



No.	CF-2012-14	1/1
Issue Date	12 April 2012	

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-2012-14
- Subject:** Crosstubes – Life Limitation
- Effective:** 26 April 2012
- Applicability:** Bell Helicopter Textron Canada (BHTC) Helicopter Models 412, 412EP and 412CF, equipped with Dart Aerospace Ltd., high gear aft crosstube part number D412-664-203.
- Compliance:** Within 30 days from the effective date of this AD, unless already accomplished.
- Background:** These crosstubes are subject to the following certifications:
- Transport Canada (TCCA) Supplemental Type Certificate (STC): SH01-9
 - Federal Aviation Administration (FAA) STC: SR01298NY
 - European Aviation Safety Agency (EASA) STC: IM.R.S.01304

Five failures of the Dart Aerospace high gear aft crosstube have been reported. These failures could lead to an unsafe condition during landing.

Based on in-service reports, it has been determined that Dart Aerospace Limited's high gear aft crosstube part number (P/N) D412-664-203 requires a life limitation of 10 000 landings.

Corrective Actions: **Airworthiness Limitation Amendment**

Amend "Chapter 4 – Airworthiness Limitation" of the Instructions for Continued Airworthiness (ICA) ICA-D212-664 by inserting Revision 8 dated 20 October 2011. This Revision introduces a life limit of 10 000 landings for crosstube P/N D412-664-203. Remove from service the affected crosstubes with more than 10 000 landings.

Authorization: For the Minister of Transport, Infrastructure and Communities

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 ADs@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

