

**(h) Installation and Inspection of the Cockpit Panel Circuit Breaker Bushing Assembly**

At the applicable time specified in paragraph (h)(1) or (h)(2) of this AD: Install a cockpit breaker bushing assembly, and do a detailed visual inspection of each circuit breaker for cracks or damage, in accordance with "Part B—Installation of the Cockpit Panel Circuit Breakers Bushings assembly," of the Accomplishment Instructions of Bombardier Service Bulletin 670BA–24–037, Revision A, dated July 11, 2016. Replace any cracked or damaged circuit breakers before further flight, in accordance with the Accomplishment Instructions of Bombardier Service Bulletin 670BA–24–037, Revision A, dated July 11, 2016. Installing the cockpit panel circuit breaker bushing assembly is acceptable for compliance with the requirements of paragraph (g) of this AD.

(1) For airplanes that have accumulated less than 10,000 total flight hours as of the effective date of this AD: Before the accumulation of 12,600 total flight hours.

(2) For airplanes that have accumulated 10,000 or more total flight hours as of the effective date of this AD: Within 2,000 flight hours after the effective date of this AD.

**(i) 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 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, Continuing Operational 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/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, ANE–170, 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.

**(j) Related Information**

Refer to Mandatory Continuing Airworthiness Information (MCAI) Canadian Airworthiness Directive CF–2016–30, dated September 21, 2016, for related information. You may examine the MCAI on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA–2017–0252.

**(k) 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 670BA–24–037, Revision A, dated July 11, 2016.

(ii) Reserved.

(3) For service information identified in this AD, contact Bombardier, Inc., 400 Côte-Vertu Road West, Dorval, Québec H4S 1Y9, Canada; Widebody Customer Response Center North America toll-free telephone 1–866–538–1247 or direct-dial telephone 1–514–855–2999; fax 514–855–7401; email [ac.yul@aero.bombardier.com](mailto:ac.yul@aero.bombardier.com); Internet <http://www.bombardier.com>.

(4) You may view this service information at the FAA, Transport Airplane Directorate, 1601 Lind Avenue SW., Renton, WA. For information on the availability of this material at the FAA, call 425–227–1221.

(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, call 202–741–6030, or go to: <http://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued in Renton, Washington, on April 14, 2017.

**John P. Piccola, Jr.,**

*Acting Manager, Transport Airplane Directorate, Aircraft Certification Service.*

[FR Doc. 2017–08184 Filed 4–25–17; 8:45 am]

**BILLING CODE 4910–13–P**

**DEPARTMENT OF TRANSPORTATION****Federal Aviation Administration****14 CFR Part 39**

**[Docket No. FAA–2016–9380; Directorate Identifier 2016–NE–21–AD; Amendment 39–18857; AD 2017–08–08]**

**RIN 2120–AA64**

**Airworthiness Directives; CFE Company Turbofan Engines**

**AGENCY:** Federal Aviation Administration (FAA), DOT.

**ACTION:** Final rule.

**SUMMARY:** We are adopting a new airworthiness directive (AD) for certain CFE Company (CFE) turbofan engines. This AD was prompted by a quality escape for high-pressure compressor (HPC) impellers made from forgings with nonconforming material grain size. This AD requires removal of the HPC impeller. We are issuing this AD to correct the unsafe condition on these products.

**DATES:** This AD is effective May 31, 2017.

The Director of the Federal Register approved the incorporation by reference of a certain publication listed in this AD as of May 31, 2017.

**ADDRESSES:** For service information identified in this final rule, contact CFE Company, 111 S. 34th Street, Phoenix, Arizona 85034–2802; phone: 800–601–3099; Internet: <https://www.myaerospace.com>. You may view this service information at the FAA, Engine & Propeller Directorate, 1200 District Avenue, Burlington, MA. For information on the availability of this material at the FAA, call 781–238–7125.

**Examining the AD Docket**

You may examine the AD docket on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA–2016–9380; 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 address for the Docket Office (phone: 800–647–5527) is Document 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 20590.

**FOR FURTHER INFORMATION CONTACT:** Martin Adler, Aerospace Engineer, Engine Certification Office, FAA, 1200 District Avenue, Burlington, MA 01803; phone: 781–238–7157; fax: 781–238–7199; email: [martin.adler@faa.gov](mailto:martin.adler@faa.gov).

**SUPPLEMENTARY INFORMATION:****Discussion**

We issued a notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 by adding an AD that would apply to certain CFE 738–1–1B model turbofan engines with HPC impeller, part number (P/N) 6079T77P07 or P/N 6079T77P09, installed. The NPRM published in the **Federal Register** on January 3, 2017 (82 FR 52). The NPRM was prompted by a quality escape for HPC impellers made from forgings with nonconforming material grain size. The NPRM proposed to require removal of the HPC impeller. We are issuing this AD to correct the unsafe condition on these products.

