

SERVICE BULLETIN

SB No. 78 Issue No. 3

TITLE

INSPECTION OF RUDDER CABLES AND THEIR FAIRLEAD PULLEYS

CLASSIFICATION

Recommended

COMPLIANCE Within one month of date on this Bulletin or at next 50 hr inspection, then at all routine annual inspections or 500 hrs whichever comes first.

This Issue 3 of SB 78 introduces note referring to Mod M670. Ref. Page 2.

APPLICABILITY: T67C & T67M-MkII Aircraft (Post Mods M419 & M456), T67M260 & T67M260-T3A (Pre Mod M670)

INTRODUCTION:

Cases have been reported of frayed rudder cables. The fraying occurs at the fairlead pulleys at Frame 4 and Frame 11. The Frame 11 position appears to have a higher degree of fraying.

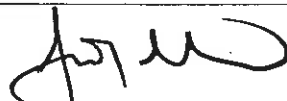
ACTION

1. Gain access to Frames 4 (through centre console) and 11 (via rear access panel).
2. Identify position of fairlead pulleys on rudder cables, withdraw sufficient cable to be able to examine the cable in the region of the pulleys. Remove the fairlead pulleys.
3. Inspect rudder cable at point of fairlead pulleys contact, by bending it back on itself. If there are any wires broken in these regions, replace cable. Away from the pulley it is permissible for up to 4 wires in the cable to be broken provided the wires are in a position not to foul any mechanism or structure. It is permissible for all 4 broken wires to be in a single strand.

If more than 4 wires are broken replace the cable.
4. Check fairlead pulleys, if grooves in the base of the fairlead pulley exceeds 0.020"/.5mm then the fairlead pulley should be replaced.

ISSUED 21 JUN 1996

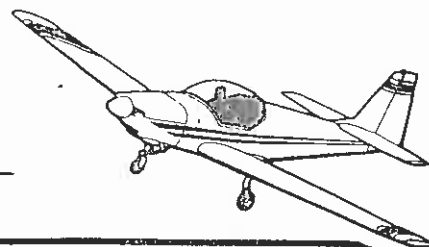
ISSUED BY:



Date 20.6.96.

for and on behalf of **SLINGSBY AVIATION LIMITED**
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CONTINUED

5. Reassemble into aircraft. Ensure when refitting a cable with 1-4 wires broken that it does not prevent correct rudder operation.
6. If required, contact SAL Product Support for replacement rudder cable Part No. T67B-45-219 or fairlead pulley 126-26-801. (RHP Pt No. FL6419 or Sarma Pt No. WP 19SP3 may be supplied).
7. Maintenance Manual will be expanded to include rudder cable and fairlead inspection and replacement criteria as in 3 and 4 above.

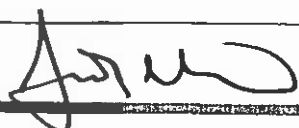
Note:

A modification, Mod M670, has been introduced whereby the fairlead pulleys at Frames 4 and 11 are replaced by fixed fairleads.

Once Mod M670 has been incorporated this SB78 is no longer required and normal maintenance schedule inspections can be performed.

For Mod M670 Mod Bulletin and Mod Kit, contact SAL Product Support Department.

Approved:



Date:

20.6.96.

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