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Sektion 2. Utlandstillverkad flygmateriel

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**TITEL:** Kontroll av "K-Flex" drivaxel.

**GÄLLER:** Bell Helicopter Textron Canada modeller 206L-4, 407 och 427.

**ÅTGÄRD:** Utför åtgärder i enlighet med part 1 och 2 i Transport Canada AD CF-2002-03R2

**TID FÖR ÅTGÄRD:** Senast 31 mars, 2002.

**UNDERLAG:** Bell Helicopter Textron Canada Alert Service Bulletins 206L-01-123, 427-01-04 daterade 12 oktober 2001 och 407-01-45 revision A daterad 21 november 2001 eller senare utgåvor.

**REFERENS:** TC AD CF-2002-03R2

**BESLUTSDATUM:** 21 mars 2002

**LFS** 2002:45

Åtgärder enligt LVD utgör nödvändig förutsättning för ifrågavarande flygmateriels luftvärdighet. Referens BCL M 1.11.  
Anteckning om åtgärd, som vidtagits i enlighet med LVD, skall införas i teknisk journal för berörd flygmateriel med hänvisning till ifrågavarande LVD-nummer. Angivet underlag refererar till senast gällande revision/utgåva. LVD utges i luftfartsverkets författningssamlingar LFS.

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No.	<b>CF-2002-03R2</b>	1/1
Issue Date <b>13 February 2002</b>		

## 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-2002-03R2

**Subject:** Bell 206L-4, 407 and 427 - KAflex Drive Shaft

**Effective:** 28 February 2002

**Revision:** This revision supersedes airworthiness directive CF-2002-03R1 to correct the Alert Service Bulletin number referenced below.

**Applicability:** Bell Helicopter Textron Canada (BHTC) Models 206L-4, 407 and 427 helicopters.

**Compliance:** As indicated, but no later than 31 March 2002, unless already accomplished.

**Background:** During flight, the engine-to-transmission drive shaft assembly P/N 206-340-300-105 (KAflex shaft) failed, causing a forced landing. Three additional incidents of a cracked flex frame on the forward end of the drive shaft on Model 407 have been reported. As a precautionary measure, a one-time visual inspection for any obvious discrepancy of the shaft was mandated on Model 407 by CF-2001-24.

It has been determined that the KAflex shaft on Model 407 helicopters is experiencing higher loads than on other helicopter models.

Since the KAflex shaft P/N 206-340-300-105 can also be installed on Models 206L-4 and 427, this directive requires a component review to determine if this KAflex shaft was previously installed on Model 407.

**Corrective Actions:**

**Part 1. Models 206L-4 and 427**


Review the Historical Service Record of the KAflex shaft to determine if it was ever installed on a Bell Model 407 helicopter.

- (a) If the KAflex shaft has never been installed on a Bell Model 407 helicopter, then annotate the helicopter log book as follows:  
"P/N 206-340-300-105 KAflex shaft has not been installed on a Bell 407.  
AD CF-2002-03 accomplished."
- (b) If the KAflex shaft P/N 206-340-300-105 has been previously installed for any length of time on a Bell 407 helicopter, remove from service as per the applicable schedule published in BHTC Alert Service Bulletins 206L-01-123 or 427-01-04, both dated 12 October 2001, or later revisions approved by the Director, Aircraft Certification, Transport Canada.

**Part 2. Model 407**

Remove shaft P/N 206-340-300-105 as per the compliance schedule provided in BHTC Alert Service Bulletin 407-01-45 Rev. "A" dated 21 November 2001, or later revisions approved by the Director, Aircraft Certification, Transport Canada.

**Authorization:** For Minister of Transport

  
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.