



No.	CF-1998-08R2
Issue Date	12 July 2000

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-1998-08R2 BOMBARDIER

Applies to Bombardier Inc. (formerly de Havilland) DHC-8 aircraft, Models 102, 103, 106, 201, 202, 301, 311, 314 and 315, serial numbers 3 through 540, excluding 462.

Compliance is required not later than 36 months after the effective date of this directive, unless already accomplished.

A DHC-8 aircraft experienced an uncommanded engine shut-down in flight due to a short circuit between adjacent wires located in the left underfloor cable trough. The short circuit resulted in a 28-volt signal being applied to the fuel shut-off valve. An investigation revealed that the short circuit was caused by the chafing of wires on sharp edges on the cherrymax rivets in the cable trough.

This directive has been revised to address the omission of a section of the underfloor cable trough in the instructions for inspecting the wires and for incorporating Bombardier Modification 8/2705 in aircraft Models 102, 103, 106, 201 and 202. The additional instructions have been published in Bombardier Service Bulletin 8-53-80 dated 22 December 1999.

To preclude wire chafing that could result in uncommanded system activations or failures, accomplish the following:

Inspect the wires in the underfloor cable trough, and incorporate Bombardier Modification 8/2705, in accordance with the approved instructions provided in the following Bombardier service bulletins or their later revisions approved by the Director, Aircraft Certification, Transport Canada:

DHC-8 Model	Bombardier Service Bulletin	Service Bulletin Date
102, 103, 106, 201 and 202	8-53-66	27 March 1998
	and 8-53-80	and 22 December 1999
301, 311, 314 and 315	8-53-66	27 March 1998

Report the results of the inspections to Bombardier using Table 1 of the above-mentioned service bulletins.

This revision supersedes Airworthiness Directive CF-98-08R1 issued 16 September 1998.

