



No.	CF-2011-17	1/2
Issue Date	30 June 2011	

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) 521 Division X**. 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), National Aircraft Certification Branch, Transport Canada, Ottawa, telephone 613 952-4357.

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TRANSPORT CANADA EMERGENCY AIRWORTHINESS DIRECTIVE

PLEASE FORWARD IMMEDIATELY TO THE PERSON RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF YOUR AIRCRAFT

- Number:** CF- 2011-17
- Subject:** Incorrect Assembly of Hydraulic Servo Actuators
- Effective:** 30 June 2011
- Applicability:** Bell Helicopter Textron Canada (BHTC) helicopters:
Model 407, serial numbers 53000 through 53900, 53911 through 53999 and 54000 through 54070
Model 427, serial numbers 56001 through 56077, 58001 and 58002
- Compliance:** As indicated below.
- Background:** Transport Canada was advised that a quality escape by a supplier has occurred and a number of Bell Helicopter hydraulic servo actuators may have a loose nut, shaft, and clevis assembly. The loose connection is due to improper lock washer installation. This discrepancy is not traceable or identifiable except by inspection. A disconnect of the affected components may lead to loss of control of the helicopter.
- This directive mandates inspections and rectification of the nut, shaft and clevis assembly for all affected components.
- Corrective Actions:**
- A. Upon receipt of this directive and prior to next flight, identify the applicable Bell Alert Service Bulletin (ASB) listed below and determine the helicopter hydraulic servo actuator part number and serial number in accordance with the applicable accomplishment instructions in Steps 1 and 2 of the ASB listed below.

Helicopter Model	Alert Service Bulletin	Date
407	407-11-96	29 June 2011
427	427-11-35	29 June 2011

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



- B. If the part number and serial number determined from paragraph A are listed in Table 1 of the above-mentioned ASB, then *prior to next flight*, perform inspections in accordance with the accomplishment instructions in Step 3 of the ASB.
- C. If the part number and serial number determined from paragraph A are not listed in paragraph B, but are listed below, then *within 25 hours air time from the effective date of this directive, but no later than 31 July 2011*, inspect in accordance with the accomplishment instructions in Step 3 of the above-mentioned ASB.

Helicopter Model	Part number	Serial number
407	41011300-101 (BHT 206-076-062-105)	Prior to 807
	41011400-101 (BHT 206-076-062-107)	Prior to 2248
427	41011300-101 (BHT 206-076-062-111)	Prior to 807
	41011700-101 (BHT 206-076-062-109)	Prior to 230

- D. If the part number and serial number are not listed in paragraphs A or B of this directive, no further action is required.
- E. Any spare parts with part numbers and serial numbers as identified in paragraph B or C must have completed inspections in accordance with the accomplishment instructions in Step 3 of the applicable above-mentioned ASB prior to installation on a helicopter.

Authorization: For the Minister of Transport, Infrastructure and Communities

ORIGINAL SIGNED BY

Derek Ferguson
Chief, Continuing Airworthiness

Contact: Ms. Yosha Mendis, Continuing Airworthiness, Ottawa, telephone 613-952-4357, facsimile 613-996-9178 or e-mail CAWWEBFeedback@tc.gc.ca or any Transport Canada Centre.