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No. CF-98-01

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-98-01 DE HAVILLAND

Applies to de Havilland Inc. DHC-8 aircraft Models 102 and 103, serial numbers 003 through 050, inclusive.

Compliance is required as indicated, unless already accomplished.

There have been two reported cases of disbonding of the doubler and stringers on the upper and lower skin panels of the horizontal stabilizer on two aeroplanes. One operator reported finding a local disbond, while the other operator reported a wide-area disbond which resulted in a residual strength below certification requirements. It is suspected that the bonding process may not have been properly carried out on the horizontal stabilizers of the aeroplanes affected by this directive.

To prevent structural failure of the horizontal stabilizer which could result in loss of aeroplane control, accomplish the following:

A. Perform a one-time ultrasonic bond inspection of the upper and lower skin panels (part numbers 85510025 and 85510026) of the horizontal stabilizer for disbond as outlined in de Havilland document PSM

1-8-7A, part 5, section 55-00-01, in accordance with the following schedule:

1. For aeroplane serial numbers 010 through 040, within 20 flights or 7 calendar days, whichever occurs first, from the effective date of this directive; and
2. For aeroplane serial numbers 003 through 009, and 041 through 050, within 60 flights or 7 calendar days, whichever occurs first, from the effective date of this directive.

B. Aeroplanes that have received the inspection required by paragraph A within the 6 months prior to the effective date of this directive need not repeat the inspection for the purpose of this directive. Report inspection findings in accordance with paragraph D.

C. Disbonds beyond the local disbond limits defined in de Havilland document PSM 1-8-7A, part 5, section 55-00-01 shall be repaired prior to next flight.

D. Within 2 days following the accomplishment of the inspection per paragraph A, or in the case of paragraph B, within 2 days after the effective date of this directive, report the result of inspection, regardless of findings, to Bombardier Aerospace Regional Aircraft, Technical Services, at telephone (416) 375-4000 or facsimile (416) 375-4539. Where disbond has been detected, sufficient details should be provided to allow an accurate description and identification of the area/part affected.

E. A ferry flight permit to fly the aeroplane to a location where the requirements of this directive can be accomplished may be granted by application to your nearest Transport Canada Centre.

Alternative means of compliance with the requirements of this directive may be used only if approved by the Director, Aircraft Certification, Transport Canada, Ottawa. Any application should be made to the appropriate Transport Canada Centre.

This directive becomes effective 19 February 1998.

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

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