

Service Bulletin No: 32-027
Ref No: 388
Modification No: EC-18-0835
ATA Chapter: 32
LANDING GEAR - MAIN GEAR AND DOORS - REPLACEMENT OF SPRING PACK ASSEMBLIES, PART NUMBER 532.34.12.101
1. Planning Information
A. Effectivity

All PC-12/47E aircraft with electro mechanical landing gear, MSN 1300, MSN 1451 and up with spring pack assemblies P/N 532.34.12.101 installed. Spring pack assemblies P/N 532.34.12.101 held as spares.

B. Concurrent Requirements

None.

C. Reason
(1) Problem

Cases of seized Main Landing Gear (MLG) spring pack assemblies P/N 532.34.12.101 have been reported. A seized spring pack assembly may cause MLG extension or retraction difficulties.

MSNs with spring pack assemblies P/N 532.34.12.101 originally installed at Pilatus are listed in the following table:

Originally installed on MSN	Spring pack assembly installed (LH / RH)	Originally installed on MSN	Spring pack assembly installed (LH / RH)	Originally installed on MSN	Spring pack assembly installed (LH / RH)
1451	LH / RH	1465	LH / RH	1479	LH / RH
1452	LH / RH	1466	LH / RH	1480	LH / RH
1453	LH / RH	1467	LH / RH	1481	LH / RH
1454	LH / RH	1468	LH / RH	1482	LH / RH
1455	LH / RH	1469	LH / RH	1484	- / RH
1456	LH / RH	1470	LH / RH	1485	- / RH
1457	LH / RH	1471	LH / RH	1486	- / RH
1458	LH / RH	1472	LH / RH	1487	LH / -
1459	LH / RH	1473	LH / RH	1488	- / RH
1460	LH / RH	1474	LH / RH	1489	LH / RH
1461	LH / RH	1475	LH / RH	1490	LH / RH
1462	LH / RH	1476	LH / RH	1491	LH / RH
1463	LH / RH	1477	LH / RH	1497	LH / RH
1464	LH / RH	1478	LH / RH	1499	LH / RH

(2) Solution

Inspect the MLG spring pack assemblies to determine the part numbers. Replace spring pack assemblies P/N 532.34.12.101 with spring pack assemblies P/N 532.34.12.120.

D. Description

This Service Bulletin gives the data and instructions to inspect the spring pack assemblies part numbers, and if necessary, replace affected units.

E. Compliance

Mandatory.

Required not later than 31 April 2019.

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 designated Airworthiness Authority for any changes, local regulations or sanctions that may affect the embodiment of this Service Bulletin.

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H. Manpower

Description	Man hours Part A / each	Man hours Part B / each
Preparation	0.1	-
Replacement	1.8	-
Inspection	-	0.1
Close up	0.1	-
TOTAL MAN-HOURS	2.0	0.1

I. Weight and Balance

Not changed.

J. Electrical Load Change Data

Not changed.

K. Software

Not changed.

L. References

Aircraft Maintenance Manual (AMM)

12-B-20-31-00-00A-070A-A 12-B-24-00-00-00A-901A-A 12-B-32-10-06-00A-920A-A

M. Publications Affected

None.

N. Interchangeability of Parts

Not applicable.

2. Material Information

A. Material - Price and Availability

Operators that require additional information and/or Service Bulletin Material should contact their authorized Pilatus Service Center, or Pilatus Customer Support on www.pilatus-aircraft.com → contact us

B. Warranty

Spare parts for replacement under 3.B and 4.A will be supplied free of charge for all affected spring pack assemblies P/N 532.34.12.101 listed under 1.C.(1), provided that the work is accomplished by an authorized Service Center not later than 31 April 2019.

Credit for labor will be issued for Part A (refer to paragraph 1.H.) on approval of a warranty claim, provided that the work is accomplished by an authorized Pilatus Service Center.

C. Material Necessary for Each Aircraft

NOTE: Part Numbers given in this Service Bulletin are correct at the time of approval. Pilatus Aircraft Ltd. reserves the right to change the part numbers as necessary. Part numbers of items delivered are correct when dispatched. This could lead to differences between those part numbers quoted in this Service Bulletin and the items delivered if parts are superseded. Operators are requested to check the IPD for delivered parts which differ from those listed in the Service Bulletin Materials List.

(1) Material to Order From Pilatus to Replace the Existing Spring Pack Assemblies

New Part No.	Description	Old Part No.	Qty	Disp. Code	Fig	Item
532.34.12.120	SPRING PACK ASSEMBLY	532.34.12.101	AR	D	-	-

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

(2) Operator Supplied Materials, AMM 12-B-20-31-00-00A-070A-A

Material No.	Description	Qty	Remarks
P01-010	SOLVENT	AR	Or equivalent
P02-031	ABSORBENT PAPER	AR	Or equivalent

3. Accomplishment Instructions - Part A - Aircraft

NOTE: These procedures are applicable for the spring pack assembly installed in the LH and RH MLG assembly.

A. Preparation

- (1) De-energize the aircraft electrical system, refer to AMM 12-B-24-00-00-00A-901A-A.
- (2) Open and install a safety clip on the circuit breaker:

LDG GEAR POWER (RH POWER JUNCTION BOX).
- (3) If necessary, use absorbent paper (Mat. No. P02-031) made moist with solvent (Mat. No. P01-010) to clean the spring pack assembly so that the part identification label is readable.
- (4) Inspect the MLG spring pack assembly to determine the part number of the unit.
- (5) If the spring pack assembly is not P/N 532.34.12.101, do Step 3.C. Close Up.
- (6) If the spring pack assembly is P/N 532.34.12.101, do Step 3.B. Replacement.

B. Replacement

- (1) Remove the spring pack assembly P/N 532.34.12.101, refer to AMM 12-B-32-10-06-00A-920A-A.
- (2) Install a replacement spring pack assembly P/N 532.34.12.120, refer to AMM 12-B-32-10-06-00A-920A-A.
- (3) Make sure that the work area is clean and clear of tools and other items.
- (4) Discard all spring pack assemblies with P/N 532.34.12.101.

C. Close Up

- (1) Remove the safety clip and close the circuit breaker:

LDG GEAR POWER (RH POWER JUNCTION BOX).

D. Documentation

- (1) Make an entry in the Aircraft Logbook that this Service Bulletin is incorporated.

4. Accomplishment Instructions - Part B - Units Held as Spare**A. Inspection**

- (1) Inspect the MLG spring pack assemblies to determine the part numbers of the units.
- (2) If the spring pack assemblies are not P/N 532.34.12.101, no further action is necessary.
- (3) Discard all spring pack assemblies with P/N 532.34.12.101.

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