

## SERVICE INFORMATION NO. SI 20-068

**NOTE:** SI's are used only:  
1) To distribute information from DAI to our customers.  
2) To distribute applicable information/documents from our suppliers to our customers with additional information.  
Typically there is no revision service for SI's. Each new information or change of that will be sent along with a new SI.

### I. TECHNICAL DETAILS

#### **1.1 Airplanes affected:**

All DV 20 equipped with a Hoffmann HO-V352F Propeller

#### **1.2 Subject:**

EASA Emergency Airworthiness Directive No. 2013-0273-E  
Hoffman Propeller Service Bulletin 61-00-03 E 29 D  
ATA Code: 61-00

#### **1.3 Reason:**

EASA has issued Emergency Airworthiness Directive No. 2013-0273-E mandating an inspection of locknuts for the propeller installation at certain propeller serial numbers. EASA EAD 2013-0273-E refers to Hoffmann Propeller Service Bulletin 61-00-03 E 29 which was revised to Revision D dated 14-Nov-2013.


#### **1.4 Information:**

For detailed technical information refer to EASA EAD 2013-0273-E and Hoffman Propeller Service Bulletin 61-00-03 E 29 D which are applicable without any further additions or restrictions.

### II. OTHERS

EASA Emergency Airworthiness Directive No. 2013-0273-E and Hoffmann Propeller Service Bulletin No. 61-00-03 E 29 D are attached to this Service Information.

In case of doubt contact EASA or Hoffmann Propeller GmbH & Co. KG

<b>EASA</b>	<b>EMERGENCY AIRWORTHINESS DIRECTIVE</b>	
	<p><b>AD No.: 2013-0273-E</b></p> <p><b>Date: 15 November 2013</b></p> <p>Note: This Emergency Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) No 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.</p>	
<p>This AD is issued in accordance with EC 1702/2003, Part 21A.3B. In accordance with EC 2042/2003 Annex I, Part M.A.301, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that AD, unless otherwise specified by the Agency [EC 2042/2003 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [EC 216/2008, Article 14(4) exemption].</p>		
<p><b>Design Approval Holder's Name:</b> Hoffmann Propeller GmbH &amp; Co.KG</p>		<p><b>Type/Model designation(s):</b> HO-V352F propellers</p>
TCDS Number:	LBA 32.130/088	
Foreign AD:	Not applicable	
Supersedure:	None	
<b>ATA 61</b>		
<b>Propellers – Locknuts – Identification / Replacement</b>		
Manufacturer(s):	Hoffmann Propeller GmbH & Co. KG	
Applicability:	<p>Model HO-V352F propeller, all serial numbers.</p> <p>These propellers are known to be installed on, but not limited to, the following aeroplanes:</p> <p><b>Aquila</b> AT01, <b>Aircraft Philipp</b> (formerly Alpa-Werke; Nitsche) AVO 68 series Samburo, <b>Cessna</b> 150 and A150 series and (Reims) F150 and FA150 series; <b>Diamond</b> (formerly HOAC) H 36 Dimona, HK 36 series Super Dimona, DV 20 Katana and DA20-A1 Katana; <b>Diamond</b> (Canada) DA40, <b>S.C. Constructii Aeronautice</b> S.A. IAR 46 and IS-28, <b>Scheibe</b> SF 25C; <b>Tecnam</b> P 92-J, P 92-JS, P2002-JR, P2002-JS and P2006T.</p>	
Reason:	<p>Hoffmann Propellers observed locknuts for the propeller installation on which the stop did not work as intended. The affected parts were from a specific batch no. 10720816 of National Aerospace Standard 1291 (type NAS1291-8). The results of the technical investigations concluded that those affected nuts were installed on a limited number of propeller serial number (S/N).</p> <p>The locknuts are part of the propeller installation kit on the engine.</p> <p>This condition, if not detected and corrected, could lead to unexpected propeller vibrations and possible detaching of the propeller from the engine structure, eventually resulting in damage to the aeroplane and/or injury to persons on the ground.</p> <p>For the reason describe above, this AD requires replacement of all affected locknuts with serviceable parts. This AD also provides conditions for the</p>	

