



No.	CF-2005-30	1/2
Issue Date	3 August 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-2005-30

Subject: V_{NE} - Instrumentation Change

Effective: 12 September 2005

Applicability: Bell Helicopter Textron Canada (BHTC) Model 430 helicopters:

- S/N 49001 through 49103, equipped with Overspeed Warning Kit, P/N 430-706-004-101 or 430-706-004-103.
- S/N 49001 through 49100, equipped with Single AFCS with Flight Director Kit, P/N 430-705-009-103/ -105/ -109/ -111/ -115/ -117, or P/N 430-705-011-109/ -111/-121/ -123.
- S/N 49001 through 49100 equipped with Dual AFCS with Flight Director Kit, P/N 430-705-011-103 / -105/ -115/ -117/ -125/ -127/ -129/ -133/ -135/ -137.

Compliance: As indicated unless already accomplished but not later than 31 July 2007.

Background: It has been determined that modification to the helicopter's instrumentation is required to reflect the V_{NE} values tested at temperatures to minus 40 degrees Centigrade (-40°C). This modification affects the software in the V_{NE} Overspeed Warning Computer (required for Category A operations) and in the AFCS Air Data Computer. The replacement of the Airspeed Indicator and the V_{NE} Converter for the pilot and copilot is also necessary.

Corrective Actions: **Part A. Helicopters Equipped with Overspeed Warning Kit:**

In accordance with Part 1 of Alert Service Bulletin (ASB) 430-05-35 or later revision approved by the Chief, Continuing Airworthiness, Transport Canada:

1. Replace the V_{NE} Overspeed Warning Computer, the pilot and copilot Airspeed Indicator, and the V_{NE} Converter.
2. Remove the decal, P/N 430-075-070-103, from below the pilot and copilot Airspeed Indicators.

Part B. Helicopters Equipped with Single or Dual AFCS with Flight Director Kit:

In accordance with Part 2 of Alert Service Bulletin (ASB) 430-05-35, or later revision approved by the Chief, Continuing Airworthiness, Transport Canada:

1. Replace the AFCS Air Data Computer Adapter module.
2. Remove the decal, P/N 430-075-070-101, from above the pilot and copilot horizontal situation indicator (HSI) display.

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



Authorization: For Minister of Transport



R. William Taylor
Acting 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.