



# 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-2019-18

**Effective Date:**

24 May 2019

**ATA:**

35

**Type Certificate:**

A-177

**Subject:**

Oxygen System – Insufficient Accessibility to the Portable Oxygen Bottle

**Applicability:**

Bombardier Inc. aeroplanes:

Model BD-700-1A10, serial numbers 9002, 9006 through 9010, 9012, 9016, 9018 through 9023, 9029 through 9031, 9033, 9035 through 9037, 9039 through 9048, 9058, 9059, 9061, 9063, 9066 through 9068, 9070, 9071, 9073 through 9075, 9078, 9085, 9090, 9092, 9093, 9097, 9105, 9106, 9108, 9112, 9121, 9122, 9124, 9137, 9139, 9143, 9145, 9153, 9167, 9177, 9181, 9183, 9185, 9187, 9191, 9203, 9205, 9210, 9223, 9234, 9236, 9244, 9250, 9264, 9270, 9272, 9283, 9286, 9294, 9304, 9312, 9314, 9326, 9333, 9364, 9368, 9378, 9381, 9388, 9407, 9419, 9438, 9460, 9470, 9475, 9478, 9479, 9481, 9484, 9485, 9499, 9524, 9529, 9530, 9533, 9538, 9551, 9553, 9568, 9598, 9615, 9624, 9632, 9638, 9640, 9641, 9648, 9657, 9670, 9680, 9682, 9689, 9700, 9706, 9723, 9726, 9730, 9731, 9745, 9752, 9753, 9757, 9759, 9773, 9775, 9804, 9814, 9816, and 9817; and

Model BD-700-1A11, serial numbers 9176, 9178, 9182, 9207, 9212, 9216, 9217, 9227, 9255, 9285, 9376, 9389, 9401, 9427, 9480, 9483, 9498, 9513, 9531, 9536, 9555, 9558, 9569, 9581, 9589, 9592, 9597, 9613, 9618, 9660, 9710, 9722, 9732, 9734, 9737, 9768, 9777, and 9790.

**Compliance:**

Within 60 months from the effective date of this AD, 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 by cabin crew members in emergency situations. This AD requires installation of a modified top bracket and new middle bracket on all affected portable oxygen bottle installations to improve portable oxygen bottle accessibility.

**Corrective Actions:**

Rework all affected portable oxygen bottle installations to install a modified top bracket and new middle bracket, in accordance with the Accomplishment Instructions of the applicable Bombardier (BA) Service Bulletin (SB) referenced in Table 1 below, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

**Table 1: SB References**

<b>Aeroplane Model</b>	<b>BA SB</b>
BD-700-1A10	SB 700-35-014 Basic Issue, dated 3 July 2018
BD-700-1A10	SB 700-35-6003 Revision 02, dated 23 November 2018 Incorporation of SB 700-35-6003 Revision 01, dated 5 September 2018 or SB 700-35-6003 Basic Issue, dated 3 July 2018, prior to the effective date of this AD, also satisfies the requirements of this AD.
BD-700-1A11	SB 700-1A11-35-013 Basic Issue, dated 3 July 2018
BD-700-1A11	SB 700-35-5003 Revision 01, dated 23 November 2018 Incorporation of SB 700-35-5003 Basic Issue, dated 3 July 2018, prior to the effective date of this AD, also satisfies the requirements of this AD.

**Authorization:**

For the Minister of Transport,

*ORIGINAL SIGNED BY*

Rémy Knoerr  
Chief, Continuing Airworthiness  
Issued on 10 May 2019

**Contact:**

Hilary Ross, Continuing Airworthiness, Ottawa, telephone 888-663-3639, facsimile 613-996-9178 or e-mail [AD-CN@tc.gc.ca](mailto:AD-CN@tc.gc.ca) or any Transport Canada Centre.