

<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 2001-070</b>
Inkraftsetzung Mise en vigueur Entrata in vigore Effective Date	<b>PILATUS - PC-12</b>  FOCA TC/TCDS No.: F 56-30 ATA 27	Supersedes HB 2001-005

**TITLE:** **PILATUS AIRCRAFT LTD. – PC-12  
FLAP CONTROL WIRING - Modification**

**APPLICABILITY:** PILATUS AIRCRAFT LTD.  
All PC-12 and PC-12/45 airplanes from Manufacturer Serial Numbers MSN 101 up to and including MSN 400.

**EFFECTIVE DATE:** **February 12, 2001**

**REASON:**

This Airworthiness Directive (AD) supersedes existing AD HB 2001-005, that currently requires the amendment of the PC-12 Pilot's Operating Handbook (POH/AFM), with a Temporary Revision. FOCA AD HB 2001-005 was prompted after functional tests during flap system maintenance, where it was found that certain failures of the flap system Primary Drive Unit (PDU) motor contactor could result in uncommanded cycling of the flaps between the 40° and selected position except at the 0° position. Investigation revealed that current surges were being generated due to the Motor coil power being removed after the Field coil power is removed or reversed. These surges can cause the contactor to fail closed, which could cause cycling of the flaps.

The present AD HB 2001-070 retains the requirement of amending the POH/AFM with a Temporary Revision and as a terminating action the installation of a PDU field control panel and modification of the flap control wiring.

**COMPLIANCE:** ( Required as indicated, unless already accomplished )

To prevent uncommanded flap movements which could result in a hazardous condition ; accomplish the following:

**(a) Prior to further flight after January 10, 2001 (The effective date of FOCA AD HB 2001-005);**

- (1) Insert Temporary Revision No.: 32 in the PC-12 Pilot's Operating Handbook (POH/AFM), and operate the aircraft accordingly.


**(b) Within the next 50 hours time-in-service (TIS) or 30 days after the effective date of this Airworthiness Directive, whichever occurs first;**

- (1) Install the PDU field control panel and modify the flap control wiring as specified in and in accordance with the Accomplishment Instructions of PILATUS PC-12 Service Bulletin No. 27-011 Revision 1, dated January 26, 2001 or later revisions approved by the Swiss Federal Office for Civil Aviation (FOCA).

**(c) After modification;**

- (1) Incorporation of PILATUS PC-12 Service Bulletin No. 27-011 Revision 1, dated January 26, 2001 or later revisions approved by the Swiss FOCA constitutes terminating action for the requirements of paragraph (a) (1) of this AD. The POH/AFM Temporary Revision may be removed after accomplishment of this modification.

Rechtsmittelbelehrung Voies de droit Rimedi giuridici Right to appeal	siehe TM Nr. voir CT no. vedi CT no. see CT no.	<b>02.020-80</b>	Seite Page Pagina Page	1	von de di of	2
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FOCA AD  <b>HB 2001-070</b>	<b>Lufttüchtigkeitsanweisung (LTA)</b> <b>Consigne de Navigabilité (CN)</b> <b>Prescrizione di Aeronavigabilità (PA)</b> <b>Airworthiness Directive (AD)</b>		<b>BAZL Schweiz</b> <b>OFAC Suisse</b> <b>UFAC Svizzera</b> <b>FOCA Switzerland</b>
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**REF. PUBLICATIONS:**

- PILATUS PC-12 Service Bulletin No. No. 27-011 Revision 1, dated January 26, 2001 or later revisions approved by the Swiss Federal Office for Civil Aviation (FOCA).
- PILATUS PC-12 Pilot's Operating Handbook (POH) with POH /AFM Temporary Revision No.: 32- FLAP LIMITATIONS - dated January 08, 2001.

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 41 610 3351

**FOR FURTHER INFORMATION CONTACT:**

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

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FAX No.: +41 31 322 5918

Rechtsmittelbelehrung Voies de droit Rimedi giuridici Right to appeal	siehe TM Nr. voir CT no. vedi CT no. see CT no.	02.020-80	Seite Page Pagina Page	2 2 2 2	von de di of	2 2 2 2
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