



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-2018-08R1

Effective Date:

12 March 2018

ATA:

26

Type Certificate:

A-177

Subject:

Fire Protection – Engine Fire Extinguishers' Squib Connector Wiring Length Discrepancy

Revision:

Supersedes AD CF-2018-08, dated 26 February 2018.

Applicability:

Bombardier Inc. model BD-700-1A10 and BD-700-1A11 aeroplanes, serial numbers 9001 to 9839 and 9998.

Compliance:

Within 1000 hours air time or 15 months, whichever occurs first, from the effective date of this AD, unless already accomplished.

Background:

Bombardier Inc. has been made aware that non-conforming squib connector wire harnesses may have been installed on one of the two engine FIREX bottle installations on some of the affected aeroplanes. The subject non conformity of squib connector wire length can allow cross connection between the two squib connectors on one of the engine FIREX bottles, preventing proper function of the engine FIREX system.

In the event of an engine fire, this wiring discrepancy may potentially misroute the supply of fire extinguishing agent to the wrong engine, or limit the supply from both FIREX bottles to only one engine, hence impacting the operational safety of the aeroplane.

Bombardier Inc. issued service bulletins (SB) 700-26-011, 700-26-5003, 700-26-6003, and 700-1A11-26-004, for the affected model aeroplanes, to address the potentially unsafe condition caused by the non-conforming FIREX bottle squib connector wiring.

The original version of this AD was issued to mandate compliance with the above-mentioned SBs, as applicable.

Revision 1 of this AD is issued to correct an error in the applicability section of the original AD.

Corrective Actions:

Inspect the engine FIREX bottle squib connector wiring and rectify, in accordance with accomplishment instructions of the applicable Bombardier Inc. SB, as shown in the table below:

Aeroplane Model	Bombardier SB	Date
BD-700-1A10	700-26-011 Rev. 01	15 February, 2018
BD-700-1A10	700-26-6003 Rev. 01	15 February, 2018
BD-700-1A11	700-1A11-26-004 Rev. 01	15 February, 2018
BD-700-1A11	700-26-5003 Rev. 01	15 February, 2018

Accomplishment of the later revisions of the above-mentioned SBs approved by the Chief, Continuing Airworthiness, Transport Canada, also satisfy the requirements of this AD.

Accomplishment of the basic Issues, dated 28 December 2017, of the above-mentioned SBs, prior to the effective date of this AD, also satisfy the requirements of this AD

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Robert Farinas
Acting Chief, Continuing Airworthiness
Issued on 2 March 2018

Contact:

A K Durrani, Continuing Airworthiness, Ottawa, telephone 1-888-663-3639, facsimile 613-996-9178 or e-mail AD-CN@tc.gc.ca or any Transport Canada Centre.