



CIVIL AVIATION AUTHORITY  
CZECH REPUBLIC  
**Airworthiness Division**  
Airport Ruzyne, 160 08 Prague 6  
Tel: 420 233320922, fax: 420 220562270

## AIRWORTHINESS DIRECTIVE

**Number: CAA-AD-T-026/2004R1**  
Supersedes CAA-AD-T-026/2004  
Date of issue: July 22, 2004  
**Bell Helicopter TextronCanada**  
206A, 206B, 206L

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*This AD has been issued in accordance with Decision No.: 2/2003 of the Executive Director of the EASA (ADs issued by the state of design are automatically adopted in EU member states).*

### **HELICOPTER – TAIL ROTOR BLADE – INSPECTION/REPLACEMENT**

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**Applicability:** Bell Helicopter Textron Canada Models 206A, 206B helicopters equipped with tail rotor blade, part numbers 206-016-201-131 or 206-016-201-133, and 206L series helicopters equipped with tail rotor blade, part number 206-016-201-131, with serial numbers identified in the applicable Alert Service Bulletin (ASB) identified in Table 1 TC AD CF-2004-05R1.

**Effective date:** Upon receipt.

**Compliance:** Required as indicated in TC AD CF-2004-05R1.

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*Remarks: The compliance of this AD must be recorded in Aircraft Logbook, where applicable the requirements of this AD must be integrated into Aircraft Technical Documentation. Address inquiries concerning this AD to: Civil Aviation Authority, Airworthiness Division, Ruzyne Airport, 160 08 Prague 6, Czech Republic, tel: 420 233320922, fax: 420 220562270.*

**Ing. Pavel MATOUŠEK**  
director

**Transport  
Canada**

**No. CF-2004-05R1**

**Issue Date: 28 June 2004**

**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-2004-05R1

**Subject:** Bell 206A, 206B, 206L Series – Tail Rotor Blade Trailing Edge Skin Cracks

**Effective:** 23 March 2004

**Revision:** Supersedes Airworthiness Directive (AD) CF-2004-05 issued 23 March 2004.

**Applicability:** Bell Helicopter Textron Canada Models 206A, 206B helicopters equipped with tail rotor blade, part numbers 206-016-201-131 or 206-016-201-133, and 206L series helicopters equipped with tail rotor blade, part number 206-016-201-131, with serial numbers identified in the applicable Alert Service Bulletin (ASB) identified in Table 1.

**Compliance:** As indicated.

**Background:** Transport Canada has been advised of three (3) occurrences of skin cracks originating near the tail rotor blade trailing edge balance weight. Two of the occurrences caused a loss of the weight and a strip of material along the trailing edge leading to an imbalance, which caused the fracture of three of the four tail rotor gearbox attachments. One of these occurrences resulted in the gearbox shifting that caused failure of the drive shaft and resulting loss of yaw control.

This revision introduces terminating action requiring affected blades to be inspected for acceptable tail rotor blade skin thickness.

**Corrective  
Actions:** Part A: Identification of Affected Tail Rotor Blades

1. 1. Prior to next flight after the effective date of this directive, verify if the rotorcraft is equipped with rotor blades identified in the "Component Affected" section of the applicable Alert Service Bulletin as listed in Table 1. If the rotorcraft is equipped with an affected blade, enter the part number and serial number into the journey logbook. If not equipped, indicate that the aircraft is not equipped with blades affected by this directive. If away from technical support, the pilot may conduct this activity.
2. 2. Prior to the installation of any spare blade, if it is listed in the "Component Affected" section of the applicable ASB, the blade is to be identified with a "Blue Diamond" decal as per PART II, paragraph 4, of the bulletin.

Part B: Initial and Recurring Check For Tail Rotor Blade Cracks

Check the affected tail rotor blade for cracking prior to the next flight after the effective date of this directive, and at repeat intervals, as per the instructions in PART I of the applicable Alert Service Bulletin as listed in Table 1. If a crack is found, replace the failed part prior to next flight.

While away from technical support, PART 1a., “Recurring 3-Flight Hour Check” identified in the applicable ASB, may be done by a pilot specifically trained and authorized for the task in accordance with Canadian Aviation Regulations.

**Part C: Schedule 100-hour / Annual Inspection For Tail Rotor Blade Cracks**

At the next, and recurring, 100-hour scheduled inspection or annual inspection, which ever occurs first after the effective date of this directive, perform a visual inspection with magnification of the tail rotor blade in accordance with PART II of the applicable ASB as listed in Table 1. If a crack is found, replace the failed part prior to next flight.

**Part D: Terminating Inspection**

By no later than 27 April 2007, send the affected tail rotor blades to the repair facility identified in Part III of the applicable Alert Service Bulletin as listed in Table 1. Tail rotor blades found with unacceptable blade skin thickness are to be removed from service.

<b>TABLE 1</b>	
<b>Helicopter Model</b>	<b>Alert Service Bulletin</b>
206 A, 206 B	206-04-100 Revision B, or later revisions approved by Chief, Continuing Airworthiness, Transport Canada
206 L Series	206L-04-127, Revision B, or later revisions approved by Chief, Continuing Airworthiness, Transport Canada

**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 or any Transport Canada Centre.

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**