

SERVICE BULLETIN

SB No. 147 Issue No. 1

TITLE SAB UNDERCARRIAGE NOSEWHEEL STEERING ADAPTOR INSPECTION

CLASSIFICATION

This Service Bulletin has been classified by SAL as Highly Recommended

COMPLIANCE

At next 150 flying hour check

APPLICABILITY:

Pre Mod M468 (Introduction of Fairey Undercarriage): T67B, T67C Series, T67M, T67M-MkII and T67M200.

INTRODUCTION:

A case has been reported of cracking in the nosewheel steering adaptor arm of aircraft fitted with SAB undercarriage. The origin of the crack was found to be impact damage, possibly sustained during refitting. This Service Bulletin requires an inspection of the adaptor and if necessary, repair.

ACTION:

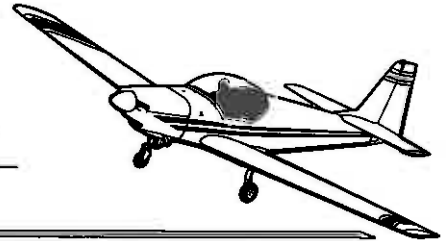
1. Remove steering adaptor (126-35-262) from the nosewheel undercarriage in accordance with the Maintenance Manual.
2. Remove paint locally from steering adaptor.
3. Using strong light, magnification and a dye penetrant, visually inspect the steering adaptor, particularly the machined fillet and welded regions, as shown in Fig. 1, for cracking or impact damage.
4.
 - i. If no cracks are found, carefully smooth out rough finish if existent, restore finish and refit steering adaptor in accordance with Maintenance Manual. Annotate Logbook "SB 147 complied with".
 - ii. If cracks up to but not exceeding 0.5mm in length are found, carefully blend out cracks and smooth rough finish if existent, restore finish and refit steering adaptor in accordance with Maintenance Manual. Repeat inspection every 50 flying hours or repair i.a.w. iii) below. Annotate Logbook after each inspection: SB147 complied with (50 hr inspection).
 - iii. Cracks of lengths between 0.5mm up to and including 1.5mm may be repaired by cutting back to good material (use 'V' cut) and restoring original edge profile by welding as follows. Preheat area to 150°C prior to welding and stress relieve afterwards as follow. Allow weld to return to 150°C and then heat to 600°C ±25°C (dark brown/red in colour. Hold at 600°C for 10 minutes and allow to air cool to ambient temperature. Smooth rough finish if existent, restore finish and refit carefully in accordance with Maintenance Manual. Inspect after 10 hours to ensure integrity of repair. Annotate Logbook SB147 complied with. Repair to be performed by Approved Aircraft Welder.

ISSUED BY:

Date 24 SEP 1998

 for and on behalf of **SLINGSBY AVIATION LIMITED**
 Kirkbymoorside, York YO6 6EZ, England. Tel. 01751 432474
 Fax 01751 431173

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- iv. If cracks greater than 1.5mm in length are found, return steering adaptor to Slingsby Aviation, cross referenced with aircraft serial number for assessment and repair or replacement. Fit repaired or replacement carefully in accordance with Maintenance Manual. Annotate Logbook "SB147 complied with".
5. Maintenance Manual to be annotated to include warning on care when refitting steering adaptor at next amendment, and visual inspection required at each 150 flying hour check.

Maintenance Manual/Schedule will be amended in due course.

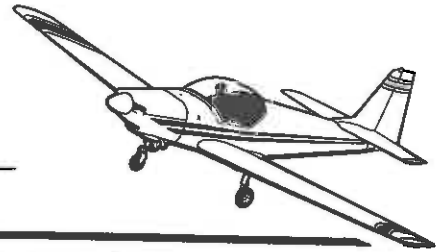
For Further information and/or replacement part/s, contact SAL Product Support Department.

Approved:



Date:

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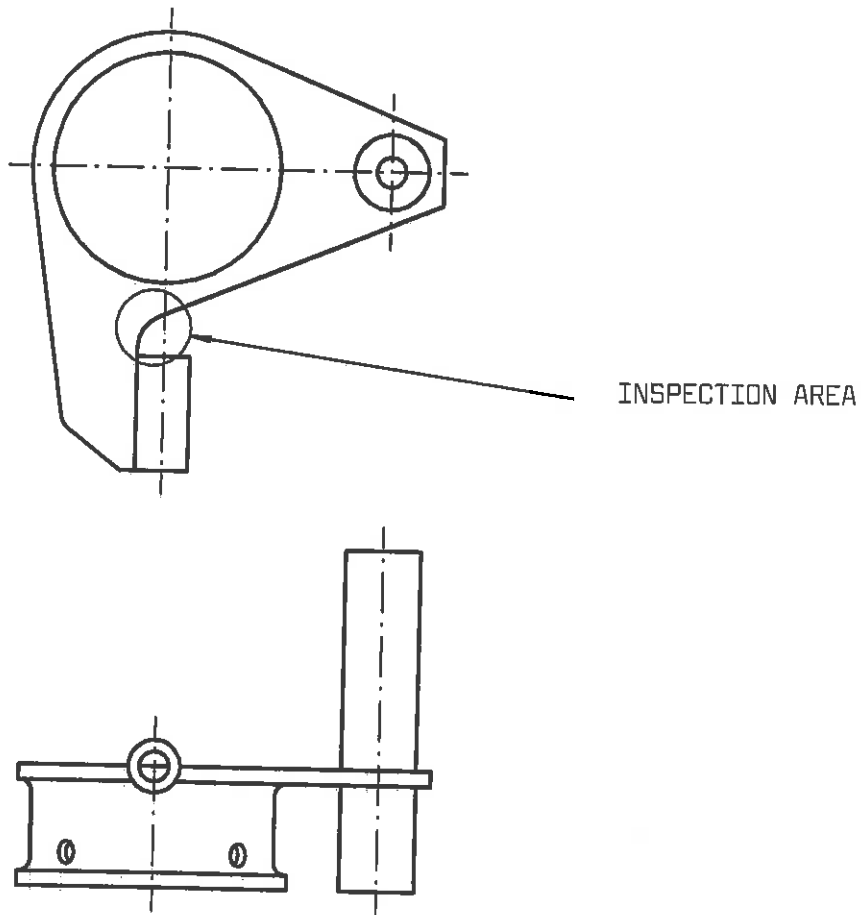
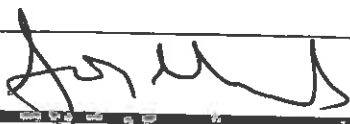


FIG 1 - SAB NOSEWHEEL STEERING ADAPTOR
(SAB PT. NO. 918-607)

Approved:



Date:

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