



No.	CF-2002-46	1/1
Issue Date	6 November 2002	

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- 2002-46

Subject: Bell 407 – Swashplate Drive Link

Effective: 6 November 2002

Applicability: Bell Helicopter Textron Canada (BHTC) Model 407 Helicopter

Compliance: Prior to next flight, unless already accomplished.

Background: There have been two reported failures of the stud portion of the swashplate drive link assembly P/N 406-010-426-101. The cup washer P/N 406-010-412-101, if installed upside down, can result in contact with the swashplate outer ring bearing liner P/N 406-010-417-101 resulting in stud failure. Failure of both swashplate drive link studs can result in loss of control of the rotorcraft.

Note: Revision 17 to BHT-407-MM-1 dated 25 October 2002 provides instruction for proper washer installation.

Corrective Actions: Part A:

Prior to next flight, conduct a visual check of both cup washers P/N 406-010-412-101 for correct installation in accordance with BHTC Alert Service Bulletin (ASB) 407-02-55 dated 29 October 2002, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Note: The visual check of Part A of this Directive is considered Elementary Work and, if away from technical support, may be done by a pilot endorsed on type. If the cup washers are installed correctly, annotate the maintenance records indicating that compliance with this AD has been accomplished.

Part B:

If one or both cup washers were installed upside down when checked as per Part A above, prior to next flight, replace the parts as per Part II of ASB 407-02-55 dated 29 October 2002, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Authorization: For Minister of Transport


for B. Goyaniuk
Chief, Continuing Airworthiness

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

Other: This directive was originally issued 6 November 2002 by facsimile and other electronic means.