



# AIRWORTHINESS DIRECTIVE

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*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-2022-39

**Effective Date:**

1 August 2022

**ATA:**

36

**Type Certificate:**

A-177

**Subject:**

Pneumatic – Discrepant Fastener Used in Pre-Cooler Clamp Installation

**Applicability:**

Bombardier Inc. model BD-700-2A12 aeroplanes, serial numbers 70032, 70047 through 70056, 70058 through 70061 and 70063 through 70075.

**Compliance:**

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

**Background:**

Bombardier Inc. received a disclosure letter from the supplier advising that certain pre-cooler clamp assemblies securing the ducting connection on the environmental control system (ECS) pre-cooler inlet assembly may not conform to drawing. If left uncorrected, the clamp may fail and cause excessive leakage at that connection. This could lead to increased operating temperatures in climate-controlled zones, or, in combination with other failures, a complete loss of the ECS.

To address this unsafe condition, this AD requires an inspection of the pre-cooler clamps and replacement of non-conforming pre-cooler clamps as required.

**Corrective Actions:**

Inspect and replace as applicable the pre-cooler clamps in accordance with the Accomplishment Instructions of Bombardier Service Bulletin (SB) 700-36-7504 Basic Issue, dated 27 June 2022, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

**Authorization:**

For the Minister of Transport,

*ORIGINAL SIGNED BY*

Robert Ferguson  
Acting Directeur, National Aircraft Certification  
Issued on 18 July 2022

**Contact:**

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