

<b>Bundesamt für Zivilluftfahrt (BAZL)</b> <b>Office fédéral de l'aviation civile (OFAC)</b> <b>Ufficio federale dell'aviazione civile (UFAC)</b> <b>Federal Office for Civil Aviation (FOCA)</b> Maulbeerstrasse 9 CH-3003 Berne Switzerland	<b>Lufttüchtigkeitsanweisung (LTA)</b> <b>Consigne de Navigabilité (CN)</b> <b>Prescrizione di Aeronavigabilità (PA)</b> <b>Airworthiness Directive (AD)</b>	FOCA AD  <b>HB 2003-301</b>
Inkraftsetzung Mise en vigueur Entrata in vigore Effective Date	<b>PILATUS - PC-12</b>  FOCA TC/TCDS No.: F 56-30 ATA 28	

**URGENT- IMMEDIATE ACTION REQUIRED**

**TITLE:                   PILATUS AIRCRAFT LTD. – PC-12  
FUEL BOOSTER PUMP WIRING – INSPECTION / MODIFICATION**

**APPLICABILITY:**

**PILATUS AIRCRAFT LTD.**

All PC-12 and PC-12/45 airplanes,  
Manufacturers Serial Numbers (MSN) 101 thru MSN 520 with fuel booster pump Part Number (P/N) 968.84.11.401, 968.84.11.403 or 968.84.11.404 installed.

**REASON:**

On installation of the fuel booster pump it is possible for the electrical cables to get caught between the booster pump fuel outlet and the fuel pipe that connects to the pump. Damage can then be caused to the electrical cables when the pump attachment screws are tightened. This could possibly cause electrical arcing when the wires get in an air/fuel mixture, which could result in a fire or explosion of a fuel tank.

This Airworthiness Directive (AD) requires revising the Pilot's Operating Handbook (POH) and Aircraft Maintenance Manual (AMM), inspection and modification of the fuel booster pumps leads and replacement of the booster pump, as required.

**COMPLIANCE:**

Required as indicated below, unless already accomplished:

**(a) POH AND AMM REVISION**

- (1) Prior to further flight after the effective date of this AD; insert the PILATUS PC-12 Pilot's Operating Handbook (POH) Temporary Revision No. 7 (Report No: 02211) or No. 37 (Report No: 01973-001) in the applicable POH, and operate the aircraft accordingly.
- (2) Prior to next maintenance procedure after the effective date of this AD; insert the PILATUS PC-12 Aircraft Maintenance Manual Temporary Revision (AMM TR) No. 12-03 (AMM 12-10-01) and AMM TR No. 28-02 (AMM 28-20-04) in the applicable section of the Aircraft Maintenance Manual.

**(b) INSPECTION / MODIFICATION / REPLACEMENT**

**Within the next 100 hours time-in-service (TIS) or six calendar-months, whichever occurs first, after the effective date of this AD:**

- (1) Perform an inspection to determine the Part Number (P/N) of the fuel booster pump. If a fuel booster pump having P/N: 968.84.11.401 is found installed; replace the fuel booster pump with a fuel pump modified to the latest standard.
- (2) If a fuel booster pump having P/N: 968.84.11.403 or P/N: 968.84.11.404 is found installed; inspect the fuel booster pump leads for defects in accordance with PILATUS PC-12 Service Bulletin No. 28-011 Revision 1, dated 11 July 2003.

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- (3) If during the inspection required by paragraph (b)(2) of this AD any defects are found; prior to further flight, replace the fuel booster pump with a fuel pump modified to the latest standard.
- (4) If during the inspection required by paragraph (b)(2) of this AD no defects are found, modify the fuel booster pump P/N: 968.84.11.403 or 968.84.11.404 by installing the lead protection using a spiral wrap as specified in and in accordance with the Accomplishment Instructions of PILATUS PC-12 Service Bulletin No. 28-011 Revision 1, dated 11 July 2003.
- (5) Reidentify the fuel booster pump P/N: 968.84.11.403 or 968.84.11.404 by adding the suffix letter "B" adjacent to the Serial Number on the fuel pump identification plate in accordance with PILATUS PC-12 Service Bulletin No. 28-011 Revision 1.
- (6) Modification of the fuel booster pump accomplished in accordance with paragraph (b) (4) constitutes terminating action for the POH revision required by paragraph (a)(1) of this AD. Following such modification, the POH Temporary Revision No. 7 (Report No: 02211) or No. 37 (Report No: 01973-001) may be removed.

**(c) SPARE PARTS:**

As of the effective date of this AD, no person shall install any:

- Fuel booster pump having P/N: 968.84.11.401 on any Model PILATUS PC-12 Series airplane.
- Fuel booster pump having P/N: 968.84.11.403 or P/N: 968.84.11.404, on any Model PILATUS PC-12 Series airplane, unless the fuel booster pump has been inspected, modified, reidentified and installed in accordance with PILATUS PC-12 Service Bulletin No. 28-011 Revision 1, dated 11 July 2003 or later revisions approved by the Swiss Federal Office for Civil Aviation (FOCA).

**(d) REF. PUBLICATIONS:**

The actions required by this AD shall be done in accordance with the manufacturer's documentation listed in this paragraph, and/or later revisions approved by the Swiss Federal Office for Civil Aviation (FOCA):

- PILATUS PC-12 Service Bulletin No. 28-011 Revision 1, dated 11 July 2003.
- PILATUS PC-12 Pilot's Operating Handbook (POH) Temporary Revision No. 7 (Report No: 02211) and/or POH Temporary Revision No. 37 (Report No: 01973-001), both dated 06 June 2003.
- PILATUS PC-12 Maintenance Manual Temporary Revision No. 12-03 (AMM 12-10-01), dated 06 June 2003.
- PILATUS PC-12 Maintenance Manual Temporary Revision No. 28-02 (AMM 28-20-04), dated 06 June 2003.

The applicable manufacturer's documentation may be obtained directly from:

**PILATUS AIRCRAFT LTD**

CUSTOMER LIAISON MANAGER  
CH-6371 STANS, Switzerland

TEL No.: +41 41 619 6319

FAX No.: +41 41 619 6224

Email: [pilga@pilatus-aircraft.com](mailto:pilga@pilatus-aircraft.com)

**FOR FURTHER INFORMATION CONTACT:**

FEDERAL OFFICE FOR CIVIL AVIATION (FOCA)  
Type Certification (MZ)  
Maulbeerstrasse 9  
CH-3003 Berne, Switzerland

FAX No.: +41 31 325 8051 (or)

FAX No.: +41 31 322 5918

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