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DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. FAA-2022-0592; Project Identifier MCAI-2021-01023-T; Amendment 39-22168; AD 2022-18-17]

RIN 2120-AA64

Airworthiness Directives; MHI RJ Aviation ULC (Type Certificate Previously Held by 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 MHI RJ Aviation ULC Model CL-600-2D24 (Regional Jet Series 900) airplanes. This AD was prompted by a report of a manufacturing error that can create dents on the lower wing plank, close to the flap arm locations at certain wing stations; as a result, cracks could develop and weaken the structural integrity of the wings before being detected by any existing required inspections. This AD requires an inspection for damage (including dents, cracks, discoloration, gouges, scratches, or other surface damage) of the lower wing plank in the flap arm areas at certain wing stations, and repair if necessary. The FAA is issuing this AD to address the unsafe condition on these products.

DATES: This AD is effective October 11, 2022.

The Director of the Federal Register approved the incorporation by reference of a certain publication listed in this AD as of October 11, 2022.

ADDRESSES:

AD Docket: You may examine the AD docket at [regulations.gov](https://www.regulations.gov) under Docket No. FAA-2022-0592; 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 mandatory continuing airworthiness information (MCAI), 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.

Material Incorporated by Reference:

- For service information identified in this final rule, contact MHI RJ Aviation Group, Customer Response Center, 3655 Ave. des Grandes-Tourelles, Suite 110, Boisbriand, Québec J7H 0E2 Canada; North America toll-free telephone 833-990-7272 or direct-dial telephone 450-990-7272; fax 514-855-8501; email thd.crj@mhirj.com; website mhirj.com.

- You may view this service information at the FAA, Airworthiness Products Section, Operational Safety 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 at [regulations.gov](https://www.regulations.gov) under Docket No. FAA-2022-0592.

FOR FURTHER INFORMATION CONTACT:

Deep Gaurav, Aerospace Engineer, Airframe and Propulsion Section, FAA, New York ACO Branch, 1600 Stewart Avenue, Suite 410, Westbury, NY 11590; telephone 516-228-7300; email 9-avs-nyaco-cos@faa.gov.

SUPPLEMENTARY INFORMATION:

Background

The FAA issued a notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 by adding an AD that would apply to certain MHI RJ Aviation ULC Model CL-600-2D24 (Regional Jet Series 900) airplanes. The NPRM published in the **Federal Register** on June 2, 2022 (87 FR 33454). The NPRM was prompted by AD CF-2021-31, dated September 14, 2021, issued by Transport Canada Civil Aviation (TCCA), which is the aviation authority for Canada (referred to after this as the MCAI). The MCAI states that a manufacturing error may have resulted in dents on the lower wing plank, close to the five flap arm locations at wing station (WS) 54.55, WS 128.00, WS 179.00, WS 220.00, and WS 264.00. These dents could lead to cracks that could weaken the structural integrity of the wings before being detected by any existing required inspection.

In the NPRM, the FAA proposed to require an inspection for damage

(including dents, cracks, discoloration, gouges, scratches, or other surface damage) of the lower wing plank in the flap arm areas at certain wing stations, and repair if necessary. The FAA is issuing this AD to address the unsafe condition on these products.

You may examine the MCAI in the AD docket at [regulations.gov](https://www.regulations.gov) under Docket No. FAA-2022-0592.

Discussion of Final Airworthiness Directive

Comments

The FAA received no comments on the NPRM or on the determination of the cost to the public.

Conclusion

This product has been approved by the aviation authority of another country and is approved for operation in the United States. Pursuant to the FAA's bilateral agreement with this State of Design Authority, it has notified the FAA of the unsafe condition described in the MCAI referenced above. The FAA reviewed the relevant data and determined that air safety requires adopting this AD as proposed. Accordingly, the FAA is issuing this AD to address the unsafe condition on this product. Except for minor editorial changes, this AD is adopted as proposed in the NPRM. None of the changes will increase the economic burden on any operator.

Related Service Information Under 14 CFR Part 51

The FAA reviewed MHI RJ Aviation Service Bulletin 670BA-57-029, dated February 2, 2021. This service information specifies procedures for, among other actions, doing a detailed visual inspection for damage (including dents, cracks, discoloration, gouges, scratches, or other surface damage) of the outer aft lower skin at WS 54.55, WS 128.00, WS 179.00, WS 220.00, and WS 264.00, and repair. 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 14 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 × \$85 per hour = \$170	\$0	\$170	\$2,380

The FAA has received no definitive data on which to base the cost estimates for the on-condition actions specified in this AD.

