

FOR PLANNING PURPOSES

SERVICE BULLETIN

SERVICE BULLETIN NO: 32-012

REF NO: 144

MODIFICATION NO:

ATA CHAPTER: 32

LANDING GEAR - MAIN LANDING GEAR SPECIAL BOLT ASSEMBLY - REPLACEMENT

1. Planning Information

A. Effectivity

PC-12 and PC-12/45 aircraft MSN 349, MSN 352, MSN 357, MSN 359, MSN 362 thru MSN 365, MSN 367, MSN 369, MSN 371, MSN 375, MSN 377, MSN 380, MSN 384, MSN 385, MSN 388, MSN 390, MSN 391, MSN 393, MSN 401 and MSN 409.

All main landing gear (MLG) assemblies that have serial numbers which start with the letters AM. These MLG assemblies have special bolts with serial numbers which start with the letters AT.

No special bolts held as spare are affected.

B. Concurrent Requirements

None.

C. Reason

(1) Problem

It is possible for the special bolts which connect the hydraulic actuators to the left and right MLG assemblies to break during operation. This problem is only applicable to the special bolts supplied with MLG assemblies which have serial numbers that start with the letters AM.

(2) Cause

The defective special bolts have cadmium coatings which can cause unusual brittleness in steel.

(3) Solution

Replace special bolts which have serial Nos. AT299 or below with special bolts which have serial Nos. AT300, or higher.

D. Description

This Service Bulletin gives the data and instructions necessary to do an inspection of, and if necessary, replace the special bolt assemblies in (left and right) MLG assemblies.

E. Compliance

Mandatory.

Must be incorporated at the next 100 hour inspection but not more than 30 days after the effective date of this Service Bulletin.

F. Approval

The technical aspects of this Service Bulletin are 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 can affect the embodiment of this Service Bulletin.

G. Warranty

Credit will be issued for all affected aircraft, on approval of a warranty claim, provided that the work is accomplished by an authorised Service Center in the specified compliance time (Ref. Sect 1, Para E).

H. Manpower

	Total
Preparation	1.0
Changes	1.0
Close up	1.0
TOTAL MAN-HOURS	3.0

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

I. Weight and Balance

(1) Weight Change

Not affected.

(2) Moment Change

Not affected.

J. Electrical Load Data

Not changed.

K. Software

Not changed.

L. References

Aircraft Maintenance Manual (AMM) 07-10-00, 20-20-00, 20-20-01, 24-00-00, 29-00-00, 32-30-00, 32-10-00 and 32-30-00.

M. Publications Affected

None.

N. Interchangeability of Parts

It is not permitted to install pre-SB 32-012 special bolts (AT299 or below).

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 LIAISON MANAGER,
CH-6371 STANS,
SWITZERLAND

General Aviation:
Tel : + 41 41 619 6319
Fax: + 41 41 619 6224
eMail: pilga@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
eMail: 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
eMail: info@pilatus.com.au

NOTE: 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.