



## Airworthiness Directive

**D-2005-239**

## Luffahrt-Bundesamt

Airworthiness Directive Section  
Hermann-Blenk-Str. 26  
38108 Braunschweig  
G E R M A N Y

### SCHEMPP-HIRTH

Effective Date: 22 July 2005

#### **Affected:**

Kind of aeronautical product: Sailplane  
Manufacturer: Schempp-Hirth Flugzeugbau GmbH, Kirchheim/Teck, Germany  
Type: Nimbus-2 and Mini Nimbus HS 7  
Models affected: Sailplane (TC-No. 286):  
Nimbus-2C, Serial Nos: 166, 177 through 181 and 185 through 236  
Sailplanes (TC-No. 328):  
Mini Nimbus-HS7, all serial numbers  
Mini Nimbus B, all serial numbers  
Mini Nimbus C, all serial numbers  
Serial Numbers affected: see under rubric "Models affected"  
German Type Certificate No.: 286 and 328

#### **Subject:**

Failure of flap drive mechanism in the fuselage due to cracking of a weld joint.

#### **Reason:**

During the daily check after assembling a Mini Nimbus C a failure in the flap actuating circuit was found. An investigation showed that the lever at the torsional drive in the fuselage failed at the weld joint. Because of the equal design of the torsional drive the sailplane Nimbus-2C is affected too.  
The actions specified by this Airworthiness Directive are intended to prevent a failure in the flap actuating circuit which could result in reduced controllability of the sailplane.

#### **Action:**

In the scope of this airworthiness directive a reinforcement of the flap drive has to be accomplished in accordance with the following drawings

Nimbus-2C, title „Reinforcement flap drive”  
drawing no. 10.065/3

Mini Nimbus HS7, Mini Nimbus B and Mini Nimbus C, title „Reinforcement flap drive”  
drawing no. HS7 - 10.083/1

and in the accordance with the appendix of the referenced technical note of the manufacturer.  
All necessary actions must be performed on the basis of the referenced technical note of the manufacturer.

#### **Compliance:**

Alle necessary actions must be accomplished at the next annual inspection but not later than 31 December 2005.

#### **Technical publication of the manufacturer:**

SCHEMPP-HIRTH Technical Note (TN) No. 286-35 / No. 328-13 of 24 June 2005. This service bulletin becomes herewith part of this AD and may be obtained from:

Schempp-Hirth  
Flugzeugbau GmbH  
Postfach 14 43  
D- 73222 Kirchheim / Teck  
G E R M A N Y  
Phone: ++ 49 7021 7298-0, Fax: ++ 49 7021 7298-199  
[www.schempp-hirth.com](http://www.schempp-hirth.com), [info@schempp-hirth.com](mailto:info@schempp-hirth.com)

#### **EASA-Approval**

Approved by the European Aviation Safety Agency (EASA) under approval number 2005-6054 on 01 July 2005

Enquiries regarding this Airworthiness Directive should be referred to Mr. Martin Borsum, Airworthiness Directive Section at the above address, fax-no. 0049 531/2355-725. Please note, that in case of any difficulty, reference should be made to the German issue!