	installation of an affected locknut on a propeller.
Effective Date:	19 November 2013
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <p>(1) For propellers having S/Ns: H079, H190, H251, H298, H336, H420, H448, H476, H489, H657, H675, H825, H907, H967, H981, H1035, H1075, H1099, H1103 and H1165, within 5 flight hours after the effective date of this AD, replace each locknut with a serviceable part in accordance with the instructions of Hoffman Propeller GmbH Service Bulletin (SB) 61-00-03 E 29.</p> <p>Note: For the purpose of this AD, a serviceable part represents a locknut for which the resistance of each replacement stop-nut during installation must have a running torque of minimum of 2 Newton-meter (Nm). The installation has to be done in accordance with the instructions of the Hoffmann Propeller Operation and Maintenance Manual E540.</p> <p>(2) From the effective date of this AD, installation on a propeller of a locknut type NAS1291-8 is allowed provided it is a serviceable part as defined in the Note of this AD.</p>
Ref. Publications:	<p>Hoffmann Propeller SB 61-00-03 E 29 Initial Issue dated 08 November 2013. Operation and Maintenance Manual E540 dated Oct. 2002.</p> <p>The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.</p>
Remarks:	<ol style="list-style-type: none"> <li>1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.</li> <li>2. The results of the safety assessment have indicated the need for immediate publication and notification, without the full public consultation process.</li> <li>3. Enquiries regarding this AD should be referred to the Safety Information Section, Executive Directorate, EASA. E-mail: <a href="mailto:ADs@easa.europa.eu">ADs@easa.europa.eu</a>.</li> <li>4. For any question concerning the technical content of the requirements in this AD, please contact: Hoffmann Propeller GmbH &amp; Co. KG, Sales and Service; K�pferlingstra�e 9, 83022 Rosenheim, Germany, Tel.: +49 (0) 8031-1878-0, Fax: +49 (0) 8031-1878-78, Email: <a href="mailto:info@hoffmann-prop.com">info@hoffmann-prop.com</a>.</li> </ol>

**HOFFMANN PROPELLER  
 Service Bulletin 61 – 00 – 03 E 29 D**

Date: 14.11.2013

Supersedes SB 29 C dated: 12.11.2013

**1.1 Effectivity**

Propellers affected: Hoffmann Propeller HO-V352F with the following Serial numbers:  
 H079; H190; H251; H298; H336; H420; H448; H476; H489; H657; H675; H825;  
 H907; H967; H981; H1035; H1075; H1099; H1103; H1165

Compliance: Before next flight.

**1.2 Reason**

Locknuts for the propeller installation were found, with the stop did not work sufficient.

**1.3 Description**

At the same time when the SIB 2012-06R2 had been published by EASA it had been noticed that a current batch (no. 10720816) of NAS1291-8 locknuts has additional difficulties. The stop of the locknut does not work sufficient. The recommended resistance at free screwing is not reached. The values are too low. This had been discovered because the nuts could be screwed manually which normally is not possible. The locknuts are intended for the installation of the Propeller on the aircraft. For this the nuts are not used and finally installed when the propeller is delivered. The nuts are part of the installation kit. The suspected locknuts had been delivered with the above listed propellers.

**1.4 Approval**

The technical content of this document is approved under the authority of DOA Nr. EASA.21J.083.

**1.5 Man Power**

Approximately ½ man hour to change the locknuts.  
 Release to Service might be necessary.

**1.6 Material – Cost and Availability**



6 pieces Locknuts NAS 1291-8.  
 The Locknuts are available from Hoffmann Propeller.

**1.7 Tooling**

Spanner 9/16"; torque-wrench 9/16"

**1.8 Weight and Balance**

N/A

Edition D Dated 14.11.2013	Prepared by:  Markus Zimmermann 14.11.2013	Approved: Office of Airworthiness  Bettina Wild-Gruber 14.11.2013		<b>SB 61-00-03 E 29 D.</b>
Supersedes Edition C Dated 1.11.2013			Form: EB-FO 010 F	<b>Page 1 of 2</b>

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email: [info@hoffmann-prop.com](mailto:info@hoffmann-prop.com)Internet [www.hoffmann-prop.com](http://www.hoffmann-prop.com)**1.9 Electrical Load Data**

N/A

**1.10 Software Accomplishment Summary**

N/A

**1.11 References**

N/A

**1.12 Other Publications**

Hoffmann Operation and Maintenance Manual E540

**1.13 Family Tree Chart of Modification Relationship**

N/A

**1.14 Interchangeability or Intermixability of Parts**

N/A

**2. Accomplishment Instructions**

Replace all the locknuts NAS1291-8 with serviceable locknuts.


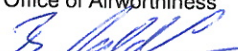
An Installation of the new Locknuts by hand should not be possible.

Each nut has to be replaced. The resistance of every new locknut during installation must have a running torque of min. 2Nm.

Nuts with lower values are not serviceable and have to be scrapped.

The installation has to be done in accordance with the instructions of the Hoffmann Propeller Operation and Maintenance Manual E540.

For applying the torque according manual E540, it has to be noted that the measured running torque has to be added to required torque value written in the manual.

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