

Technical Note TN.JS-020

17 February 2015

TITLE

Landing Gear Lever and Locking Plate Adjustment

DESCRIPTION

This Technical Note sets out the procedure to perform an adjustment on the Landing Gear Lever to ensure a secure lock of the Landing Gear.

INSTRUCTIONS

Bending Of The Landing Gear Handle

 Fabricate a 12mm x 12mm x 35mm block out of wood. See the Figure below:



Fig. 1 - Wood Block

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2. Insert the block into position between the Landing Gear handle lever and the seat pan, as illustrated in the figure below.

NB: Ensure the block doesn't fall in between the seat pan and the landing gear driver rod!





Fig. 2 - Wood Block Positioning

3. Bend the landing gear lever to create a gap of 10mm between the top of the lever and the upholstery. See the Figures below:





Fig. 3 - Bending of Landing Gear Lever

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4. Ensure the landing gear locks securely into position as illustrated below:



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Fig. 4 - Safe/Unsafe Locking

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Adjustment of the Landing Gear Locking Plate

 Measure the angle of landing gear locking plate front recess as illustrated below. The angle must be less than 90° to prevent the landing gear moving out of the lock position when landing on rough terrain.



Fig. 5 - Locking Plate Angle

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An angle in excess of 90° must be corrected as follows:

1. Remove the Landing Gear Locking plate as illustrated in the figure below:



Fig. 6 - Locking Plate Screws

2. File the locking plate with a fine file to produce an angle less than 90°, as illustrated in the Figure below:



Fig. 7 - Adjustment of Lock Plate Angle

- 3. Verify the adjusted angle is less than 90°.
- 4. Re-install the locking plate and secure.





 Adjust the Landing Gear Driver Rod and Linkage System as described in SB.JS-002 to remove play between the landing gear lever and the locking plate.
See the figure below:



Fig. 8 - No Play on Lever

6. Test operation of the landing gear and perform a final inspection.

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MATERIAL SUPPLIED

1. 12mm x 12mm x 35mm Super Wood Block

MATERIAL REQUIRED

- 1. Allan Keys
- 2. Fine File
- 3. Angle Protractor

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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