



No.	CF-2004-17R1	1/2
Issue Date	11 February 2005	

# 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-2004-17R1

**Subject:** Bell Helicopter 206L-4 and 407 – Freewheel Lubrication

**Effective:** Upon receipt.

**Revision:** Supersedes Airworthiness Directive CF-2004-17 issued on 7 September 2004.

**Applicability:** Bell Helicopter Textron Canada (BHTC) Models 206L-4 and 407 helicopters with freewheel aft bearing cap, P/N 406-040-509-101, serial numbers A-1833 thru A-1912, installed. All spare aft bearing caps are to be inspected for applicability.

**Compliance:** As indicated.

**Background:** Transport Canada has been advised that a manufacturing oversight has occurred where a lubrication channel to allow oil flow has not been machined into the aft bearing cap of some freewheel units.

Lack of lubrication may adversely affect the durability and potentially the function of the freewheel unit.

This revision requires the replacement of freewheel components if not already accomplished.

**Corrective Actions:** **Part A: Identification of Affected Aft Bearing Caps**

Upon receipt of this directive, determine the aft bearing cap serial number to identify if this directive is applicable as per Part I of the applicable Alert Service Bulletin listed in the accompanying table, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

**Part B: Rework of Affected Freewheel Assemblies**

Within the next 50 air time hours, after receipt of this directive, rework the affected freewheel assemblies in accordance with Part II or III as stipulated by the calculated average engine start cycle count identified in the applicable Alert Service Bulletin listed in the accompanying table, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

**Part C: Terminating Action**

Within the next 300 air time hours, but no later than 30 June 2005, rework the affected freewheel assemblies in accordance with Part IV of the applicable Alert Service Bulletin listed in the accompanying table, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

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](http://www.tc.gc.ca/civilaviation/communications/centre/address.asp)



<b>Model</b>	<b>Alert Service Bulletin</b>
206L-4	206L-04-129, Revision A
407	407-04-66, Revision A

**Authorization:** For Minister of Transport



B. Goyaniuk  
Chief, Continuing Airworthiness

**Contact:** Mr. Bill Taylor, Continuing Airworthiness, Ottawa, telephone 613 952-4366, facsimile 613 996-9178 or e-mail [taylorw@tc.gc.ca](mailto:taylorw@tc.gc.ca) or any Transport Canada Centre.