

# SERVICE BULLETIN

SERVICE BULLETIN NO: 32-006

REF NO: 080

MODIFICATION NO:

ATA CHAPTER: 32

## LANDING GEAR - MAIN LANDING GEAR AXLE REPLACEMENT

### 1. Planning Information

#### A. Effectivity

All PC-12 and PC-12/45 aircraft from MSN 101 up to and including MSN 240 which have main landing gears with the Part Numbers 532.10.12.043 (LH) and 532.10.12.044 (RH).

**NOTE:** Including those PC-12 aircraft which have been upgraded to PC-12/45 standard and including those aircraft which have embodied SB 32-005.

This Service Bulletin will be incorporated prior to delivery on aircraft MSN 241 and subsequent.

#### B. Concurrent Requirements

This Service Bulletin supersedes SB No. 32-005

#### C. Reason

##### (1) Problem

A number of failures of the MLG trailing-link safety bolts have (Ref. Fig. 1, Item 8) occurred and some axles have been found corroded (Ref. Fig. 1, Item 7).

##### (2) Cause

The axle has a tendency to bind with the bushes at (extremely) cold temperatures. In addition, proper greasing is not guaranteed.

##### (3) Solution

Replace both axles and safety bolts with modified axles and new safety bolts. At the same time to make sure that the axle is properly greased during the installation.

**NOTE:** If you incorporate this Service Bulletin, you do not need to do the 100 hour axle inspection; but you do if SB 32-005 has been incorporated.

#### D. Description

This Service Bulletin introduces newly-designed MLG axles and larger new safety bolts.

**E. Compliance**

Recommended.

**NOTE:** After embodiment of this Service Bulletin, the Temporary Revision 05-006 (in the AMM) is no longer applicable.

**F. Approval**

The technical aspects of this Service Bulletin have been approved by the Federal Office for Civil Aviation (FOCA) of Switzerland.

**NOTE:** 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**

	Total
Preparation	0.5
Replacement of the Axle	3.0
Close up	0.5
<b>TOTAL MAN-HOURS</b>	<b>4.0</b>

**H. Weight and Balance**

**(1) Weight Change**

Not changed.

**(2) Moment Change**

Not changed.

**I. Electrical Load Data**

Not changed.

**J. Software**

Not changed.

**K. References**

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

Illustrated Parts Catalog (IPC), Chapter 32-10-00.

Component Maintenance Manual (CMM) 32-10-05 (Document Number 02099).

**L. Publications Affected**

Illustrated Parts Catalog (IPC), Chapter 32-10-00.

Component Maintenance Manual (CMM) 32-10-05 (Document Number 02099).

**M. Interchangeability of Parts**

Pre and Post-SB axles are not interchangeable as single units. It is not permitted to install one Pre and one Post-SB on either main landing gear.