



## THE GLIDING FEDERATION OF AUSTRALIA

**GFA AD 552**  
(ISSUE 1)

### GFA AIRWORTHINESS DIRECTIVE

**TYPE AFFECTED:** DG-800B with Solo engine, up to and including serial number 8-218.

**SUBJECT:** Replacement of muffler lifting cable and spring.

**BACKGROUND:** Based on operational experience, the spring in the muffler lifting cable may have a limited life.

**DOCUMENTATION:** DG-Flugzeugbau GmbH Technical Note No 873/22, drawing No 8M268 and installation plan 8EP235 form part of this AD.


**ACTION REQUIRED:** Carry out instructions in DG Technical Note No 873/22.

**WEIGHT AND BALANCE:** Not affected.

**IMPLEMENTATION:** As per TN 873/22.

**COMPLIANCE:** The requirements of this GFA Airworthiness Directive are mandatory. This Directive is issued pursuant to the Rules and Regulations of the Gliding Federation of Australia.

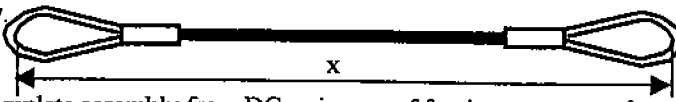
SIGNED:

*for*   
CHIEF TECHNICAL OFFICER AIRWORTHINESS



For and on behalf of:

THE GLIDING FEDERATION  
OF AUSTRALIA

- Subject : muffler lifting cable and rubber return cord
- Effectivity : DG-800B with Solo engine
- Accomplishment : none, when exchanging the existing parts  
standard from ser.no. 8-219 on
- Reason : Operational experience has shown that the spring in the muffler lifting cable may  
have a limited life time.
- Instructions : Applicable drawings 8M268 and installation plan 8EP235
1. Execution in a certified repair station which is in possession of the correct  
Nicopress sleeves and the proper Nicopress tool:
    - a) Remove the old cable and spring.
    - b) Bend open the thimble (3mm DIN6899A) and slip it into the end of the  
spring S37, bend back. Insert a cable 3.2mm LN9374 into the groove of the  
thimble and clamp this end of the cable with a 28-3-M Nicopress sleeve.
    - c) clamp the other end of the cable the same way to the exact length of the old  
cable (length of cable incl. spring must be identical).
    - d) Install a thimble HC2 and a steel cable 1.6LN9374 to the muffler lifting  
cable and clamp with Nicopress sleeve 28-1-C, clamp the other end  
accordingly (see installation plan 8EP235).
    - e) Install spring and cable.
    - f) Install the return rubber chord according to installation plan 8EP235.
  2. When installing yourself
    - a) Remove the old cable and spring.
    - b) determine the exact length of the cable and enter the value into the form  
attached below.
- 
- c) Order the complete assembly from DG or in case of foreign customers from  
the respective DG-representative.
    - d) Install spring with cable and rubber return chord.
  3. In both cases: Check correct coupling of muffler to manifold during extension  
according to Maintenance manual section 3.5.1 item 13.
- Material : drawing 8M268  
installation plan 8EP235  
muffler lifting cable with spring S37 and rubber return chord
- Weight and balance : influence negligible
- Remarks : Instruction No. 1 is to be executed by the manufacturer or by a licensed workshop.  
Instructions 2 and 3 may be executed by the owner himself. The instructions are to  
be inspected and entered in the aircraft logs by a licensed inspector with the next  
annual inspection at latest.

Bruchsal, date:  
Dec. 19.2000

LBA – approved:

