



Transport
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No. CF-82-34

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.

CF-82-34 DE HAVILLAND

Applies to all de Havilland Aircraft of Canada DHC-3 Otter aircraft.

Compliance is required:

- (a) before next flight, unless already accomplished, and subsequently at intervals not exceeding 100 flight hours, until incorporation of de Havilland Modification Number 3/930.
- (b) before further flight whenever a parked aircraft, whether it incorporates Mod. Number 3/930 or not, has been exposed to winds with an estimated velocity of 35 m.p.h. or more.

Cracks have been detected in the lower welded assembly, Part Number C3CF39-13 or C3CF39-15, at the base of several control columns. Investigation has shown that the cracks can form as the result of ground gust loads acting on the elevator surfaces.

To prevent failure of the control column, visually inspect for cracks, using a mirror and flashlight, the lower welded assembly Part Number C3CF39-13 or C3CF39-15, forming the base of the control column, paying particular attention to the welds on the lower surface and the area around the aileron control chain exit holes. If cracks are detected the control column assembly must either be repaired in an approved manner or replaced by a serviceable unit within the times specified below:

- 1. Control column assembly Part Number C3CF39-13.
 - 1.1 For cracks of any length, no further flight is permissible.
- 2. Control column assembly Part Number C3CF39-15.
 - 2.1 For cracks less than one inch in length, 150 further flight hours are permissible provided that the inspection is repeated at intervals not exceeding 25 flight hours.

For cracks of one to two inches in length, a single ferry flight, approved by the Regional Office of the Department of Transport, to a repair base is permissible.

- 2.3 For cracks greater than two inches in length, no further flight is permissible.

A serviceable control column can be achieved by installing either a new assembly Part Number C3CF39-21, which incorporates de Havilland Modification Number 3/930, or an assembly Part Number C3CF39-15 which is either uncracked or repaired in an approved manner.

Details of the methods of inspection and replacement, as well as an acceptable repair scheme, are given in de Havilland Service Bulletin Number 3/39, dated October 8, 1982, or later issue approved by the Director, Airworthiness Branch, Department of Transport.

This Directive becomes effective January 14, 1983.

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 1-800-395-2999.

2059, or <http://www.tc.gc.ca/civilaviation/communications/centre/address.asp>.
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