

Service Bulletin No: 32-014

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Modification No: EC-09-0691

ATA Chapter: 32

**LANDING GEAR - NOSE LANDING GEAR (NLG) - REPLACEMENT OF DRAG LINK RIGHT-HAND****1. Planning Information****A. Effectivity**

All PC-12 and PC-12/45 aircraft from MSN 101 thru MSN 489 with NLG drag-link assemblies Part No. 532.20.12.072 installed.

**B. Concurrent Requirements**

None.

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

There have been reports of damage to the drag-link RH (Part No. 532.20.12.140) which is part of the NLG drag-link assembly (Part No. 532.20.12.072). Aircraft Maintenance Manual (AMM) 04-07 puts a life limit on the drag-link assembly RH (Part No. 532.20.12.140).

**(2) Cause**

Fatigue cracks in the NLG actuator lug can cause failure of the drag link RH.

**(3) Solution**

Introduction of a new stronger drag-link RH (Part No. 532.20.12.296) which supersedes the installed drag-link RH (Part No. 532.20.12.140). It is necessary to install additional parts when you install the new drag link RH.

**D. Description**

Part A of this Service Bulletin (SB) gives the data and instructions to replace the drag-link RH (Part No. 532.20.12.140) with a new item (Part No. 532.20.12.296) which has no life limit. The mandatory Ultrasonic inspection is no longer required for the new part. The part number of the drag link assembly with the new drag-link RH then becomes Part Number 532.20.12.297.

Part B of this SB gives the procedure to modify the drag link assembly Part Number 532.20.12.297 if the forward attachment holes do not align.

Revision 1 to this SB changes the Part Number of the NLG drag link bolt (Fig. 1, Item 38) and the method to use when you identify the drag link assembly.

Revision 2 to this SB adds the new RH drag link part number (532.20.12.296), the new drag link assembly part number (532.20.12.297) and new parts. The illustration is also corrected to identify item 46.

Revision 3 to this Service Bulletin corrects a washer part number in the kit list. Operators who have already accomplished this Service Bulletin at a previous issue do not need to do further work.

**E. Compliance**

Optional.

**F. Approval**

The technical aspects of this Service Bulletin are 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 can affect the embodiment of this Service Bulletin.

**G. Manpower**

	Total
Preparation	1.5
Changes	4.0
Close up	0.5
<b>TOTAL MAN-HOURS</b>	<b>6.0</b>

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

**H. Weight and Balance****(1) Weight Change**

Not changed.

**(2) Moment Change**

Not changed.

**I. Electrical Load Data**

Not changed.

**J. Software**

Not changed.

**K. References**

Aircraft Maintenance Manual (AMM), 12-A-06-20-00-00A-040A-A, 12-A-07-10-00-00A-901A-A and 12-A-32-30-00-00A-903A-A.

**L. Publications Affected**

AMM.

Illustrated Parts Catalog.

Component Maintenance Manual, 32-20-05.

**M. Interchangeability of Parts**

Pre and Post-SB NLG drag link right parts are not 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 SUPPORT MANAGER,  
CH-6371 STANS,  
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PRODUCT SUPPORT DEPARTMENT  
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**NOTE:** Operators are requested to advise Pilatus Aircraft Ltd, of the Manufacturer's Serial Number (MSN) and the flying hours of aircraft which are affected by this Service Bulletin.