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.

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:

2022–18–17 MHI RJ Aviation ULC (Type Certificate Previously Held by Bombardier, Inc.): Amendment 39–22168; Docket No. FAA–2022–0592; Project Identifier MCAI–2021–01023–T.

(a) Effective Date

This airworthiness directive (AD) is effective October 11, 2022.

(b) Affected ADs

None.

(c) Applicability

This AD applies to MHI RJ Aviation ULC (type certificate previously held by Bombardier, Inc.) Model CL–600–2D24 (Regional Jet Series 900) airplanes, certificated in any category, having serial number 15462 through 15475 inclusive.

(d) Subject

Air Transport Association (ATA) of America Code 57, Wings.

(e) Unsafe Condition

This AD was prompted by a report of a manufacturing error that can create dents on the lower wing plank, close to the flap arm locations at certain wing stations; as a result, cracks could develop and weaken the structural integrity of the wings before being detected by any existing required inspections. The FAA is issuing this AD to address dents, cracks, and other damage, that, if not detected and corrected, could lead to reduced structural integrity of the wings.

(f) Compliance

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

(g) Inspection and Corrective Action

Prior to the accumulation of 8,800 total flight hours or within 30 days after the effective date of this AD, whichever occurs later, perform a detailed visual inspection for damage (including dents, cracks, discoloration, gouges, scratches, or other surface damage) of the outer aft lower skin at wing stations (WS) 54.55, WS 128.00, WS 179.00, WS 220.00, and WS 264.00 in accordance with paragraph B., “Procedure,” of the Accomplishment Instructions of MHI RJ Aviation Service Bulletin 670BA–57–029,

dated February 2, 2021. Do all applicable corrective actions before further flight. If any damage is found during the inspection, before further flight, repair using a method approved by the Manager, New York ACO Branch, FAA; or Transport Canada Civil Aviation (TCCA); or MHI RJ Aviation ULC’s TCCA Design Approval Organization (DAO). If approved by the DAO, the approval must include the DAO-authorized signature.

(h) No Reporting Requirement

Although MHI RJ Aviation Service Bulletin 670BA–57–029, dated February 2, 2021, specifies to submit certain information to the manufacturer, this AD does not include that requirement.

(i) Special Flight Permit

Special flight permits may be issued in accordance with 14 CFR 21.197 and 21.199 to operate the airplane to a location where the inspection can be done, provided the flight is a non-revenue flight.

(j) Other FAA 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 responsible Flight Standards 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; telephone 516–228–7300. Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the responsible Flight Standards Office.

(2) *Contacting the Manufacturer:* For any requirement in this AD to obtain instructions from a manufacturer, the instructions must be accomplished using a method approved by the Manager, New York ACO Branch, FAA; or TCCA; or MHI RJ Aviation ULC’s TCCA DAO. If approved by the DAO, the approval must include the DAO-authorized signature.

(k) Additional Information

(1) Refer to TCCA AD CF–2021–31, dated September 14, 2021, for related information. This TCCA AD may be found in the AD docket at *regulations.gov* under Docket No. FAA–2022–0592.

(2) For more information about this AD, contact Deep Gaurav, Aerospace Engineer, Airframe and Propulsion Section, FAA, New York ACO Branch, 1600 Stewart Avenue, Suite 410, Westbury, NY 11590; telephone

516-228-7300; email 9-avs-nyaco-cos@faa.gov.

(I) Material Incorporated by Reference

(1) The Director of the Federal Register approved the incorporation by reference 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) MHI RJ Aviation Service Bulletin 670BA-57-029, dated February 2, 2021.

(ii) [Reserved]

(3) For service information identified in this AD, contact MHI RJ Aviation Group, Customer Response Center, 3655 Ave. des Grandes-Tourelles, Suite 110, Boisbriand, Québec J7H 0E2 Canada; North America toll-free telephone 833-990-7272 or direct-dial telephone 450-990-7272; fax 514-855-8501; email thd.crj@mhirj.com; website mhirj.com.

(4) You may view this service information at the FAA, Airworthiness Products Section, Operational Safety 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 fr.inspection@nara.gov, or go to: www.archives.gov/federal-register/cfr/ibr-locations.html.

Issued on August 29, 2022.

Christina Underwood,

Acting Director, Compliance & Airworthiness Division, Aircraft Certification Service.

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DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. FAA-2022-0601; Project Identifier MCAI-2021-01286-T; Amendment 39-22152; AD 2022-18-01]

RIN 2120-AA64

Airworthiness Directives; Airbus SAS Airplanes

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

ACTION: Final rule.

