

FOR PLANNING PURPOSES

SERVICE BULLETIN

SERVICE BULLETIN NO: 32-020

REF NO: 209

MODIFICATION NO: EC-06-1061, EC-07-0072

ATA CHAPTER: 32

LANDING GEAR - MAIN LANDING GEAR SPECIAL BOLTS - INSPECTION AND REPLACEMENT

1. Planning Information

A. Effectivity:

- (1) All PC-12, PC-12/45 and PC-12/47 aircraft from MSN 101 up to, and including, MSN 749.
- (2) All Main Landing Gear (MLG) assemblies (P/N 532.10.12.037, P/N 532.10.12.038, P/N 532.10.12.041, P/N 532.10.12.042, P/N 532.10.12.043, P/N 532.10.12.044, P/N 532.10.12.047, P/N 532.10.12.048, P/N 532.10.12.049, P/N 532.10.12.050, P/N 532.10.12.051 and P/N 532.10.12.052) delivered before Dec. 31/06 and held as spare.
- (3) Special bolts P/N 532.10.12.110, P/N 532.10.12.205, P/N 532.10.12.077 and P/N 532.10.12.202 delivered before Dec. 31/06 and held as spare.
- (4) Modification kit numbers 500.50.12.267, 500.50.12.286 and 500.50.12.299 delivered before Dec. 31/06 and held as spare.

B. Concurrent Requirements

None

C. Reason

(1) Problem

It is possible for some bolts of the MLG assemblies to be defective. The problem is only applicable to specific bolts with serial numbers that start with the letters AT or have the supplier code AT. If the bolt is not marked or has a mark other than AT (for example VLG), the bolt is not affected.

(2) Cause

It is known that it is possible for hydrogen embrittlement to occur during the manufacture of the special bolts.

(3) Solution

Unless already accomplished at initial issue of this Service Bulletin, do a check of all special bolts that have serial numbers that start with the letters AT or have the supplier code AT and replace them.

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D. Description

This Service Bulletin gives the data and instructions necessary to check all special bolts that have serial numbers that start with the letters AT or have the supplier code AT which are installed on MLG assemblies, MLG assemblies held as spare, special bolts held as spare and modification kits held as spare, and replace them.

Revision No. 1 of this Service Bulletin is issued to help identify special bolts which are not affected by this Service Bulletin and therefore do not require replacement.

E. Compliance

Mandatory.

Required within the next 100 hours time-in-service or 3 calendar months after the effective date of this Service Bulletin, whichever comes first.

F. Approval

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

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

The following man-hours are given for inspection and replacement for the two MLG assemblies:

	Total	Total
Inspection	0.50	-
Preparation	-	1.00
Replacement	-	2.00
Close up	-	1.00
TOTAL MAN-HOURS	0.50	4.00

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, 20-20-00, 20-20-01, 24-00-00, 29-00-00 and 32-30-00.

L. Publications Affected

None.

M. Interchangeability of Parts

Not applicable.

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2. Material Information - Part B

A. Material - Price and Availability

If replacement of bolt (or bolts) (P/N 532.10.12.110, P/N 532.10.12.205, P/N 532.10.12.077 and P/N 532.10.12.202) is necessary, Operators should send orders for Service Bulletin Modification Kits, to their Authorized Pilatus Service Center or:

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

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
eMail: Productsupport@PilBal.com

PILATUS AUSTRALIA (PTY.) LTD,
17 JAMES SCHOFIELD DRIVE,
ADELAIDE AIRPORT SA 5950,
AUSTRALIA

Tel: (08) 8234 4433
Fax: (08) 8234 4499
Free Call: 1800 445 007
eMail: 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 Service Bulletin.