



No.	CF-2001-12	1/1
Issue Date	2 March 2001	

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-2001-12

Subject: Bombardier DHC-8 - PCU Oil pump

Effective: 12 March 2001.

Applicability: Bombardier Inc. DHC-8 Series 100, 200 and 300 aircraft, serial numbers 003 to 554, not incorporating propeller control unit (PCU) backup pressure regulator (Bombardier ModSum 8Q101041, Service Bulletin 8-61-31).

Compliance: Within 24 months after the effective date of this directive, or at the next scheduled shop visit, whichever occurs first, unless already accomplished.

Background: There have been a few incidents of external oil leaks from the PCU oil pump due to a malfunction of the pressure regulating valve. The high internal oil pressure may result in a fracture of the pump body, loss of engine oil, and the inability to maintain engine oil pressure and feather the propeller. Bombardier has developed a backup pressure regulating valve to limit the PCU oil circuit pressure if the PCU pump regulating valve malfunctions.

Corrective Actions: Incorporate Bombardier ModSum 8Q101041 (which calls for the installation of a backup pressure regulating valve, Woodward Governor part number 8100-300) on both engines, in accordance with Bombardier Service Bulletin 8-61-31 dated 17 October 2000, or later revisions approved by the Director, Aircraft Certification, Transport Canada.

Authorization: For Minister of Transport

B. Goyaniuk
Chief, Continuing Airworthiness

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