SUMMARY: The FAA is superseding Airworthiness Directive (AD) 2017-10-24, which applied to certain Airbus SAS Model A330-200 series airplanes, Model A330-200 Freighter series airplanes, and Model A330-300 series airplanes; AD 2018-23-14, which applied to certain Airbus SAS Model A330-200 series airplanes, Model

A330-200 Freighter series airplanes, and Model A330-300 series airplanes; and AD 2021-05-12, which applied to certain Airbus SAS Model A330-200 Freighter series airplanes. AD 2017-10-24, AD 2018-23-14, and AD 2021-05-12 require revising the existing maintenance or inspection program, as applicable, to incorporate new or more restrictive airworthiness limitations. This AD was prompted by a determination that new or more restrictive airworthiness limitations are necessary. This AD revises the applicability by adding airplanes. This AD continues to require the actions in AD 2018-23-14 and AD 2021-05-12, and requires revising the existing maintenance or inspection program, as applicable, to incorporate new or more restrictive airworthiness limitations, as specified in a European Union Aviation Safety Agency (EASA) AD, which is incorporated by reference. The FAA is issuing this AD to address the unsafe condition on these products.

DATES: This AD is effective October 11, 2022.

The Director of the Federal Register approved the incorporation by reference of a certain publication listed in this AD as of October 11, 2022.

The Director of the Federal Register approved the incorporation by reference of certain other publications listed in this AD as of January 2, 2019 (83 FR 60754, November 27, 2018).

The Director of the Federal Register also approved the incorporation by reference of a certain other publication listed in this AD as of April 26, 2021 (86 FR 15092, March 22, 2021).

ADDRESSES: For EASA material incorporated by reference (IBR) in this AD, contact EASA, Konrad-Adenauer-Ufer 3, 50668 Cologne, Germany; telephone +49 221 8999 000; email ADs@easa.europa.eu; internet www.easa.europa.eu. You may find this IBR material on the EASA website at <https://ad.easa.europa.eu>. For Airbus service information identified in this final rule, contact Airbus SAS, Airworthiness Office—EAL, Rond-Point Emile Dewoitine No: 2, 31700 Blagnac Cedex, France, France; telephone +33 5 61 93 36 96; fax +33 5 61 93 45 80; email airworthiness.A330-A340@airbus.com; internet <https://www.airbus.com>. You may view this material at the FAA, Airworthiness Products Section, Operational Safety 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 in the AD docket at regulations.gov by searching for and locating Docket No. FAA-2022-0601.

Examining the AD Docket

You may examine the AD docket at regulations.gov by searching for and locating Docket No. FAA-2022-0601; 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 mandatory continuing airworthiness information (MCAI), 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:

Vladimir Ulyanov, Aerospace Engineer, Large Aircraft Section, FAA, International Validation Branch, 2200 South 216th St., Des Moines, WA 98198; telephone and fax: 206-231-3229; email vladimir.ulyanov@faa.gov.

SUPPLEMENTARY INFORMATION:

Background

EASA, which is the Technical Agent for the Member States of the European Union, has issued EASA AD 2021-0246, dated November 17, 2021 (EASA AD 2021-0246) (also referred to as the MCAI), to correct an unsafe condition for all Airbus SAS Model A330-201, -202, -203, -223, and -243 airplanes; Model A330-223F and -243F airplanes; Model A330-301, -302, -303, -321, -322, -323, -341, -342, and -343 airplanes; Model A330-841 airplanes; and Model A330-941 airplanes.

The FAA issued a notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 to supersede AD 2017-10-24, Amendment 39-18898 (82 FR 24035, May 25, 2017) (AD 2017-10-24); AD 2018-23-14, Amendment 39-19501 (83 FR 60754, November 27, 2018) (AD 2018-23-14); and AD 2021-05-12, Amendment 39-21455 (86 FR 15092, March 22, 2021) (AD 2021-05-12). AD 2017-10-24 applied to certain Airbus SAS Model A330-200 series airplanes, Model A330-200 Freighter series airplanes, and Model A330-300 series airplanes; AD 2018-23-14 applied to certain Airbus SAS Model A330-200 series airplanes, Model A330-200 Freighter series airplanes, and Model A330-300 series airplanes; and AD 2021-05-12 applied to certain Airbus SAS Model A330-200 Freighter series airplanes. The NPRM published in the **Federal Register** on June 9, 2022 (87 FR 35118). The NPRM was prompted by a determination that new or more restrictive airworthiness limitations are necessary. The NPRM proposed to revise the applicability by adding