




No.	CF-2001-24	1/1
Issue Date	11 June 2001	

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-2001-24
- Subject:** Bell 407 – K-Flex Shaft
- Effective:** Upon receipt.
- Applicability:** Bell Helicopter Textron Canada (BHTC) Model 407 helicopters, serial numbers 53000 through 53487.
- Compliance:** When indicated, but no later than 31 December 2001, unless already accomplished.
- Background:** During flight, the main drive shaft assembly P/N 206-340-300-105 (K-flex shaft) failed, causing engine shutdown and a forced landing. Three other incidents of the cracked flexframe on the forward end of the drive shaft (P/N 206-340-300-105) were also reported. Pending further corrective action, it was determined that a one-time visual inspection for any obvious discrepancy of the drive shaft is warranted. BHTC Alert Service Bulletin (ASB) 407-01-43 provides instruction for the required inspection.
- Corrective Actions:** In accordance with the following schedule, inspect the main drive shaft assembly P/N 206-340-300-105 (drive shaft) as per instructions outlined in BHTC ASB 407-01-43 dated 8 June 2001 or later revisions approved by the Director, Aircraft Certification, Transport Canada:
- (a) Within the next 25 hours air time:
 - (i) for drive shafts with more than 1000 hours air time, and
 - (ii) for drive shafts with less than 1000 hours air time that have been removed or installed since the helicopter was delivered; or
 - (b) Within the next 300 hours air time for drive shafts with less than 1000 hours air time that have never been removed or installed since the helicopter was delivered.
- Authorization:** For Minister of Transport
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- B. Goyaniuk
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.
- Other :** This directive was originally issued 11 June 2001 by facsimile and other electronic means.