

**FLANGE BUSHINGS INSPECTION of the KW-30 PROPELLER INSTALLED in  
ROTAX 915 ENGINE**

This Service Bulletin is issued in line with the procedures subject to EASA AP250 Authorization.

Compliance Category	<b>MANDATORY</b> - failure to comply result in a significant reduction of flight safety, injury or death
	<b>RECOMMENDED</b> - failure to comply may result in reduced safety margin, injury and/or equipment damage
	<b>OPTIONAL</b> - improves operating behavior, reliability and/or maintainability

Type / Model: **Hydraulically variable pitch propeller  
KW-30-A-H-3-0-0-F**

Type certificate holder: **Aleš KŘEMEN Vodolská 4, 250 70 Odolena Voda, Czech Republic**  
Type certificate number **EASA.P.177**

Manufacturer: **Woodcomp Propellers s.r.o.**

Affected Serial Numbers	<b>05-06-1024</b>	<b>19-04-018</b>	<b>19-08-1037</b>	<b>19-10-1043</b>	<b>20-01-049</b>
	<b>05-06-1025</b>	<b>19-04-019</b>	<b>19-08-1038</b>	<b>19-11-1044</b>	<b>20-01-050</b>
	<b>16-05-022</b>	<b>19-04-1020</b>	<b>19-09-1039</b>	<b>19-12-1045</b>	<b>20-01-051</b>
	<b>16-05-023</b>	<b>19-07-1033</b>	<b>19-09-1040</b>	<b>19-12-1046</b>	<b>20-02-1052</b>
	<b>18-02-087</b>	<b>19-07-1034</b>	<b>19-09-1041</b>	<b>19-12-1047</b>	<b>20-02-1053</b>
	<b>19-04-017</b>	<b>19-08-1036</b>	<b>19-10-1042</b>	<b>20-01-048</b>	<b>30-04-1021</b>

Reason  
It has been found that due to tolerances in the production of the Woodcomp assembly bushings and the engine flange, there is a possibility that the propeller may not correctly seat on the engine flange when the bushings are produced on the upper tolerance and the engine flange on the lower tolerance. This can lead to movement of the propeller on the engine propeller flange. See Fig. 1 and Fig. 2 for the situation.

This service bulletin provides instructions on how to inspect and rectify the problem of negative coincidence of tolerances.

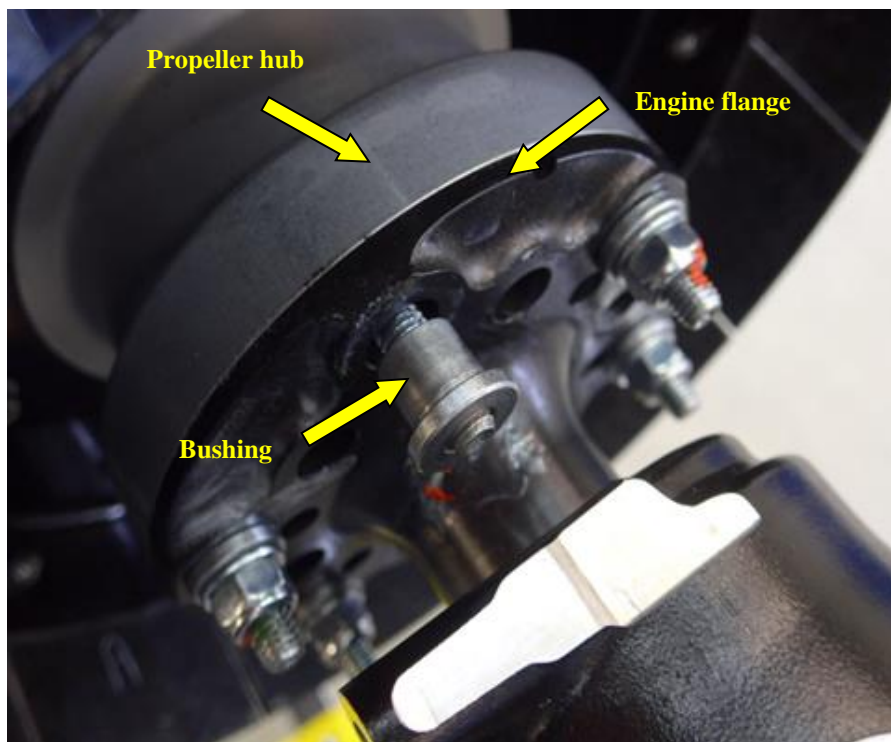


Fig. 1: Bushing installation.

