



Airworthiness Directive

97-237

Luftfahrt-Bundesamt
Airworthiness Directive Section
Lilienthalplatz 6
38108 Braunschweig
Federal Republic of Germany

Limbach

Effective Date: 14 August 1997

Affected:

Kind of aeronautical product:	Piston Engine for Motorglider
Manufacturer:	Limbach Flugmotoren, Königswinter, Germany
Type:	L 1700, L 2000 and L 2400
Models affected:	L 1700, L 2000 and L 2400 all series and variants
Serial numbers affected:	all, equipped with carburetor floats with inspection numbers from 2339 to 2663 (see note 1)
German Type Certificate No.:	4582, 4597 and 4607

Subject:

Leaking carburetor floats because of manufacturing errors.

Reason:

On carburetor floats installed and delivered by the manufacturer between 7 May 1996 and 30 April 1997, instances of leaking floats bodies were established. An investigation by the manufacturer revealed a manufacturing error of the floats produced in the mentioned period of time. The following action must be performed in order to prevent irregular engine operation and carburetor overflow.

Action:

1. Inspection of the carburetor if one of the affected floats is installed. This inspection must also be performed on carburetors where the presence of an affected float can not be impossible without any doubts.
2. Exchange of all affected carburetor floats with serviceable parts in accordance with Limbach Technical Bulletin No. 55, date of issue 20 May 1997.

Compliance:

For the actions listed, the following compliance times have been laid down:

1. Within the next 10 operating hours or within 1 month, whichever occurs first.
2. Before the next flight.

Technical publication of the manufacturer:

The Limbach Technical Bulletin No. 55, dated 20 May 1997, which becomes herewith part of this AD can be obtained from Messrs.:

Limbach Flugmotoren GmbH & Co. KG
Kotthausener Str. 5
53639 Königswinter
Germany
Tel. 0049 2244 9201-0
Fax 0049 2244 9201-30

Note 1: The inspection number is engraved into the metallic portion or the carburetor float.