



Airworthiness Directive

D-2005-145

Luffahrt-Bundesamt

Airworthiness Directive Section
Hermann-Blenk-Str. 26
38108 Braunschweig
GERMANY

Thielert Aircraft Engines

Effective Date: 30 April 2005

Affected:

Kind of aeronautical product: Aircraft Engine
Manufacturer: Thielert Aircraft Engines GmbH, Platanenstrasse, Lichtenstein, Germany
Type: TAE125
Models affected: TAE125-01
Serial Numbers affected: All
German Type Certificate No.: 4631

Subject:

Software update of the Full Authority Digital Engine Control Unit (FADEC) due to a software error.

Reason:

Due to a software error in the Full Authority Digital Engine Control Unit (FADEC) loss of power incidents after prolonged descent at idle power setting at low outside air temperatures have been determined during operation. The actions specified in this airworthiness directive are intended to prevent loss of power incidents after prolonged descent at idle power setting, which could result in an emergency landing.

Action:

The following actions are required by this airworthiness directive:

1. Unless the software update of the Full Authority Digital Engine Control Unit (FADEC) has been carried out, the power setting for prolonged descents above 5000ft must not fall below 30%.
2. Software update of the Full Authority Digital Engine Control Unit (FADEC) in compliance with the Operation and Maintenance Handbook No. OM 02-01.

All mentioned actions must be accomplished in accordance with the referenced manufacturer service bulletin.

Compliance:

For the necessary actions mentioned above the following compliance times have been laid down:

1. Immediately after the effective date of this airworthiness directive.
2. Within the next 100 flight hours or before 01 October 2005, whichever occurs first.

Technical publication of the manufacturer:

Thielert Service Bulletin No. TM TAE 125-0004, Revision 4, of 01 April 2005. This service bulletin becomes herewith part of this AD and may be obtained from:

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EASA-Approval

Approved by EASA under approval-No. 2005-2921 on 01 April 2005.