



RECREATIONAL AVIATION AUSTRALIA INC

Date

RECREATIONAL AIRCRAFT AIRWORTHINESS NOTICE

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INSPECT THE LENGTH OF WARP DRIVE PROPELER BLADES

To: All owners and operators of Aircraft fitted with WARP DRIVE propellers

Background: An owner has reported a propeller vibration which progressively worsened over time. On inspection it was found that one propeller blade was considerably shorter than the others. The vibration caused extensive damage to the engine mounts.

Discussion: Warp drive propeller blades are shipped at a specific length and cut down to suit each installation. Because of this process inadvertent errors can be made.

Action Required:

BEFORE NEXT FLIGHT:

If there is any engine vibration on aircraft fitted with WARP DRIVE propellers, measure each blade length and ensure they are within manufacturers' limits. If it is found that the blade lengths are outside of the manufacturers' limits, replace the affected blade/s and inspect the engine mounts for damage, security, or wear, inspect all other external engine components for security. If the engine mounts are found to be worn or damaged replace them with approved parts. All parts which are found to be loose should be checked to determine if the gaskets and mounts are worn. All worn mounts or gaskets should be replaced. All other loose components should be tightened in accordance with the engine manufacturers' instructions.

If the lengths of the propeller blades are within limits it is recommended that the propellers be removed and balanced.

Any other cause of vibration should be investigated as soon as possible and appropriate repairs be performed.

At Each Daily Inspection.

It is recommended that a visual inspection of the propeller and engine mounts for wear, damage, and security, be performed.

Recommended Further Action.

No further action is recommended at this time.

Reports and Recording.

The initial inspection is to be recorded in the aircraft log book Citing this AN, and any defects found should be reported to the RAAus office immediately using the RA-Aus Defect Report Form available on the RA-Aus web site.

Stephen Bell

Technical Manager

**Defect Reporting is one of the primary ways we have in ensuring continued safety
in our operations.**