



Lufttüchtigkeitsanweisung (LTA) Consigne de Navigabilité (CN) Direttive sulla Navigabilità (DN) Airworthiness Directive (AD)		FOCA AD HB-2009-010
Inkraftsetzung Mise en vigueur Entrata in vigore Effective Date	16 September 2009	Pilatus – PC-9(M) FOCA TC/TCDS No: F 56-32

Issue Date:	02 September 2009
ATA Chapter:	ATA 46 – Information Systems
Subject:	Information Systems – Primary Flight Display – Replacement
Supersedure / Revised AD(s):	Not applicable
Type Certificate Holder's Name:	Pilatus Aircraft Ltd.
Manufacturer(s):	Pilatus Aircraft Ltd.
Applicability:	Model PC-9(M) aircraft, Manufacturer Serial Numbers (MSN) 655 through MSN 670 inclusive.
Reason:	<p>This Airworthiness Directive (AD) is prompted by reported incorrect flap position indication on the Primary Flight Display (PFD). Investigation revealed that the microswitch on the flap actuator, that controls take-off position and indication, had a broken spring. At the moment, the PFD has a priority logic implemented for a multiple flap input, which can cause, together with a broken microswitch, an incorrect flap position indication.</p> <p>Such a condition, if left uncorrected, could lead to incorrect flap position and indication which may be undetected by the pilot. This can lead to:</p> <ul style="list-style-type: none"> - an unexpected increase of the required take-off length. - an unexpected increase of stall speed with potential loss of control of the aircraft. <p>In order to correct and control the situation, this AD requires a PFD software upgrade which implements a new logic. The new logic will be that if two or more flap inputs to the PFD are active, the flap indication on the PFD will be displayed in red.</p>
Required actions(s) and Compliance Time(s):	<p>Required as indicated below, unless already accomplished:</p> <ol style="list-style-type: none"> 1) Within 3 months after the effective date of this AD, remove the PFD units Part Number (P/N) 975.96.32.722 in accordance with the accomplishment instructions of paragraph (§) 3.A.(4) of PILATUS PC-9(M) Service Bulletin (SB) No. 46-001. 2) Install the modified PFD units P/N 975.96.32.731 in accordance with the accomplishment instructions of § 3.B. and C. of PILATUS PC-9(M) SB No. 46-001.

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- 3) After the effective date of this AD, no person shall install a PFD unit P/N 975.96.32.722 on any post SB No. 46-001 aircraft as defined in the applicability paragraph.

Ref. Publication(s): PILATUS PC-9(M) Service Bulletin No. 46-001, initial issue.

The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.

For further information contact: The applicable manufacturer's documentation may be obtained directly from:

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