

SERVICE BULLETIN

SB No. 127 Issue No. 1

TITLE
**INSPECTION OF ALUMINIUM FITTINGS FOR EXFOLIATION
CORROSION**
CLASSIFICATION

This Service Bulletin has been classified by the CAA as Mandatory

COMPLIANCE Before 31st December 1997 or as required at paragraph 4 ii)

APPLICABILITY:

T67A, T67B and T67M aircraft.

INTRODUCTION:

A case has been reported of exfoliation (layer corrosion) in the following positions on a T67A aircraft: forward tailplane attachment brackets, flap centre drive brackets and seat belt attachment brackets. This particular aircraft had been stood down for a period of time prior to re-activation.

ACTION:

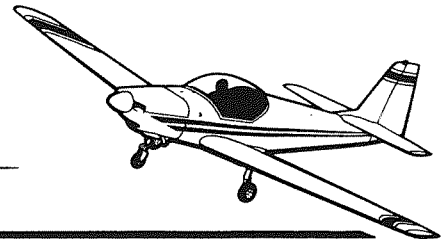
1. Gain access to the following areas which contain aluminium fittings. Most positions will be visible externally. However for internal fittings the following will have to be removed: external access panels, frame 5 panel, tailplane, seats, centre console top, forward covers, glareshield, cowling and wing seals.
 - a) Aileron hinges and drive lever.
 - b) Aileron drive bellcrank assemblies two places within wing and pushrods.
 - c) Flap hinges, drive lever and flap drive shaft outer pivot bearing, visible through drive lever slot under wing.
 - d) Rudder hinge assemblies and drive horn.
 - e) Elevator hinges, drive plates, lever and trim tab hinge plate.
 - f) Tailplane forward and aft attachments, plus fuselage to tailplane forward attachment.

ISSUED BY:

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

Date 17. July 97

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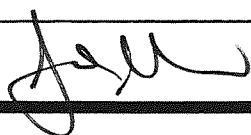
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- g) Elevator drive bellcranks assembly in fuselage and pushrods.
 - h) Elevator drive bellcranks assembly Frame 4.
 - i) Flap mechanism seat attachment side plates.
 - j) Control column/spar mounting brackets.
 - k) Seat harness lap strap attachment brackets.
 - l) Throttle linkage pivot brackets under instrument panel on Frame 2.
 - m) Instrument panel mounting beam, T67A and Works No. 1999 only.
 - n) Canopy mechanism pivot mounting blocks.
 - o) Wing mounting load spreader plates fore and aft, ref Frames 3 and 4.
 - p) Canopy rail, slider, radius arm bottom pivot mountings and canopy lifting handles.
 - q) Hot air box cabin heating.
 - r) Throttle/mixture cable mounting brackets at engine.
 - s) Carburettor air intake filter/box assy.
 - t) Seat support and, T67A and Works No. 1999 only, seat adjusting mechanism.
2. Should exfoliation be found please inform SAL Product Support Department. Replace affected component.
3. Ensure the following Service Bulletins and Modifications have been implemented:
- i) SB17 T67A Aft Tailplane Location Brackets Mod M255
 - ii) SB18 Inspection of Flap Centre Brackets Mod M268
 - iii) SB34 Rudder Upper and Lower Hinge Support Angles - Inspection. Ref Mod M394.

Approved:



Date:

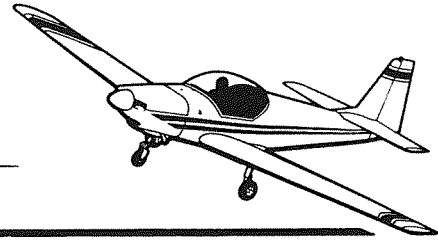
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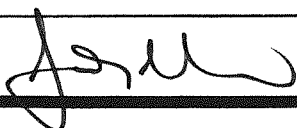
4. i. Ensure maintenance inspections are adhered to with respect to checking condition of fittings, ie every 100 flying hours. In particular, should the fittings' external finish (eg paint, anodising, clad) be damaged, clean and re-protect with alochrom and/or paint.

When working with aluminium fittings, care should be taken not to damage the surface finish, if damage occurs re-protect as above.

- ii. If the aircraft, in the main, is not hangared then paragraphs 1 and 2 are to be applied within the next 10 flying hours.
5. Annotate aircraft Log Book "SB 127 complied with".

For any replacement parts or if in doubt, please contact SAL Product Support Department.

Approved:



Date:

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