

Repeat the inspections thereafter at intervals not to exceed 4,500 flight cycles. Doing the applicable actions in paragraph (h) or (j) of this AD terminates the repetitive inspections.

(g) Where the service bulletin specified in paragraph (f) of this AD provides a threshold relative to the release date of the service bulletin, this AD requires compliance within the applicable threshold following the effective date of this AD, if the "total airplane flight cycles" or "total replaced door flight cycles" threshold has been exceeded.

Corrective Actions

(h) For airplanes on which cracking is found during any inspection required by paragraph (f) of this AD: Before further flight, do all of the applicable corrective actions specified in the Accomplishment Instructions of Boeing Special Attention Service Bulletin 727-52-0149, dated October 16, 2003. Repairing any affected area terminates the repetitive inspections required by paragraph (f) of this AD.

Parts Installation

(i) Any replacement No. 3 cargo door installed on any airplane after the effective date of this AD must be inspected or modified in accordance with either paragraph (i)(1) or (i)(2) of this AD, as applicable.

(1) If the number of total flight cycles on the door can be positively determined: Do the actions required by paragraphs (f) and (h) of this AD, as applicable, or paragraph (j) of this AD. Do the actions at the times specified in Table 2 of paragraph 1.E., "Compliance," of Boeing Special Attention Service Bulletin 727-52-0149, dated October 16, 2003.

(2) If the number of total flight cycles on the door cannot be positively determined: Do the actions required by paragraphs (f) and (h) of this AD, as applicable, or paragraph (j) of this AD, before installing the door.

Optional Terminating Action

(j) Concurrently with doing the inspection required by paragraph (f) of this AD, if no cracking is found, doing the preventative modification specified in paragraph 3.B.2. of the Accomplishment Instructions of Boeing Special Attention Service Bulletin 727-52-0149, dated October 16, 2003, terminates the repetitive inspections required by paragraph (f) of this AD.

Alternative Methods of Compliance (AMOCs)

(k)(1) The Manager, Seattle Aircraft Certification Office (ACO), FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19.

(2) An AMOC that provides an acceptable level of safety may be used for any repair for cracking required by this AD, if it is approved by an Authorized Representative for the Boeing Delegated Option Authorization Organization who has been authorized by the Manager, Seattle ACO, to make such findings. For a repair method to be approved, the repair must meet the certification basis of the airplane, and the approval must specifically refer to this AD.

Material Incorporated by Reference

(l) You must use Boeing Special Attention Service Bulletin 727-52-0149, dated October 16, 2003, to perform the actions that are required by this AD, unless the AD specifies otherwise. The Director of the Federal Register approves the incorporation by reference of this document in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. To get copies of the service information, contact Boeing Commercial Airplanes, P.O. Box 3707, Seattle, Washington 98124-2207. To view the AD docket, go to the Docket Management Facility, U.S. Department of Transportation, 400 Seventh Street SW., room PL-401, Nassif Building, Washington, DC. To review copies of the service information, go to the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call (202) 741-6030, or go to http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

Issued in Renton, Washington, on May 26, 2005.

Ali Bahrami,

Manager, Transport Airplane Directorate, Aircraft Certification Service.

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DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. FAA-2005-20756; Directorate Identifier 2004-NM-52-AD; Amendment 39-14112; AD 2005-11-10]

RIN 2120-AA64

Airworthiness Directives; Bombardier Model DHC-8-102, -103, -106, -201, -202, -301, -311, and -315 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 Model DHC-8-102, -103, -106, -201, -202, -301, -311 and -315 airplanes. This AD requires installation of check valves in Numbers 1 and 2 hydraulic systems, removal of the filters from the brake shuttle valves, and removal of the internal garter spring from the brake shuttle valves. This AD results from two instances of brake failure due to the loss of hydraulic fluid from both Numbers 1 and 2 hydraulic systems and one incident of brake failure due to filter blockage in the shuttle valve. We are issuing this AD to prevent the loss of hydraulic power from both hydraulic systems, which

could lead to reduced controllability of the airplane, and to prevent brake failure, which could result in the loss of directional control on the ground and consequent departure from the runway during landing.

DATES: This AD becomes effective July 12, 2005.

The incorporation by reference of certain publications listed in the AD is approved by the Director of the Federal Register as of July 12, 2005.

ADDRESSES: For service information identified in this AD, contact Bombardier, Inc., Bombardier Regional Aircraft Division, 123 Garratt Boulevard, Downsview, Ontario M3K 1Y5, Canada.

Docket: The AD docket contains the proposed AD, comments, and any final disposition. You can examine the AD docket on the Internet at <http://dms.dot.gov>, or in person at the Docket Management Facility office between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The Docket Management Facility office (telephone (800) 647-5227) is located on the plaza level of the Nassif Building at the U.S. Department of Transportation, 400 Seventh Street SW., room PL-401, Washington, DC. This docket number is FAA-2005-20756; the directorate identifier for this docket is 2004-NM-52-AD.

