



Lufttüchtigkeitsanweisung (LTA) Consigne de Navigabilité (CN) Direttive sulla Navigabilità (DN) Airworthiness Directive (AD)		FOCA AD <b>HB-2021-003</b>
Inkraftsetzung Mise en vigueur Entrata in vigore Effective Date	<b>01 November 2021</b>	<b>Pilatus – PC-21</b> FOCA TC/TCDS No: F 56-35

**Issue Date:** 18 October 2021

**ATA Chapter:** ATA 35 – Oxygen

**Subject:** **Oxygen – Emergency Oxygen System – Emergency Regulator Connector – Modification**

**Supersedeure / Revised AD(s):** Not applicable

Note 1:  
This AD is related to FOCA AD HB-2021-002R1 dated 22 February 2021.

**Type Certificate Holder's Name:** Pilatus Aircraft Ltd.

**Manufacturer(s):** Pilatus Aircraft Ltd.

**Applicability:** Model PC-21 aeroplanes, Manufacturers Serial Numbers (MSN) 101 and MSN 103 through MSN 313.

**Definitions:** For the purpose of this AD, the following definitions apply:

**The Service Bulletin (SB):**  
Pilatus Aircraft PC-21 SB No. 35-008.

**Affected part:**  
An Emergency Regulator Connector (ERC), which is not modified according the SB 35-008.

**Serviceable part:**  
An ERC which is modified according the SB 35-008 by embodiment of modification kit P/N 500.50.21.251.

**Groups:**  
Group 1 aeroplanes are those that have an affected part installed.  
Group 2 aeroplanes are those that do not have an affected part installed.

**Reason:** A design deficiency in the Max Pressure Relief Valve (MPRV) located in the On-Board Oxygen-Generating System (OBOGS) Panel Mounted Regulator (PMR) was identified.

This condition, if not corrected, can result in the inability to relieve excess pressure that the PMR can potentially deliver to the pilots oxygen mask. This condition can lead to higher workload and, if occurring at high altitude, exposes the aircrew to the risk of hypoxia.

To address this potential unsafe condition, Pilatus issued the SB to provide modification instructions.

For the reason described above, this Airworthiness Directive (AD) requires the modification of the ERC, as defined in this AD, and prohibits the (re-)installation of affected parts.

**Required Action(s)  
and Compliance  
Time(s):**

Required as indicated below, unless already accomplished:

**Modification:**

- (1) For Group 1 aeroplanes: Within 21 months after the effective date of this AD, modify the ERC by the introduction of an additional MPRV by embodiment of modification kit P/N 500.50.21.251 in accordance with the instructions of section 3.B of the SB.

**Parts installation:**

- (2) Do not install an affected part on any aeroplane, as required by paragraph (2.1) or (2.2) of this AD, as applicable.

(2.1) For Group 1 aeroplanes: After the modification of each affected part on an aeroplane as required by paragraph (1) of this AD.

(2.2) For Group 2 aeroplanes: From the effective date of this AD.

**Alternate Method of Compliance (AMOC):**

- (3) As an AMOC the incorporation of SB 34-012 fulfils also the requirements of this AD.

**Ref. Publication(s):**

Pilatus Aircraft PC-21 SB 35-008 original issue dated 20 July 2021.

The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.

**For further information  
contact:**

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

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Customer Technical Support  
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CH-6371 Stans, Switzerland

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E-mail: [Techsupport@pilatus-aircraft.com](mailto:Techsupport@pilatus-aircraft.com)

For further information contact:

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