

Airworthiness Directive Schedule

Engines

Limbach L2000 and L2400 Series

29 July 2010

- Notes**
1. This AD schedule is applicable to Limbach L2000 engines manufactured under Luftfahrt-Bundesamt (LBA) Type Certificate Number 4597 and Limbach L2400 engines manufactured under Luftfahrt-Bundesamt (LBA) Type Certificate Number 4607.
 2. The date above indicates the amendment date of this schedule.
 3. New or amended ADs are shown with an asterisk *

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*** DCA/LIM/1 Starter – Inspection and Modification**

Applicability: Model L2000EA engines, all S/N fitted with an 0.9kW SJCE electric starter P/N 202.143.020.000.

Requirement: To prevent failure of the starter due to a broken shaft support case, accomplish the following:

Inspect the starter shaft support case. If a reinforced starter shaft support case is already fitted, no further AD action is required.

If a reinforced starter shaft support case is not fitted, modify the starter shaft support case before further flight.

Note: The requirements of this AD must be accomplished per the instructions in Limbach Technical Bulletin No.52, date 6 September 1996 or later approved revisions.

(LBA AD 97-003 refers)

Compliance: Before issue of a New Zealand Certificate of Airworthiness, or at the next maintenance inspection, or at the next ARA inspection, or by 29 August 2010, or within the next 50 hours TIS, whichever occurs sooner.

Effective Date: 29 July 2010

*** DCA/LIM/2 Carburettor Floats – Inspection and Modification**

Applicability: Model L1700, L2000 and L2400 series engines fitted with carburettor floats with inspection numbers from 2339 through to 2663.

Note: Carburettor floats installed and delivered by the manufacturer between 7 May 1996 and 30 April 1997 have a manufacturing defect which allows fuel ingress in the float.

Requirement: To prevent poor idle performance/cut-off or fuel leaks and disruption of fuel flow to the engine due to fuel ingress in the float, accomplish the following:

Review the aircraft records or inspect the carburettor and/or float and determine if an affected float is fitted to the aircraft.

If an affected float is found fitted, replace the float with a serviceable part per the instructions in Limbach Technical Bulletin No. 55, date 20 May 1997 or later approved revisions before further flight.

(LBA AD 97-237 refers)

Compliance: Before issue of a New Zealand Certificate of Airworthiness, or at the next maintenance inspection, or at the next ARA inspection, or by 29 August 2010, or within the next 50 hours TIS, whichever occurs sooner.

Effective Date: 29 July 2010

*** DCA/LIM/3 Throttle Lever – Modification**

Applicability: Model L 2400EF, L 2400DF, L 2400ET and L 2400DT engines, all S/N

Requirement: To prevent a jammed throttle flap which can result in reduced engine power during critical phases of flight, accomplish the following:

1. Install an improved throttle lever spring kit per the instructions in Limbach Technical Bulletin No. 67.1 dated 14 September 2005 or later approved revisions.
2. For engines already in compliance with Limbach Technical Bulletin No. 67 initial issue, dated 22 July 2005:

Install an improved throttle lever spring kit per the instructions in Technical Bulletin No. 67.1 dated 14 September 2005 or later approved revisions.

(LBA AD D-2005-275R1 refers)

Compliance: Before issue of a New Zealand Certificate of Airworthiness, or at the next maintenance inspection, or at the next ARA inspection, or by 29 August 2010, or within the next 50 hours TIS, whichever occurs sooner.

Effective Date: 29 July 2010