

Date. 27th April 1987.

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 SERVICE AND OPERATIONAL INFORMATION.

SUBJECT: Rotax 447 and 462 Exhaust Systems.

<u>MODELS AFFECTED:</u>	<u>SERIAL Nos AFFECTED</u>
PEGASUS XL-R	ALL SERIAL No.s
PEGASUS FLASH	"
PEGASUS FLASH 2.	"

COMPLIANCE TIME: Immediate.

PURPOSE: Field reports indicate that some operators are having their exhausts crack after varying periods of engine hours. Data currently held by the company suggests that this problem is not universal, but seems to be localized to specific operators. A common factor gleaned from the available data, shows that in the main the affected aircraft are operated from hard runways. To avoid aircraft creep on these surfaces, there is a tendency for operators to set the engine idle RPM at a lower than usual setting, thus causing increased engine vibration.

INSTRUCTIONS:

- (i) Use as required the recommended high temperature grease in the flexible joint between the silencer and the manifold pipe.
- (ii) Set engine idle speed to achieve a smooth tickover.
- (iii) The following instructions should be used when re-fitting the exhaust silencers:
 - a. Grease the flexible joint as outlined in (i) above.
 - b. Slacken the bolts affixing the silencer straps to the isolator rubbers.
 - c. Rotate the silencer straps upwards as far as they will go. (Due to the manifold the front one will rotate further than rear.) Re-tighten the isolator bolts.
 - d. Fit the silencer. (This may require a slight down load to locate the flexible joint due to the pre-load on the isolator rubbers.)
 - e. Re-locate exhaust springs and wirelock.
 - f. Tighten silencer bands.

MATERIAL REQUIRED: High Temperature Anti-Seize Assembly Compound.
(eg. Moly slip COPASLIP.)

SPECIAL TOOLS REQUIRED: N/A

AVAILABILITY OF PARTS AND SPECIAEx- 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.

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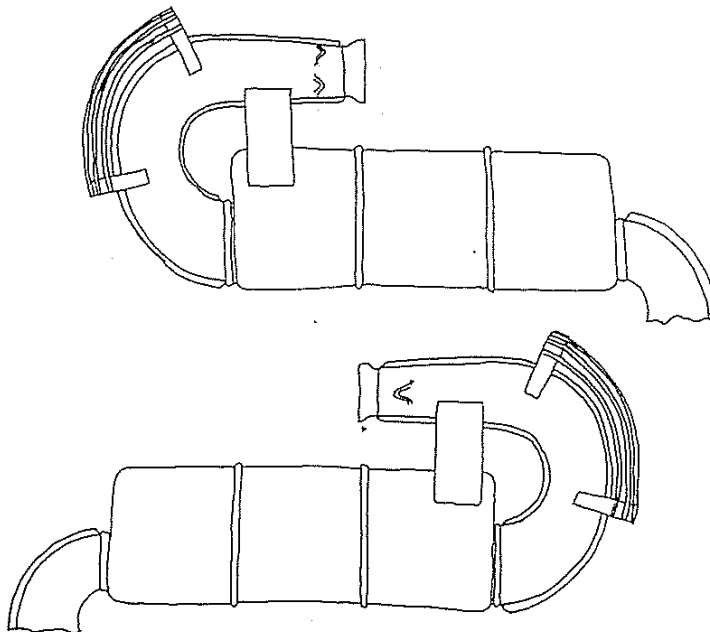
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Operators who have experienced exhaust cracking are requested to mark the diagram below where the crack occurred and return the diagram to:

Solar Wings Ltd.
56 George Lane
Marlborough
Wilts.
SN8 4BY.



Name:

Aircraft Type:

Registration:

Engine hours prior to crack:

Other relevant information:

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