

Date: 22nd December 1987.

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SOLAR WINGS HAVE CLASSIFIED THIS SERVICE BULLETIN AS COMPULSORY.

SUBJECT: Pegasus XL Keel Tubes.

<u>MODELS AFFECTED:</u>	<u>SERIAL Nos AFFECTED</u>
PEGASUS XL-S	ALL WING SERIAL Nos PREFIXED "WA"
PEGASUS XL-R	" " " "

COMPLIANCE TIME: Immediate.

PURPOSE: Field reports indicate that as a result of the cross spar centre bolt losing its protecting cap a number of XL wing keel tubes have been scored.

This service release provides instructions for:

- Part A. The inspection of the affected areas.
- Part B. The implementation of optional minor modification 0020.

Part A. INSTRUCTIONS: (i) Thoroughly inspect for damage the centre box assembly of the cross spar and the area of the keel tube immediately forward of the centre oversleeve as outlined in Fig 1.

(ii) Replace any damaged or missing components.

Part B. INSTRUCTIONS: (i) Thoroughly inspect for damage the centre box assembly of the cross spar and the area of the keel tube immediately forward of the centre oversleeve as outlined in Fig 1.

(ii) Replace any damaged components not included in the modification kit.

(iii) Strip out Nose Plate assembly (Drawing SW-87001) and remove pop rivet (10). Slide on PVC Protection Sleeve. Re-assemble Nose Plate area paying special attention to note (i) on fastener tightening below. Finally secure the Keel End Cap by rivetting items (9 and 10).

(iv) Slacken all the fasteners on the Cross Spar Centre box Assembly (Drawing SW-87002). Remove the two centre bolts and replace with bolts (17 and 18). Re-assemble the Cross Spar Centre Box area paying special attention to note (ii) on fastener tightening below.

Notes on fastener tightening: (i) When reassembling the nose plate area as per drawing SW-87001, the bolts used for attaching the leading edges to the nose plates should be tightened to remove all end float in the bolt but still allow the leading edge to hinge freely during rigging and de-rigging. The bolts attaching the keel tube to the nose plates should be tightened to remove all end float from the bolt and then tightened an extra half turn.

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(ii) When reassembling the cross spar centre plate assembly as per drawing SW-87002, the bolts used to attach the cross spar halves to the centre plates should be tightened to remove all end float. Bolt (18.) used to join the centre plates together should be tightened to remove all end float in the spacer (item 5.) and then slackened until the split pin can be inserted at the first opportunity (This should allow the spacer to be rotated freely by the fore finger and thumb). Bolt (17.) should be tightened until end float is removed and then also slackened until the split pin can be inserted at the first opportunity. The cross spar should be able to hinge freely during rigging or de-rigging the aircraft. The bolts used to attach the cross spar halves to the centre plates should now be tightened a further half turn.

MATERIAL REQUIRED FOR PART B.1

ITEM.	PART No.	No. Off.
4.		1.
7.		2.
8.		2.
9.		1.
10.		1.
17.		1.
18.		1.
19.		4.
20.		2.
21.		2.

SPECIAL TOOLS REQUIRED: POP RIVET GUN.

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.