



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-2023-36

Effective Date:

12 June 2023

ATA:

26

Type Certificate:

A-177

Subject:

Fire Protection – Baggage Compartment Fire Extinguishers – Inspection of the Baggage Bay Discharge Push-Button-Annunciator (PBA) Switch

Applicability:

Bombardier Inc. model BD-700-2A12 aeroplanes, serial numbers 70006 through 70099.

Compliance:

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

Background:

During the execution of a functional test procedure (FTP) during production, the baggage bay discharge PBA switch was partially engaged and failed to make electrical contact. Further investigation showed that in some instances, the baggage bay discharge PBA switch was making contact but was not fully engaged and the tabs were not fully locked, so while the PBA may pass the FTP, vibration could eventually lead to a loss of electrical contact. A dormant loss of capability for the baggage bay discharge PBA to discharge halon into the baggage compartment may result in an uncontrolled fire in the baggage compartment.

This AD requires a verification of the baggage bay discharge PBA functionality and tab installation to detect and prevent loss of electrical contact resulting from incomplete tab engagement.

Corrective Actions:

Carry out the inspection and testing of the baggage bay discharge PBA, in accordance with the Accomplishment Instructions of Bombardier Service Bulletin 700-26-7505 Basic Issue, dated 10 February 2023, 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 29 May 2023

Contact:

Barry Devereux, Continuing Airworthiness, Ottawa, telephone 888-663-3639, facsimile 613-996-9178 or e-mail TC.AirworthinessDirectives-Consignesdenavigabilite.TC@tc.gc.ca or any Transport Canada Centre.