



No.	CF-2005-27R1	1/2
Issue Date	15 March 2006	

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-2005-27R1

Subject: Tail Rotor Counterweight Bellcrank

Effective: 29 August 2006

Revision: Supersedes Canadian Airworthiness Directive (AD) CF-2005-27 issued on 22 July 2005.

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

- 222 S/N 47006 through 47089;
- 222B S/N 47131 through 47156;
- 222U S/N 47501 through 47574;
- 230 S/N 23001 through 23038; and
- 430 S/N 49001 through 49105.

Compliance: As indicated unless already accomplished.

Background: It has been determined that tail rotor counterweight bellcrank, P/N 222-012-727-003 and P/N 222-012-727-105, may have manufacturing discrepancies, which can result in their failure in flight. BHTC has identified correctly manufactured P/N 222-012-727-105 parts by adding two prefix letters inscribed on the part before the serial number.

Revision 1 to this directive extends the compliance of Part C to 31 December 2006.

Corrective Actions: **Part A. Identification.**

Within the next ten (10) hours air time, identify the part number of the tail rotor counterweight Bellcrank installed on the aircraft and proceed as follows:

1. If part number 222-012-727-003 is installed, then proceed to Part C of this directive.
2. If part number 222-012-727-105 without the prefix letters is installed, then proceed to Part B of this directive.

Note: Part number 222-012-727-105, with the added prefix letters inscribed on the part before the serial number, satisfies the requirement of this directive.

Part B. Inspection.

1. Within the next ten (10) hours air time, inspect tail rotor counterweight bellcrank in accordance with instruction provided in Part I of the applicable Alert Service Bulletin (ASB) listed in Table 1, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.
2. Repeat this inspection at an interval of 50 hours air time until the part is removed as stipulated in Part C.

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

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Table 1.

Helicopter Model	Alert Service Bulletin
222 and 222B	222-04-101, Revision B, Part I
222U	222U-04-72, Revision B, Part I
230	230-04-32, Revision B, Part I
430	430-04-32, Revision B, Part I

Part C. Removal.

By 31 December 2006, remove from service the tail rotor counterweight bellcranks P/N 222- 012-727-003 and P/N 222-012-727-105 (without prefix letters) in accordance with the ASB listed in Table 2, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Table 2. Alert Service Bulletin

Helicopter Model	P/N 222-012-727-105	P/N 222-012-727-003
222 and 222B	222-04-101, Rev B, Part II	222-04-99, Rev C
222U	222U-04-72, Rev B, Part II	222U-04-70, Rev C
230	230-04-32, Rev B, Part II	230-04-30, Rev C
430	430-04-32, Rev B, Part II	430-04-30, Rev C

Authorization: For Minister of Transport

Luc Déniger
for 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.