



No.	CF-2013-30	1/1
Issue Date 7 October 2013		

AIRWORTHINESS DIRECTIVE

The following airworthiness directive (AD) may be applicable to an aircraft which our records indicate is registered in your name. ADs are issued pursuant to **Canadian Aviation Regulation (CAR) 521 Division X**. Pursuant to **CAR 605.84** and the further details of **CAR Standard 625, Appendix H**, the continuing airworthiness of a Canadian registered aircraft is contingent upon compliance with all applicable ADs. Failure to comply with the requirements of an AD may invalidate the flight authorization of the aircraft. Alternative means of compliance shall be applied for in accordance with **CAR 605.84** and the above-referenced **Standard**.

This AD has been issued by the Continuing Airworthiness Division (AARDG), National Aircraft Certification Branch, Transport Canada, Ottawa, telephone 613 952-4357.

Number: CF-2013-30

Subject: Tail Rotor Control Tube Oscillation and Damage

Effective: 21 October 2013

Applicability: Bell Helicopter Textron Canada (BHTC) Model 430 helicopter equipped with Tail Rotor Control Tube Assembly part number (P/N) 430-001-007-101.

Compliance: Within 50 hours air time from the effective date of this AD, unless already accomplished.

Background: There have been two reported cases of the subject control tube assembly bonded clevis failing. These failures were caused by fatigue cracking initiated by oscillation of the control tube assembly.

This situation, if not corrected, could result in the loss of control of the helicopter.

Corrective Actions:

1. Perform a one-time inspection of the tail rotor control tube assembly for damage, in accordance with the Accomplishment Instructions of BHTC Alert Service Bulletin (ASB) 430-13-51, dated 3 September 2013, or later revisions approved by Chief, Continuing Airworthiness, Transport Canada.
2. If damage of the control tube assembly exceeds the allowable limits indicated in the above-noted ASB, contact BHTC for disposition as indicated in the Accomplishment Instructions of the ASB. If BHTC Engineering evaluation of the tube damage allows for the tube to be returned to service, this tube may be re-installed providing that the applicable rectification is carried out and modification to this tube is performed as per paragraph 3 below prior to further flight.
3. If the control tube assembly is not damaged or the damage is within the allowable limits, or BHTC Engineering determines that the tube can be returned to service, prior to further flight, modify the control tube assembly in accordance with the Accomplishment Instructions of the above mentioned ASB.
4. Replace control tube assembly P/N 430-001-007-101 with P/N 430-001-007-105 no later than 12 months from the effective date of this AD.

Authorization: For the Minister of Transport,

ORIGINAL SIGNED BY

Derek Ferguson
Chief, Continuing Airworthiness

Contact: Bogdan Gajewski, Continuing Airworthiness, Ottawa, telephone 613-952-4357, facsimile 613-996-9178 or e-mail AD-CN@tc.gc.ca or any Transport Canada Centre.

Pursuant to **CAR 202.51** the registered owner of a Canadian aircraft shall, within seven days, notify the Minister in writing of any change of his or her name or address.

To request a change of address, contact the **Civil Aviation Communications Centre (AARC)** at Place de Ville, Ottawa, Ontario K1A 0N8, or 1-800-305-2059, or www.tc.gc.ca/civilaviation/communications/centre/address.asp

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