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## Service Bulletin

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S.B. No: 143

**Title:** FAIREY HYDRAULICS MAIN UNDERCARRIAGE BACKLASH CHECK

**Classification:** This Service Bulletin has been classified by SAL Highly Recommended

**Compliance:** At next Annual Inspection

**Issue 2 adds note to Para 1 and Fig 1 to hold torque links rigid.**

**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. Ensure torque links are held rigidly during loading.
2. Measure 7 ins along the stub axle from the centreline of the plunger tube. See Figure 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.

Approved by: 	Date: 9/3/99	Issue 2
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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 inches.
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 Manual is in the process of being amended.

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

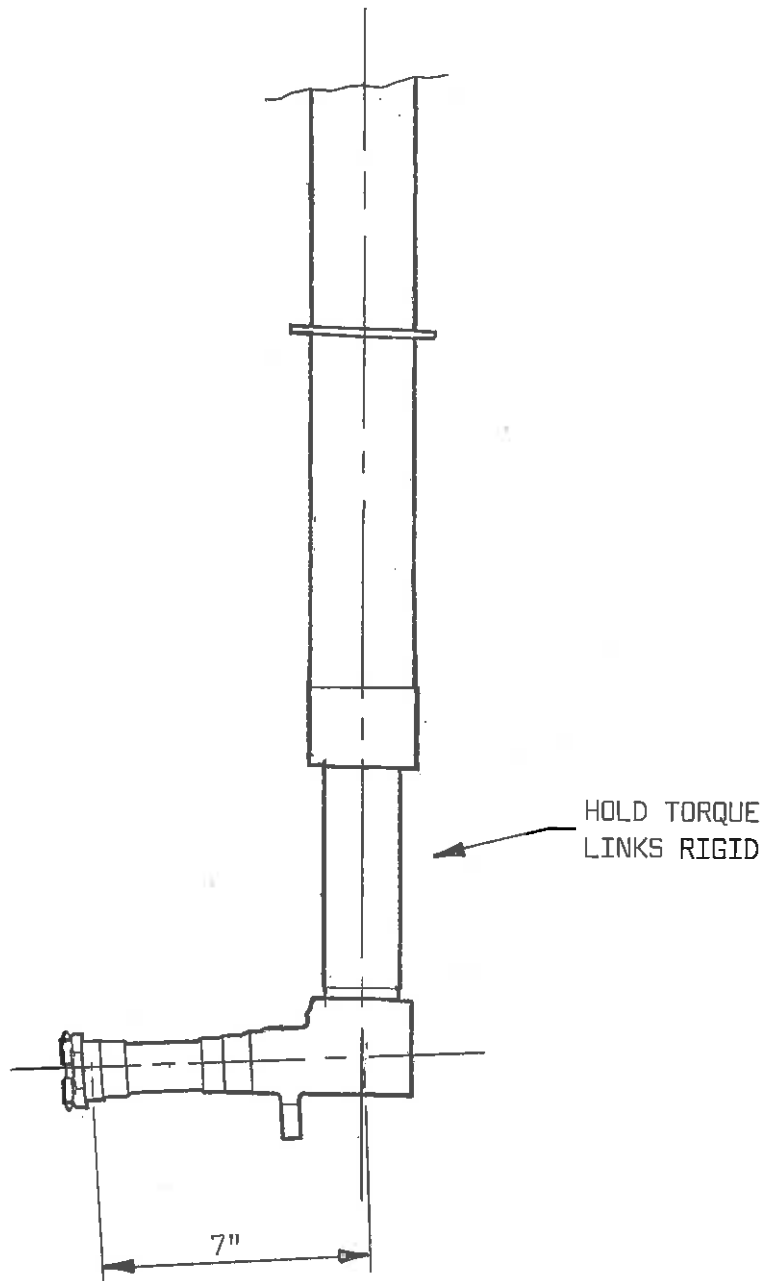


Fig 1  
PLACEMENT OF DIAL INDICATOR