

SERVICE BULLETIN

SERVICE BULLETIN NO: 32-016

REF NO: 184

MODIFICATION NO:

ATA CHAPTER: 32

LANDING GEAR LANDING GEAR - INSPECTION AND REPLACEMENT OF COMPONENTS

1. Planning Information

A. Effectivity

- (1) PC-12 and PC-12/45 aircraft MSN 101 thru MSN 471 and MSN 473 thru MSN 482.
- (2) All nose landing gear (NLG) assemblies held as spare that have serial numbers which start with the letters AM (P/N: 532.20.12.038 and 532.20.12.039).
- (3) All main landing gear (MLG) assemblies held as spare that have serial numbers which start with the letters AM (P/N: 532.10.12.049 and 532.10.12.050).
- (4) All MLG shock absorber assemblies held as spare that have serial numbers which start with the letters AM (P/N: 532.10.12.175).

B. Concurrent Requirements

Service Bulletins: 32-012 and 32-015.

C. Reason

(1) Problem

It is possible for some components of MLG, NLG and MLG shock absorber assemblies to be defective. The problem is only applicable to specified components installed during the assembly of MLG, NLG and MLG shock absorber assemblies with serial numbers that start with the letters AM.

(2) Cause

It is now known that it is possible for hydrogen embrittlement to occur during the manufacture of the specified components.

(3) Solution

- (a) Do a check to identify NLG, MLG and MLG shock absorber assemblies with serial numbers that start with the letters AM.
- (b) If necessary, replace specified components in all NLG, MLG and MLG shock absorber assemblies which have serial numbers that start with the letters AM.

D. Description

This SB gives the data and instructions necessary to:

- Do checks of the NLG, left and right MLG and the left right MLG shock absorber assemblies Mar 11/04
- Replace specified components as necessary in the NLG, left and right MLGs and the MLG shock absorber assemblies

You must do Part A of this SB. Only do Parts B thru D as necessary if (one or more of) the NLG, left and right MLG and the left and right MLG shock absorber assemblies have serial numbers that start with the letters AM.

E. Compliance

Mandatory.

Required within the next 300 hours time-in-service (TIS) but not later than 12 calendar months after the effective date of this SB

F. Approval

The technical content of this document is approved by the Federal Office for Civil Aviation of Switzerland as an Airworthiness Directive.

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 SB.

G. Manpower

(1) Part A

Check	0.5
TOTAL MAN-HOURS	0.5

(2) Parts B, NLG with serial numbers which start with letters AM

Preparation	1
Disassembly	3
Assembly	8
TOTAL MAN-HOURS	12

NOTE: Man-hours figures do not include the cure time of sealants and other consumables.

SERVICE BULLETIN

- (3) Part C, One (left or right) MLG with a serial number which starts with the letters AM

Preparation	2
Disassembly	1.5
Assembly	2.5
Installation	2
TOTAL MAN-HOURS	8

NOTE: Man-hours figures do not include the cure time of sealants and other consumables.

- (4) Parts D, One (left or right) MLG Shock Absorber with a serial number which starts with the letters AM

Preparation	1
Disassembly	1.5
Assembly	2.5
Installation	1
TOTAL MAN-HOURS	6

NOTE: Man-hours figures do not include the cure time of sealants and other consumables.

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, 07-20-00, 12-20-04, 20-20-01, 32-10-00, 32-10-03, 32-20-00, 32-20-01, 32-30-00, 32-40-01, 32-40-03, 32-50-00, 32-50-01 and 33-40-00.

L. Publications Affected

Not applicable.

M. Interchangeability of Parts

Not applicable.

2. Material Information

A. Material - Price and Availability

Operators must order SB Modification Kits as necessary after incorporation of Part A of this SB.

Operators should send orders for SB Modification Kits, to their Authorized Pilatus Service Center, or to:

PILATUS AIRCRAFT LTD.,
CUSTOMER SUPPORT MANAGER,
CH-6371 STANS,
SWITZERLAND

General Aviation:
Tel: + 41 41 619 6208
Fax: + 41 41 619 7311
eMail: SupportPC12@pilatus-aircraft.com

Government:
Tel: + 41 41 619 6509
Fax: + 41 41 619 6224
eMail: rpaterson@pilatus-aircraft.com

PILATUS BUSINESS AIRCRAFT LTD,
PRODUCT SUPPORT DEPARTMENT
11755 AIRPORT WAY
BROOMFIELD, CO 80021.
UNITED STATES OF AMERICA

Tel: 303 465 9099
Fax: 303 465 6040
e-Mail: Productsupport@PilBal.com

PILATUS AUSTRALIA (Pty.) LTD,
PO BOX 732
MARLESTON SA 5033
AUSTRALIA

Tel: (08) 8234 4433
Fax: (08) 8234 4499
Free Call: 1800 445 007
e-Mail: info@pilatus.com.au

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 SB.