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No. CF-99-27

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-99-27 BOMBARDIER

Applies to:

- i. All Bombardier Inc. (formerly de Havilland) DHC-8 Model 301 aircraft, which comprise serial numbers 100, 108, 116, 124, 131, 137, 143, 149, 154, 159, 164, 169, 174, 180, 182, 184, 186, 188, 190, 192, 194, 196, 198 and 200; and
- ii. All upper wing access panels, part number 85711539-003, held as spares.

Compliance is required within 12 months after the effective date of this directive, unless already accomplished.

It has been determined that a DHC-8 subcontractor built the Model 301 upper wing access panels with doublers having less than the required thickness; thus, the panels are not in compliance with the Model 301 specification. Analysis indicates that if the affected panels are exposed to the critical design loads, the panel attachment holes may elongate which could reduce the structural integrity of the wing.

To prevent failure of the upper wing access panels, accomplish the following:

A. Upper Wing Access Panel Assemblies Installed on Aircraft

1. Remove the two upper wing access panel assemblies, part number (P/N) 85711539-003, from the aircraft (aircraft zones 522AT and 622AT) in accordance with de Havilland DASH 8 Maintenance Manual PSM 1-83-2, Chapter 57-30-10.
2. Check the access panel manufacturing date which is stamped on the underside of the panel, below the vendor subassembly P/N 8571139-S003.
 - a. Wing access panel assemblies with a manufacturing date of 1 October 1997 or later may be reinstalled.
 - b. Wing access panel assemblies with a manufacturing date of 30 September 1997 or earlier must be destroyed and replaced with a new panel.
3. Reinstall two upper wing access panel assemblies P/N 85711539-003, which have manufacturing dates of 1 October 1997 or later, in accordance with de Havilland DASH 8 Maintenance Manual PSM 1-83-2, Chapter 57-30-10.

B. Upper Wing Access Panel Assemblies Held as Spares

1. Inspect all spare upper wing access panel assemblies with P/N 85711539-003.
 - a. Wing access panel assemblies with a manufacturing date of 1 October 1997 or later may be used on aircraft.

- b. Wing access panel assemblies with a manufacturing date of 30 September 1997 or earlier must be removed from stock and destroyed.

This directive becomes effective 12 November 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 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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