



# AIRWORTHINESS DIRECTIVE

*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-2018-22

**Effective Date:**

16 August 2018

**ATA:**

24

**Type Certificate:**

A-177

**Subject:**

Electrical Power - Variable Frequency Generator Harness Low Clearance to Hydraulic/Fuel Lines

**Applicability:**

Bombardier Inc. model BD-700-1A10 and BD-700-1A11 aeroplanes, serial numbers 9001 through 9831, and 9998.

**Compliance:**

Within 24 months from the effective date of this AD, unless already accomplished.

**Background:**

Several aircraft have been discovered with low clearance between the Variable Frequency Generator (VFG) cables and hydraulic/fuel lines in the Aft Equipment Bay which may lead to chafing between the VFG cables and the hydraulic/fuel lines. Chafing may result in damage that could lead to a hydraulic/fuel leak and electrical arcing as an ignition source. This condition, if not corrected, could result in an in-flight fire.

This AD mandates a modification to the routing of the VFG power feeder cables and harnesses, to ensure the required clearance between the VFG cables and hydraulic/fuel lines in the Aft Equipment Bay.

**Corrective Actions:**

Modify the routing of the VFG cables and hydraulic/fuel lines in accordance with the accomplishment instructions of the applicable Bombardier Service Bulletin (SB) listed in the table below, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Aeroplane Model	Bombardier SB	Date
BD-700-1A10	700-24-089, Basic Issue	25 April 2018
BD-700-1A10	700-24-6014, Basic Issue	25 April 2018
BD-700-1A11	700-1A11-24-028, Basic Issue	25 April 2018
BD-700-1A11	700-24-5014, Basic Issue	25 April 2018

Aeroplanes that have incorporated SB 700-24-6014 through Bombardier Inc. Service Request for Product Support Action (SRPSA) 000236314 have met the intent of this AD.

**Authorization:**

For the Minister of Transport,

*ORIGINAL SIGNED BY*

Rémy Knoerr  
Chief, Continuing Airworthiness  
Issued on 2 August 2018

**Contact:**

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