DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39


RIN 2120–AA64

Airworthiness Directives; Bombardier, Inc. Airplanes

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

ACTION: Final rule.

SUMMARY: We are adopting a new airworthiness directive (AD) for certain Bombardier, Inc. Model DHC–8–102, –103, –106, –201, –202, –301, –311, and –315 airplanes. This AD was prompted by fuel system reviews conducted by the manufacturer. This AD requires revising the maintenance or inspection program, as applicable, to incorporate new limitations for fuel tank systems. We are issuing this AD to prevent potential ignition sources within the fuel system, which could result in a fuel tank explosion.

DATES: This AD becomes effective August 21, 2015.

The Director of the Federal Register approved the incorporation by reference of certain publications listed in this AD as of August 21, 2015.

ADDRESSES: You may examine the AD docket on the Internet at http://www.regulations.gov #!docketDetail;D=FAA-2014-0570-0002 or in person at the Docket Management Facility, U.S. Department of Transportation, Docket Operations, M–30, West Building Ground Floor, Room W12–140, 1200 New Jersey Avenue SE., Washington, DC.


SUPPLEMENTARY INFORMATION:

Discussion


Transport Canada Civil Aviation (TCCA), which is the aviation authority for Canada, has issued Canadian Airworthiness Directive CF–2007–32R2, dated June 27, 2013 (referred to after this as the Mandatory Continuing Airworthiness Information, or “the MCAI”), to correct an unsafe condition on certain Bombardier, Inc. Model DHC–8–102, –103, –106, –201, –202, –301, –311, and –315 airplanes. The MCAI states:

Bombardier Aerospace has completed a system safety review of the aeroplane fuel system against fuel tank safety standards. The identified non-compliances were then assessed to determine if mandatory corrective action is required. The assessment showed that supplemental maintenance tasks are required to prevent potential ignition sources within the fuel system, which could result in a fuel tank explosion. Revisions have been made to Part 2 “Airworthiness Limitations List” of the DHIC–8 Maintenance Program Manuals to introduce the required maintenance tasks.

Revision 1 of this [Canadian] AD was issued to clarify the phase-in schedule for tasks FSL–02 and FSL–17.


You may examine the MCAI in the AD docket on the Internet at http://www.regulations.gov/#!documentDetail;D=FAA-2014-0570-0002.

Comments

We gave the public the opportunity to participate in developing this AD. We received no comments on the NPRM (79 FR 48703, August 18, 2014) or on the determination of the cost to the public.

Changes to This Final Rule

Since the NPRM (79 FR 48703, August 18, 2014) was published, the information in Bombardier Temporary Revision (TR) AWL–110, dated August 31, 2007, to Part 2, “Airworthiness Limitations List,” of the Bombardier Dash 8 Series 100 Maintenance Program Manual, Product Support Manual PSM 1–8–7, has been merged in Subject 5–FSL of Section 5, “Fuel System Limitations,” of the “Airworthiness Limitations List,” of the Bombardier Dash 8 Series 100 Maintenance Program Manual, PSM 1–8–7, Revision 18, dated February 23, 2012. We have removed paragraph (g)(1) of the proposed AD that referred to Bombardier TR AWL–110, dated August 31, 2007, to Part 2, “Airworthiness Limitations List,” of the Bombardier Dash 8 Series 100 Maintenance Program Manual, Product Support Manual PSM 1–8–7, and we have redesignated paragraph (g)(2) of the proposed AD as paragraph (g)(1) of this AD.

We have included a new paragraph (j) in this AD to provide credit for accomplishing the revision to the maintenance or inspection program, as 

Federal Register

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Since the NPRM (79 FR 48703, August 18, 2014) was published, we also received Bombardier TR AWL 2–47, dated February 16, 2011, to Part 2, “Airworthiness Limitations,” of the Bombardier Dash 8 Series 200 Maintenance Program Manual, PSM 1–82–7, which supersedes Bombardier TR AWL 2–43, dated August 31, 2007, to Part 2, “Airworthiness Limitations,” of the Bombardier Dash 8 Series 200 Maintenance Program Manual, PSM 1–82–7. We have added paragraph (g)(2) of this AD to refer to Bombardier TR AWL 2–47, dated February 16, 2011, to Part 2, “Airworthiness Limitations,” of the Bombardier Dash 8 Series 200 Maintenance Program Manual, PSM 1–82–7, as an appropriate source of service information to accomplish the revision required by paragraph (g) of this AD.

Furthermore, we also received Bombardier TR AWL 3–117, dated February 16, 2011, to Part 2, “Airworthiness Limitations,” of the Bombardier Dash 8 Series 300 Maintenance Program Manual, PSM 1–83–7, which supersedes Bombardier TR AWL 3–109, dated August 31, 2007, to Part 2, “Airworthiness Limitations,” of the Bombardier Dash 8 Series 300 Maintenance Program Manual, PSM 1–83–7. We have added paragraph (g)(4) of this AD to refer to Bombardier TR AWL 3–117, dated February 16, 2011, to Part 2, “Airworthiness Limitations,” of the Bombardier Dash 8 Series 300 Maintenance Program Manual, PSM 1–83–7, as an appropriate source of service information to accomplish the revision required by paragraph (g) of this AD.

