

FOR PLANNING PURPOSES

SERVICE BULLETIN

SERVICE BULLETIN NO: 21-001- Rev 1

REF NO: 009

MODIFICATION NO: 960130

ATA CHAPTER: 21

PRESSURE CONTROL SYSTEM INSTALLATION - SOLENOID VALVE

1. Planning Information

A. Effectivity

- (1) PC-12 aircraft from MSN 101 to 140. On aircraft with MSN 141 to 153 only the diode must be installed.
- (2) This Service Bulletin (Rev. 1) has been incorporated, by PILATUS, on the following aircraft MSN 116, 145, 149, 151 - 160. From MSN 161 it is a standard practice.

B. Reason

- (1) To reduce the abrupt change in cabin pressure which is experienced when the cabin air supply is selected ON and OFF and to simplify the system.
- (2) During investigation of the Post-SB configuration, it was found that by adding a diode (P/N: 980.71.10.101) into the CABIN SAFETY solenoid valve circuit gives a reduced electro-magnetic interference which had been effecting the engine starting system by tripping the starter relay when starting in the FLIGHT IDLE position.

NOTE: This could lead to damage of the engine (hot start) during starting.

C. Description

Accomplishment of this Service Bulletin consists of completing the following tasks:

- (1) Interim solution - Disconnection of the CABIN OUTFLOW solenoid valve (Ref. IPC 21-30-00, Fig. 03, Item 70).
- (2) Install a diode, in the CABIN SAFETY solenoid valve circuit.
- (3) Final solution - Removal of the CABIN OUTFLOW solenoid valve and completing the system with a length of plastic piping.

NOTE: If this Service Bulletin is adopted, and Step (1) has been completed, then Step (3) must be performed before/or at the next annual inspection.

D. Compliance

Optional:

NOTE: If a PC-12 Operator has previously complied with the original issue of this Service Bulletin, or portions thereof, the compliance with the additional portions of this revision are Highly Recommended..

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E. 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

F. Manpower

Task	Man-hours
Disconnection of Solenoid Valve	1.0
Removal of Solenoid Valve.	8.0
Installation of Diode	0.5
Total Man-hours	9.5

G. Material - Cost and Availability

(1) Material

Operators should contact your Authorized PILATUS PC-12 Service Center or contact:

PILATUS AIRCRAFT LTD,
CUSTOMER LIAISON MANAGER
CH 6371 STANS,
SWITZERLAND.

Tel No: +41 41-6196 233
Fax No: +41 41-6103 351

for any further information concerning this Service Bulletin

NOTE: Operators are requested to advise Pilatus Aircraft Ltd. of the Manufacturers Serial Number (MSN) and the flying hours of aircraft which are allocated for this Service Bulletin.

(2) Cost and Availability