



No.	CF-2001-04	1/2
Issue Date	25 January 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-2001-04

Subject: Bombardier DHC-8 - Rudder Pedal Mechanism

Effective: 2 March 2001.

Applicability: Bombardier Inc. DHC-8 aircraft, Series 100, 200 and 300, serial numbers 003 to 563.

Compliance: When indicated, unless already accomplished.

Background: Three instances of stiff rudder pedal operation caused by cracking and deforming upper rudder pedal adjustment fittings have been reported. If not corrected, this condition could result in jammed rudder pedals and loss of rudder control.

Corrective Actions:

1. Initially within 5000 hours air time since new or within 500 hours air time after the effective date of this directive, whichever occurs later, and thereafter at intervals not to exceed 1000 hours air time, inspect the rudder pedal adjustment fittings, P/N 82710038-101, for cracks in accordance with the Accomplishment Instructions contained in the Bombardier Alert Service Bulletin (ASB) A8-27-91, dated 12 September 2000, or later revisions approved by the Director, Aircraft Certification, Transport Canada.

Note: When performing maintenance checks carried out in response to a reported rudder control system defect exhibiting characteristics such as binding or a change in stiffness of the rudder pedal movement during aircraft operation, the rudder pedal adjustment fitting should be inspected in accordance with the above-noted ASB before further flight.

2. Fittings may be replaced by either new aluminum fittings, P/N 82710038-101, or steel fittings, P/N 82710080-101, in accordance with the following:
 - (a) New aluminum fittings, P/N 82710038-101, must be inspected in accordance with the Accomplishment Instructions of the above noted Bombardier ASB A8-27-91, initially within 5000 hours air time after installation and thereafter at intervals not to exceed 1000 hours air time.
 - (b) Installation of a new steel fitting, P/N 82710080-101, (Bombardier ModSum 8Q101156) constitutes terminating action of this directive.

3. Replace any cracked fitting before further flight.

Authorization: For Minister of Transport



B. Goyaniuk
Chief, Continuing Airworthiness

Contact: Mr. Peter von Moos, Continuing Airworthiness, Ottawa, telephone (613) 952-4428, facsimile (613) 996-9178 or e-mail vonmoop@tc.gc.ca or any Transport Canada Centre.