



No.	CF-2007-14	1/2
Issue Date	24 August 2007	

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) 593**. 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), Aircraft Certification Branch, Transport Canada, Ottawa, telephone 613 952-4357.

Number: CF-2007-14

Subject: Disc Assemblies – Tail rotor driveshaft (Thomas Couplings)

Effective: 17 September 2007

Applicability: Bell Helicopter Textron Canada (BHTC) Model 407 helicopters S/N up to 53709, 53711 through 53716, 53718, 53720 through 53722 and Model 427 helicopters S/N up to 56056 and 58001 through 58002.

Compliance: As indicated, unless already accomplished.

Background: It has been determined that Disc Assemblies part number (P/N) 407-340-340-103 manufactured between 1 November 2005 through 30 November 2006, may have discs of improper thickness or discs may have been indexed incorrectly.

Corrective Actions: **A. Verification**

As soon as possible, but not later than 25 hours air time or 30 days from the effective date of this directive, verify Disc Assemblies P/N 407-340-340-103 those installed on helicopter and those in the inventory, for manufacturing date, proper thickness and indexing, in accordance with instructions provided in applicable Alert Service Bulletins (ASB) listed below or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Helicopter Model	Alert Service Bulletin
407	ASB-407-07-76 dated 28 March 2007
427	ASB-427-07-17 dated 28 March 2007

B. Corrections

1. For Disc Assembly at inventory:

- (a) If manufacturing date is not between 1 November 2005 and 30 November 2006, the Disc Assemblies do not require further action.
- (b) If required, adjust the thickness of Disc Assembly by removing or adding a new disc.
- (c) If required, re-index Disc Assembly as per applicable Maintenance Manual.
- (d) Attach to Disc Assembly a serviceable tag with inscription indicating compliance to applicable ASB.

2. For Disc Assembly installed on aircraft

- (a) Within 10 hours air time, remove Disc Assembly which is not within the required thickness of 0.115 - 0.127 inch (2.921 - 3.225 mm).

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



- (b) Within 300 hours air time or at next scheduled inspection, whichever comes first, remove Disc Assembly which is not properly indexed.
- (c) If Disc Assemblies, as per verification above, do not require any further action or manufacturing date is not between 1 November 2005 and 30 November 2006, make a log book annotation to this effect.

Authorization: For Minister of Transport, Infrastructure and Communities

P. Tang
Acting Chief, Continuing Airworthiness

Contact: Mr. Bogdan Gajewski, Continuing Airworthiness, Ottawa, telephone (613) 952-4450, facsimile (613) 996-9178 or e-mail: gajewsb@tc.gc.ca or any Transport Canada Centre