Airworthiness Directive Schedule

Propellers & Propeller Governors

Hoffmann Series

29 April 2021

Notes:

1. This AD schedule is applicable to Hoffmann propellers.
2. The European Union Aviation Safety Agency (EASA) is the National Airworthiness Authority (NAA) responsible for the issue of State of Design Airworthiness Directives (ADs) for these propellers. State of Design ADs applicable to these propellers can be obtained directly from the EASA web site at http://ad.easa.europa.eu/
3. The date above indicates the amendment date of this schedule.
4. New or amended ADs are shown with an asterisk *

Contents

DCA/HOF/1 Cancelled - EASA AD 2017-0220 refers

Effective Date: 30 November 2017

DCA/HOF/2 Propeller Mounting Bolts - Replacement

Applicability: Model HO27( ) and HO4/27 series propellers fitted with mounting bolts P/N FP20-147 ( ) ( ) ( ).

These propellers are installed on, but not limited to, Textron Lycoming O-360 series,O-540 series and Teledyne Continental Motors O-470 series engines.

Note: The brackets that appear in the propeller models indicate the presence or absence of additional letter(s) which vary the basic propeller hub model designation. This AD is applicable regardless of whether these letters are present or absent on the propeller hub model designation.

Requirement: To prevent propeller mounting bolt failure, which could result in propeller separation, accomplish the following:-

Remove from service propeller mounting bolts, P/N FP20-147 ( )( )( ), and install improved propeller mounting bolts, P/N FP20-147 ( )( )( )V. Make sure the new bolts have the "V" marking at the end of the P/N. Torque all six propeller mounting bolts to 24.3 to 25.8 foot-pounds or 33 to 35 Newton-meters.

Note: Further information on propeller mounting bolt installation and torquing procedures can be found in Hoffmann Owner Manuals E0110.74 or 0207.71, and on the sticker on the propeller.

After installation of new mounting bolts, operate the aircraft for no more than 2 hours TIS, then check torque and retorque all six propeller mounting bolts, as required, to 24.3 to 25.8 foot-pounds or 33 to 35 Newton-meters.

(LBA AD 98-322/2 refers)

Compliance: Within next 10 hours TIS, or within next 7 days whichever occurs first.

Effective Date: 30 March 2000

DCA/HOF/3 Pitch Control Rods – Inspection

Applicability: All model HO-V62R/L160BT propellers installed on Diamond Aircraft H36 Dimona in combination with the Limbach L2400() or Sauer SS2100() engines.

Requirement: To prevent the breakage of pitch control rods due to fatigue problems which could result in loss of propeller controllability during critical flight phases, accomplish the following:

1. Inspect the pitch control rods to detect cracks, leakage and ruptures per Hoffmann Propeller Service Bulletin 61-11-03 E 16.

Note 1: This inspection is no longer required when the modification version ‘P’ has been incorporated.

2. Modify the propeller hub and pitch control rods to modification version ‘P’.

Note 2: This modification is to be performed by a manufacturer approved service centre.

(LBA AD D-2005-370 refers)

Compliance: 1. Once per day, at the first daily preflight inspection.

2. At the next disassembly of the propeller or by 31 December 2005, whichever is the sooner.

Effective Date: 27 October 2005

The State of Design ADs listed below are available directly from the National Airworthiness Authority (NAA) websites. Links to NAA websites are available on the CAA website at http://www.caa.govt.nz/airworthiness-directives/states-of-design/
If additional NZ ADs need to be issued when an unsafe condition is found to exist in an aircraft or aeronautical product in NZ, they will be added to the list below.

2013-0273-E Propeller Locknuts – Inspection

Applicability: Model HO-V352F propellers, all S/N.

These propellers are known to be installed on, but not limited to the following aircraft:

Aquila AT01, Aircraft Philipp (formerly Alpla-Werke; Nitsche) AVO 68 series Samburo, Cessna 150 and A150 series and (Reims) F150 and FA150 series; Diamond (formerly HOAC) H 36 Dimona, HK 36 series Super Dimona, DV 20 Katana and DA20-A1 Katana; Diamond (Canada) DA40, S.C. Constructii Aeronautice S.A. IAR 46 and IS-28, Scheibe SF 25C; Tecnam P 92-J, P 92-JS, P2002-JR, P2002-JS and P2006T.

Effective Date: 19 November 2013

2017-0220 Propeller Blades – Inspection

Applicability: Model HO-V 62 propellers with R/L 160T blades and fitted to a Limbach L 2000 (any model) engine.

Effective Date: 30 November 2017

*** 2020-0226R1 Propeller Hub – Inspection**

Applicability: Model HO-V 72 propellers, all S/N.

These propellers are known to be installed on, but not limited to, Slingsby T67 “Firefly” aeroplanes.

Effective Date: EASA AD 2020-0226-E – 29 October 2020
EASA AD 2020-0226R1 – 29 April 2021