

Subject: Exchange of propeller switch 25 KB

Concerned: G 103 C TWIN III SL, all S/N's

Urgency: within the next 10 engine running hours,
but not later than 30 April 1993

Vorgang: A propeller switch 25 KB, type BALLUFF, is mounted on the engine (see illustration below) which initiates retraction of the engine unit. After approx. 150 engine running hours, chafing through of the insulation of both cables inside this switch, caused by engine vibrations, has been detected. In this condition, the engine retracts immediately, if the ignition is switched to "OFF".

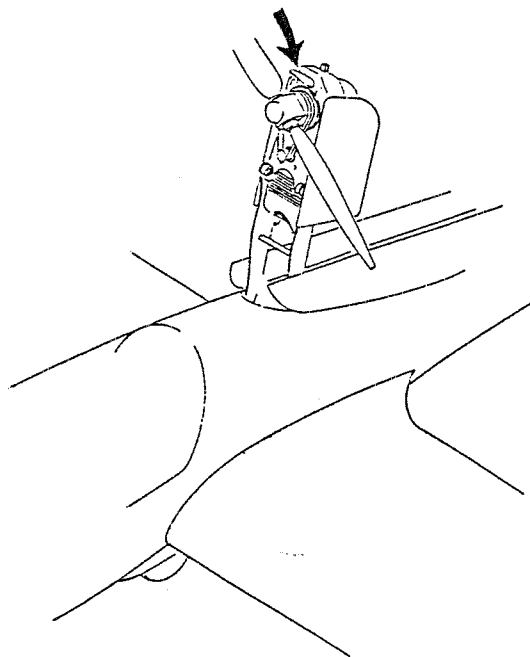
Note: The retraction can be prevented by one of the following procedures:

1. Switch on Ignition again: engine stops in the last position

or

2. Pull T-grip "Powerplant extension": engine extends fully, subsequently switch off "Engine Electrics".

In any case land, with the engine extended, as soon as possible, at the nearest airfield.



Anerkannt durch
Luftfahrt-Bundesamt

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BEARBEITET / PREPARED BY
R. Vodermeier

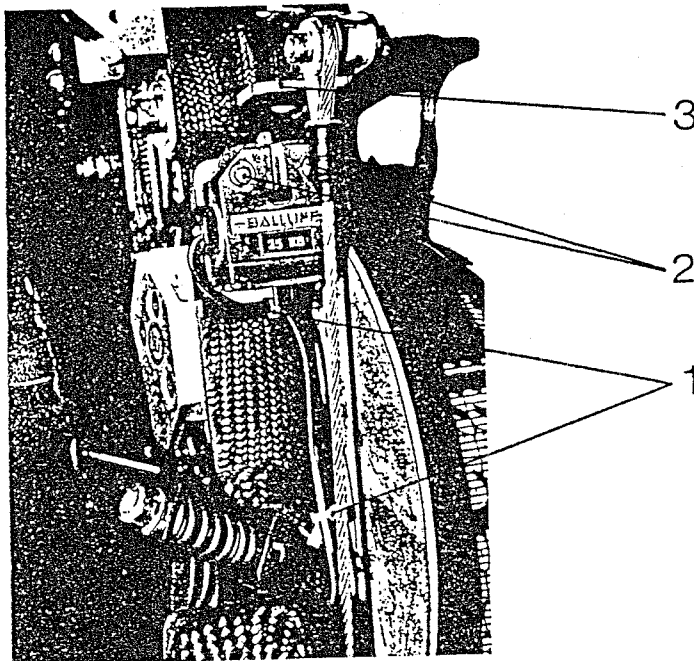
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Actions:

The propeller switch 25 KB must be exchanged as follows:

1. Extend engine until switch 25 KB, mounted on the R/H upper gear support, is accessible. Switch Ignition to "OFF" and "Engine electrics" off.
2. Remove L/H and R/H engine fairings.
3. Remove all cable clamps (1) down to the plug.
4. Disconnect plug.
5. Turn the propeller from the vertical position to release the switch.
6. Undo the 2 switch mounting screws (2) and remove switch.



7. Install modified switch (marked 25-KB-13) using the 2 screws and new lock nuts.
8. Adjust the position of the switch, so that it is actuated by the stop plate (3) with the propeller in the vertical position, tighten mounting screws.
Warning: The stop plate must not have contact with the switch housing to prevent damage to the switch!
9. Check the switch adjustment again, when turning the propeller by hand.
10. Connect plug and fit the cable with new cable clamps.
11. Perform a function test as follows:
 - switch on "Engine electrics"
 - retract the engine electrically and
 - turn the propeller out of the vertical position and check that retraction stops immediately

Note: If this is not the case, the switch adjustment must be repeated!

 - turn propeller back to vertical position, the retraction will continue after a time delay (approx. 3 seconds).
12. Perform a function test of the propeller brake and the automatic retraction with the running engine.
13. Install L/H and R/H engine fairings.

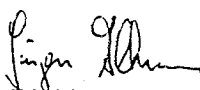
- Material:** The modified switch, the cable clamps and the lock nuts are supplied with the Service Bulletin.
- Weight and Balance:** not concerned
- Remarks:**
1. The exchange can be performed by a competent person or an authorized aviation workshop and has to be certified in the logbook by an authorized inspector.
 2. Pay attention that during further exchanges only modified, marked switches (25 KB-13) are installed.
 3. 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, 08 January 1993

LBA approved:

This Service Bulletin is originally written in German and approved by the German LBA on the 03 February 1993 and is signed by Mr. D. Walter.

The translation has been accomplished to the best of our knowledge and judgement. In the case of doubt the German original is authoritative.



Dipl. Ing. J. Altmann
(Airworthiness engineer
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