

Service Bulletin No: 21-009

Ref No: 213

Modification No: EC-07-0476

ATA Chapter: 21

**AIR CONDITIONING - PRESSURIZATION CONTROL
CABIN PRESSURE SWITCHES - MODIFICATION****1. Planning Information****A. Effectivity:**

For Cabin Altitude Switches (P/N 965.23.21.531):
All PC-12 and PC-12/45 aircraft from MSN 101 thru MSN 849.
Aircraft MSN 850 and subsequent embodied in production.

For Cabin Differential Pressure Switches (P/N 965.23.21.532):
All PC-12 and PC-12/45 aircraft from MSN 101 thru MSN 850, and MSN 852, 853 and 856.
Aircraft MSN 851, 854, 855, 857 and subsequent embodied in production.

All Cabin Altitude Switches (P/N 965.23.21.531) held as spares.
All Cabin Differential Pressure Switches (P/N 965.23.21.532) held as spares.

B. Concurrent Requirements

None

C. Reason**(1) Problem**

It is possible for the upper switching points of the Cabin Altitude Switch and the Cabin Differential Pressure Switch to be out of limits.

(2) Cause

The switches are both installed on the ground maintenance panel with a nut and lockwasher. It was found that when the nut is tightened, pressure is applied to the casing of the switch. This pressure can cause a small deformation of the casing which causes the fault.

(3) Solution

Install a threaded ring on the switch to prevent pressure on the casing when the switch is installed.

D. Description

This Service Bulletin gives the data and instructions necessary to install threaded rings on the two switches. The Accomplishment Instructions - Aircraft is divided in two parts:

- Part A, for the Cabin Pressure Switch
- Part B, for the Cabin Differential Pressure Switch

You can do Part A only, or Part B only, or Part A and B at the same time, as required.

Revision 1 to this Service Bulletin removes reference to a new placard. Instructions are now given to re-identify modified pressure switches. Operators who have accomplished this Service Bulletin at a previous issue do not need to do further work.

E. Compliance

Recommended.

The installed pressure switches are tested every 5 years. If a switch fails the test it is recommended to do this modification and do the test again. This can prevent unnecessary replacement of a pressure switch. It is not required to do the modification on serviceable pressure switches.

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. Copyright

© Pilatus Aircraft Ltd. This document contains proprietary information that is protected by copyright. All rights are reserved. No part of this document may be copied, reproduced or translated to other languages without the prior written consent of Pilatus Aircraft Ltd.

H. Manpower

(1) Aircraft - Part A

	Total
Removal	0.50
Modification	0.25
Installation	1.00
TOTAL MAN-HOURS	1.75

(2) Aircraft - Part B

	Total
Removal	1.50
Modification	0.25
Installation	3.00
TOTAL MAN-HOURS	4.75

(3) Spares

	Total
Modification	0.25
TOTAL MAN-HOURS	0.25

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: 21-30-07, 21-30-08.

M. Publications Affected

Aircraft Maintenance Manual: 21-30-07, 21-30-08.
Illustrated Parts Catalog: 21-30-00.

N. Interchangeability of Parts

Pre and Post SB 21-009 Pressure Switches are not interchangeable.

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 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: 303 465 9099
Fax: 303 465 6040
eMail: Productsupport@PilBal.com

PILATUS AUSTRALIA (Pty.) LTD.,
17 James Schofield Drive,
Adelaide Airport SA 5950,
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.

B. Warranty

Not applicable.