


EASA	NOTIFICATION OF A PROPOSAL TO ISSUE AN AIRWORTHINESS DIRECTIVE
	<p>PAD No.: 15-053</p> <p>Date: 29 April 2015</p> <p>Note: This Proposed Airworthiness Directive (PAD) is issued by EASA, acting in accordance with Regulation (EC) No 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.</p>
<p>In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the issuance of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below. All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation closing date indicated.</p>	
Design Approval Holder's Name: PILATUS AIRCRAFT Ltd.	Type/Model designation(s): PC-12 aeroplanes
TCDS Number: EASA.A.089	
Foreign AD: Not applicable	
Supersedure: None	
ATA 27	Flight Controls – Aileron Control System / Universal Joints – Replacement
Manufacturer(s):	Pilatus Aircraft Ltd.
Applicability:	PC-12, PC-12/45, PC-12/47 and PC-12/47E aeroplanes, all manufacturer serial numbers (MSN).
Reason:	<p>A case of malfunctioning was reported of a universal joint installed between the control tube assembly and the control column on a PC-12 aeroplane.</p> <p>Investigation determined that the malfunction was caused by incorrectly manufactured universal joints which were provided to operators between 01 March 2014 and 28 February 2015.</p> <p>This condition, if not corrected, could lead to other cases of malfunctioning of a universal joint, possibly resulting in reduced control of the aeroplane.</p> <p>To address this potential unsafe condition, Pilatus Aircraft Ltd. issued Service Bulletin (SB) No. 27-022 to provide instructions for replacement of the universal joints in the flight controls.</p> <p>For the reason described above, this AD requires removal from service of the incorrectly manufactured universal joints.</p>
Effective Date:	[TBD: 14 days after final AD issue date]

<p>Required Action(s) and Compliance Time(s):</p>	<p>Required as indicated, unless accomplished previously:</p> <p>Note 1: For the purpose of this AD, the affected parts are universal joints Part Number (P/N) 944.61.73.012 and P/N 527.10.12.195, purchased between 01 March 2014 and 28 February 2015. The affected parts may also have been installed in service through an inspection kit P/N 500.50.12.314 for the aileron control system, purchased between 01 March 2014 and 28 February 2015.</p> <p>Note 2: PC-12/47E aeroplanes with MSN 1451 to MSN 1460 inclusive, MSN 1463 to MSN 1465 inclusive, MSN 1515, MSN 1521, MSN 1522, and MSN 1524 and higher are delivered with new universal joints P/N 527.10.12.195 (marked with a placard "RT iO" to identify that an X-ray test has been passed) installed in production.</p> <p>(1) Within the compliance time defined in Table 1 of this AD, as applicable, replace each affected universal joint P/N 944.61.73.012 or P/N 527.10.12.195 with a new universal joint P/N 527.10.12.195 (purchased after 01 March 2015 and marked with a placard "RT iO") in accordance with the instructions of Pilatus Aircraft Ltd. SB No. 27-022.</p> <p style="text-align: center;">Table 1 – Replacement of Universal Joints</p> <table border="1" data-bbox="584 835 1386 1178"> <tr> <th data-bbox="584 835 1082 1032">Flight cycles (FC) accumulated on the effective date of this AD (since first flight of the aeroplane or since installation of the affected universal joint or inspection kit, as applicable)</th><th data-bbox="1082 835 1386 1032">Compliance time (after the effective date of this AD)</th></tr> <tr> <td data-bbox="584 1032 1082 1137">Less than 200 FC</td><td data-bbox="1082 1032 1386 1137">Within 10 FC or 3 months, whichever occurs first</td></tr> <tr> <td data-bbox="584 1137 1082 1178">200 FC or more</td><td data-bbox="1082 1137 1386 1178">Within 12 months</td></tr> </table> <p>(2) Do not install on any aeroplane a universal joint P/N 944.61.73.012 or P/N 527.10.12.195 (except one marked with a placard "RT iO") or an inspection kit P/N 500.50.12.314 purchased between 01 March 2014 and 28 February 2015, as specified in paragraph (2.1) or (2.2) of this AD, as applicable.</p> <p>(2.1) For an aeroplane that has an affected part installed: After modification of the aeroplane as required by paragraph (1) of this AD.</p> <p>(2.2) For an aeroplane that does not have an affected part installed: From the effective date of this AD.</p>	Flight cycles (FC) accumulated on the effective date of this AD (since first flight of the aeroplane or since installation of the affected universal joint or inspection kit, as applicable)	Compliance time (after the effective date of this AD)	Less than 200 FC	Within 10 FC or 3 months, whichever occurs first	200 FC or more	Within 12 months
Flight cycles (FC) accumulated on the effective date of this AD (since first flight of the aeroplane or since installation of the affected universal joint or inspection kit, as applicable)	Compliance time (after the effective date of this AD)						
Less than 200 FC	Within 10 FC or 3 months, whichever occurs first						
200 FC or more	Within 12 months						
<p>Ref. Publications:</p>	<p>Pilatus Aircraft Ltd. SB No. 27-022 original issue, dated 17 March 2015.</p> <p>The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.</p>						
<p>Remarks:</p>	<ol style="list-style-type: none"> This Proposed AD will be closed for consultation on 27 May 2015. Enquiries regarding this PAD should be referred to the Safety Information Section, Certification Directorate, EASA. E-mail: ADs@easa.europa.eu. For any question concerning the technical content of the requirements in this PAD, please contact: PILATUS AIRCRAFT LTD, Customer Support Manager, CH-6371 STANS, Switzerland. Tel.: +41 (0)41 619 33 33 Fax: +41 (0)41 619 73 11. E-mail: SupportPC12@pilatus-aircraft.com. 						