Author:  
Dipl. Ing. Wilhelm Dirks

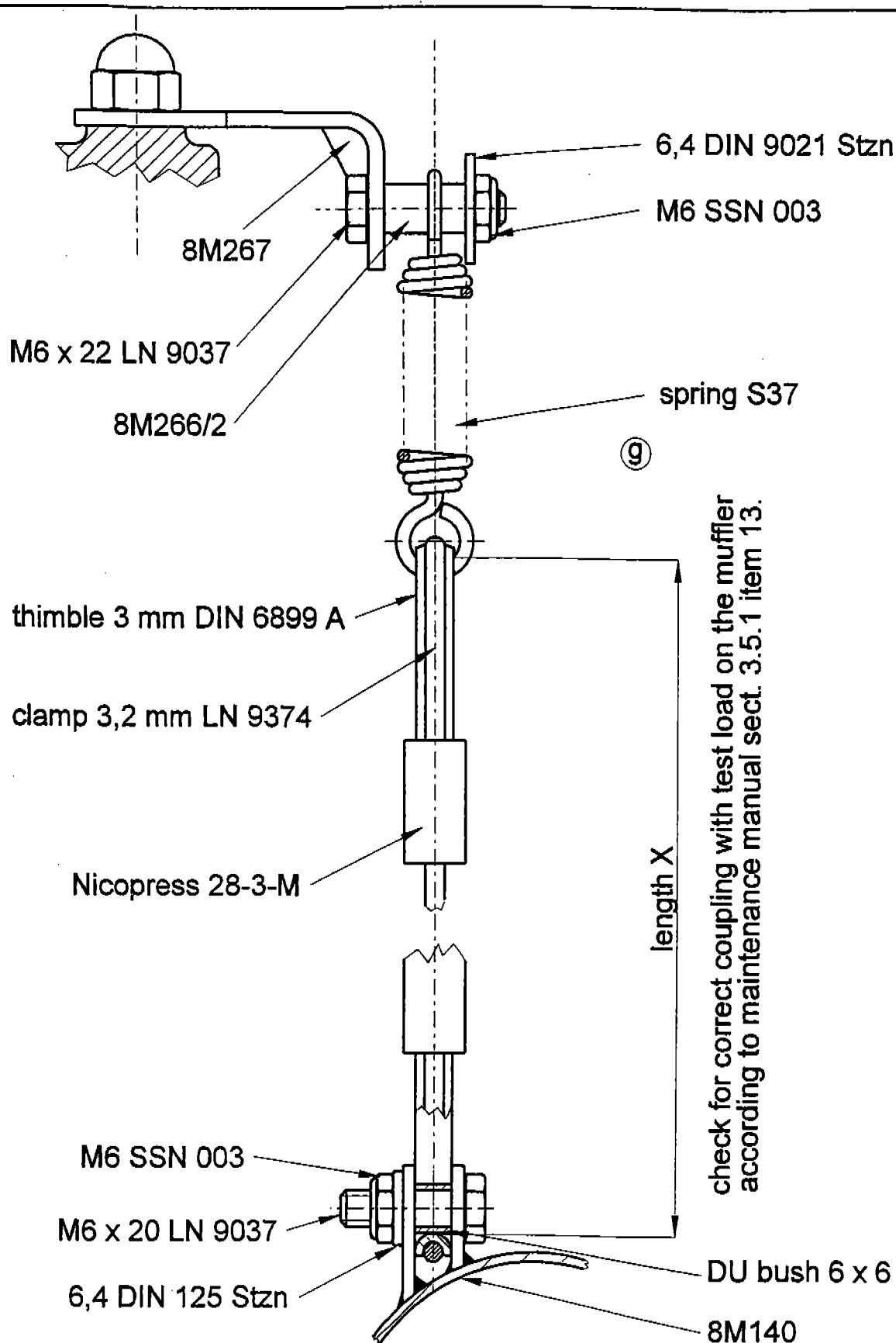
*Wilhelm Dirks*


Type certification  
inspector:  
Dipl. Ing. Swen Lehner

*Swen Lehner*

The German original of this TN has been approved by  
the LBA under the date of 07.02.2001 and is signed by *Mr. Blume*  
*Mr. Fendt*. The translation into English has been done  
by best knowledge and judgement.





Toleranzen nach Arbeitsanweisung BA 1					Tag	Name		DG
Schweißen nach Arbeitsanweisung SA 1					Gez.	15.11.00 Jachowski		Flugzeugbau GmbH
					Gepr.			76646 Bruchsal 4
					Norm.			Im Schollengarten 20
					Maßstab	muffler lifting cable installation		
					1:1			
					:			
g	Feder S37	ab 8-219	17.11.00	Jach	Maße ohne Toleranz- ang. nach:	8M268		
f	neue Zeichnung	ab 8-219	17.11.00	Jach				
Ausg.	Änderung	AM	Tag	Name				