



[4910-13-P]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. FAA-2019-0725; Product Identifier 2019-NM-099-AD;

Amendment 39-19829; AD 2020-02-15]

RIN 2120-AA64

Airworthiness Directives; Bombardier, Inc., Airplanes

AGENCY: Federal Aviation Administration (FAA), Department of Transportation (DOT).

ACTION: Final rule.

SUMMARY: The FAA is adopting a new airworthiness directive (AD) for certain Bombardier, Inc., Model BD-700-1A10 and BD-700-1A11 airplanes. This AD was prompted by a report that easy removal of the portable oxygen bottle from its support bracket may not always be possible on certain installations. This AD requires installation of a modified top bracket and new middle bracket on all affected portable oxygen bottle installations. The FAA is issuing this AD to address the unsafe condition on these products.

DATES: This AD is effective [INSERT DATE 35 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

The Director of the Federal Register approved the incorporation by reference of certain publications listed in this AD as of [INSERT DATE 35 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

ADDRESSES: For service information identified in this final rule, contact Bombardier, Inc., 400 Côte-Vertu Road West, Dorval, Québec H4S 1Y9, Canada; phone: 514-855-5000; fax: 514-855-7401; email: thd.crj@aero.bombardier.com; Internet: <http://www.bombardier.com>. You may view this service information at the FAA, Transport Standards Branch, 2200 South 216th St., Des Moines, WA. For information on the availability of this material at the FAA, call 206-231-3195. It is also available on the Internet at <https://www.regulations.gov> by searching for and locating Docket No. FAA-2019-0725.

Examining the AD Docket

You may examine the AD docket on the Internet at <https://www.regulations.gov> by searching for and locating Docket No. FAA-2019-0725; or in person at Docket Operations between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this final rule, the regulatory evaluation, any comments received, and other information. The address for Docket Operations is U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE., Washington, DC 20590.

FOR FURTHER INFORMATION CONTACT: Darren Gassetto, Aerospace Engineer, Mechanical Systems and Administrative Services Section, FAA, New York ACO Branch, 1600 Stewart Avenue, Suite 410, Westbury, NY 11590; phone: 516-228-7323; fax: 516-794-5531; email: 9-avs-nyaco-cos@faa.gov.

SUPPLEMENTARY INFORMATION:

Discussion

Transport Canada Civil Aviation (TCCA), which is the aviation authority for Canada, has issued Canadian AD CF-2019-18, dated May 10, 2019 (“Canadian AD CF-2019-18”) (also referred to as the Mandatory Continuing Airworthiness Information, or “the MCAI”), to correct an unsafe condition for certain Bombardier, Inc., Model BD-700-1A10 and BD-700-1A11 airplanes. You may examine the MCAI in the AD docket on the Internet at <https://www.regulations.gov> by searching for and locating Docket No. FAA-2019-0725.

The FAA issued a notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 by adding an AD that would apply to certain Bombardier, Inc., Model BD-700-1A10 and BD-700-1A11 airplanes. The NPRM published in the Federal Register on October 29, 2019 (84 FR 57829). The NPRM was prompted by a report that easy removal of the portable oxygen bottle from its support bracket may not always be possible on certain installations. The NPRM proposed to require installation of a modified top bracket and new middle bracket on all affected portable oxygen bottle installations. The FAA is issuing this AD to address inaccessible portable oxygen bottles, which may not be available to the flightcrew in emergency situations. See the MCAI for additional background information.

Comments

The FAA gave the public the opportunity to participate in developing this final rule. The FAA received no comments on the NPRM or on the determination of the cost to the public.

Conclusion

The FAA reviewed the relevant data and determined that air safety and the public interest require adopting this final rule as proposed, except for minor editorial changes.

The FAA has determined that these minor changes:

- Are consistent with the intent that was proposed in the NPRM for addressing the unsafe condition; and
- Do not add any additional burden upon the public than was already proposed in the NPRM.

Related Service Information under 1 CFR Part 51

Bombardier has issued the following service information. The service information describes procedures for installation of a modified top bracket and new middle bracket on all affected portable oxygen bottle installations. These documents are distinct since they apply to different airplane models in different configurations.

