

Service Bulletin No: 32-023

Ref No: 254

Modification No: EC-09-0378

ATA Chapter: 32

**LANDING GEAR - NOSE WHEEL STEERING
STEERING ROD RETENTION IMPROVEMENT****1. Planning Information****A. Effectivity:**

PC-12, PC-12/45, PC-12/47 and PC-12/47E aircraft MSN 101 thru 1220.

This modification will be accomplished during production on MSN 1221 and subsequent.

B. Concurrent Requirements

None.

C. Reason**(1) Problem**

In-service reports have shown that the nose wheel steering rod can disconnect from the nose landing gear if the rod end bearing becomes loose or detached from the rod end.

(2) Cause

Release of the bearing from the rod end.

(3) Solution

Install a large retention washer to prevent the bearing becoming completely detached from the rod end.

D. Description

This Service Bulletin gives the data and instructions necessary to install a retention washer to prevent the nose wheel steering rod end disconnecting from the nose landing gear.

E. Compliance

Recommended.

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

	Total
Preparation	0,5 HRS
Removal/Inspection/Installation	1,5 HRS
Close Up	0,5 HRS
TOTAL MAN-HOURS	2,5 HRS

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)

PC-12, PC-12/45, PC-12/47

12-A-07-10-00-00A-901A-A

12-A-20-20-01-00A-040A-A

12-A-20-31-00-00A-070A-A

12-A-32-50-00-00A-903A-A

PC-12/47E

12-B-07-10-00-00A-901A-A

12-B-20-20-01-00A-040A-A

12-B-20-31-00-00A-070A-A

12-B-32-50-00-00A-903A-A

L. Publications Affected

AMM, IPC.

M. Interchangeability of Parts

The new large washer (P/N 532.50.12.065) must only be installed if a new steering rod end (P/N 532.20.12.239) is installed. The superseded steering rod end has small machined protrusions which may foul the large washer at its travel extremes.

2. Material Information**A. Material - Price and Availability**

Pilatus advise that the standard lead times for the material needed in this Service Bulletin may be up to 2 months.

Operators should send orders for Service Bulletin 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 3333
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: + 1 303 465 9099
Fax: + 1 303 465 6040
eMail: Productsupport@PilBal.com

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

Tel: + 61 8 8234 4433
Fax: + 61 8 8234 4499
Free Call: 1800 445 007
eMail: SupportPC12@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.

B. Warranty

Not applicable.

C. Material Necessary for Each Aircraft