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| Lufttüchtigkeitsanweisung (LTA)<br>Consigne de Navigabilité (CN)<br>Direttive sulla Navigabilità (DN)<br>Airworthiness Directive (AD) |   | FOCA AD<br><b>HB-2018-002R1</b>                    |
| Inkraftsetzung<br>Mise en vigueur<br>Entrata in vigore<br>Effective Date  | <b>28 November 2018</b><br>(same as original issue) | <b>Pilatus – PC-21</b><br>FOCA TC/TCDS No: F 56-35 |

**Issue Date:** 26 November 2018

**ATA Chapter:** ATA 32 – Landing Gear

**Subject:** **Landing Gear – Main Landing Gear (MLG) LH and RH Folding Struts – Inspection**

**Supersedure / Revised AD(s):** This AD revises FOCA AD HB-2018-002 dated 14 November 2018.

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

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

**Applicability:** Model PC-21 aircraft, all Manufacturers Serial Numbers (MSN).

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

**The Service Bulletin (SB):**  
Pilatus Aircraft Ltd SB No. 32-016.

**Affected part:**  
Folding struts that have more than 2’500 landings, having Part Number (P/N):  
P/N: 532.30.21.143 and 532.30.21.144  
P/N: 532.30.21.173 and 532.30.21.174  
P/N: 532.30.21.191 and 532.30.21.192

**Serviceable part:**  
An affected part that is new, or has passed an inspection (no defects found), before installation, in accordance with the instructions of Section 3.B. of the SB, or has been corrected in accordance with the instructions of Section 3.B. of the SB.

**Reason:** During an after flight inspection, a folding strut to the right MLG was found cracked and damaged around the area of the MLG actuator eye end.

This condition, if not detected and corrected, could lead to MLG structural failure and subsequent collapse of the MLG, possibly resulting in damage to the aircraft and injury to the occupants.

To address this potential unsafe condition, Pilatus Aircraft Ltd. issued the SB to provide applicable inspection instructions.

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FOCA AD  
**HB-2018-002R1**

For the reason described above, FOCA issued Airworthiness Directive (AD) 2018-002 requiring a one-time inspection of the affected parts and, depending on findings, accomplishment of applicable corrective action(s). This AD also required, before installation, inspection of, and, depending on findings, corrective action(s) on, affected parts held as spare.

Since the AD was issued, it was determined that clarification is necessary concerning the affected parts. This AD is revised to clarify that this AD is applicable to all PC-21 aircraft with folding struts installed that have more than 2'500 landings.

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

Required as indicated below, unless already accomplished:

Within the next 90 days after the effective date of this AD:

**Inspection(s):**

- (1) Perform an eddy-current crack-detection test of the LH and RH folding strut in accordance with the instructions of Section 3.B of the SB.

**Corrective Action(s):**

- (2) If, during the inspection as required by paragraph (1) of this AD, any cracks in a LH and RH folding strut in the upper MLG actuator connection area are found, as defined in the SB, before next flight, replace the LH and RH folding strut in accordance with the instructions of Section 3.B. of the SB.
- (3) If, during the inspection as required by paragraph (1) of this AD, any cracks in a LH and RH folding strut in the lower MLG actuator connection area are found, as defined in the SB, before next flight, a repair can be performed in accordance with the instructions of Section 3.B. of the SB.

**Parts Installation:**

- (4) From the effective date of this AD, it is allowed to install on any aircraft an affected part, provided it is a serviceable part, as defined in this AD.

**Ref. Publication(s):**

Pilatus Aircraft Ltd. SB No. 32-016 original issue dated 14 September 2018.

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:

PILATUS AIRCRAFT LTD.  
Customer Technical Support (MCC)  
P.O. Box 992  
CH-6371 Stans, Switzerland

Tel.: +41 (0)41 619 67 74      Fax: +41 (0)41 619 67 73  
E-mail: [Techsupport@pilatus-aircraft.com](mailto:Techsupport@pilatus-aircraft.com)

Lufttüchtigkeitsanweisung (LTA)  
Consigne de Navigabilité (CN)  
Direttive sulla Navigabilità (DN)  
Airworthiness Directive (AD)

FOCA AD  
**HB-2018-002R1**

For further information contact:

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