- Service Bulletin 700-1A11-35-013, dated July 3, 2018.
- Service Bulletin 700-35-014, dated July 3, 2018.
- Service Bulletin 700-35-5003, Revision 01, dated November 23, 2018.
- Service Bulletin 700-35-6003, Revision 02, dated November 23, 2018.

This service information is reasonably available because the interested parties have access to it through their normal course of business or by the means identified in the ADDRESSES section.

Costs of Compliance

The FAA estimates that this AD affects 108 airplanes of U.S. registry. The FAA estimates the following costs to comply with this AD:

Estimated costs for required actions

Labor cost	Parts cost	Cost per product	Cost on U.S. operators
2 work-hours X \$85 per hour = \$170 per installation	\$1,575 per installation	\$1,745 per installation	\$188,460 per installation

According to the manufacturer, some or all of the costs of this AD may be covered under warranty, thereby reducing the cost impact on affected individuals. The FAA does not control warranty coverage for affected individuals. As a result, the FAA has included all known costs in the cost estimate.

Authority for this Rulemaking

Title 49 of the United States Code specifies the FAA's authority to issue rules on aviation safety. Subtitle I, section 106, describes the authority of the FAA Administrator. Subtitle VII: Aviation Programs, describes in more detail the scope of the Agency's authority.

The FAA is issuing this rulemaking under the authority described in Subtitle VII, Part A, Subpart III, Section 44701: "General requirements." Under that section, Congress charges the FAA with promoting safe flight of civil aircraft in air commerce by prescribing regulations for practices, methods, and procedures the Administrator finds necessary for safety in air commerce. This regulation is within the scope of that authority because it addresses an unsafe condition that is likely to exist or develop on products identified in this rulemaking action.

Regulatory Findings

This AD will not have federalism implications under Executive Order 13132. This AD will not have a substantial direct effect on the States, on the relationship between the

national government and the States, or on the distribution of power and responsibilities among the various levels of government.

For the reasons discussed above, I certify that this AD:

(1) Is not a “significant regulatory action” under Executive Order 12866,

(2) Will not affect intrastate aviation in Alaska, and

(3) Will not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, Incorporation by reference, Safety.

Adoption of the Amendment

Accordingly, under the authority delegated to me by the Administrator, the FAA amends 14 CFR part 39 as follows:

PART 39 - AIRWORTHINESS DIRECTIVES

1. The authority citation for part 39 continues to read as follows:

Authority: 49 U.S.C. 106(g), 40113, 44701.

§ 39.13 [Amended]

2. The FAA amends § 39.13 by adding the following new airworthiness directive (AD):

2020-02-15 Bombardier, Inc.: Amendment 39-19829; Docket No. FAA-2019-0725;

Product Identifier 2019-NM-099-AD.

(a) Effective Date

This AD is effective [INSERT DATE 35 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

(b) Affected ADs

None.

(c) Applicability

This AD applies to the following Bombardier, Inc., airplanes, certificated in any category.

(1) Model BD-700-1A10, serial numbers 9002, 9006 through 9010 inclusive, 9012, 9016, 9018 through 9023 inclusive, 9029 through 9031 inclusive, 9033, 9035 through 9037 inclusive, 9039 through 9048 inclusive, 9058, 9059, 9061, 9063, 9066 through 9068 inclusive, 9070, 9071, 9073 through 9075 inclusive, 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.

(2) 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.

(d) Subject

Air Transport Association (ATA) of America Code 35, Oxygen.

(e) Reason

This AD was prompted by a report that easy removal of the portable oxygen bottle from its support bracket may not always be possible on certain installations. The FAA is issuing this AD to address inaccessible portable oxygen bottles, which may not be available to the flightcrew in emergency situations.

(f) Compliance

Comply with this AD within the compliance times specified, unless already done.

(g) Definition

For the purposes of this AD, an affected portable oxygen bottle installation is defined as one that is installed in any of the airplanes specified in paragraphs (c)(1) and (2) of this AD.