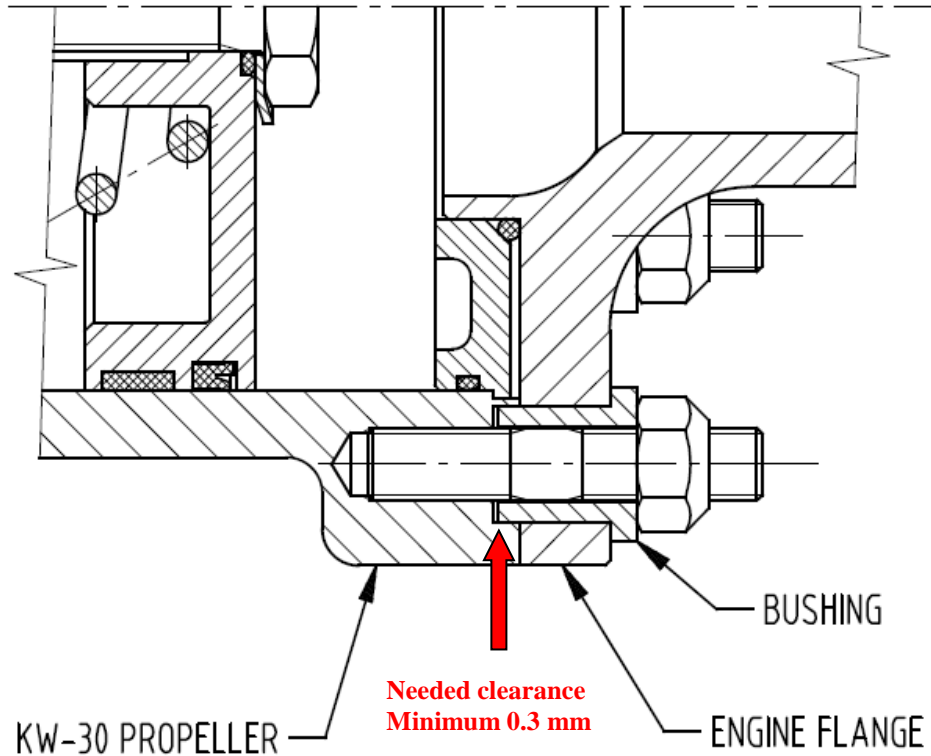
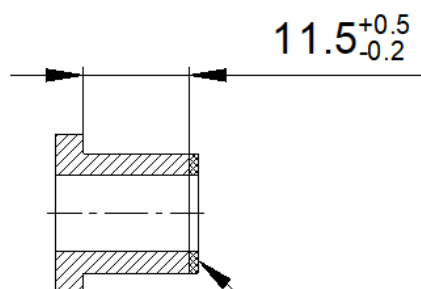


Fig. 2: Requested minimum clearance 0.3 mm



<p>Manpower estimates</p>	<p>The task may only be performed by an organization or individual entitled and trained to carry out maintenance on the aircraft. Estimated man-hours to complete the task as a stand-alone item is: 1.0 – 2.0 hrs</p>
<p>Compliance</p>	<p>This bulletin should be complied with <b>before next flight!</b></p>
<p>Work procedure</p>	<ol style="list-style-type: none"> <li>1. Ensure the wheel brakes are applied and the mag switches/ignition are switched in the "off" position.</li> <li>2. Remove the propeller spinner.</li> <li>3. Remove the 6 nuts and washers securing the propeller to the propeller gearbox flange.</li> <li>4. Place a container under the propeller gearbox flange (a small amount of oil will escape from the flange shaft when the propeller is removed). Carefully remove the propeller.</li> <li>5. Remove the bushings from the engine flange.</li> <li>6. Shorten the bushings according to the Fig. 3.</li> <li>7. Re-assemble the propeller in accordance with the Woodcomp UM-06 User Manual, tightening the nuts to 22Nm.</li> <li>8. Once assembled, ensure there is no movement of the threads or bushes evident in the propeller flange discernible when applying force to the propeller assembly laterally and vertically.</li> <li>9. Carry out a ground run of the aircraft for correct function and security of the propeller.</li> <li>10. Carry out a check-torque of the 6 propeller assembly nuts post ground run. Mark the threads and nuts with torque seal if required (country of registration dependent).</li> <li>11. Check the engine oil level post ground run and top up if required.</li> </ol>



**REMOVE MATERIAL  
HERE**

Fig. 3: Bushings rework

<p>Accomplishment instructions</p>	<p>Effective date of this SB is 30 April 2020.</p> <p>All work is to be carried out in accordance with the latest model-relevant Aircraft Maintenance Manual, and the latest Woodcomp TN-30 0 EN 100-hours inspection KW-30 Maintenance manual.</p> <p>In case of need contact the propeller manufacturer Woodcomp Propellers s.r.o. Phone: +420 283 971 309 Fax: +420 283 970 286 E-mail: info@woodcomp.cz</p>
<p>Work to be performed</p>	<p>By service organization authorized by the aircraft manufacturer</p>
<p>Costs borne by</p>	<p>Operator</p>
<p>Tooling required</p>	<p>Standard tools</p>
<p>Material necessary</p>	<p>Rubber sealing O-ring 45x2 PN 029281.2, one piece. Self- locking nuts M8, six pieces. In case of need the rework of the bushings can be done by Woodcomp Propellers s.r.o. and the bushings together with nuts and O-ring will be sent to the propeller owner free of charge.</p>
<p>Remarks</p>	<p>Record the performed work in the Propeller Logbook and please inform Woodcomp Propellers s.r.o. using the e-mail address: info@woodcomp.cz</p>

<p>Manager Accountable: Name: Aleš Křemen Sign: </p>	<p>Quality Manager: Name: Vilém Pompe Sign: </p>	<p>Rev. 00 Date: 08 APR 2020</p>
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