

SERVICE BULLETIN

SB No. 91 Issue No. 1

TITLE INSPECTION OF TORQUE LINK MOUNTING LUGS SAB NOSE WHEEL LEG

CLASSIFICATION

This Service Bulletin has been classified as Recommended by SAL

COMPLIANCE

At or before next 50 hours plus every 12 months thereafter

APPLICABILITY:

 T67A, T67B, T67C Series, T67M, T67M-MkII and T67M200.
 All Pre Mod M468, ie SAB undercarriaged aircraft.

INTRODUCTION:

A crack has been reported in the top torque link mounting block weld. Refer Fig. 1.

ACTION

1. At or before next 50 hours and at 12 monthly intervals.
 - 1.1 a) With reference to Fig. 1 examine the block welded to the lower end of the outer fixed leg. Visually inspect welds around block if a crack is found in the paint covering the welds then continue as paragraph 1.2.
 - 1.1 b) If no crack is visible, aircraft to continue until next 50 hr check for a repeat visual check, ref. paragraph 1.1 a).
 - 1.2 Remove all paint from the area of the weld.
 - 1.3 Carry out a dye penetrant check of the weld area.

Note It is important that the whole area be thoroughly degreased to remove any hydraulic fluid before applying the dye and developer.

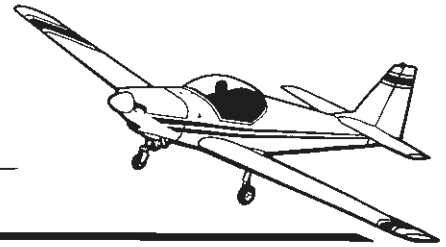
ISSUED BY:


 for and on behalf of **SLINGSBY AVIATION LIMITED**
 Kirkbymoorside, York YO6 6EZ England

Tel 0751 32474 Telex 57597

Date 18-4-96

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- 1.4 (a) If no cracks are found, re-protect with clear lacquer or equivalent and the aircraft may then continue to the next scheduled 50-hour check.
- (b) If any crack is found, the aircraft must not be flown until the component is repaired as in para. 2.

2. Repair:

- 2.1 Remove the leg from the aircraft and disassemble in accordance with the appropriate T67 Maintenance Manual, Chapter 4.
- 2.2 Grind away the weld metal in the area affected by the crack(s), and carry out further dye penetrant checks and further removal of metal as necessary until all traces of the crack are removed.
- 2.3 Carry out a weld repair using argon arc (tig) to produce a fillet equivalent in area to at least the original weld.

The weld filler rod recommended is Bostran 41, (BS 2901, Part 1, A32) supplies of which are available from Slingsby Aviation.

Welding to be done by an approved welder.

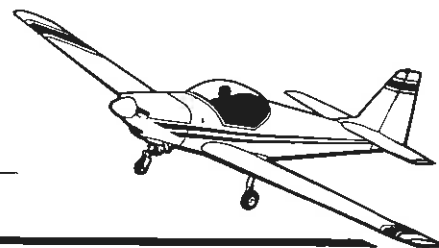
- 2.4 Clean leg and repaint.
- 2.5 Reassemble the nose undercarriage in accordance with appropriate T67 Maintenance Manual, Chapter 4 and record repair.
- 2.5.1 If a leg which has been repaired and is subsequently found to have cracked again, it may not be repaired a second time, but must be replaced.

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3. Reporting

Report any cracks which are found to Slingsby Aviation Ltd, attention Product Support Department.

4. Recording Action

Annotate SB91 carried out at each inspection.

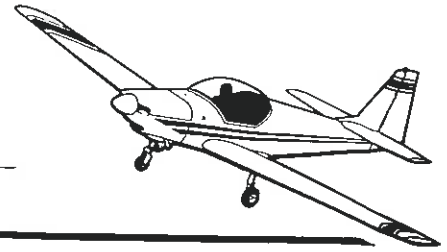
Note: Mod M468 Introduction of Alternative Fairey Hydraulic Undercarriage is available. Details may be obtained from Product Support Department.

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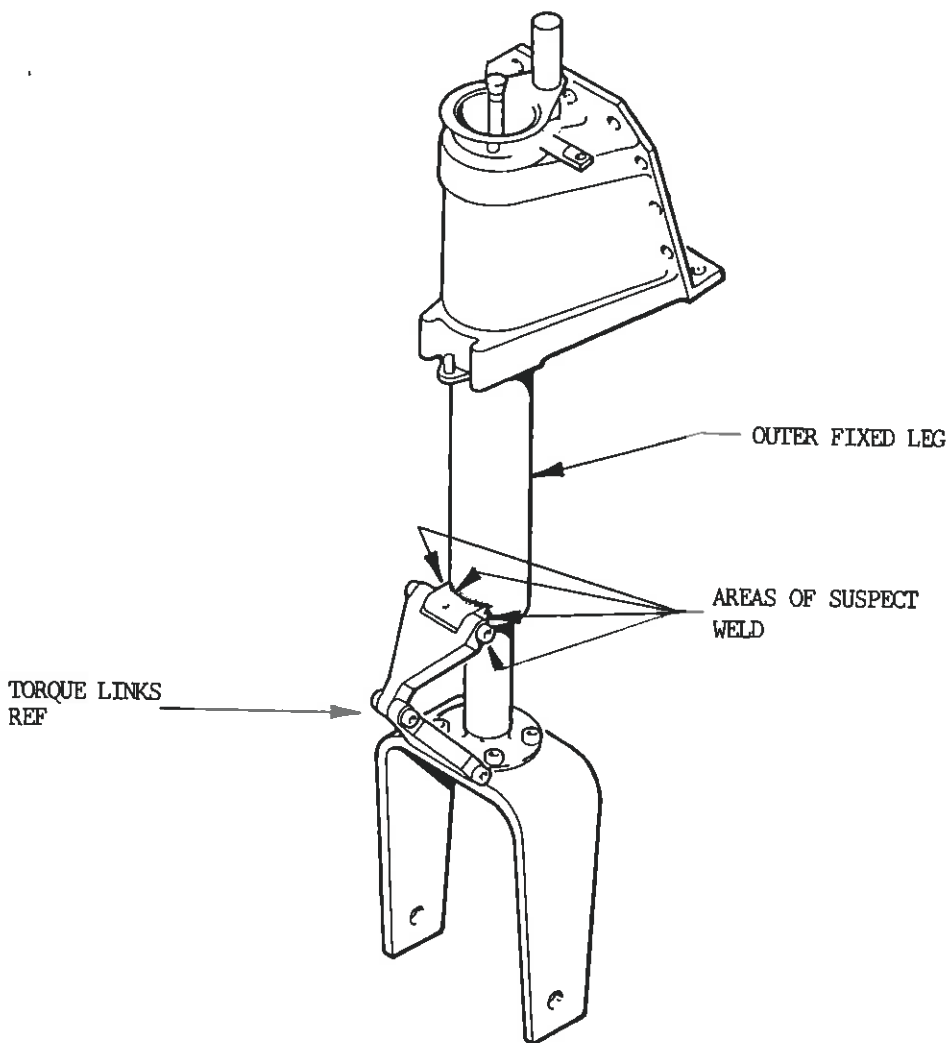


FIG 1
SAB NOSE LEG ASSY

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B. M. Miller

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