



No.	CF-2000-17R1	1/2
Date	30 October 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 AN 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, AIRCRAFT CERTIFICATION BRANCH, TRANSPORT CANADA, OTTAWA.

CF-2000-17R1 BOMBARDIER

Applies to Bombardier Inc. (formerly Canadair) Model CL-600-2B19 "Regional Jet" aircraft, serial numbers 7003 through 7269.

Compliance is required within 60 days or 550 hours flight time after the effective date of this directive, whichever occurs first.

A number of reports have been received of chafing of the integrated drive generator (IDG) cables on the firewall separators. This condition, if not corrected, could lead to the in-flight loss of electrical power and/or loss of integrity of the firewall separators.

This directive has been revised to ensure that IDG cable clamp P/N TA121010R14-04 has been installed in both the left (LH) and right (RH) pylons.

To detect and correct damage to the IDG cables and the firewall separators, accomplish the following in accordance with Section 2, Accomplishment Instructions, of Bombardier Alert Service Bulletin (ASB) A601R-24-091 Revision B dated 14 September 2000, or later revisions approved by the Director, Aircraft Certification, Transport Canada:

- A. Visually inspect the IDG cables and the firewall separators of the pylon for chafing and damage. Depending on the results, accomplish paragraphs 1, 2, 3 or 4 as follows:
 1. If no chafing or damage to the cables is detected, install conduits (P/N S1244H-6) over the IDG cables, install IDG cable clamp (P/Ns TA121010R14-04), and install teflon strips (P/Ns 601R37138-21/S and 601R37138-23/S) on the left and right firewall separators at FS661.35 and FS666.10.
 2. If an IDG cable jacket is found to be damaged, but the inner core is not visible or damaged, prior to further flight, repair the damaged IDG cable. Upon completing the repair, carry out the modifications detailed in paragraph A.1 above.
 3. If an IDG cable jacket is found to be damaged, and the inner core is visible but not damaged, prior to further flight, install a temporary repair on the damaged IDG cable. After completing the repair, carry out the modifications detailed in paragraph A.1 above. Damaged IDG cables with a temporary repair must be replaced by the next 'C' check or within 4000 hours flight time after the date of repair, whichever occurs first.
 4. If the inner core of any IDG cable is found to be damaged such that one or more conductor strands are broken or damaged, prior to further flight, replace the damaged IDG cables and damaged separators. In conjunction with the repair, carry out the modifications detailed in paragraph A.1 above.

- B. Operators that have previously incorporated repairs and modifications in accordance with the original issue of ASB A601R-24-091 dated 9 March 2000 or with ASB A601R-24-091 Revision A dated 10 May 2000 meet the requirements of part A of this directive. However, these operators shall inspect, and if necessary replace, the IDG cable clamps on the LH and the RH pylon. The approved IDG clamp for both the LH and RH pylon is P/N TA121010R14-04. The inspection and, if necessary, the clamp replacement are to be carried out in accordance with Section 2, Accomplishment Instructions, Part E of Bombardier ASB A601R-24-091 Revision B dated 14 September 2000, or later Transport Canada approved revisions.

This revision supersedes Airworthiness Directive CF-2000-17 dated 6 July 2000.

This directive becomes effective 27 November 2000.

For Minister of Transport



B. Goyaniuk
Chief, Continuing Airworthiness

For further information contact a Transport Canada Centre, or Mr. Ian McLellan, Continuing Airworthiness, Ottawa, telephone (613) 952-4362, facsimile (613) 996-9178 or e-mail mclelli@tc.gc.ca.