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SERVICE BULLETIN

No. 0019

Date. 23rd Dec 1987.

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The CAA HAVE CLASSIFIED THIS BULLETIN AS MANDATORY.  
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SUBJECT: Propeller Attachment on Rotax 462 Liquid Cooled Engines.

MODELS AFFECTED:

PEGASUS FLASH 2 (LIQUID COOLED)  
PEGASUS XL-R (LIQUID COOLED)

SERIAL Nos AFFECTED

ALL SERIAL No.s

COMPLIANCE TIME:

Before next flight.

PURPOSE: A Pegasus Flash 2 operator had the propeller bolts shear on his aircraft. It appears that during the normal checks the nylocks used for locking the bolts were tightened instead of the bolt itself, which in fact threads into the prop flange. To improve the overall propeller attachment method Solar Wings have decided to:

- a) Increase the size of bolt used to 8mm.
- b) Drill out the threaded hole in the drive flange

allowing the Nylock to perform its proper function and the shank of the bolt to extend into the flange.

INSTRUCTIONS:

1. Remove propeller.
2. Drill out the 8mm threaded holes in the propeller driving flange to a clearance of 8.1 mm.
3. Drill out the bolt holes in the propeller to a clearance of 8.1mm.
4. Fit the propeller and tighten to 12 ft lbs. torque the new 8mm bolts and nylocks as outlined in Drawing SW-87003 attached to this bulletin.
5. After 1 hours engine time, slacken and then re-tighten the bolts to 12 ft lbs torque.
6. Although the operators manual advises that the propeller fasteners are checked for tightness every 10 hours. This does not over-rule the preflight and post flight checks also advised.

MATERIAL REQUIRED:

6 off 8mm x 100 Bolts. Solar Part No. FB0150  
12 off 8mm Washers. Solar Part No. FW0105  
6 off 8mm Nylocks. Solar Part No. FN0109

SPECIAL TOOLS REQUIRED: Torque wrench of appropriate size and range.

AVAILABILITY OF PARTS AND SPECIAL TOOLS:

Ex-Factory.

EFFECTIVITY DATE:

Immediate

SUMMARY:

(i) If in doubt contact your nearest dealer or phone Solar Wings Direct on: Marlborough (0672) 54414/53598

(ii) If you are no longer in possession of the affected aircraft, please send details of change of ownership to the factory and forward this information to the current owner.