

# SERVICE BULLETIN

SB No. 143 Issue No. 1

**TITLE FAIREY HYDRAULICS MAIN UNDERCARRIAGE BACKLASH CHECK**
**CLASSIFICATION**

This Service Bulletin has been classified by SAL as Highly Recommended

**COMPLIANCE**

At next annual inspection

**APPLICABILITY:**

Post Mod M468 equipped aircraft T67B, T67C Series, T67M, T67M-MkII and T67M200

**INTRODUCTION**

Cases have been reported of Fairey Hydraulics main undercarriage displaying movement between the stub and the leg.

This SB requires a one time inspection.

**ACTION:**

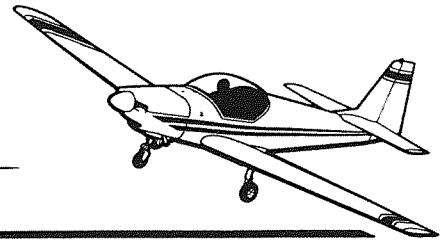
1. Support aircraft safely on jacks and remove main wheel and tyre assembly.
2. Measure 7 ins along the stub axle from the centreline of the plunger tube. See Fig. 1.
3. Set up dial indicator for up and down checks at the 7 ins position.
4. Establish a means to record the neutral position and zero the indicator.
5. Apply 2 lbs of force upwards. Measure and record the deflection.
6. With stub axle back to the neutral position and indicator set to zero, apply 2 lbs of force downwards. Measure and record the deflection.
7. Total deflection up and down must not exceed 0.020 ins.
8. Set up the equipment to record fore and aft deflections at the same 7 ins mark. Zero the indicator.
9. Apply 2 lbs of force forward. Measure and record the deflection.

**ISSUED BY:**

Date 27-9-97

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

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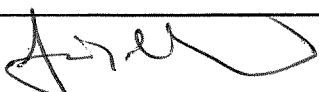
**FAIREY HYDRAULICS MAIN UNDERCARRIAGE BACKLASH CHECK**

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10. With stub axle back to the neutral position and indicator set to zero, apply 2 lbs of force rearwards. Measure and record the deflection.
11. Total deflection forwards and rearwards must not exceed 0.040 ins.
12. If either of the requirements for maximum allowable deflection are not met, moving strut and stub assembly should be returned to manufacturer for inspection.
13. Annotate Log Book "SB 143" complied with".
14. The Maintenance Manuals will be amended to include this check at next issue.

For replacement parts and/or if in doubt, contact SAL Product Support Department.

Approved:



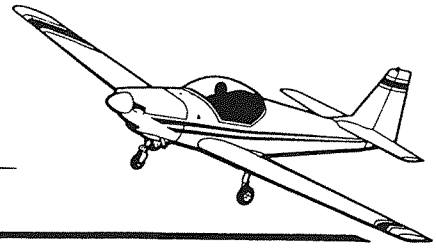
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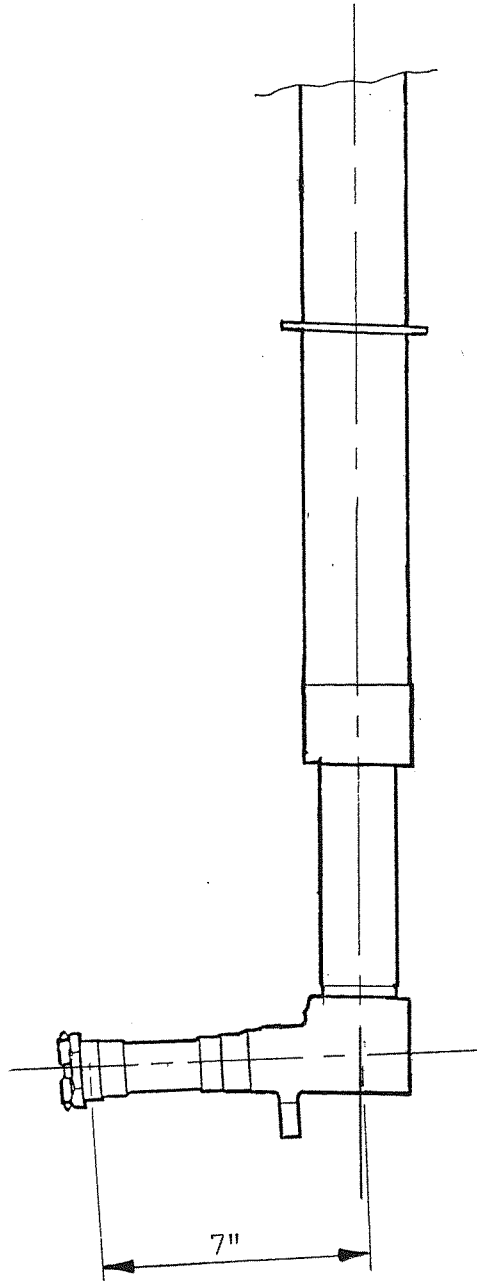


Fig 1  
PLACEMENT OF DIAL INDICATOR

Approved: *[Signature]*

Date: 27-9-97

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