



No.	CF-2001-27	1/1
Issue Date	24 July 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-2001-27

Subject: Bombardier CL-600-2B19 "RJ" – Power Transfer Contactors

Effective: 15 August 2001

Applicability: Bombardier Inc. Model CL-600-2B19 "Regional Jet", serial numbers 7003 through 7495, 7497 through 7502 and 7505 through 7507.

Compliance: When indicated, unless already accomplished.

Background: ADG emergency hydraulic power transfer contactor (K1XC), ADG emergency electrical power transfer contactor (K2XD) and AC essential power transfer contactor (K3XD), manufactured between 12 March 2000 and 10 December 2000, may have defective moving blade assemblies that could result in premature failure of these contactors.

Corrective Actions:

1. From the effective date of this directive, power transfer contactors K1XC, K2XD and K3XD (P/N H-A4A-039) that have a manufacturing date code of 0011 through 0050, shall not be installed in any aircraft.

2. (a) Within 14 calendar days after the effective date of this directive, determine, in accordance with the procedures in Bombardier Alert Service Bulletin (ASB) A601R-24-105 dated 4 July 2001 or later revisions approved by the Director, Aircraft Certification, Transport Canada, if installed power transfer contactors K1XC, K2XD and K3XD (P/N H-A4A-039) have a manufacturing date code of 0011 through 0050. Below in this directive, the power transfer contactors with manufacturing date code 0011 through 0050 are referred to as "suspect contactors".

- (b) For aircraft, determined to have a suspect K1XC and/or a K2XD contactor installed, dispatch with an inoperative IDG or APU generator is prohibited until such time as the suspect contactor(s) is/are replaced as detailed in paragraphs 3 and 4 of this directive.

3. Within 500 hours air time after the effective date of this directive, replace suspect K1XC contactors in accordance with the above-mentioned Bombardier ASB A601R-24-105.

4. Within 1000 hours air time after the effective date of this directive, replace suspect K2XD and K3XD contactors in accordance with the above-mentioned ASB.

Authorization: For Minister of Transport

B. Goyaniuk
Chief, Continuing Airworthiness

Contact: Mr. Ian Mc Lellan, Continuing Airworthiness, Ottawa, telephone (613) 952-4362, facsimile (613) 996-9178 or e-mail mclelli@tc.gc.ca or any Transport Canada Centre.