



Lufttüchtigkeitsanweisung (LTA) Consigne de Navigabilité (CN) Direttive sulla Navigabilità (DN) Airworthiness Directive (AD)		FOCA AD HB-2016-007
Inkraftsetzung Mise en vigueur Entrata in vigore Effective Date	03 October 2016	Pilatus – P3 FOCA TC/TCDS No: None

Issue Date: 19 September 2016

ATA Chapter: ATA 57 – Wings

Subject: **Fuselage – Main Frame 3 – Wing to Fuselage Attachment Bolts – Inspection**

Supersedure / Revised AD(s): None

Type Certificate Holder's Name: None

Manufacturer(s): Pilatus Flugzeugwerke AG

Applicability: Model P3-03 and P3-05 aircraft, all Serial Numbers (S/N).

Reason: This Airworthiness Directive (AD) is prompted due to a report of corrosion of a wing to fuselage attachment bolt. The corrosion was detected during an inspection of the fleet leader aircraft. The corrosion of the wing to fuselage attachment bolt can occur when water is entering into the aircraft structure, for example with an open canopy in raining conditions.

Such a condition, if left uncorrected, could lead to stress corrosion cracking in the affected bolts and will prejudice the structural integrity of the aircraft.

In order to correct and control the situation, this AD requires a one-time inspection of the wing to fuselage attachment bolts for corrosion and cracking and if corrosion and/or cracks are found, replace the affected wing to fuselage attachment bolts with new bolts.

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

- (1) Within the next 50 Flight Hours (FH) or at the next annual inspection, whichever occurs first after the effective date of this AD, remove the wing to fuselage attachment bolts as described in "Technisches Reglement der Fliegertruppe 56.199d" (the technical description and operating instructions of the Swiss Air Force) and perform a visual inspection for corrosion and a dye penetrant inspection for cracks. No corrosion and/or cracks are permitted.

Note 1: For the inspection of the attachment bolts it is not necessary to remove the wings from the fuselage.

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- (2) If during the inspection by paragraph (1) of this AD any wing to fuselage attachment bolts with corrosion and/or cracks are found, before next flight, replace the wing to fuselage attachment bolts as described in "Technisches Reglement der Fliegertruppe 56.199d" with new bolts. The tightening torque of the new installed or reinstalled bolts is: 60 Nm (6.1 mkg).

Ref. Publication(s): Technisches Reglement der Fliegertruppe 56.199d
for Pilatus P3-03/05 aircraft.

Drawing No. P3.03-100.57 given in Appendix 1 of this AD.

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 and parts (bolts) may be obtained directly from:

RUAG Schweiz AG
RUAG Aviation
Via Aeroporto 14
CH-6527 Loderino, Switzerland

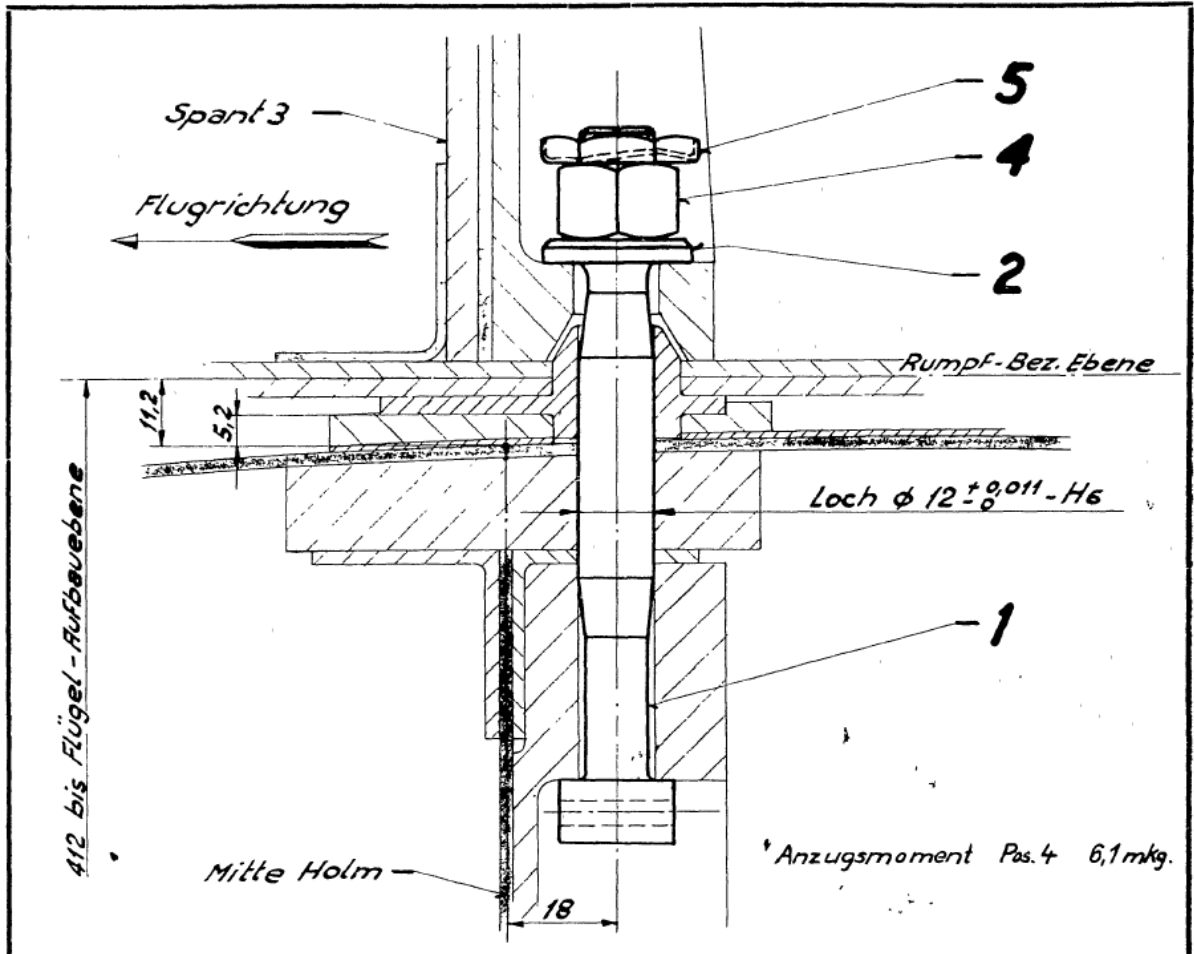
Tel.: +41 91 873 41 11
E-mail: info.loderino.aviation@ruag.com

For further information contact:

FEDERAL OFFICE OF CIVIL AVIATION (FOCA)
Design and Production (STEH)
CH-3003 Bern, Switzerland

E-mail: airdir@bazl.admin.ch

Appendix 1



1	1	P. Mutter M 12	N 431	5	St.			
1	1	Mutter M 12 x 1,75	N 133	4	St. 60			
				3				
1	1	Spez. U-scheibe	100.59	2				
1	1	Bolzen	100.39	1				
Stückzahl		Gegenstand	Zeichnung No.	Pos. No.	Material	Dimension	Menge	Bemerkungen
Rechts Links	d						Gewicht:	
	c						Zus Stellung Z. No.	
	b							
	a							
	Ausgabe	Art der Aenderung			Name	Datum		
Gruppe: Flügel		Gr. 100		Maßstab	Gezeichnet: <i>Gab.</i> Datum: 11.2.55			
Rumpfanschluss mitte		A4		1:1	Geprüft:			
Zusammenstellung		*			Gesehen: <i>H.</i> Datum: 23.6.55			
					Norm gepr: <i>H.</i> Datum: 23.6.55			
„PILATUS“ FLUGZEUGWERKE AG. STANS (SCHWEIZ)			Type	Zeichnung No.				
			P3.03-100.57					