

SERVICE BULLETIN

SERVICE BULLETIN NO: 32-017

REF NO: 187

MODIFICATION NO:

ATA CHAPTER: 32

LANDING GEAR - MAIN LANDING GEAR ACTUATOR REPLACEMENT

1. Planning Information

A. Effectivity

PC-12 and PC-12/45 aircraft MSN 101 thru MSN 560 which have main landing gear (MLG) actuators (actuators) P/N: 960.30.01.103 with Serial Numbers 830E thru 881E installed.

Actuators (960.30.01.103) with Serial Numbers 830E thru 881E held as spare.

B. Concurrent Requirements

None

C. Reason

(1) Problem

Some components of MLG actuators (960.30.01.103) with Serial Numbers 830E thru 881E are known to have had incorrect heat treatment during manufacture. Components in this condition can decrease the specified fatigue life of the actuators.

Actuators (960.30.01.103) with Serial Numbers 830E thru 881E where installed in aircraft MSN 482 thru MSN 509 during manufacture. It is possible that these components could have been removed and then installed in other PC-12 or PC-12/45 aircraft.

(2) Solution

Replace actuators with Serial Numbers 830E thru 881E.

D. Description

This Service Bulletin gives the data and instructions necessary to replace actuators with Serial Numbers 830E thru 881E.

E. Compliance

Mandatory

Required before the actuators have completed 1000 flight hours but not later than 12 months from the issue date of the initial Service Bulletin.


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F. Approval

The technical content of this document is approved by the Federal Office for Civil Aviation 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 Service Bulletin.

G. Manpower

	Total
Removal	1.0
Installation	1.0
Test	1.0
TOTAL MAN-HOURS	3.0

The man-hours are given for the replacement of one actuator assembly.

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), 32-30-01.

Illustrated Parts Catalogue, 32-30-00.

L. Publications Affected

Not affected.

M. Interchangeability of Parts

Not applicable.

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2. Material Information

A. Material - Price and Availability

Not applicable. Modification Kit not necessary.

Operators are requested to advise Pilatus Aircraft Ltd, of the Manufacturer's serial Number (MSN) and the flying hours of the aircraft which are affected by this SB.

B. Material Necessary for Each Aircraft

(1) Material to be Procured

Not applicable. Modification kit not necessary.

(2) Additional Material to be Procured

New Part No.	Description	Old Part No.	Qty	Disp. Code	Fig	Item
960.30.01.103	Actuator - MLG	960.30.01.103	1	R	N/A	N/A

Disposition Codes: D - Discard / R - Return to Pilatus

NOTE: The replacement part will be an actuator (960.30.01.103) with a serial number other than 830E thru 881E.

(3) Operator Supplied Materials

Not applicable.

C. Warranty

Credit will be issued for all aircraft on the approval of a warranty provided the:

- Work is accomplished by an authorized Service Center within 12 months from the issue date of the initial Service Bulletin
- PILATUS receives the removed component/s


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3. Accomplishment Instructions - Aircraft

A. Inspection

- (1) Do an inspection of the aircraft records or (if necessary) the left and right actuators (960.30.01.103) to identify the component serial numbers. You must replace actuators with Serial Numbers 830E thru 881E (Ref. Para B).

B. Replacement

Steps (1) thru (3) are only applicable if you found an actuator with a Serial Number of 830E thru 881E in Para A.

- (1) Remove the actuator (960.30.01.103) (Ref. AMM, 32-30-01, Page Block 401).
- (2) Send the actuator (960.30.01.103) to PILATUS.
- (3) Install the replacement actuator (960.30.01.103) (Ref. AMM, 32-30-01, Page Block 401).

C. Documentation

Make an entry in the Aircraft Logbook that this Service Bulletin has been incorporated.

4. Accomplishment Instructions - Spares

A. Inspection

- (1) Do an inspection of the spares records or (if necessary) the actuators (960.30.01.103) held as spares to identify the component serial numbers. You must remove all actuators with Serial Numbers 830E thru 881E from storage.
- (2) Send all actuators with Serial Numbers 830E thru 881E to PILATUS.

B. Documentation

Make an entry in the spare parts inventory list that this modification has been incorporated.