



No.	CF-2007-26	1/2
Issue Date	7 November 2007	

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.

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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-2007-26

Subject: Cracking of Upper Engine Mount Brackets

Effective: Immediately upon receipt.

Applicability: All Viking Air (formerly Bombardier Inc.) Model DHC-4 and DHC-4A aircraft.

Compliance: As indicated below, unless already accomplished.

Background: During a heavy maintenance check on a DHC-4 aircraft, an operator discovered that both of the upper engine mount bracket assemblies on one aircraft were cracked. Further inspection of the operator's fleet confirmed that engine mount bracket assemblies on five out of ten aircraft were also cracked.

As an interim action to prevent failure of upper engine mount bracket assemblies, this directive mandates a one-time fluorescent penetrant inspection. Subsequent corrective action may be implemented in the future pending results of the investigation.

Corrective Action: **A. Maintenance Action**

Within 10 hours air time after the effective date of this directive, carry out a fluorescent penetrant inspection (FPI) to detect cracks on part number C4WM1090-1 and C4WM1090-2 upper engine mount bracket assemblies, according to Viking Air Ltd. All Operator Message (AOM) No. 2007-4-11-02, dated 2 November 2007 or later revisions. In carrying out the FPI, a minimum sensitivity level of 3 or higher is acceptable. Replace any cracked engine mount bracket assembly with a serviceable part prior to further flight.

B. Reporting Requirement

Within 7 days after the inspection of paragraph A. above, report any crack found to:

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

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