



**Airworthiness  
Directive  
1998-322/2**

**Luftfahrt-Bundesamt**  
Airworthiness Directive Section  
Lilienthalplatz 6  
38108 Braunschweig  
Federal Republic of Germany

**Hoffmann Propeller**

**Effective Date: 06 August 1998**

**Affected:**

Kind of aeronautical product:	Propeller
Manufacturer:	Hoffmann Propeller, Rosenheim, Germany
Type:	HO and HO 4
Models affected:	HO 27() and HO 4/27()
Serial numbers affected:	all
German Type Certificate No.:	32.110/1 and 32.110/11

**Subject:**

Strength problems on propeller mounting bolts.

**Reason:**

In the scope of an accident investigation of a propeller of the above type design strength problems have been established on propeller mounting bolts. The established strength values of the propeller mounting bolts were below the design specification of the manufacturer.

Lower strength values could lead to a premature fracture of the propeller mounting bolts and subsequent separation of the propeller in flight.

**Action:**

The following actions are required by this Airworthiness Directive:

1. Torque check of all propeller mounting bolts according to the owner's manual E0110.74.
2. Exchange of all installed propeller mounting bolts P/N FP20-147.
3. Inspection of the propeller and propeller flange surface for fretting and other damages according to the owner's manual E0110.74..
4. Exchange of parts which have damages beyond of allowable limits.
5. Retirement of all propeller mounting bolts P/N FP20-147 held on stock as spare parts.

All necessary actions must be performed on the basis of the mentioned Service Bulletin of the manufacturer.

**Compliance:**

The mentioned actions must be carried out within the following compliance times:

1. Before the next flight.
2. Not later than 01 April 1999 (see note).
3. After the next removal of the propeller.
4. Before the next flight after establishment of such damages.
5. Immediately after publication of this Airworthiness Directive.

Note: All affected propeller mounting bolts must be removed from service before the next flight if one or more bolts fail to hold the min. required torque of 27 Nm (Newtonmeters). The reinstallation (reuse) of disassembled propeller mounting bolts is not permitted.

**Technical publication of the manufacturer:**

Hoffmann Propeller Service Bulletin SB 61-11-03 E10 Revision A dated 28 July 1998 which becomes herewith part of this AD can be obtained from:

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Küpfertingstrasse 9  
83022 Rosenheim  
G E R M A N Y  
Tel: ++49 (0) 8031-1878-0  
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