Conclusion

We reviewed the relevant data and determined that air safety and the public interest require adopting this AD with the changes described previously and minor editorial changes. We have determined that these minor changes:

• Are consistent with the intent that was proposed in the NPRM (79 FR 48703, August 18, 2014) for correcting the unsafe condition; and

• Do not add any additional burden upon the public than was already proposed in the NPRM (79 FR 48703, August 18, 2014).

Related Service Information Under 1 CFR Part 51

Bombardier, Inc. has issued the following service information:


The service information describes revising the maintenance or inspection program to incorporate new limitations for fuel tank systems. 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 of this AD.

Costs of Compliance

We estimate that this AD affects 122 airplanes of U.S. registry.

We also estimate that it will take about 1 work-hour per product to comply with the basic requirements of this AD. The average labor rate is $85 per work-hour. Based on these figures, we estimate the cost of this AD on U.S. operators to be $10,370, or $85 per product.

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.

We are 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

We determined that 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. Is not a “significant rule” under the DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979);

3. Will not affect intrastate aviation in Alaska; and

4. 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.

Examining the AD Docket

You may examine the AD docket on the Internet at http://www.regulations.gov/#!docketDetail;D=FAA–2014–0570; or in person at the Docket Management Facility between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this AD, the regulatory evaluation, any comments received, and other information. The street address for the Docket Operations office (telephone 800–647–5527) is in the ADDRESSES section.

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

§ 39.13 [Amended]


(h) Phase-in Compliance Times

For airplanes having S/Ns 003 through 624 inclusive, and S/N 626, the initial compliance times specified in paragraphs (h)(1), (h)(2), and (h)(3) of this AD, as applicable.

(1) For airplanes having S/Ns 003 through 624 inclusive on which the applicable modification summaries (ModSums) specified in paragraphs (h)(1)(i), (h)(1)(ii), and (h)(1)(iii) of this AD have been incorporated before the effective date of this AD: The compliance time for the initial inspection in FSL Task Number FSL–02, “Detailed Inspection of the Fuel Tank Bonding Jumpers”; and the initial functional check in FSL Task Number FSL–17, “Functional Check of the Fuel Tank Components and the Plumbing Lines Electrical Bonding”; is within 6,000 flight hours or within 36 months after the effective date of this AD, whichever occurs first.

(ii) For airplanes having S/Ns 003 through 624 inclusive on which the applicable ModSums specified in paragraphs (h)(1), (h)(1)(i), (h)(1)(ii), and (h)(1)(iii) of this AD have been incorporated before the effective date of this AD: The compliance time for the initial inspection in FSL Task Number FSL–02, “Detailed Inspection of the Fuel Tank Bonding Jumpers”; and the initial functional check in FSL Task Number FSL–17, “Functional Check of the Fuel Tank Components and the Plumbing Lines Electrical Bonding”; is within 36 months after the effective date of this AD, whichever occurs first.

(iii) For airplanes having S/Ns 003 through 624 inclusive with auxiliary power unit (APU) option: Bombardier ModSum Package 8Q002144, Revision F, dated June 17, 2009.

(iv) For airplanes having S/Ns 003 through 624 inclusive with a long-range fuel system installed: Bombardier ModSum Package 8Q002091, Revision C, dated December 22, 2006.

(2) For airplanes having S/Ns 003 through 624 inclusive on which the applicable ModSum packages specified in paragraphs (h)(1)(i), (h)(1)(ii), and (h)(1)(iii) of this AD have not been incorporated before the effective date of this AD: The compliance time for the initial inspection in FSL Task Number FSL–02, “Detailed Inspection of the Fuel Tank Bonding Jumpers”; and the initial functional check in FSL Task Number FSL–17, “Functional Check of the Fuel Tank Components and the Plumbing Lines Electrical Bonding”; is before further flight after incorporation of all applicable ModSum packages specified in paragraphs (h)(1)(i), (h)(1)(ii), and (h)(1)(iii) of this AD. Airplane configurations can be a combination of the configurations specified in paragraphs (h)(1)(i), (h)(1)(ii), and (h)(1)(iii) of this AD.

(3) For the airplane having serial number 626: The initial compliance time is at the applicable time specified in paragraph (h)(3)(i) or (h)(3)(ii) of this AD.

(i) If Bombardier ModSum Package 8Q092091, Revision C, dated December 22, 2006, has been accomplished before the effective date of this AD: The compliance time for doing the initial inspection specified in FSL Task Number FSL–02, “Detailed Inspection of the Fuel Tank Bonding Jumpers”; and the initial functional check specified in FSL Task Number FSL–17, “Functional Check of the Fuel Tank Components and the Plumbing Lines Electrical Bonding”; is within 6,000 flight hours or within 36 months after the effective date of this AD, whichever occurs first.

