



Lufttüchtigkeitsanweisung (LTA) Consigne de Navigabilité (CN) Direttive sulla Navigabilità (DN) Airworthiness Directive (AD)		FOCA AD <b>HB-2019-003</b>
Inkraftsetzung Mise en vigueur Entrata in vigore Effective Date	<b>30 October 2019</b>	<b>Pilatus – PC-7</b> FOCA TC/TCDS No: F 56-20

**Issue Date:** 16 October 2019

**ATA Chapter:** ATA 57 – Wings

**Subject:** **Wings – Angle Brackets installed on LH and RH Wing Middle Rib 23 – Inspection**

**Supersedure / Revised AD(s):** None

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

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

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

**Reason:** During a scheduled inspection corrosion was found on the angle brackets installed in the LH and RH wing middle rib 23.

The angle brackets are made of steel and during manufacture of the wing, anchor nuts are installed on them. The anchor nuts are for the installation of the aileron outboard-bearing supports. Two types of anchor nuts were used, silver-plated or cadmium plated. It is possible that the silver-plated anchor nuts have caused the corrosion after being installed without corrosion preventative during manufacture of the wing.

This condition, if not detected and corrected, could lead to a reduced or loss of structural integrity of the aileron outboard-bearing support.

To address this potential unsafe condition, Pilatus issued the SB 57-017 to provide applicable inspection and corrective action(s).

For the reason described above, this Airworthiness Directive (AD) requires a one-time inspection of the angle brackets installed on the LH and RH wing middle rib 23 to identify the type on anchor nuts installed and for signs of corrosion and, depending on findings, accomplishment of applicable corrective action(s).

**Required Action(s) and Compliance Time(s):** Required as indicated below, unless already accomplished:  
Within the next 12 months after the effective date of this AD:

**Inspection:**

- (1) Perform a borescope inspection for corrosion on the eight angle brackets installed on the LH and RH wing middle ribs 23 around the area of the anchor nuts and identify the type of anchor nuts, silver-plated or cadmium-plated, installed with the instructions of Section 3.B. of the SB 57-017.

**Corrective Action(s):**

- (2) If, during the inspection as required by paragraph (1) of this AD, any signs of corrosion in an angle bracket are found, as defined in the SB 57-017, before next flight, replace the brackets in accordance with the instructions of Section 3.B. of the SB 57-018.
- (3) If during the inspection as required by paragraph (1) of this AD, no signs of corrosion are found in combination with silver-plated anchor nuts installed, as defined in the SB 57-017, before next flight, mandatory inspections added to Chapter 5 of the Aircraft Maintenance Manual (AMM) dated 30 July 2019 or later approved version become applicable.
- (4) If during the inspection as required by paragraph (1) of this AD, no signs of corrosion are found in combination with cadmium-plated anchor nuts installed, as defined in the SB 57-017, before next flight, a layer of corrosion preventative will be applied to the brackets in accordance with the instructions of Section 3.B.(2)(c), (d) and (e) of the SB 57-017.

**Ref. Publication(s):**

Pilatus Aircraft PC-7 SB 57-017 original issue dated 06 September 2019.  
Pilatus Aircraft PC-7 SB 57-018 original issue dated 06 September 2019.

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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