Transport Canada Transports Canada

Canada

No. CF-99-15R1

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-99-15R1 BOMBARDIER

Applies to Bombardier Inc. (formerly de Havilland) Model DHC-8 aircraft which have horizontal stabilizers, serial numbers CAP 003 to CAP 050.

Note: As the aircraft serial number may not be the same as that of the horizontal stabilizer, it may be necessary to check the data plate on the left side of the horizontal stabilizer and the component record cards to identify the stabilizer.

Compliance is required within two (2) months after the effective date of this directive, unless already accomplished.

The results of the inspections mandated by Airworthiness Directives CF-98-01 and CF-98-24 have identified the need for an additional disbonding check of the skin panels on the horizontal stabilizers with serial numbers CAP 003 to CAP 050. This revision is issued to reflect the issue of AEROC 8.4.AC.12 Issue 2 which incorporates new test criteria for the horizontal stabilizer skin test coupons.

To detect and correct disbonding of the horizontal stabilizer which, if not addressed, could result in loss of controllability of the aircraft, accomplish the following:

1. In accordance with instructions contained in Bombardier Repair Drawing (RD) RD8-55-669 Issue 3, dated 17 March 1999, cut small samples from the affected bonded horizontal stabilizer skins as test coupons for bonding integrity testing.

2. Mark the cut samples in accordance with the instructions provided in RD8-55-669 Issue 3.

3. Send the cut samples to Bombardier Aerospace at the address shown in RD8-55-669 Issue 3 for testing.

4. Aircraft repaired in accordance with RD8-55-669 Issue 3 may be returned to service for a period not to exceed thirty (30) days from the date of installation of the repair.

5. The horizontal stabilizer may be returned to the normal bonding integrity inspection program in accordance with PSM 1-8-7, provided Bombardier Aerospace indicates the bonding samples meet the acceptance criteria specified in the Appendix to Bombardier engineering document, AEROC 8.4.AC.12, Section 55-0013-1, Issue 2 or later revisions approved by Director, Aircraft Certification, Transport Canada.

6. The horizontal stabilizer must be replaced and/or repaired prior to further flight if the bonding samples fail to meet the criteria mentioned in paragraph 5 above.

This revision supersedes Airworthiness Directive CF-99-15 issued 8 June 1999.

This directive becomes effective 6 December 1999.

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

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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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