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No. CF-96-03R2

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.

CF-96-03R2 BELL

Applies to all Bell Helicopter Textron Canada (BHTC) Model 222, 222B, 222U and 230 helicopters equipped with tail rotor blades P/N 222-016-001-101, -107, -111, -113, -115 and -119.

Compliance is required as indicated.

The original issue of this directive resulted from two separate occurrences in which the tail rotor blade skin on Bell Model 230 helicopters had cracked. In one of these incidents, the blade failed during flight. Investigation revealed fatigue cracks originating from sanding marks on the blade stainless steel skin. In another incident, a -111 blade failed due to a skin defect that was not due to grinding. Similar defects suspected on -115 and -119 blades resulted in issuance of Airworthiness Directive (AD) CF-96-03R1. The replacement blades - 123 and -127, of thicker skin with a better finished surface, are not susceptible to fatigue cracking.

Part A.

To ensure continuing airworthiness of the tail rotor blades, inspect the tail rotor blades before the next flight after 11 March 1996 and every 3.0 hours time-in-service thereafter as per the applicable BHTC alert service bulletin listed in the accompanying table. Repeat inspections may be performed by a trained and certified pilot, as per Airworthiness Manual Chapter 575, Appendix B.

Helicopter Model	Applicable Alert Service Bulletin
222 and 222B	222-95-76 Revision B
222U	222U-95-47 Revision B
230	230-95-8 Revision B

Part B

To prevent tail rotor blade failures, install blades P/N 222-016-001-123 or -127, or later dash numbers no later than 1 March 1997. The BHTC alert service bulletins listed in the accompanying table refer. This replacement of the blades constitutes the terminating action of Part A.

Helicopter Model	Applicable Alert Service Bulletin
222 and 222B	222-96-79
222U	222U-96-50
230	230-96-11

Alternative means of compliance with the requirements of this directive may be used only if approved by the Director, Aircraft Certification, Transport Canada, Ottawa. Any application should be made to the

appropriate regional office.

This directive supersedes Airworthiness Directive CF-96-03R1 issued 28 June 1996.

This directive becomes effective 31 December 1996.

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 <http://www.tc.gc.ca/civilaviation/communications/centre/address.asp>.

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