Bundesamt für Zivilluftfahrt (BAZL) Office fédéral de l'aviation civile (OFAC) Ufficio federale dell'aviazione civile (UFAC) Federal Office for Civil Aviation (FOCA) Maulbeerstasse 9 CH-3003 Berne Switzerland		Lufttüchtigkeitsanweisung (LTA) Consigne de Navigabilité (CN) Prescrizione di Aeronavigabilità (PA) Airworthiness Directive (AD)	FOCA AD HB 99-143
Inkraftsetzung Mise en vigueur Entrata in vigore Effective Date	19.02.1999	PC-12 Series FOCA TC No.: F 56-30	

Betroffene Muster - Types concernés - Applicabilità - Models affected PILATUS AIRCRAFT LTD.

All Model PC-12 and PC-12/45 airplanes.

Manufacturers Serial Numbers: MSN 101 up to and including MSN 260.

.

Anlass / Massnahmen - Objet / Mesures - Oggetto / Provvedimenti - Subject / Action ELECTRICAL POWER - GENERATOR 2 EXITATION • Modification.

Fristen - Délais- Scadenza - Compliance (Required as indicated, unless already accomplished)
As detailed in page 2 of this Airworthiness Directive.

Herkunft - Provenance - Provenienza - Origin

FOCA Airworthiness Directive.

Bezugnahme - Référence - Riferimento - Reference

Pilatus PC-12 Service Bulletin PC-12 No. 24-012, dated February 19,1999.

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

PILATUS AIRCRAFT LTD

MARKETING SUPPORT DEPARTMENT

CH-6370 STANS TEL. No.: +41 41 619 6233 SWITZERLAND FAX No.: +41 41 610 3351

Bemerkungen - Observations - Osservazioni - Remarks

• For details refer to page 2.

Voies de droit	siehe TM Nr. voir CT no. vedi CT no. see CT no.		Seite Page Pagina Page	von de di of	2
----------------	---	--	---------------------------------	-----------------------	---

FOCA AD

HB 99-143

Lufttüchtigkeitsanweisung (LTA) Consigne de Navigabilité (CN) Prescrizione di Aeronavigabilità (PA) Airworthiness Directive (AD)



BAZL Schweiz OFAC Suisse UFAC Svizzera FOCA Switzerland

HB 99-143 PILATUS AIRCRAFT LTD. – PC-12 and PC-12/45

ELECTRICAL POWER - GENERATOR 2 EXITATION - Modification.

Applicability:

PILATUS AIRCRAFT LTD.

All Model PC-12 and PC-12/45 airplanes.

Manufacturers Serial Numbers: MSN 101 up to and including MSN 260.

Effective Date : February 19,1999.

Reason:

This Airworthiness Directive (AD) is prompted by occurrences where the second generator did not come on-line during a normal start-up procedure and after the second start-up attempt, smoke was noticed coming from the flight compartment floor.

Investigation revealed that the Generator 2 control unit (VR231) does not prevent electrical feedback from the Generator 2 field excitation on engine shut-down. If the Generator 2 is not switched off prior to engine shut-down, voltage spikes may be created at relay K234. Overheat damage to electrical components of the generator control circuit could result.

To prevent electrical system damage this AD (HB 99-143) requires modification of the electrical power system, consisting of removal of diodes (CR 201 and 202) and installation of a new 5 Amp circuit breaker (CB235) and a new suppression filter (A250).

Compliance: (as indicated, unless already accomplished)

To prevent electrical system damage modify the electrical power system:

a) Within the next 10 flights after the effective date of this AD:

For aircraft (MSN 231 and subsequent) with the BOSCH Generator 2 (P/N 524.32.12.158) installed or SB 24-010 "Replacement of Generator 2" incorporated.

b) Within the next 100 hrs time-in-service (TIS) after the effective date of this AD:

For aircraft (MSN 101 up to and including MSN 230) with the ELECTRO SYSTEMS Generator 2 (P/N 978.87.24.121) installed and SB 24-009 "Installation of a Cut-Out Relay" incorporated.

The actions required by this AD shall be done in accordance with the Accomplishment Instructions of PILATUS PC-12 Service Bulletin No. 24-012, dated February 19,1999.

FOR FURTHER INFORMATION CONTACT:

FEDERAL OFFICE FOR CIVIL AVIATION (FOCA)

Type Certification Section (FM),

Maulbeerstrasse 9

CH-3003 Berne, Fax (+41) 31 325 80 48.

Switzerland

NOTE:

An exemption, deviation or extension of the compliance time may be used if approved by the National Airworthiness Authority.

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