



**Airworthiness  
Directive  
D-2005-228**

**Luftfahrt-Bundesamt**  
Airworthiness Directive Section  
Hermann-Blenk-Str. 26  
38108 Braunschweig  
Federal Republic of Germany

**Effective Date: 24. June 2005**

**Stemme**

**Affected:**

Kind of aeronautical product: Powered Sailplane  
Manufacturer: Stemme, Strausberg, Germany  
Type: Stemme S 10  
Models affected: S10-VT  
Serial numbers affected: S/N: 11-089 up to 11-096 and respectively all S/N's where the pressure lines are replaced during the period July 27, 2004 and June 22, 2005 and the material was provided by Stemme AG  
German Type Certificate No.: 846

**Subject:**

Pressure lines between airbox and carburetors and differential fuel pressure sensor

**Reason:**

Ripped pressure lines between Airbox-Carburetor- Differential fuel pressure sensor were found during a requested maintenance event after engine trouble in the range between maximum continuous power and take off power. The cracks can be a result of non complete temperature resistance. This type of pressure line was installed since July 27, 2004. It was used for serial production and for spare parts.

**Action / Compliance:**

**1. Before the next flight:**

Check all installed pressure lines with dimension 4x7 mm (0.15x0.27 in.) for non existing porosity or cracks in particular areas of T-split parts, clamps or connections. The free areas between the white plastic covers must be also checked.

If cracks or porosity has been found replacement of all installed pressure lines is necessary.

Installation of original ROTAX-parts P/N: 860 660 or pressure line HZ-KLS041 supplied by Stemme AG according to the Maintenance Manual ROTAX 914F.

**2. Within the next 20 engine hours or the next maintenance event but not later than December 31, 2005:**

Replacement of all installed pressure lines with dimension 4x7mm (0.15x0.27 in.)

Installation of original ROTAX-parts P/N: 860 660 or pressure line HZ-KLS041 supplied by Stemme AG according to the Maintenance Manual ROTAX 914F.

The Actions must be done in accordance with the instructions given in the mentioned Service Bulletin.

**Technical publication of the manufacturer:**

STEMME Service Bulletin No. A31-10-073 Amendment Index 01.a dated 22. June 2005 which becomes herewith part of this AD and may be obtained from Messrs.:

STEMME AG  
Flugplatzstraße F 2, Nr. 7  
D-15344 Strausberg  
Federal Republic of Germany  
Tel.: + 49.33 41 / 36 12 - 0 Fax: + 49.33 41 / 36 12 - 30  
Mail: P.Ellwanger@stemme.de

Enquiries regarding this Airworthiness Directive should be referred to Mr.Olaf Schneider, Airworthiness Directive Section at the above address,  
fax-no. 0049 531/2355-720. Please note, that in case of any difficulty, reference should be made to the German issue!

**Holders of affected aircraft registered in Germany have to observe the following:**

Action has to be accomplished by the owner of the aircraft or an approved service station and to be checked and entered in the log book by a licensed inspector.

As a result of the a.m. deficiencies, the airworthiness of the aircraft is affected to such an extent that after the expiry of the a.m. dates the aircraft may be operated only after proper accomplishment of the prescribed actions. In the interest of aviation safety outweighing the interest of the receiver in a postponement of the prescribed actions, the immediate compliance with this AD is to be directed.

An appeal to this notice may be raised within a period of one month following notification. Appeals are to be raised with the Luftfahrt-Bundesamt, Hermann-Blenk-Str. 26, 38108 Braunschweig, in writing or for the purpose of drawing up minutes.

**Note:**

The Luftfahrt-Bundesamt has issued this Emergency Airworthiness Directive in accordance with Article 10.1 of European Union Regulation 1592/2002.