



# AIRWORTHINESS DIRECTIVE

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*This Airworthiness Directive (AD) is issued pursuant to Canadian Aviation Regulation (CAR) 521.427. No person shall conduct a take-off or permit a take-off to be conducted in an aircraft that is in their legal custody and control, unless the requirements of CAR 605.84 pertaining to ADs are met. Standard 625 - Aircraft Equipment and Maintenance Standards Appendix H provides information concerning alternative means of compliance (AMOC) to ADs.*

**Number:**

CF-2016-26

**Effective Date:**

14 September 2016

**ATA:**

25

**Type Certificate:**

A-234

**Subject:**

Equipment / Furnishings - Equipment Racks – Modification of the Left and the Right Equipment Racks

**Applicability:**

Bombardier Inc. model BD-100-1A10 aeroplanes, serial numbers (S/Ns) 20003 to 20532.

**Compliance:**

Within 90 months from the effective date of this AD, unless already accomplished.

**Background:**

During a recent design review, a Bombardier equipment supplier discovered that the weight of the Secondary Direct Current (DC) Power Center was incorrectly reported to the structural partner(s) via their equipment interface drawing. Consequently, the left-hand side (LHS) and right-hand side (RHS) equipment racks were not designed to support the actual weight of all the equipment and the Secondary DC Power Centres under all loading conditions. In the event of a high energy emergency landing or runway excursion, the structural failure of the LHS or RHS equipment racks may result in the blockage of the emergency escape route for the pilot(s) and crew if this condition is not corrected.

**Corrective Actions:**

- A. For aeroplanes S/N's 20003 to 20500, modify the equipment racks, part numbers K1000070316-003 (LHS) and K1000070316-004 (RHS) in accordance with Bombardier Service Bulletin (SB) 100-25-39, Basic Issue, dated, 26 October 2015, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.
- B. For aeroplanes S/N's 20501 to 20532, modify the equipment rack, part number K1000070316-004 (RHS only) in accordance with Bombardier SB 350-25-002, Basic Issue, dated, 26 October 2015, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

**Authorization:**

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr  
Chief, Continuing Airworthiness  
Issued on 31 August 2016

**Contact:**

Craig McAllister, Continuing Airworthiness, Ottawa, telephone 1-888-663-3639, facsimile 613-996-9178 or e-mail [AD-CN@tc.gc.ca](mailto:AD-CN@tc.gc.ca) or any Transport Canada Centre.