

Bundesamt für Zivilluftfahrt (BAZL) Office fédéral de l'aviation civile (OFAC) Ufficio federale dell'aviazione civile (UFAC) Federal Office for Civil Aviation (FOCA) Maulbeerstrasse 9 CH-3003 Berne Switzerland	Lufttüchtigkeitsanweisung (LTA) Consigne de Navigabilité (CN) Prescrizione di Aeronavigabilità (PA) Airworthiness Directive (AD)	FOCA AD HB-2004-400
Inkraftsetzung Mise en vigueur Entrata in vigore Effective Date	PILATUS - PC-7 Mk.II FOCA TC/TCDS No: F56-25 ATA 28 – FUEL	

Issue date: 05 November 2004

Subject: FUEL BOOSTER PUMP WIRING – INSPECTION / MODIFICATION

Superseded/Revised ADs: Not applicable

1. APPLICABILITY:

PILATUS AIRCRAFT LTD.

Model PC-7 Mk.II airplanes Manufacturer's Serial Numbers (MSN) 010, MSN 101 thru MSN 160 inclusive, MSN 601 thru MSN 604 inclusive, and MSN 608 thru MSN 616 inclusive with fuel booster pump Part Number (P/N) 968.84.11.401, 968.84.11.403 or P/N 968.84.11.404 installed.

2. 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 Aircraft Maintenance Manual (AMM), inspection and modification of the fuel booster pumps leads and replacement of the booster pump, as required.

3. COMPLIANCE / ACTION:

Required as indicated below, unless already accomplished:

3.1. MAINTENANCE MANUAL REVISION

Prior to next maintenance procedure after the effective date of this AD:

3.1.1. Insert the Aircraft Maintenance Manual Temporary Revision (AMM TR) „*New defuel procedure*“ and the AMM TR „*Amended fuel booster pump removal/installation procedure*“ as referenced in paragraph 5 of this AD in the applicable sections of the concerned Aircraft Maintenance Manuals.


3.2. INSPECTION / MODIFICATION / REPLACEMENT

Within the next 50 hours time-in-service (TIS) or three (3) calendar-months, whichever occurs first, after the effective date of this AD:

3.2.1. 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, 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-7 Mk.II Service Bulletin No. 28-006 Revision 1, dated 04 November 2004.

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- 3.2.2. If during the inspection required by paragraph 3.2.1 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.
- 3.2.3. If during the inspection required by paragraph 3.2.1 of this AD no defects are found; modify the fuel booster pump P/N: 968.84.11.401, P/N: 968.84.11.403 or P/N: 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-7 Mk.II Service Bulletin No. 28-006 Revision 1, dated 04 November 2004.
- 3.2.4. Reidentify the fuel booster pump P/N: 968.84.11.401, 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-7 Mk.II Service Bulletin No. 28-006 Revision 1, dated 04 November 2004.

4. PARTS INSTALLATION

- 4.1.1. As of the effective date of this AD, no person shall install any fuel booster pump having P/N: 968.84.11.401, P/N: 968.84.11.403 or P/N: 968.84.11.404, on any Model PILATUS PC-7 Mk.II airplane, unless the fuel booster pump has been inspected, modified, reidentified and installed in accordance with PILATUS PC-7 Mk.II Service Bulletin No. 28-006 Revision 1, dated 04 November 2004, or later revisions approved by the Swiss Federal Office for Civil Aviation (FOCA).

5. 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):

Manufacturer's Documentation

Service Bulletin

- PILATUS PC-7 Mk.II Service Bulletin No. 28-006 Revision 1, dated 04 November 2004.

Aircraft Maintenance Manual Temporary Revisions

- PILATUS PC-7 Mk.II Maintenance Manual Temporary Revision No. 12-01 (AMM 12-10-01), dated 30 September 2003.
- PILATUS PC-7 Mk.II Maintenance Manual Temporary Revision No. 28-01 (AMM 28-20-03), dated 23 July 2004.

or

- PILATUS ASTRA Maintenance Manual Temporary Revision No. 12-04 (AMM 12-10-01), dated 30 September 2003.
 - PILATUS ASTRA Maintenance Manual Temporary Revision No. 28-01 (AMM 28-20-03), dated 23 July 2004.
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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 6509
FAX No.: +41 41 619 6170
E-Mail: rpaterson@pilatus-aircraft.com

6. FOR FURTHER INFORMATION CONTACT:

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

FAX No.: +41 31 325 9324 (or)
FAX No.: +41 31 322 5918

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