FOR FURTHER INFORMATION CONTACT: Ezra Sasson, Aerospace Engineer, Airframe and Propulsion Branch, ANE-171, FAA, New York Aircraft Certification Office, 1600 Stewart Avenue, suite 410, Westbury, New York 11590; telephone (516) 228-7320; fax (516) 794-5531.

SUPPLEMENTARY INFORMATION: The FAA proposed to amend 14 CFR part 39 with an AD for certain Bombardier Model DHC-8-102, -103, -106, -201, -202, -301, -311, and -315 airplanes. That action, published in the **Federal Register** on March 30, 2005 (70 FR 16182), proposed to require installation of check valves in Numbers 1 and 2 hydraulic systems, removal of the filters from the brake shuttle valves, and removal of the internal garter spring from the brake shuttle valves.

Comments

We provided the public the opportunity to participate in the development of this AD. No comments have been submitted on the proposed AD or on the determination of the cost to the public.

Explanation of Editorial Change

We have revised the Costs of Compliance section of this AD to correct a mathematical error.

Conclusion

We have carefully reviewed the available data and determined that air

safety and the public interest require adopting the AD as proposed.

Costs of Compliance

The following table provides the estimated costs for U.S. operators to comply with this AD:

ESTIMATED COSTS

Action	Work hours	Average labor rate per hour	Parts	Cost per airplane	Number of U.S.-registered airplanes	Average fleet cost
Installation of check valves in Numbers 1 and 2 hydraulic systems	3	\$65	\$279–\$405	\$474–\$600	179	\$84,846–\$107,400
Removal of filters and internal garter springs from brake shuttle valves	3	65	252–1,360	447–1,555	179	80,013–278,345

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 have 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 DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979); 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.

We prepared a regulatory evaluation of the estimated costs to comply with this AD. See the **ADDRESSES** section for

a location to examine the regulatory evaluation.

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):

2005–11–10 Bombardier, Inc. (Formerly de Havilland, Inc.): Amendment 39–14112. Docket No. FAA–2005–20756; Directorate Identifier 2004–NM–52–AD.

Effective Date

- (a) This AD becomes effective July 12, 2005.

Affected ADs

- (b) None.

Applicability

- (c) This AD applies to Bombardier Model DHC–8–102, –103, –106, –201, –202, –301, –311, and –315 airplanes, certificated in any category; serial numbers 003 through 593 inclusive.

Unsafe Condition

- (d) This AD was prompted by two instances of brake failure due to the loss of hydraulic fluid from both Numbers 1 and 2 hydraulic systems and one incident of brake failure due to filter blockage in the shuttle valve. We are issuing this AD to prevent the loss of hydraulic power from both hydraulic systems, which could lead to reduced controllability of the airplane, and to prevent

brake failure, which could result in the loss of directional control on the ground and consequent departure from the runway during landing.

Compliance

- (e) You are responsible for having the actions required by this AD performed within the compliance times specified, unless the actions have already been done.

Installation of Check Valves in Numbers 1 and 2 Hydraulic Systems

- (f) Within 12 months after the effective date of this AD, install check valves in the Numbers 1 and 2 hydraulic return systems by incorporating Modsum 8Q101320 in accordance with the Accomplishment Instructions of Bombardier Service Bulletin 8–29–36, Revision "B," dated January 6, 2003.

Removal of Filters and Internal Garter Spring From the Brake Shuttle Valves

- (g) Within 12 months after the effective date of this AD, modify the brake shuttle valves, part number (P/N) 5084–1, by doing the actions in either paragraph (g)(1) or (g)(2) of this AD. The installation specified in paragraph (f) of this AD must be done prior to doing any actions in accordance with Bombardier Service Bulletin 8–29–37, Revision "A," dated September 19, 2003 (Modsum 8Q101316), that are specified in paragraphs (g)(1) and (g)(2) of this AD.

(1) Remove the filter assemblies by incorporating Modsum 8Q101422 in accordance with the Accomplishment Instructions of Bombardier Service Bulletin 8–29–39, dated July 14, 2003; and within 40,000 flight hours after removing the filter assemblies, remove the internal garter spring by incorporating Modsum 8Q101316 in accordance with the Accomplishment Instructions of Bombardier Service Bulletin 8–29–37, Revision "A," dated September 19, 2003.

(2) Remove the filter assemblies and internal garter spring by incorporating Modsum 8Q101316 in accordance with the Accomplishment Instructions of Bombardier Service Bulletin 8–29–37, Revision "A," dated September 19, 2003.

Note 1: You can mix shuttle valves that have incorporated either Modsum 8Q101316 or 8Q101422 on the same airplane.

Actions Accomplished According to Previous Issues of Service Bulletins

(h) Installations accomplished before the effective date of this AD according to Bombardier Service Bulletin 8–29–36, dated December 6, 2002; and Revision “A,” dated December 12, 2002, are considered acceptable for compliance with the corresponding installation specified in paragraph (f) of this AD.

(i) Removals of the filters and internal garter springs accomplished before the effective date of this AD according to Bombardier Service Bulletin 8–29–37, dated July 15, 2003, are considered acceptable for compliance with the corresponding removals specified in paragraph (g) of this AD.

