



**Subject:** Revision of the Maintenance Manual

**Concerned:** Motorglider Model: TCDS No. 869  
G 103C TWIN III SL all S/N's

**Urgency:** not later than 31 March 1998

**Procedure:** A revision of the Maintenance Manual is required for the inclusion of corrections and additional information.

**Actions:** In the Maintenance Manual the revision 8 must be incorporated. The following pages must be replaced (Issue of the new pages: 8/ 20.11.97):

Page 01.A: Record of Revisions  
Page 0.4: List of effective Pages  
Page 11.3: Life Limit Items

**Material:** The exchange pages for the Maintenance Manual are attached to the Service Bulletin.

**Weight and Balance:** Not concerned

**Remarks:** **Action:**  
The exchange of the manual pages may be performed by a competent person and must be recorded in the aircraft log book by an authorized inspector.

**General:**  
If you have sold your motorglider in the meantime, would you kindly pass this information on to the new owner and forward his name and address and aircraft S/N to us.

Mattsies, 20 November 1997

Dipl. Ing. R. Rischer  
(Airworthiness Engineer  
Certification Staff)

**LBA approved:**

This Service Bulletin is originally written in German and approved by the German LBA under the date of *Nov. 27.97* and is signed by *Mr. Skov*. The translation has been accomplished to the best of our knowledge and judgement.



G 103 C TWIN III SL

MAINTENANCE MANUAL

Record of Revisions

Rev.No.	Page	Reference	Date	Signature
5	0.1A,0.2, 0.3,0.4, 0.5,2.7, 4.1,4.2, 4.3,5.1, 5.3,6.11, 6.12,7.7, 9.2,10.1, A1.3	TM 869-15	27.07.93	
6	0.1A,0.2, 0.3,0.4, 4.2,4.3, 6.7,6.8, 6.12,6.13, 6.14,9.1, 11.3,12.1	TM 869-18	07.03.96	
7	0.1A,0.2, 0.3,0.4, 4.2,4.3, 6.12,11.3	TM 869-18/2	08.07.96	
8	0.1A, 0.4 11.3	TM 869-19	20.11.97	

Section	Page	Date	Reference
7	7.1	Dec. 91	
	7.2	Dec. 91	
	7.3	Dec. 91	
	7.4	Dec. 91	
	7.5	Dec. 91	
	7.6	Dec. 91	
	7.7	27.07.93	TM 869-15
	7.8	Dec. 91	
8	8.1	Dec. 91	
	8.2	19.02.92	TM 869-1
	8.3	01.10.92	TM 869-7
	8.4	Dec. 91	
	8.5	Dec. 91	
9	9.1	07.03.96	TM 869-18
	9.2	27.07.93	TM 869-15
	9.3	Dec. 91	
	9.4	20.05.92	AM 869-1
	9.5	Dec. 91	
	9.6	20.05.92	AM 869-1
	9.7	22.02.93	TM 869-14
	9.8	Dec. 91	
	9.9	20.05.92	AM 869-1
	9.10	20.05.92	AM 869-1
10	10.1	27.07.93	TM 869-15
11	11.1	Dec. 91	
	11.2	Dec. 91	
	11.3	20.11.97	TM 869-19
12	12.1	07.03.96	TM 869-18

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### 11.3 Life Limit Items

For the following parts a time between overhaul (TBO) has been established:

- Powerplant up to S/N 3.339.897      300 hours
- Powerplant as of S/N 3.339.898      300 hours or 6 years
  
- Magnetos (ignition boxes)              300 hours
  
- Variable Pitch Propeller              400 hours or 60 months  
  (see Service Bulletin MT-Propeller No. 1N)
  
- Fixed pitch Propeller                  300 hours  
  (see Service Bulletin Technoflug Leichtflugzeugbau GmbH No. P1)

#### - Tow Hooks

The TOST tow hooks (installed as standard equipment) are limited to 48 months of operation (calculated from the date of installation in the aircraft) or a maximum of 2000 launches whichever comes first. The hooks must then be inspected.

#### - Oxygen System

The TBO of installed oxygen systems can be seen from the corresponding acceptance report.

In addition, national regulations for inspections of the oxygen bottles must be observed, if applicable.

The following parts are subject to life limits:

- Fuel hoses
  - all types                              5 years
  
- Fuel filter with polyamid strainer  
  Fa. Künzer Part No. RT3              25 hours
  
- Air filter                              50 hours
  
- Toothed belt                          300 hours or 6 years
  
- Safety Harnesses
  - AUTOFLUG                              10 years
  - GADRINGER                              12 years
  
- Plate with limit switches 4VE      300 hours