

Lufttüchtigkeitsanweisung
Consigne de navigabilité
Prescrizione di aeronavigabilità
Airworthiness directive

HB 97-001

Inkraftsetzung
Mise en vigueur
Entrata in vigore
Effective Date

1.01.1997

Betroffene Muster - Types concernés - Applicabilità - Models affected

PILATUS AIRCRAFT LTD.- Model PC-12 aircraft,
Serial Numbers : S/N 101 up to and including S/N 147.

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

MAGNETIC COMPASS DEVIATION - Re-routing and replacement of the Starter-Generator and Generator 2 power return cables.
- Placard installation.
- Introduction of new flight- and maintenance procedures.

Fristen - Délais - Scadenza - Compliance

Compliance as indicated on page 2 of this Airworthiness Directive.

Herkunft - Provenance - Provenienza - Origin

FOCA AD.

Bezugnahme - Référence - Riferimento - Reference

- Pilatus PC-12 Service Bulletin No.: 24-002 Revision 1, dated September 20, 1996.
- Pilatus PC-12 Pilot's Operating Handbook - POH-Temporary Revision, dated September 20, 1996.
- Pilatus PC-12 Maintenance Manual - Temporary Revision No.: 34-02, dated September 20, 1996.

The applicable Service Bulletin may be obtained directly from :

PILATUS AIRCRAFT LTD
MARKETING SUPPORT DEPARTMENT
CH-6370 STANS
SWITZERLAND

TEL No.: +41 41 6196 233
Fax No.: +41 41 6103 351

Bemerkungen - Observations - Osservazioni - Remarks

Supersedes FOCA AD HB 96-140

Rechtsmittelbelehrung
Voies de droit
Rimedi giuridici
Right to appeal

siehe TM Nr.
voir CT no.
vedi CT no.
see CT no.

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**HB 97-001 PILATUS AIRCRAFT LTD. - PC-12
MAGNETIC COMPASS DEVIATION - Re-routing of power return cables**

Applicability

PILATUS AIRCRAFT LTD.- Model PC-12 aircraft, Serial Numbers : S/N 101 up to and including S/N 147.

Description

In the event of an Attitude and Heading Reference System (AHRS) failure in IMC conditions, the pilot must immediately revert to the standby instruments. In aircraft which are equipped for flight in known icing conditions, the magnetic compass deviation caused by the additional electrical loads has been found to be too great to be an acceptable standby heading reference.

This AD supersedes an existing Airworthiness Directive (HB 96-140) that currently requires re-routing and replacement of the Starter-Generator and Generator 2 power return cables and requires the insertion of a Temporary Revision into the Pilot's Operating Handbook.(POH).

AD HB 96-140 was issued in order to reduce the compass deviation to acceptable limits under all operating conditions.

In-service compass swings and investigations have revealed difficulties in achieving proper compensation of the standby compass.

Action

The present AD HB 97-001 retains the requirement of re-routing and replacement of the Starter-Generator and Generator 2 power return cables, extends the applicability paragraph, requires the insertion of a new POH-Temporary Revision and introduces new maintenance procedures regarding the magnetic compass compensation process.

The actions required by this AD shall be done in accordance with the Accomplishment Instructions of Pilatus PC-12 Service Bulletin No.: 24-002 Revision 1, dated September 20, 1996

Compliance

Required as indicated, unless accomplished previously.

- (1) For aircraft modified to fly into known icing conditions :
(Aircraft incorporating PC-12 SB No.: 30-001 (Icing Modification)
 - Prior to next flight into IMC conditions but not later than January 31, 1997, ; Incorporate Pilatus PC-12 Service Bulletin No.: 24-002 Revision 1, dated September 20, 1996

- (2) For aircraft not modified to fly into known icing conditions :
(Aircraft not incorporating PC-12 SB No.: 30-001 (Icing Modification)
 - Before or together with the incorporation of PC-12 SB No.: 30-001 (Icing Modification) but not later than January 31, 1997; Incorporate Pilatus PC-12 Service Bulletin No.: 24-002 Revision 1, dated September 20, 1996.

FOR FURTHER INFORMATION CONTACT:

Federal Office for Civil Aviation (FOCA) Type Certification Section (FM), Maulbeerstrasse 9, CH-3003 Berne, Switzerland / Facsimile (+41) 31 325 80 48