

# Airworthiness Directive Schedule

## Propellers & Propeller Governors

### Hoffmann Series

30 November 2017

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- Notes:**
1. This AD schedule is applicable to Hoffmann propellers.
  2. The European 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 \*

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<b>From 1 October 2012 the Civil Aviation Authority of New Zealand (CAA) will no longer rewrite the text of State of Design ADs. Applicable State of Design ADs will be listed below with linked directly to them. You can also obtain them directly from the National Airworthiness Authority (NAA) web sites. Links to the NAA web sites are available on the CAA web site at <a href="http://www.caa.govt.nz/airworthiness-directives/states-of-design/">http://www.caa.govt.nz/airworthiness-directives/states-of-design/</a> 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.....</b>		
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**\* 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

From 1 October 2012 the Civil Aviation Authority of New Zealand (CAA) will no longer rewrite the text of State of Design ADs. Applicable State of Design ADs will be listed below with linked directly to them. You can also obtain them directly from the National Airworthiness Authority (NAA) web sites. Links to the NAA web sites are available on the CAA web site 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 Alpa-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