Alternative Methods of Compliance (AMOCs)

(j) The Manager, New York Aircraft Certification Office, FAA, has the authority to approve AMOCs for this AD, if requested in accordance with the procedures found in 14 CFR 39.19.

Related Information

(k) Canadian airworthiness directive CF–2004–02, dated February 9, 2004, also addresses the subject of this AD.

Material Incorporated by Reference

(l) You must use the documents listed in Table 1 of this AD to perform the actions that are required by this AD, unless the AD specifies otherwise. The Director of the Federal Register approves the incorporation by reference of these documents in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. To get copies of the service information, contact Bombardier, Inc., Bombardier Regional Aircraft Division, 123 Garratt Boulevard, Downsview, Ontario M3K 1Y5, Canada. To view the AD docket, go to the Docket Management Facility, U.S. Department of Transportation, 400 Seventh Street SW., room PL–401, Nassif Building, Washington, DC. To review copies of the service information, go to the National Archives and Records Administration (NARA). For information on the availability of this material at the NARA, call (202) 741–6030, or go to http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

TABLE 1.—MATERIAL INCORPORATED BY REFERENCE

Bombardier service bulletin	Revision level	Date
8–29–36	B	January 6, 2003.
8–29–37	A	September 19, 2003.
8–29–39	Original	July 14, 2003.

Issued in Renton, Washington, on May 26, 2005.

Ali Bahrami,

Manager, Transport Airplane Directorate, Aircraft Certification Service.

[FR Doc. 05–11054 Filed 6–6–05; 8:45 am]

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DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. FAA–2005–20590; Directorate Identifier 2005–CE–13–AD; Amendment 39–14110; AD 2005–11–08]

RIN 2120–AA64

Airworthiness Directives; GROB–WERKE Model G120A Airplanes

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final rule.

SUMMARY: The FAA adopts a new airworthiness directive (AD) for all GROB–WERKE (GROB) Model G120A airplanes. This AD requires you to replace the main landing gear front and rear spherical bearings with improved spherical bearings. This AD results from mandatory continuing airworthiness information (MCAI) issued by the airworthiness authority for Germany. We are issuing this AD to replace front and rear main landing gear bearings that are susceptible to damage when exposed to high axial loads, which could result in failure of the landing gear bearing. This failure could lead to loss of control on landing.

DATES: This AD becomes effective on July 18, 2005.

As of July 18, 2005, the Director of the Federal Register approved the incorporation by reference of certain publications listed in the regulation.

ADDRESSES: To get the service information identified in this AD, contact GROB–WERKE, Burkart Grob e.K., Unternehmenbereich Luft-und Raumfahrt, Lettenbachstrasse 9, 86874 Tussenhausen-Mattsies, Germany; telephone: 011 49 8268 998 105; facsimile: 011 49 8268 998 200.

To view the AD docket, go to the Docket Management Facility; U.S. Department of Transportation, 400 Seventh Street, SW., Nassif Building, Room PL–401, Washington, DC 20590–001 or on the Internet at <http://dms.dot.gov>. The docket number is FAA–2005–20590; Directorate Identifier 2005–CE–13–AD.

FOR FURTHER INFORMATION CONTACT: Karl Schletzbaum, Aerospace Engineer,

ACE–112, Small Airplane Directorate, 901 Locust, Room 301, Kansas City, Missouri 64106; telephone: 816–329–4146; facsimile: 816–329–4090.

SUPPLEMENTARY INFORMATION:

Discussion

What events have caused this AD?

The Luftfahrt-Bundesamt (LBA), which is the airworthiness authority for Germany, recently notified FAA that an unsafe condition may exist on all GROB–WERKE (GROB) Model G120A airplanes. The LBA reports an incident of a damaged spherical bearing (part number (P/N) S20) installed in the main landing gear on one of the affected airplanes. Evidence showed that the bearing inner ring was shifted against the outer ring. This indicated that the bearing was exposed to high axial loads. Grob has an improved spherical bearing (P/N SSRC 20 C2) that can tolerate higher axial loads.

What is the potential impact if FAA took no action? Main landing gear front and rear bearings that are susceptible to damage when exposed to high axial loads could result in failure of the landing gear bearing. This failure could lead to loss of control on landing.

Has FAA taken any action to this point? We issued a proposal to amend part 39 of the Federal Aviation Regulations (14 CFR part 39) to include an AD that would apply to all GROB–WERKE (GROB) Model G120A airplanes. This proposal was published in the **Federal Register** as a notice of proposed rulemaking (NPRM) on April 1, 2005 (70 FR 16769). The NPRM proposed to require you to replace the main landing gear front and rear spherical bearings with improved spherical bearings.

Comments

Was the public invited to comment?

We provided the public the opportunity to participate in developing this AD. We received no comments on the proposal or on the determination of the cost to the public.

Conclusion

What is FAA's final determination on this issue? We have carefully reviewed the available data and determined that air safety and the public interest require adopting the AD as proposed except for minor editorial corrections. We have determined that these minor corrections:

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