

Service Bulletin No: 32-014

Ref No: 153

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). 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 drag link RH 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.

Revision 4 to this Service Bulletin removes the drag link life limit statement in para 1.D. CSNs updated and minor editorial changes. 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 content of this Service Bulletin is approved under the authority of DOA No. EASA. 21J. 357.

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

G. Copyright and Legal Statement

© Pilatus Aircraft Ltd. This document contains proprietary information that is protected by copyright. All rights are reserved. No part of this document may be copied, reproduced or translated to other languages without the prior written consent of Pilatus Aircraft Ltd.

In connection with the use of this document, Pilatus does not provide any express or implied warranties and expressly disclaims any warranty of merchantability or fitness for a particular purpose. This document contains trade secrets, confidential and/or proprietary information of Pilatus and technical data subject to export control laws and regulations, including the U.S. Export Administration Regulations (EAR). Disclosure or distribution of this document contrary to the EAR, and other laws and regulations, is strictly forbidden. The above restrictions may apply to data on all pages of this document.

H. Manpower

Task	Total
Preparation	1.5
Changes	4.0
Close up	0.5
TOTAL MAN-HOURS	6.0

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

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

Not changed.

(2) Moment Change

Not changed.

J. Electrical Load Data

Not changed.

K. Software

Not changed.

L. References

Aircraft Maintenance Manual (AMM):

12-A-06-20-00-00A-040A-A,

12-A-07-10-00-00A-901A-A

12-A-32-30-00-00A-903A-A.

M. Publications Affected

AMM.

Illustrated Parts Data.

Component Maintenance Manual, 32-20-05.

N. Interchangeability of Parts

Pre and Post-SB NLG drag link right parts are not interchangeable.

2. Material Information**A. Material - Price and Availability**

Operators that require additional information and/or Service Bulletin Material should contact their authorized Pilatus Service Center, or Pilatus Customer Support on www.pilatus-aircraft.com → contact us

NOTE: Part Numbers given in this Service Bulletin are correct at the time of approval. Pilatus Aircraft Ltd. reserves the right to change the part numbers as necessary. Part numbers of items delivered with the Modification Kit are correct when the kit is dispatched. This could lead to differences between those part numbers quoted in this Service Bulletin and the Modification Kit if parts are superseded. Operators are requested to check the IPD for delivered parts which differ from those listed in the Service Bulletin Materials Kit List.