(ii) If Bombardier ModSum Package 8Q901091 Revision C, dated December 22, 2006, has not been accomplished before the effective date of this AD: The compliance time for doing the initial inspection specified in FSL Task Number FSL–02, “Detailed Inspection of the Fuel Tank Bonding Jumpers”; and the initial functional check in FSL Task Number FSL–17, “Functional Check of the Fuel Tank Components and the Plumbing Lines Electrical Bonding”; is before further flight after accomplishment of Bombardier ModSum Package 8Q901091.

(i) No Alternative Actions, Intervals, and/or Critical Design Configuration Control Limitations (CDCCLs)

After accomplishing the revision required by paragraph (g) of this AD, no alternative actions (e.g., inspections), intervals, and/or CDCCLs may be used unless the actions, intervals, and/or CDCCLs are approved as an alternative method of compliance (AMOC) in accordance with the procedures specified in paragraph (k) of this AD.

(j) Credit for Previous Actions

This paragraph provides credit for actions required by paragraph (g) of this AD, if those actions were performed before the effective date of this AD using Bombardier TR AWL–110, dated August 31, 2007, to Part 2, “Airworthiness Limitations List,” of the Bombardier Dash 8 Series 100 Maintenance Program Manual, PSM 1–8–7, which is not incorporated by reference in this AD.

(k) Other FAA AD Provisions

The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, New York Aircraft Certification Office (ACO), ANE–170, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in CPA–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 ACO, send it to ATTN: Program Manager, Flight Operations, National Safety, FAA, New York ACO, 1600 Stewart Avenue, Suite 410, Westbury, NY 11590; telephone: 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/
CONSUMER PRODUCT SAFETY COMMISSION

16 CFR Part 1251

[Docket No. CPSC–2011–0081]

Toys: Determination Regarding Heavy Elements Limits for Unfinished and Untreated Wood


ACTION: Direct final rule.

SUMMARY: The Consumer Product Safety Commission ("Commission," or "CPSC") is issuing a direct final rule determining that unfinished and untreated trunk wood does not contain heavy elements that would exceed the limits specified in the Commission’s toy standard, ASTM F963–11. Based on this determination, unfinished and untreated wood in toys does not require third party testing for the heavy element limits in ASTM F963.

DATES: The rule is effective on September 25, 2015. If we receive a significant adverse comment by August 17, 2015, we will publish notification in the Federal Register withdrawing this direct final rule before its effective date.

ADDRESSES: You may submit comments, identified by Docket No. CPSC–2011–0081, by any of the following methods:

Electronic Submissions: Submit electronic comments to the Federal eRulemaking Portal, as described above. Written Submissions: Submit written comments by mail/hand delivery/courier to: Office of the Secretary, Consumer Product Safety Commission, Room 820, 4330 East West Highway, Bethesda, MD 20814; telephone (301) 504–7923.

Instructions: All submissions received must include the agency name and docket number for this notice. All comments received may be posted without change, including any personal identifiers, contact information, or other personal information provided to: www.regulations.gov. Do not submit confidential business information, trade secret information, or other sensitive or protected information that you do not want to be available to the public. If furnished at all, such information should be submitted in writing.

Docket: For access to the docket to read background documents or comments received, go to: www.regulations.gov, and insert the docket number CPSC–2011–0081, into the "Search" box, and follow the prompts.

FOR FURTHER INFORMATION CONTACT: Randy Butturini, Project Manager, Office of Hazard Identification and Reduction U.S. Consumer Product Safety Commission, 4330 East West Hwy, Room 814, Bethesda, MD 20814; 301–504–7562; email: rbutterini@cpsc.gov.

SUPPLEMENTARY INFORMATION:

A. Background

1. Third Party Testing

Section 14(a) of the Consumer Product Safety Act, ("CPSA"), as amended by the Consumer Product Safety Improvement Act of 2008 ("CPSIA"), requires that manufacturers of products subject to a consumer product safety rule or similar rule, ban, standard or regulation enforced by the CPSC must certify that the product complies with all applicable CPSC-enforced requirements. 15 U.S.C. 2063(a). For children’s products, certification must be based on testing conducted by a CPSC-accepted third party conformity assessment body. Id. Pub. L. 112–28 (August 12, 2011), directed the CPSC to seek comment on “opportunities to reduce the cost of third party testing requirements consistent with assuring compliance with any applicable consumer product safety rule, ban, standard, or regulation.” In response to Pub. L. 112–28, the Commission published in the Federal Register a Request for Comment ("RFC"). See http://www.cpsc.gov/PageFiles/103251/3ptreduce.pdf. As directed by the Commission, staff submitted a briefing package to the Commission that described opportunities that the Commission would consider when revising requirements for toy products to reduce the costs of certification and testing.

The Commission is issuing this direct final rule adopting a new method of determining whether a toy contains heavy elements. This method eliminates the need for third party testing for trunk wood in toys, thereby reducing costs and administrative burden.

The FEDERAL REGISTER website (http://www.federalregister.gov) provides access to the docket to read background documents or comments received, go to: www.regulations.gov, and insert the docket number CPSC–2011–0081, into the "Search" box, and follow the prompts.