

Bundesamt für Zivilluftfahrt (BAZL) Office fédéral de l'aviation civile (OFAC) Ufficio federale dell'aviazione civile (UFAC) Federal Office for Civil Aviation (FOCA) Maulbeerstrasse 9 CH-3003 Berne Switzerland	Lufttüchtigkeitsanweisung (LTA) Consigne de Navigabilité (CN) Prescrizione di Aeronavigabilità (PA) Airworthiness Directive (AD)	FOCA AD HB-2004-182
Inkraftsetzung Mise en vigueur Entrata in vigore Effective Date	PILATUS - PC-12 FOCA TC/TCDS No: F56-30 ATA 35 – OXYGEN	

Issue date: 14 May 2004

Subject: PASSENGER OXYGEN SYSTEM–OXYGEN PIPES / Inspection-Replacement-Modification

Superseded/Revised ADs: Not applicable

1. APPLICABILITY:

PILATUS AIRCRAFT LTD.

Model PC-12 and PC-12/45 airplanes with an executive interior and a six, seven or eight-seat oxygen system installed with the following Manufacturer Serial Numbers (MSN):

MSN	MSN	MSN	MSN	MSN
124	166	401	405	407
411 thru 414	417 thru 424	427	429 thru 430	432 thru 433
435 thru 437	439	441	443 thru 444	446 thru 465
468 thru 470	472 thru 475	478 thru 490	492	494 thru 496
498 thru 516	518 thru 522	524		

2. REASON:

It is possible for chaffing damage to occur due to insufficient clearance between the passenger oxygen pipe-assemblies and some of the cabin lighting components in the headliner, in airplanes with executive interiors.

This condition, if not corrected, could result in the leakage of the passenger oxygen pipe assembly. In order to prevent the condition described, this Airworthiness Directive (AD) requires inspection of the installation for damage, modification of the pipe assembly to increase the clearance distance between the oxygen pipes and lighting components, and replacement of parts and/or components as required.

3. COMPLIANCE / ACTION:

Required as indicated below, unless already accomplished:


Airplane hours time-in-service (TIS)	Compliance time
Less than 1500 hrs TIS	At the next annual inspection after the effective date of this AD, but not later than 31 December 2004.
greater than 1500 hrs TIS	At the next 100 hrs inspection after the effective date of this AD, but not later than 31 December 2004.

3.1. REPLACEMENT OF FORWARD OXYGEN PIPE

3.1.1. Remove and discard the forward oxygen pipe P/N 535.21.12.076 and install new forward oxygen pipe P/N 535.21.12.125.

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3.2. INSPECTION

- 3.2.1. Inspect the overhead panel for damage. If damage is found; contact PILATUS for repair procedures.
- 3.2.2. Inspect the interior-lighting power-supply units for damage. If damage is found; prior to further flight, replace the damaged interior-lighting power-supply unit(s).
- 3.2.3. For airplanes with the eight-seat oxygen system installed; inspect the aft oxygen pipe P/N 535.21.12.054 for damage. If damage is found; prior to further flight, replace the aft oxygen pipe.

3.3. MODIFICATION

- 3.3.1. For airplanes with the TCAS antenna and the eight-seat oxygen system installed; modify the TCAS antenna cable routing in accordance with paragraph (3) (E) and (Fig. 2) of PILATUS PC-12 Service Bulletin No. 35-004.
- 3.3.2. For airplanes with the eight-seat oxygen system installed; modify the attachment of the aft oxygen pipe routing in accordance with paragraph (3) (F) and (Fig. 1) of PILATUS PC-12 Service Bulletin No. 35-004.

4. REF. PUBLICATIONS:

The actions required by this AD shall be done in accordance with the manufacturer's documentation listed in this paragraph, and/or later revisions approved by the Swiss Federal Office for Civil Aviation (FOCA):

Manufacturer's Documentation

- PILATUS PC-12 Service Bulletin No. 35-004, dated 19 December 2003.
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The applicable manufacturer's documentation may be obtained directly from:

PILATUS AIRCRAFT LTD	TEL No.: +41 41 619 6208
CH-6371 STANS, Switzerland	FAX No.: +41 41 619 7311
CUSTOMER SUPPORT MANAGER	Email: SupportPC12@pilatus-aircraft.com

5. FOR FURTHER INFORMATION CONTACT:

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

FAX No.: +41 31 325 9324 (or)
FAX No.: +41 31 322 5918

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