



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-2019-22

Effective Date:

11 June 2019

ATA:

24

Type Certificate:

A-131

Subject:

Electrical Power - Electrical Wires Chafing With Auxiliary Aft Cabin Fuel Tank Bracket

Applicability:

Bombardier Inc. model CL-600-2B19 aeroplanes, serial numbers 7075, 7136, 7140, 7152, 7176, 7180, 7351, 7730, 7755, 7763, 8043, 8046 through 8049, 8051 through 8057, 8060, 8063, 8065 through 8069, 8071 through 8094, 8096 through 8100, 8102, and 8104.

Compliance:

Within 18 months from the effective date of this AD, unless already accomplished.

Background:

During production, a fouling condition was found between the generator power cables and the support brackets of the auxiliary-aft fuel tank. Damage to the insulation sleeve of the generator power cables can cause a short circuit, arcing, and a malfunction of one or both main generators and could result in an unsafe condition.

Bombardier Inc. (BA) issued Service Bulletin (SB) 601R-24-131 to address the subject generator wire chafing problem on affected aeroplanes. SB compliance data provided by BA indicates that in addition to a few remaining non-compliant aeroplanes, some of the aeroplanes were inspected for the subject discrepancy but did not fully comply with the SB requirements.

This AD mandates compliance with BA SB 601R-24-131 on all affected aeroplanes.

Corrective Actions:

Inspect and rectify the affected aeroplanes in accordance with the Accomplishment Instructions of BA SB 601R-24-131, dated 28 June 2012, 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 May 27 2019

Contact:

A K Durrani, Continuing Airworthiness, Ottawa, telephone 888-663-3639, facsimile 613-996-9178 or e-mail AD-CN@tc.gc.ca or any Transport Canada Centre.