



No.	<b>CF-2003-22</b>	1/1
Issue Date 3 September 2003		

# 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.

**Number:** CF-2003-22

**Subject:** Bombardier DHC-8 – APU Fuel Line Chafing

**Effective:** 10 October 2003

**Applicability:** Bombardier Inc. DHC-8 Series 100, 200 and 300 aircraft serial numbers 003 through 585 with Auxiliary Power Unit (APU) installation per Standard Option Only (S.O.O.) 8155 or Change Request (CR) 849SO08155.

**Compliance:** Compliance is required as indicated, unless already accomplished.

**Background:** Investigation of a fuel leak incident revealed chafing of the APU fuel tube assembly on the bleed air duct shroud located in the center wing area. The APU fuel tube assembly is attached to a fairlead by two clamps. In some instances, incorrect installation of the clamps on the fairlead may result in insufficient clearance and can cause a fouling condition between the fuel line and the bleed duct or the gust lock cable. Bombardier has issued Service Bulletin (SB) 8-49-19 to provide inspection instructions and corrective actions to ensure integrity of the APU fuel tube.

**Corrective Actions:** Within six months after the effective date of this directive, perform the inspection and rectification (if required) of the APU fuel tube assembly, Part Number 82830105-139, in accordance with Bombardier SB 8-49-19 dated 13 May 2003, or SB 8-49-19 Revision 'A' dated 7 July 2003, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

**Authorization:** For Minister of Transport

R.A. Raoux  
Acting Chief, Continuing Airworthiness

**Contact:** Mr. Robin Lau, Transport Canada, Continuing Airworthiness, Ottawa, telephone (613) 952-4461, facsimile (613) 996-9178 or e-mail [laur@tc.gc.ca](mailto:laur@tc.gc.ca) or any Transport Canada Centre.