



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-2024-09

Effective Date:

14 March 2024

ATA:

35

Type Certificate:

A-131

Subject:

Oxygen System – Insufficient Accessibility to the Portable Oxygen Bottle

Replacement:

Supersedes AD CF-2019-26, issued 9 July 2019.

Applicability:

Bombardier Inc. aeroplanes:

Model CL-600-1A11, serial numbers 1004 through 1085;

Model CL-600-2A12, serial numbers 3001 through 3066;

Model CL-600-2B16, serial numbers 5001 through 5194, 5301 through 5665, 5701 through 5988, and 6050 through 6119, 6158, 6161, 6176 and 6181,

equipped with Scott (Avox/Zodiac) 5500 or 5600 series 11 cubic foot portable oxygen bottle(s) with upper bracket part number (P/N) 36758-02, P/N 36758-12 or P/N H3-2091-1 installed at the neck of the bottle(s).

Compliance:

As indicated below, unless already accomplished.

Background:

Bombardier Inc. has discovered that easy removal of the portable oxygen bottle from its support bracket may not always be possible on some portable oxygen bottle installations due to the latch of the upper bracket assembly catching on the pressure gauge tube or on the pressure gauge bezel of the portable oxygen bottle. The portable oxygen bottle is required to be accessible for use in emergency situations when a flight attendant is on board. The AD CF-2019-26 mandated the installation of a modified upper bracket and new middle bracket on all affected portable oxygen bottle installations to improve portable oxygen bottle accessibility.

This AD retains all the requirements of AD CF-2019-26, which is superseded, and expands the applicability for model CL-600-2B16 to add four more aeroplanes.

Corrective Actions:

Within 60 months from the effective date of AD CF-2019-26 (23 July 2019), inspect and rework all affected portable oxygen bottle installations to install a modified upper bracket and new middle bracket, in accordance with the applicable Bombardier (BA) Service Bulletin (SB) referenced in Table 1, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Table 1: SB References

Aeroplane Serial Number	BA SB
Model CL-600-1A11, serial numbers 1004 through 1085	SB 600-0772 Basic Issue, dated 29 June 2018
Model CL-600-2A12, serial numbers 3001 through 3066	SB 601-0646 Basic Issue, dated 29 June 2018
Model CL-600-2B16, serial numbers 5001 through 5194	SB 601-0646 Basic Issue, dated 29 June 2018
Model CL-600-2B16, serial numbers 5301 through 5665	SB 604-35-006 Basic Issue, dated 29 June 2018
Model CL-600-2B16, serial numbers 5701 through 5988	SB 605-35-005 Basic Issue, dated 29 June 2018
Model CL-600-2B16, serial numbers 6050 through 6119, 6158, 6161, 6176 and 6181	SB 650-35-001 Basic Issue, dated 29 June 2018

For aeroplanes whose serial number is not listed in Section 1.A. Effectivity of the above SBs, inspection and rework of all affected portable oxygen bottle installations to install a modified upper bracket and new middle bracket, in accordance with Transport Canada Supplemental Type Certificate (STC) SA17-93 (validated by the European Aviation Safety Agency (EASA) as STC 10064297, or by the Federal Aviation Administration (FAA) as ST04028NY) also meets the requirements of this AD.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Jenny Young
Chief, Continuing Airworthiness
Issued on 29 February 2024

Contact:

Mihaela Kramer, 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.