



No.	CF-2011-19R1	1/2
Issue Date	7 December 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.

- Number:** CF- 2011-19R1
- Subject:** Incorrect Assembly of Hydraulic Servo Actuators
- Revision:** Supersedes Airworthiness Directive CF-2011-19
- Effective:** 19 December 2011
- Applicability:** Bell Helicopter Textron Canada (BHTC) helicopters equipped with servo actuators part number 206-076-062-103:
Models 206L, 206L1, 206L3, all serial numbers, Model 206L4, serial numbers 52001 through 52430.
- Compliance:** As indicated below, unless already accomplished.
- 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.

The original issue of this Airworthiness Directive (AD) mandates the inspection and, if required, rectification of the lock washer installation.

Since the publication of the original issue of this AD, it has been discovered that additional servo actuator serial numbers may be affected. Therefore, Revision One (R1) of this AD is issued to extend a one-time inspection for the installed actuators of all serial numbers. Those actuators already inspected as per the original issue of this AD are to be re-identified with the letter "V" at the end of the part number.
- Corrective Actions:**
 - A. Before next flight, perform a one-time inspection and the applicable rectifications of the hydraulic servo actuator, in accordance with the Accomplishment Instructions of Alert Service Bulletin (ASB) 206L-11-169 Revision B dated 22 August 2011, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Previous inspections and rectifications carried out in accordance with the original issue of this AD meet the requirements of this paragraph.
 - B. For actuators that have already been inspected and have incorporated the applicable rectifications in accordance with the original issue of this AD and for those that meet the requirements of paragraph A above, within the next 110 hours air time, re-identify the actuator data plate with the letter "V" at the end of the part number, in accordance with the above-noted ASB.

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**



- C. As of the effective date of this AD, no person may install affected servo actuators, part number 206-076-062-103, on Bell Helicopter Textron Canada helicopter Models 206L, 206L1, 206L3 or 206L4, unless the actuator complies with the requirements of this AD and is identified with the letter "V" after the part number.

Authorization: For the Minister of Transport, Infrastructure and Communities

ORIGINAL SIGNED BY

Derek Ferguson
Chief, Continuing Airworthiness

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