

**FOR PLANNING PURPOSES**

# SERVICE BULLETIN

SERVICE BULLETIN NO: 32-010

REF NO: 120

MODIFICATION NO: 000094

ATA CHAPTER: 32

**LANDING GEAR - NOSE LANDING GEAR (NLG)  
MODIFICATION OF THE NLG MAIN FITTING****1. Planning Information****A. Effectivity**

- (1) All PC-12 and PC-12/45 aircraft from MSN 101 up to and including MSN 320 with NLG assembly P/N 532.20.12.038 installed.

**B. Concurrent Requirements**

None

**C. Reason****(1) Problem**

Instances have occurred when the pilot has had to use more force than usual to operate the nose wheel steering.

**(2) Cause**

It is possible that the upper and lower bushes in the NLG main fitting can become loose, which prevents correct lubrication through the upper and lower grease nipples.

**(3) Solution**

Installation of cotter springs will lock the bushes to the main fitting. This gives the correct routing to lubricate the NLG main fitting and thus release the nose wheel steering.

**D. Description**

This Service Bulletin gives the procedures to:

- (1) Disassemble the NLG shock absorber.
- (2) Examine the main fitting upper and lower bushes and replace as necessary.
- (3) Install the two (2) new cotter springs.
- (4) Assemble the NLG shock absorber.

**E. Compliance**

Optional.

**F. Approval**

The technical aspects of this Service Bulletin have been approved by the Federal Office for Civil Aviation (FOCA) of Switzerland.

**NOTE:** PILATUS advises Operators/Owners to check with their local Airworthiness Authorities for any changes, local regulations or sanctions that may affect the embodiment of this Service Bulletin.

**G. Manpower**

	Total
Modification of the NLG Main Fitting - Inclusive of Bush Replacement	12
<b>TOTAL MAN-HOURS</b>	<b>12</b>

	Total
Modification of the NLG Main Fitting - without Bush Replacement	9
<b>TOTAL MAN-HOURS</b>	<b>9</b>

**NOTE:** Man-hours figures do not include the time required to cure sealants and adhesives.

**H. Weight and Balance**

**(1) Weight Change**

Not affected.

**(2) Moment Change**

Not affected.

**I. Electrical Load Data**

Not changed.

**J. Software**

Not changed.

**K. References**

Aircraft Maintenance Manual (AMM), 07-10-00, 12-20-04, 32-20-00, 32-40-02.

**L. Publications Affected**

Illustrated Parts Catalog (IPC), Chapter 32-20-00.

AMM, Chapter 32-20-00.

Component Maintenance Manual (CMM), 32-20-05 (P/N 532.20.12.039).

**M. Interchangeability of Parts**

Pre and Post SB 32-010/Mod. 000094 are fully interchangeable.

**2. Material Information**

**A. Material - Price and Availability**

Operators should send orders for Service Bulletin modification kits, to their Authorized Pilatus Service Center, or to:

PILATUS AIRCRAFT LTD.,  
CUSTOMER LIAISON MANAGER,  
CH 6371 STANS,  
SWITZERLAND.

or PILATUS BUSINESS AIRCRAFT LTD.,  
PRODUCT SUPPORT DEPARTMENT,  
11755 AIRPORT WAY,  
BROOMFIELD, CO 80021.  
USA

Tel : + 41 41 619 6319 (General aviation)  
Tel : + 41 41 619 6509 (Government)  
Fax: + 41 41 619 6224

Tel : 303 465 9099  
Fax: 303 465 6040

**NOTE:** Operators are requested to advise Pilatus Aircraft Ltd, using the Service Bulletin Evaluation Sheet, of the Manufacturer's Serial Number (MSN) and the flying hours of aircraft which are allocated for this Service Bulletin.