

FOR PLANNING PURPOSES

SERVICE BULLETIN

SERVICE BULLETIN NO: 32-015

REF NO: 174

MODIFICATION NO:

ATA CHAPTER: 32

LANDING GEAR - MAIN LANDING GEAR INSPECTION OF THE LANDING GEAR ASSEMBLIES AND REPLACEMENT OF THE SHOCK ABSORBER ATTACHMENT BOLTS

1. Planning Information

A. Effectivity

- (1) PC-12 and PC-12/45 aircraft MSN 101 thru MSN 482.
- (2) All main landing gear (MLG) assemblies held as spare that have serial numbers which start with the letters AM. The MLG P/Ns are: 532.10.12.049 and 532.10.12.050.

B. Concurrent Requirements

None

C. Reason

(1) Problem

It is possible for the shock-absorber attachment bolts (special bolts) in some MLG assemblies to be defective. The problem is only applicable to MLG 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 special bolts.

(3) Solution

- (a) Do a check to identify MLG assemblies with serial numbers that start with the letters AM.
- (b) If necessary, replace the special bolts in all MLG assemblies which have serial numbers that start with the letters AM.

D. Description

This Service Bulletin (SB) gives the data and instructions necessary to:

- Do checks of the left and right MLG assemblies.
- Replace the special bolts as necessary in the left and right MLG assemblies

You must do the checks given in Part A (Check) (Ref. Sect 3). It is only necessary to do Part B (Special Bolt Replacement) (Ref. Sect 4) if one or the two MLGs have serial numbers that start with the letters AM.

E. Compliance

Mandatory.

Required within the next 100 hours time-in-service (TIS) or one month after the effective date of this SB, whichever comes sooner, unless already accomplished.

F. Approval

The technical aspects of this SB have been approved by the Federal Office for Civil Aviation (FOCA) 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

	Total	Total
Part A	0.5	0.5
Part B	-	1.0
TOTAL MAN-HOURS	0.5	1.5

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

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), 06-20-00, 07-10-00, 07-20-00, 20-20-00 and 32-30-00.

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 LIAISON MANAGER,
CH-6371 STANS,
SWITZERLAND

General Aviation:
Tel: + 41 41 619 6319
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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 SB