



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-2023-21

Effective Date:

13 April 2023

ATA:

35

Type Certificate:

A-131

Subject:

Oxygen – Portable Protective Breathing Equipment (PBE) – Missing PBE in the Forward Area of the Aeroplane

Applicability:

Bombardier Inc. model CL-600-2B16 aeroplanes, serial numbers 5302 through 5304, 5306 through 5310, 5316 through 5318, 5320, 5321, 5324, 5332, 5333, 5335 through 5338, 5341 through 5343, 5346 through 5349, 5352, 5353, 5357 through 5359, 5366, 5367, 5369, 5372, 5373, 5376 through 5382, 5384 through 5390, 5393 through 5396, 5398 through 5400, 5402, 5403, 5405, 5407 through 5409, 5411, 5413, 5415 through 5419, 5421 through 5425, 5427, 5428, 5430 through 5434, 5436, 5438 through 5442, 5444 through 5447, 5449 through 5451, 5453, 5455, 5457, 5459 through 5461, 5464 through 5472, 5474 through 5479, 5481 through 5485, 5487 through 5491, 5493, 5495 through 5500, 5502, 5503, 5506, 5508 through 5517, 5520 through 5527, 5529 through 5532, 5534, 5536 through 5550, 5552 through 5555, 5557, 5558, 5560 through 5567, 5569, 5570, 5572, 5574 through 5577, 5579 through 5587, 5589, 5591, 5594 through 5596, 5598, 5599, 5601 through 5605, 5608, 5611, 5613, 5619, 5621 through 5623, 5628 through 5630, 5634 through 5636, 5639, 5644, 5645, 5647, 5648, 5650, 5655, 5656, 5659 and 5664.

Compliance:

Within 12 months from the effective date of this AD, unless already accomplished.

Background:

Bombardier Inc. determined that some aeroplanes were delivered without a portable PBE device located in the left-hand side (LHS) forward wardrobe or cockpit or passenger cabin area of the aeroplane. The PBE is required to meet the certification standards and provides protection for crew members when investigating or combatting a fire in the cabin.

This AD mandates an inspection to determine if portable PBE is installed and, if not installed, requires portable PBE to be installed along with the associated placard.

Corrective Actions:

Verify if portable PBE, marked with Technical Standard Order (TSO) C116 or TSO C116a, is installed in the LHS forward wardrobe or cockpit or passenger cabin area of the aeroplane.

- A. If no portable PBE marked with TSO C116 or TSO C116a is found installed, install the portable PBE marked with TSO C116 or TSO C116a and the associated placard, in accordance with Section 2.B. of the Accomplishment Instructions of Bombardier Service Bulletin (SB) 604-35-008, Revision 2, dated 13 January 2023, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.
- B. If portable PBE marked with TSO C116 or TSO C116a is found installed, no further action is required.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Jenny Young
Chief, Continuing Airworthiness
Issued on 30 March 2023

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.