**Comments**

We gave the public the opportunity to participate in developing this AD. We received no comments on the NPRM (82 FR 52, January 3, 2017) or on the determination of the cost to the public.

**Conclusion**

We reviewed the relevant data and determined that air safety and the public interest require adopting this AD as proposed.

**Related Service Information Under 1 CFR Part 51**

We reviewed CFE Service Bulletin (SB) CFE738–72–8080, Revision 0, dated August 18, 2016. The SB describes procedures for replacing

specific serial numbered HPC impellers, P/N 6079T77P07 or P/N 6079T77P09. 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**

We estimate that this AD affects 176 engines installed on airplanes of U.S. registry.

We estimate the following costs to comply with this AD:

**ESTIMATED COSTS**

| Action                       | Labor cost | Parts cost | Cost per product | Cost on U.S. operators |
|------------------------------|------------|------------|------------------|------------------------|
| Pro-rated HPC impeller ..... | \$0.00     | \$42,240   | \$42,240         | \$7,434,240            |

**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**

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),
- (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.

**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):

**2017–08–08 CFE Company:** Amendment 39–18857; Docket No. FAA–2016–9380; Directorate Identifier 2016–NE–21–AD.

**(a) Effective Date**

This AD is effective May 31, 2017.

**(b) Affected ADs**

None.

**(c) Applicability**

This AD applies to CFE Company (CFE) CFE738–1–1B model turbofan engines with a high-pressure compressor (HPC) impeller, part number (P/N) 6079T77P07 or P/N 6079T77P09, with a serial number listed in CFE Service Bulletin (SB) CFE738–72–8080, Revision 0, dated August 18, 2016, installed.

**(d) Subject**

Joint Aircraft System Component (JASC) 7230, Turbine Engine Compressor Section.

**(e) Unsafe Condition**

This AD was prompted by a quality escape for HPC impellers made from forgings with nonconforming material grain size. We are issuing this AD to prevent uncontained failure of the HPC impeller, damage to the engine, and damage to the airplane.

**(f) Compliance**

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

**(g) Required Action**

Remove all affected HPC impellers from service at the next piece-part exposure and replace with a part eligible for installation.

**(h) Definition**

For the purposes of this AD, “piece-part exposure” is defined as separation of the impeller from the compressor rotor assembly.

**(i) Alternative Methods of Compliance (AMOCs)**

The Manager, Engine Certification Office, FAA, may approve AMOCs for this AD. Use the procedures found in 14 CFR 39.19 to make your request. You may email your request to: [ANE-AD-AMOC@faa.gov](mailto:ANE-AD-AMOC@faa.gov).

**(j) Related Information**

For more information about this AD, contact Martin Adler, Aerospace Engineer, Engine Certification Office, FAA, 1200 District Avenue, Burlington, MA 01803; phone: 781–238–7157; fax: 781–238–7199; email: [martin.adler@faa.gov](mailto:martin.adler@faa.gov).

**(k) 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 the AD specifies otherwise.

(i) CFE Service Bulletin CFE738–72–8080, Revision 0, dated August 18, 2016.

(ii) Reserved.

(3) For CFE service information identified in this AD, contact CFE Company, 111 S. 34th Street, Phoenix, Arizona 85034–2802; phone: 800–601–3099; Internet: <https://www.myaerospace.com>.

(4) You may view this service information at FAA, Engine & Propeller Directorate, 1200 District Avenue, Burlington, MA. For information on the availability of this material at the FAA, call 781–238–7125.

(5) You may view this service information at 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/cfr/ibr-locations.html>.

Issued in Burlington, Massachusetts, on April 11, 2017.

**Robert J. Ganley,**

*Acting Manager, Engine & Propeller Directorate, Aircraft Certification Service.*

[FR Doc. 2017-08409 Filed 4-25-17; 8:45 am]

**BILLING CODE 4910-13-P**

## DEPARTMENT OF TRANSPORTATION

### Federal Aviation Administration

#### 14 CFR Part 39

[Docket No. FAA-2016-6928; Directorate Identifier 2016-SW-018-AD; Amendment 39-18864; AD 2017-09-02]

RIN 2120-AA64

#### Airworthiness Directives; Airbus Helicopters Deutschland GmbH Helicopters

**AGENCY:** Federal Aviation Administration (FAA), DOT.

**ACTION:** Final rule.

**SUMMARY:** We are adopting a new airworthiness directive (AD) for Airbus Helicopters Deutschland GmbH Helicopters (Airbus Helicopters) Model MBB-BK 117 C-2 and MBB-BK 117 D-2 helicopters. This AD requires installing rivets to the air inlet cover rings (rings). This AD was prompted by reports of rings detaching. The actions of this AD are intended to prevent the unsafe condition on these products.

