



No.	<b>CF-2001-29</b>	1/1
Issue Date	24 July 2001	

# 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-2001-29

**Subject:** Bell 222, 222B, 222U and 230 – Rotating Ring Assembly

**Effective:** 31 August 2001

**Applicability:** 1. The following Bell Helicopter Textron Canada (BHTC) Model 222, 222B, 222U and 230 helicopters having rotating ring assemblies P/N 222-010-403-005, -113 and -117 equipped with drive pins P/N 230-010-402-101 or -103:

- (a) Model 222 S/N 47008 through 47089,
- (b) Model 222B S/N 47131 through 47156,
- (c) Model 222U S/N 47501 through 47574, and
- (d) Model 230 S/N 23001 through 23038.

2. Spare rotating ring assemblies P/N 222-010-403-005, -113 and -117 equipped with drive pins P/N 230-010-402-101 or -103.

Note: Rotating ring assemblies P/N 222-010-403-117 identified with serial number "TI XXX" are not affected.

**Compliance:** At the first scheduled 50-hour inspection after the effective date of this directive, but no later than 31 October 2001, unless already accomplished.

**Background:** There were reports of interference between the new pin P/N 230-010-402-101 and the rotating ring drive pin bore. The radius at the inboard surface of the rotating ring drive pin hole may be inadequate. BHTC has issued a series of alert service bulletins to provide instructions to inspect the drive pin to rotating ring joint.

**Corrective Actions:** Inspect the radius at the inboard surface of the rotating ring drive pin hole, in accordance with the following applicable alert service bulletin dated 18 May 2001 or later revision approved by the Director, Aircraft Certification, Transport Canada. The radius should be 0.060 to 0.090 inch. If the radius is not within limits, the rotating ring assembly, including the drive pins, must be removed before further flight and scrapped.

Helicopter Model	Alert Service Bulletin
222 and 222B	222-01-90
222U	222U-01-61
230	230-01-23

**Authorization:** For Minister of Transport

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.