



Lufttüchtigkeitsanweisung (LTA) Consigne de Navigabilité (CN) Direttive sulla Navigabilità (DN) Airworthiness Directive (AD)		FOCA AD <b>HB-2010-010</b>
Inkraftsetzung Mise en vigueur Entrata in vigore Effective Date	<b>12 August 2010</b>	<b>Pilatus – PC-7</b> FOCA TC/TCDS No: F 56-20

**Issue Date:** 29 July 2010

**ATA Chapter:** ATA 57 – Wings

**Subject:** **Wings – Aileron Outboard Bearing Support Bolts – Inspection**

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

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

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

**Applicability:** Model PC-7 aircraft, Manufacturer Serial Numbers (MSN) 101 through MSN 618 inclusive.

**Reason:** This Airworthiness Directive (AD) is prompted due to an occurrence when an aircraft had a partial in-flight separation of the aileron outboard bearing support.

The aileron outboard bearing supports are attached with two forward attachment bolts and two aft attachment bolts. The forward attachment bolts are approximately 3.2 mm (0.125 inch) longer than the aft attachment bolts. If the aileron outboard bearing supports have been removed, it is possible that during the reinstallation of the aileron outboard bearing supports, the attachment bolts can be installed in wrong positions. Bolts that are installed in wrong positions can damage the threads in the rear attachment anchor nuts.

Such a condition, if left uncorrected, could lead to in-flight separation of the aileron outboard bearing support, and as a consequence, the loss or limited controllability of the aircraft.

In order to correct and control the situation, this AD requires a one time inspection to verify that the bolts are installed in the correct positions and the threads of the anchor nuts are in a good condition. The replacement of the attachment hardware is required if any damage on the anchor nut threads or a bolt at the wrong location is found.

**Required actions(s) and Compliance Time(s):** Required as indicated below, unless already accomplished:

- (1) Within 1 month after the effective date of this AD, perform a check of the aircraft maintenance documentation for an entry that the left or right aileron outboard bearing support has been removed in the past as required by paragraph (§) 3.A. of PILATUS PC-7 Service Bulletin

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No. 57-015 Revision 1, and if an entry is found or you are not sure that the aileron outboard bearing support has been removed, continue with the instructions provided by § 3.A.(2) through § 3.E. of PILATUS PC-7 Service Bulletin No. 57-015 Revision 1.

**Ref. Publication(s):** PILATUS PC-7 Service Bulletin No. 57-015, Revision 1.

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 (MCC)  
P.O. Box 992  
CH-6371 Stans, Switzerland

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