

Technical Note TN.JS-021

17 February 2015

TITLE

Landing Gear Shock Assembly Bottom Cap

DESCRIPTION

This Technical Note sets out the procedure to loosen the Bottom Cap of the Landing Gear Shock Assembly.

INSTRUCTIONS

1. Fabricate a tool to loosen the Bottom Cap of the Landing Gear Shock Assembly as illustrated below:

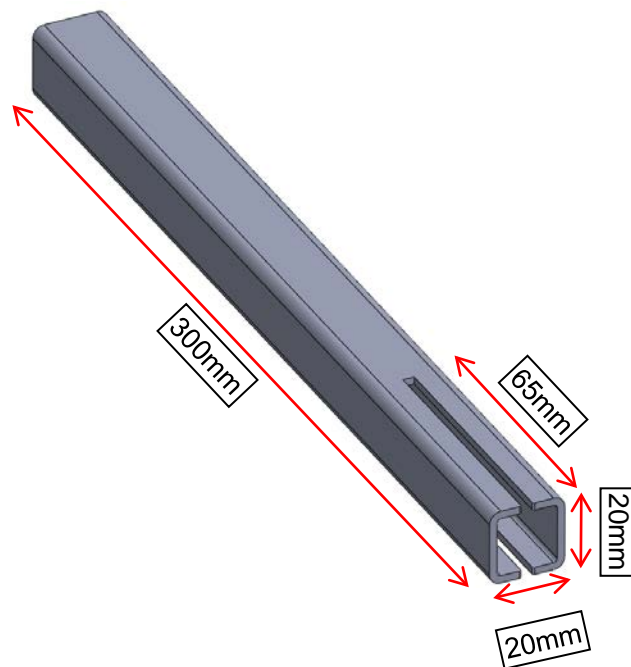


Fig. 1 - Square Tube

NOTE: A wall thickness of 2mm or more is required to withstand the torque forces.

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| | | | | Chief Designer/Engineer: <i>A. Jonker</i> | Accountable Manager: <i>S. U. Jonker</i> | |

2. Fold a strap (approximately 800mm x 50mm) around the Bottom Cap of the Landing Gear Assembly as illustrated in the figure below:

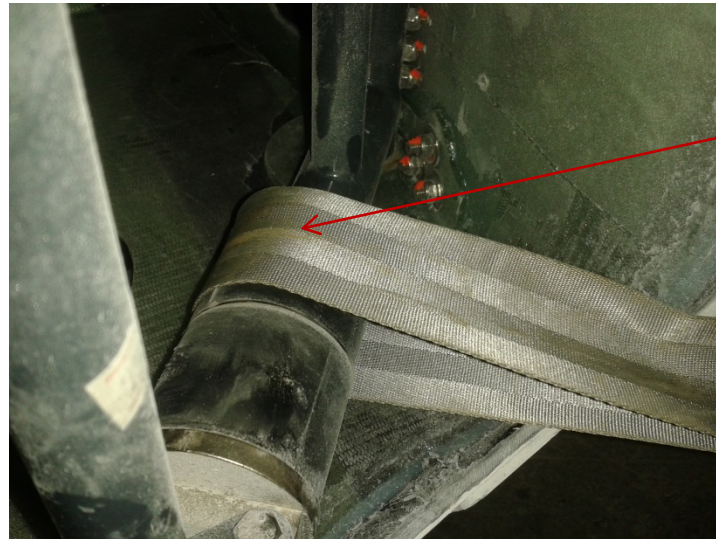


Fig. 2 - Strap Positioning

3. Insert the two loose ends of the strap through the slot in the square:

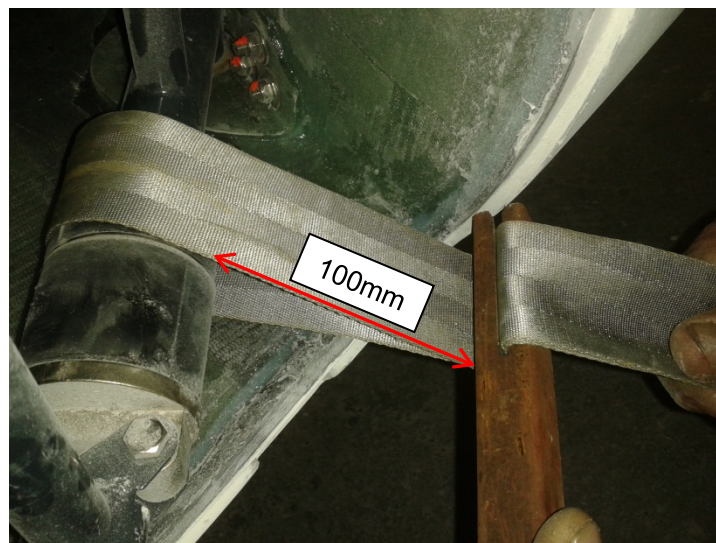


Fig. 3 - Application of Square Tube onto Strap

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| | | | | Chief Design Engineer: A.C. Jonker | Accountable Manager: J.S. Jonker | |

4. Wind the strap around the square tubing by rotating the square tube in an anti-clockwise direction:



Fig. 4 - Winded Strap

5. Loosen the Bottom Cap by applying sufficient torque on the square tubing, using a spanner as illustrated in the figure below:



Fig. 5 - Loosening of Bottom Cap

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| | | | | Chief Design Engineer: | Accountable Manager: | |
| | | | | <i>[Signature]</i> | <i>[Signature]</i> | |

NOTE:

Using a Stillson Wrench to loosen the Shock Assembly Bottom Cap may damage the Bottom Cap beyond conformance.

See the figure below:



Fig. 6 - Use of Stillson Wrench

6. Perform maintenance and replace parts according to the JS-1 Revelation Maintenance Manual Issue 3, Section 6.5 - Maintenance of the Landing Gear.

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| | | | | Chief Design Engineer: <i>[Signature]</i> | Accountable Manager: <i>[Signature]</i> | |

MATERIAL SUPPLIED

- Drawing D1A-1.05.50 A4 v5.0

MATERIAL REQUIRED

- Spanner Size 21
- Square Tube 20mm x 2.0mm x 300mm
- Strap 800mm x 50mm
- Grinder
- Ruler

MASS AND BALANCE

No change to mass or balance

MANUALS

No change to Flight or Maintenance Manuals

NOTES

This technical note must be implemented by an approved maintenance technician.

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| | | | | Chief Design Engineer: A.S. Jonker | Accountable Manager: S.U. Jonker | |