



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-2023-06

Effective Date:

23 February 2023

ATA:

35

Type Certificate:

A-131

Subject:

Oxygen System – Passenger Oxygen Mask Lanyard Improper Sleeve Loop Crimping and/or Ends not Sealed

Applicability:

Bombardier Inc. model CL-600-2B16 aeroplanes, serial numbers 5702 through 5705, 5707, 5709, 5710, 5712, 5714, 5715, 5718, 5719, 5722, 5723, 5725, 5727, 5728, 5731 through 5733, 5735, 5736, 5740, 5742, 5743, 5745, 5746, 5748 through 5750, 5752 through 5754, 5756 through 5758, 5760 through 5762, 5764 through 5766, 5768 through 5770, 5772 through 5774, 5776 through 5780, 5782 through 5787, 5790, 5791, 5793, 5794, 5796, 5797, 5799, 5800, 5802, 5803, 5805 through 5814, 5816, 5818 through 5820, 5823 through 5829, 5831 through 5853, 5856, 5857, 5859 through 5863, 5865 through 5874, 5876 through 5881, 5883 through 5888, 5890 through 5894, 5896 through 5898, 5900 through 5906, 5908 through 5911, 5913 through 5938, 5940 through 5947, 5949 through 5980, 5982 through 5985, 5987 and 5988.

Compliance:

As indicated below, unless already accomplished.

Background:

The sleeve loops on some passenger oxygen mask lanyards with part numbers (P/Ns) C291564-501/-505, provided in kits P/Ns CDKC29-006-501/-503 with Bombardier Service Bulletin 605-35-003, were found to have improper crimping. The lanyard ends were also not sealed on some parts. These discrepancies, if not corrected, can result in no oxygen flow to the mask during an emergency situation.

This AD requires the inspection of the passenger oxygen mask lanyards and if necessary, replacement of the defective oxygen mask lanyards.

Corrective Actions:

For the purpose of this AD, the following definition applies:

SB: Bombardier Service Bulletin 605-35-008, dated 28 October 2022, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Part I – Inspection of the Passenger Oxygen Mask Assemblies

Within 48 months from the effective date of this AD, visually inspect the passenger oxygen mask lanyard(s) in the cabin or lavatory oxygen box assemblies, P/Ns C298581-501, -503, -505 and -507, in accordance with Section 2.C. of the Accomplishment Instructions of the SB.

- A. If the passenger oxygen mask lanyard(s) is (are) crimped and sealed in accordance with the SB instructions, Part II of this AD is not necessary.
- B. If the passenger oxygen mask lanyard(s) is (are) not crimped and sealed in accordance with the SB

instructions, proceed to Part II of this AD.

Part II – Replacement of the Passenger Oxygen Mask Lanyard

Before further flight, replace the defective passenger oxygen mask lanyard assemblies in accordance with section 2.D. of the Accomplishment Instructions of the SB.

The immediate replacement of the passenger mask lanyard assemblies required by Part II of this AD can be deferred under approved Master Minimum Equipment List provisions/restrictions.

Part III – Installation Prohibition of Affected Parts

As of the effective date of this AD, it is prohibited to install a passenger oxygen mask lanyard assembly provided with kit P/N CDKC29-006-501 or P/N CDKC29-006-503 containing a lot number from Table 1 in Section 2.B. of the Accomplishment Instructions of the SB.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Jenny Young
Chief, Continuing Airworthiness
Issued on 9 February 2023

Contact:

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