2355-725 or m.borsum@lba.de. Please note, that in case of any difficulty, reference should be made to the German issue!