

Service Bulletin No: 32-022

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Modification No: EC-08-0418

ATA Chapter: 32

**LANDING GEAR - BRAKE SYSTEM
MODIFICATION TO REPLACE THE STAINLESS STEEL BRAKE LINES AND SWIVEL JOINTS WITH
FLEXIBLE PRESSURE HOSES****1. Planning Information****A. Effectivity:**

All PC-12, PC-12/45 and PC-12/47 MSNs 101 thru 544 and MSNs 546 thru 888.

All PC-12/47E, MSN 545 and MSNs 1001 thru 1120.

B. Concurrent Requirements

None.

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

Each PC-12 Main Landing Gear (MLG) has an installation of stainless steel brake pipes and swivel joints. In service experience has shown that the swivel joints have leaked. The repair and maintenance to the swivel joints incur increased maintenance costs.

(2) Cause

The relatively complex arrangement of the stainless steel brake pipes and swivel joints has caused the leaks.

(3) Solution

The installation of stainless steel brake pipes and swivel joints is replaced with a simplified installation of flexible pressure hoses. The simplified installation of flexible pressure hoses will reduce in service leaks and therefore reduce maintenance costs.

D. Description

This Service Bulletin gives the instructions and data necessary to:

- (1) Remove the old stainless steel MLG brake pipes and swivel joints.
- (2) Install the new flexible MLG pressure hoses.

Revision 1 - Completely revised to incorporate additional instructions necessary for the installation of the flexible pressure hoses to post Service Bulletin 33-012 Aircraft. This revision also incorporates corrections to references, material lists and illustrations. Customers which have already incorporated this Service Bulletin at a previous revision do not need to do further work.

E. Compliance

Optional.

F. Approval

The technical content of this document is approved under the authority of DOA No. EASA. 21J. 357.

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

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H. Manpower

Task	Total
Modification	4.0
Close up	1.0
TOTAL MAN-HOURS	5.0

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

I. Weight and Balance

Not changed.

J. Electrical Load Data

Not changed.

K. Software

Not changed.

L. References

Aircraft Maintenance Manual (AMM):

NOTE: Throughout this Service Bulletin AMM references are given without the model prefix. For PC-12, PC-12/45 and PC-12/47 aircraft, prefix references with 12-A. For PC-12/47E aircraft, prefix references with 12-B.

20-31-00-00A-070A-A	24-00-00-00A-901A-A	32-30-00-00A-901A-A
32-40-00-00A-902A-A	33-40-00-00A-903A-A	33-40-00-00A-903B-A
33-41-01-00A-920A-A	33-41-01-00A-920B-A	

M. Publications Affected

Illustrated Parts Catalog (IPC).

N. Interchangeability of Parts

Not applicable.

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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General Aviation:
Tel: + 41 41 619 3333
Fax: + 41 41 619 7311
eMail: SupportPC12@pilatus-aircraft.com

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