



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-2020-17

Effective Date:

3 June 2020

ATA:

35

Type Certificate:

A-236

Subject:

Oxygen – Crew – Leak Check of the Lavatory A Oxygen Supply Line for the Third Crew Member

Applicability:

Airbus Canada Limited Partnership (formerly C Series Aircraft Limited Partnership (CSALP), Bombardier Inc.) aeroplanes:

Model BD-500-1A10, serial numbers 50010 through 50018,

Model BD-500-1A11, serial numbers 55003 through 55016, and 55018 through 55053.

Compliance:

Before accumulating more than 2450 hours air time or no later than 12 months, whichever occurs first, from the effective date of this AD, unless already accomplished.

Background:

Following the discovery of an oxygen leak on an in-service aeroplane, an investigation revealed that leak tests of the third flight crew oxygen system supply line located in Lavatory A were not performed on some aeroplanes during assembly. Without performing the leak test, the integrity of the oxygen line cannot be assured, and the presence of a leak is possible. A leak in the oxygen line may result in failure to provide oxygen to the third flight crew member oxygen mask as well as resulting in an oxygen enriched atmosphere creating a fire risk.

This AD mandates that a leak test be performed on affected aeroplanes to detect and correct oxygen leaks.

Corrective Actions:

Perform a leak check of the third flight crew oxygen system supply line and correct any deficiencies in accordance with the Accomplishment Instructions of Airbus Canada Service Bulletin BD500-351003, Issue 001, dated 13 April 2020, 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 20 May 2020

Contact:

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