

<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 99-542</b>
Inkraftsetzung Mise en vigueur Entrata in vigore Effective Date	<b>PC-12 Series</b> FOCA TC No.: F 56-30	

**Betroffene Muster - Types concernés - Applicabilità - Models affected**

**PILATUS AIRCRAFT LTD.**

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

- Manufacturers Serial Numbers : MSN 101 up to and including MSN 289.

**Anlass / Massnahmen - Objet / Mesures - Oggetto / Provvedimenti - Subject / Action**

**ELECTRICAL POWER-SUPPRESSION FILTER**   ▪ Replacement.

**Fristen - Délais- Scadenza – Compliance**

( Required as indicated, unless already accomplished )

Required within the next 10 flights after the effective date of this Airworthiness Directive.

**Herkunft - Provenance - Provenienza - Origin**

FOCA Airworthiness Directive.

**Bezugnahme - Référence - Riferimento - Reference**

- PILATUS PC-12 Service Bulletin No. 24-014 dated October 27, 1999, 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 6319  
FAX No.: +41 41 619 6224

**Bemerkungen - Observations - Osservazioni - Remarks**

- For details refer to page 2.

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<p>FOCA AD</p> <p><b>HB 99-542</b></p>	<p><b>Lufthüchtigkeitsanweisung (LTA)</b> <b>Consigne de Navigabilité (CN)</b> <b>Prescrizione di Aeronavigabilità (PA)</b> <b>Airworthiness Directive (AD)</b></p>		<p><b>BAZL Schweiz</b> <b>OFAC Suisse</b> <b>UFAC Svizzera</b> <b>FOCA Switzerland</b></p>
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**HB 99-542    PILATUS AIRCRAFT LTD. – PC-12 and PC-12/45  
ELECTRICAL POWER - SUPPRESSION FILTER-Replacement.**

**Applicability :**

**PILATUS AIRCRAFT LTD.**

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

- Manufacturers Serial Numbers : MSN 101 up to and including MSN 289.

**Effective Date :**        October 29,1999.

**Reason :**

After post-installation of SB 24-012 (FOCA AD 99-143) and electrical power activation, the circuit breaker CB 235, which protects the GEN 2 circuit, tripped. Investigation revealed that the suppression filter (A250) (P/N: 524.52.12.358) was shorted. The suppression diode, installed in the filter was shorted and was not of the required type. This diode is not capable of carrying the operational loading in this installation and can melt causing a short circuit and the suppression filter cannot cut out the spikes of the GEN 2 circuit. Overheat damage to electrical wiring could result.

To prevent overheat damage of electrical wiring this AD (HB 99-542) requires replacement of the suppression filter and a system test.

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

To prevent overheat damage of electrical wiring accomplish the following:

(a) Required within the next 10 flights after the effective date of this Airworthiness Directive:

- (1) Remove the suppression filter (A250) P/N: 524.52.12.358 and install new suppression filter (A250) P/N: 524.52.12.502.

The new suppression filter can be positively identified by the part number and a black placard with a Yellow **A250** marked on it.

**NOTE:** The modifications required by FOCA AD 99-143 (PC-12 SB 24-012) must be complied with prior to /or concurrently with AD HB 99-542, using the new suppression filter referred herein.

- (2) Perform system test as referenced in PILATUS PC-12 Service Bulletin No. 24-014, dated October 27,1999 Paragraph 3(D).
- b) Any serviceable suppression filters (A250) P/N: 524.52.12.358, held as stock items – or as part of the Modification Kit P/N 500.50.12.192 for SB 24-012 (FOCA AD 99-143) – must be returned to PILATUS AIRCRAFT LTD as exchange items.
- c) The actions required by this AD shall be done in accordance with the Accomplishment Instructions of PILATUS PC-12 Service Bulletin No. 24-014, dated October 27,1999, or later revisions approved by the Swiss Federal Office for Civil Aviation (FOCA).

**FOR FURTHER INFORMATION CONTACT :**

FEDERAL OFFICE FOR CIVIL AVIATION (FOCA)

Type Certification Section (FM),

Maulbeerstrasse 9

CH-3003 Berne,

Switzerland

Fax (+41) 31 325 8051 (or)

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