



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) with ADs.

Number:

CF-2023-72

Effective Date:

1 November 2023

ATA:

25

Type Certificate:

A-234

Subject:

Equipment/Furnishings – Baggage Bay Sidewall Heater Mat – Excessive Heat

Applicability:

Bombardier Inc. model BD-100-1A10 aeroplanes, serial numbers 20003 through 20364, 20366, 20367, 20369 and 20372.

Compliance:

Within 36 months from the effective date of this AD, unless already accomplished.

Background:

Bombardier Inc. reported recent occurrences of malfunctioning right-hand (RH) baggage bay sidewall heaters, that resulted in the affected sidewall heater mat and aeroplane interior panel sustaining heat discoloration and/or scorching. In 2009, as a preventive measure, Transport Canada mandated (AD CF-2009-38) the deactivation of malfunctioning left-hand (LH) baggage bay heater mat part number (P/N) 3436-06-1/0 to remove the possibility of uncontrolled heating of both the baggage bay sidewall interior panel and the contents of the baggage bay by the heater mat.

The malfunctioning of a sidewall heater mat could, if not corrected, lead to a fire in the baggage bay. This AD requires modifications of the baggage bay sidewall interior panel and heater mat, modification of the water tank heater installation and functional testing to address this unsafe condition. The completion of these actions will also allow the re-activation of the LH baggage bay sidewall heater mat that was de-activated as a corrective action mandated by AD CF-2009-38.

Corrective Actions:

1. Perform the modifications to the baggage bay sidewall interior panel and heater mat, baggage bay LH sidewall interior panel blind insert installation, LH and RH baggage bay sidewall heater mats wiring, LH and RH heater pictogram installation and water tank heater installation, in accordance with section 2.B. through 2.E. of the Accomplishment Instructions of Bombardier Inc. Service Bulletin (SB) 100-25-35 Revision 02, dated 11 January 2016.
2. Perform the functional tests, in accordance with section 2.F. of the Accomplishment Instructions of the applicable Bombardier Inc. SB 100-25-35 Revision 02, dated 11 January 2016.

Re-activation of the LH baggage bay sidewall heater mat is permitted following the incorporation of SB 100-25-35 Revision 02, dated 11 January 2016, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Jenny Young
Chief, Continuing Airworthiness
Issued on 18 October 2023

Contact:

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