



SOLAR WINGS LIMITED  
A Member of the Pegasus Transport Systems Group

SERVICE BULLETIN

No. 0001

Date. 15 Feb 85

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COMPLIANCE WITH THIS BULLETIN IS MANDATORY

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SUBJECT:

Keel Tube Oversleeve  
replacement.

MODELS AFFECTED:

XL WING.

XLS WING.

SERIAL Nos AFFECTED

All Nos with 'T' Prefix.

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COMPLIANCE TIME:

Immediate.

PURPOSE:

Field reports have been received of Keel Tubes being overstressed at a point to the rear of the oversleeve tube. The primary cause appears to be excessive leverage exerted during the mating of the wing and trike.

Operators are warned that special care should be taken during the wing/trike mating procedure to reduce the possibility of overstressing the keel tube.

INSTRUCTIONS:

Remove Keel Tube from airframe.

Drill out Front End Cap Rivet.

Remove Swivel Channel Bolts.

Remove Suspension Plate and Nylon Bearing.

Remove Rear Retainer Ring Bolt.

Drill out and remove the oversleeve location rivet.

Slide off the the oversleeve.

Inspect the Keel tube in the area of the location rivet hole for signs of fatigue.

INSTRUCTIONS: (continued).

Fit new oversleeve ensuring that the King Post Spigot location hole is uppermost.

DO NOT refit location rivet.

Refit Rear Retainer Ring Bolt.

Refit Suspension Plate and Nylon Bearing.

Refit Swivel Channel Bolts.

Refit Front End Cap and secure with a retaining Rivet.

Refit Keel Tube to Main Airframe.

MATERIAL REQUIRED:

XL Keel Tube Oversleeve.

AVAILABILITY OF PARTS:

Ex Factory.

EFFECTIVITY DATE:

Immediate.

SUMMARY:

Please contact your selling agent or the Solar Wings Factory to arrange compliance with the provisions of this Service Bulletin in accordance with the compliance time above.

If you are not in possession of the affected aircraft, please forward this information to the current owner/operator.

INSPECTION AREA

SKETCH 'A'

REAR POSITION OF ORIGINAL OVERSLEEVE

FRONT POSITION OF OVERSLEEVE

LOCATION RIVET HOLE

TO FRONT

TO REAR

XL. KEEL TUBE.

(OVERSLEEVE REMOVED).

