

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 2001-505
Inkraftsetzung Mise en vigueur Entrata in vigore Effective Date	PILATUS - PC-7 FOCA TC/TCDS No.: F 56-20 ATA 28	

TITLE: **PILATUS AIRCRAFT LTD. – PC-7
ENGINE DRIVEN FUEL PUMP-RELIEF VALVE BODY SCREWS**

APPLICABILITY: PILATUS AIRCRAFT LTD.
(1) All PC-7 aircraft from MSN 101 thru MSN 618 with Engine Driven Pump (EDP) Lear Romec Part Number RG9570M1, PILATUS Part Number 968.84.51.105 installed.
(2) All EDPs with Lear Romec Part Number RG9570M1, PILATUS Part Number 968.84.51.105 held as spare.

NOTE:
EDPs with Lear Romec Part Number RG9570M1/M, PILATUS Part Number 968.84.51.107 are not affected.

EFFECTIVE DATE: 05 September 2001

REASON:

This Airworthiness Directive (AD) is prompted by an instance of fuel leakage on the Engine Driven Fuel Pump (EDP). It has been found that the torque of the screws that attach the EDP relief-valve cover to the relief valve housing is not correct. It is also possible that the gasket of the EDP can extrude between the relief valve housing and the EDP housing, due to compression set of gasket and diaphragm after operational thermal cycling, relieving the torque on the relief valve attachment screws. This could result in a fire hazard.

In order to correct the condition described this Airworthiness Directive requires torque check inspection of the EDP relief-valve-cover screws, inspection of the EDP for signs of fuel leakage or extruded gasket material and replacement of the EDP if necessary.


COMPLIANCE: (Required as indicated, unless already accomplished)

(a) Required within the next 20 hours time-in-service (TIS) or 30 days after the effective date of this AD, whichever occurs first;

- (1) Inspect the joints between the EDP housing, relief valve housing and the relief-valve cover for signs of fuel leakage and/or extruded gasket material.
- (2) If during the inspection required by paragraph (a)(1) of this AD signs of fuel leakage and/or extruded gasket material is found; prior to further flight, remove the applicable EDP and install unit with new Part Number 968.84.51.107 (Lear Romec Part Number RG 9570M1/M).
- (3) If no signs of fuel leakage or extruded gasket material is found, perform torque check inspection of the relief-valve cover screws. If the torque does not meet the specifications, tighten screws to the required torque as specified in and in accordance with the Accomplishment Instructions of PILATUS PC-7 Service Bulletin No. 28-006, dated August 10, 2001 or later revisions approved by the Swiss Federal Office for Civil Aviation (FOCA).

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(b) Spare Parts:

As of the effective date of this AD, no person shall install any Engine Driven Fuel Pump (EDP) with Lear Romec Part Number RG9570M1, PILATUS Part Number 968.84.51.105, on any Model PILATUS PC-7 airplane.

REF. PUBLICATIONS:

- PILATUS PC-7 Bulletin No. 28-006, dated August 10, 2001 or later revisions approved by the Swiss Federal Office for Civil Aviation (FOCA).

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 (Government)
FAX No.: +41 41 610 3351

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

Superseded by
FOCA AD
HB 2003-392

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