(h) Installation of Modified Top Bracket and New Middle Bracket

Within 60 months after the effective date of this AD, install a modified top bracket and new middle bracket on all affected portable oxygen bottle installations in accordance with paragraph 2.B. of the Accomplishment Instructions of the applicable service information specified in figure 1 to paragraph (h) of this AD.

Figure 1 to paragraph (h): Service information

Airplane Model	Service Information
Model BD-700-1A10	Bombardier Service Bulletin 700-35-014, dated July 3, 2018
Model BD-700-1A10	Bombardier Service Bulletin 700-35-6003, Revision 02, dated November 23, 2018
Model BD-700-1A11	Bombardier Service Bulletin 700-1A11-35-013, dated July 3, 2018
Model BD-700-1A11	Bombardier Service Bulletin 700-35-5003, Revision 01, dated November 23, 2018

(i) Credit for Previous Actions

This paragraph provides credit for actions required by paragraph (h) of this AD, if those actions were performed before the effective date of this AD using Bombardier Service Bulletin 700-35-5003, dated July 3, 2018; or Bombardier Service Bulletin 700-35-6003, dated July 3, 2018; or Bombardier Service Bulletin 700-35-6003, Revision 01, dated September 5, 2018; as applicable.

(j) Other FAA AD Provisions

The following provisions also apply to this AD:

(1) *Alternative Methods of Compliance (AMOCs)*: The Manager, New York ACO Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the manager of the certification office, send it to ATTN: Program Manager, Continuing Operational Safety, FAA, New York ACO Branch, 1600 Stewart Avenue, Suite 410, Westbury, NY 11590; phone: 516-228-7300; fax: 516-794-5531. Before using any approved AMOC, notify your appropriate principal

inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office.

(2) *Contacting the Manufacturer:* For any requirement in this AD to obtain corrective actions from a manufacturer, the action must be accomplished using a method approved by the Manager, New York ACO Branch, FAA; or Transport Canada Civil Aviation (TCCA); or Bombardier, Inc.'s TCCA Design Approval Organization (DAO). If approved by the DAO, the approval must include the DAO-authorized signature.

(k) Related Information

(1) Refer to Mandatory Continuing Airworthiness Information (MCAI) Canadian AD CF-2019-18, dated May 10, 2019, for related information. This MCAI may be found in the AD docket on the Internet at <https://www.regulations.gov> by searching for and locating Docket No. FAA-2019-0725.

(2) For more information about this AD, contact Darren Gassetto, Aerospace Engineer, Mechanical Systems and Administrative Services Section, FAA, New York ACO Branch, 1600 Stewart Avenue, Suite 410, Westbury, NY 11590; phone: 516-228-7323; fax: 516-794-5531; email: 9-avs-nyaco-cos@faa.gov.

(3) Service information identified in this AD that is not incorporated by reference is available at the addresses specified in paragraphs (l)(3) and (4) of this AD.

(l) Material Incorporated by Reference

(1) The Director of the Federal Register approved the incorporation by reference (IBR) of the service information listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this service information as applicable to do the actions required by this AD, unless this AD specifies otherwise.

(i) Bombardier Service Bulletin 700-1A11-35-013, dated July 3, 2018.

(ii) Bombardier Service Bulletin 700-35-014, dated July 3, 2018.

(iii) Bombardier Service Bulletin 700-35-5003, Revision 01, dated November 23, 2018.

(iv) Bombardier Service Bulletin 700-35-6003, Revision 02, dated November 23, 2018.

(3) For service information identified in this AD, contact Bombardier, Inc., 400 Côte-Vertu Road West, Dorval, Québec H4S 1Y9, Canada; phone: 514-855-5000; fax: 514-855-7401; email: thd.crj@aero.bombardier.com; Internet: <http://www.bombardier.com>.

(4) You may view this service information at the FAA, Transport Standards Branch, 2200 South 216th St., Des Moines, WA. For information on the availability of this material at the FAA, call 206-231-3195.

(5) You may view this service information that is incorporated by reference at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, email fedreg.legal@nara.gov, or go to: <https://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued on January 24, 2020.

Lance T. Gant, Director,
Compliance & Airworthiness Division,
Aircraft Certification Service.

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