**DATES:** This AD is effective May 31, 2017.

The Director of the Federal Register approved the incorporation by reference of certain documents listed in this AD as of May 31, 2017.

**ADDRESSES:** For service information identified in this final rule, contact Airbus Helicopters, 2701 N. Forum Drive, Grand Prairie, TX 75052; telephone (972) 641-0000 or (800) 232-0323; fax (972) 641-3775; or at [https://www.airbushelicopters.com/techpub/FO/scripts/myFO\\_login.php](https://www.airbushelicopters.com/techpub/FO/scripts/myFO_login.php). You may review the referenced service information at the FAA, Office of the Regional Counsel, Southwest Region, 10101 Hillwood Pkwy., Room 6N-321, Fort Worth, TX 76177. It is also available on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2016-6928.

#### Examining the AD Docket

You may examine the AD docket on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2016-6928; or in person at the Docket

Operations Office between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this AD, the European Aviation Safety Agency (EASA) AD, any incorporated-by-reference service information, the economic evaluation, any comments received, and other information. The street address for the Docket Operations Office (phone: 800-647-5527) is U.S. Department of Transportation, Docket Operations Office, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE., Washington, DC 20590.

**FOR FURTHER INFORMATION CONTACT:** Matt Fuller, Senior Aviation Safety Engineer, Safety Management Group, Rotorcraft Directorate, FAA, 10101 Hillwood Pkwy., Fort Worth, TX 76177; telephone (817) 222-5110; email [matthew.fuller@faa.gov](mailto:matthew.fuller@faa.gov).

#### SUPPLEMENTARY INFORMATION:

##### Discussion

On January 5, 2017, at 82 FR 1252, the **Federal Register** published our notice of proposed rulemaking (NPRM), which proposed to amend 14 CFR part 39 by adding an AD that would apply to Airbus Helicopters Model MBB-BK 117 C-2 (including configuration C-2e) helicopters, serial number 9004 through 9725, and Model MBB-BK 117 D-2 helicopters, serial number 20003 through 20045, with an air inlet part number (P/N) B212M20C1005 installed. The NPRM proposed inspecting each ring and determining if it is loose, and gluing and installing rivets to the rings. The proposed requirements were intended to prevent a ring from detaching, which could then become stuck between the air inlet and the cyclic stick, restricting movement of the cyclic stick. This condition could result in loss of helicopter control.

The NPRM was prompted by AD No. 2016-0001, dated January 4, 2016, issued by EASA, which is the Technical Agent for the Member States of the European Union, to correct an unsafe condition for Airbus Helicopters Model MBB-BK 117 C-2, Model MBB-BK117 C-2e, Model MBB-BK117 D-2, and MBB-BK117 D-2m helicopters. EASA advises that a ring detached and got stuck between the air inlet and the cyclic stick on a Model MBB-BK117 C-2 helicopter and an inspection on another helicopter found a second loose cover ring. EASA states that this condition, if not corrected, could affect the cyclic stick's range of movement, possibly resulting in degraded control of the helicopter. The EASA AD consequently requires inspections and reinforcement of the rings' installation.

#### Comments

We gave the public the opportunity to participate in developing this AD, but we received no comments on the NPRM.

#### FAA's Determination

These helicopters have been approved by the aviation authority of Germany and are approved for operation in the United States. Pursuant to our bilateral agreement with Germany, EASA, its technical representative, has notified us of the unsafe condition described in the EASA AD. We are issuing this AD because we evaluated all information provided by EASA and determined the unsafe condition exists and is likely to exist or develop on other helicopters of these same type designs and that air safety and the public interest require adopting the AD requirements as proposed.

#### Differences Between This AD and the EASA AD

The EASA AD applies to Model MBB-BK117 D-2m helicopters. This AD does not because this model does not have an FAA type certificate. The EASA AD requires compliance for Model MBB-BK117 D-2 helicopters within 400 hours time-in-service (TIS), while this AD requires compliance within 100 hours TIS. The EASA AD requires marking the air inlet with the applicable alert service bulletin once it is glued and riveted, while this AD does not.

#### Related Service Information Under 14 CFR Part 51

We reviewed Airbus Helicopters Alert Service Bulletin (ASB) MBB-BK117 C-2-21A-011 for Model MBB-BK 117 C-2 and Model MBB-BK117 C-2e helicopters and ASB MBB-BK117 D-2-21A-004 for Model MBB-BK 117 D-2 and Model MBB-BK 117 D-2m helicopters. Both ASBs are Revision 0 and dated November 16, 2015. This service information introduces an improved attachment method for the ring using rivets. The ASBs specify inspecting the air inlet to determine whether the ring is loose, and then gluing and riveting the ring to the air inlet at different timeframes, depending on whether it is loose.

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

We estimate that this AD affects 141 helicopters of U.S. Registry and that labor costs average \$85 per work-hour. Based on these estimates, we expect the following costs: