

Bundesamt für Zivilluftfahrt (BAZL) Office fédéral de l'aviation civile (OFAC) Ufficio federale dell'aviazione civile (UFAC) Federal Office for Civil Aviation (FOCA) Maulbeerstrasse 9 CH-3003 Berne Switzerland	Lufttüchtigkeitsanweisung (LTA) Consigne de Navigabilité (CN) Prescrizione di Aeronavigabilità (PA) Airworthiness Directive (AD)	FOCA AD HB 2002-271
Inkraftsetzung Mise en vigueur Entrata in vigore Effective Date	PILATUS - PC-12 FOCA TC/TCDS No.: F 56-30 ATA 04 & ATA 32	

**TITLE: PILATUS AIRCRAFT LTD. – PC-12
NOSE LANDING GEAR DRAG LINK RIGHT HAND PART – Life Limitation.**

APPLICABILITY:

PILATUS AIRCRAFT LTD.

All PC-12 and PC-12/45 airplanes, with nose landing gear drag link right hand part with part number (P/N): 532.20.12.140, installed.

NOTE:

New (improved) nose landing gear drag link right hand part (P/N) 532.20.12.289, which have no life limitation have been installed by the manufacturer on airplanes with Manufacturer Serial Numbers (MSN) 490 onwards.

REASON:

This Airworthiness Directive (AD) is prompted by reports of uncommanded extension of the Nose Landing Gear (NLG) during cruise flight.

Investigation revealed that the nose landing gear drag links right hand part (P/N): 532.20.12.140 were found to be broken on some airplanes due to fatigue cracking.

Complete failure of the nose landing gear drag link right hand part could result in NLG collapse during landing.

To prevent failure of the nose landing gear drag link right hand part, this Airworthiness Directive (AD) requires to revise the Airworthiness Limitations Section of the maintenance manual by establishing a life limit of 4000 landings for the nose landing gear drag link right hand part (P/N): 532.20.12.140.

COMPLIANCE:

Required as indicated below, unless already accomplished:

(a) REPETITIVE REPLACEMENT

Replace the nose landing gear drag link right hand part (P/N): 532.20.12.140 initially at the time specified in paragraph (a)(1) or (a)(2) of this AD.

Thereafter, replace the nose landing gear drag link right hand part (P/N): 532.20.12.140 at intervals not to exceed 4000 landings, in accordance with latest PC-12 Maintenance Manual instructions.


(1) For nose landing gear drag links right hand part (P/N): 532.20.12.140 that have 3800 or less total landings as of the effective date of this AD: Replace it prior to the accumulation of 4000 landings.

(2) For nose landing gear drag links right hand part (P/N): 532.20.12.140 that have 3801 and more total landings as of the effective date of this AD: Replace nose landing gear drag link right hand part within the next 200 landings after the effective date of this AD.

(b) OPTIONAL TERMINATING ACTION

Replacement of the nose landing gear drag link right hand part (P/N): 532.20.12.140 with nose landing gear drag link right hand part of improved design with (P/N): 532.20.12.289, in accordance with PILATUS PC-12 Service Bulletin No. 32-014, constitutes terminating action for the repetitive replacement required by paragraph (a) of this AD.

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(c) REF. PUBLICATIONS:

- (1) The actions required by this AD shall be done in accordance with the manufacturer's documentation listed in this paragraph, and/or later revisions approved by the Swiss Federal Office for Civil Aviation (FOCA):
- PILATUS PC-12 Maintenance Manual Temporary Revision No. 04-07 (AMM 04-00-00), dated 04 June 2002.
 - PILATUS PC-12 Maintenance Manual Temporary Revision No. 32-14 (AMM 32-20-06), dated 04 June 2002.

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

PILATUS AIRCRAFT LTD

CUSTOMER LIAISON MANAGER
CH-6371 STANS, Switzerland

TEL No.: +41 41 619 6319

FAX No.: +41 41 619 6224

Email: pilga@pilatusaircraft.com

FOR FURTHER INFORMATION CONTACT:

FEDERAL OFFICE FOR CIVIL AVIATION (FOCA)
Type Certification (MZ)
Maulbeerstrasse 9
CH-3003 Berne, Switzerland

FAX No.: +41 31 325 8051 (or)

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Superseded by
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