

Date. 27th April 1987.

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SERVICE AND OPERATIONAL INFORMATION.
-----SUBJECT: Front Steering Forks.

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

COMPLIANCE TIME: Immediate.PURPOSE:

Instances have been reported of the failure of the front forks especially after prolonged use on less than ideal strips.

INSTRUCTIONS:

Attention is drawn to the operators manual where maintenance inspections and inspections after heavy landings are outlined. A strip down may be necessary if the area to be inspected is obscured by other components.

MATERIAL REQUIRED: N/ASPECIAL TOOLS REQUIRED: N/AAVAILABILITY OF PARTS AND SPECIAL TOOLS: N/AEFFECTIVITY DATE: Immediate.SUMMARY:

(i) As the reported failures seem to be in the region of the foot throttle pivot bush, Solar Wings re-conducted load tests on the component as per BCAR Section 'S' with the pivot bush in place but not welded in position, (This was how the original section 'S' test was carried out.) and then with bush welded in position. The results show that in both the welded and unwelded cases the load requirements were met and exceeded. In the case of the welded bush, this proved only to be 3% stronger than forks with unwelded bushes.

(ii) The following precautionary measures will extend the life of your aircraft whatever make or model:

- A. Do not take off or land on rough or uneven ground.
- B. Do not unnecessarily load your front steering by taxiing at high speed with the control frame pulled right back especially over rough ground.
- C. Carry out a thorough inspection including a strip down of components if necessary, after any unscheduled or heavy landing.

(iii) If in the course of routine inspection or after a heavy landing, you have doubt about the integrity of any component, contact your nearest dealer or phone Solar Wings Direct on:

Marlborough (0672) 54414

(iv) If you are no longer in possession of the affected aircraft, please forward this information to the current owner.